Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM12559

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.:

8. Lease Name and Well No.: TATER SALAD FEDERAL COM 903H

2. Name of Operator: COG OPERATING LLC

9. API Well No.: 30-015-57154

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

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

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

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NENE / 185 FNL / 1150 FEL / LAT 32.034858 / LONG -104.035911

At proposed prod. zone: NENE / 200 FNL / 1310 FEL / LAT 32.063819 / LONG -104.036375

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 24/T26S/R28E/NMP

14. Distance in miles and direction from nearest town or post office*: 15 miles

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 50 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 640.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 30 feet

19. Proposed Depth: 10570 feet / 20797 feet

20. BLM/BIA Bond No. in file: FED: NMB000215

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 2913 feet

22. Approximate date work will start*: 12/01/2025

23. Estimated duration: 30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	MAYTE REYES / Ph: (432) 683-7443	04/16/2025

Title: Regulatory Analyst

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	CHRISTOPHER WALLS / Ph: (575) 234-2234	07/10/2025

Title	Office
Petroleum Engineer	Carlsbad Field Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/10/2025

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: 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 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Approval Date: 07/10/2025

Additional Operator Remarks

Location of Well

0. SHL: NENE / 185 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034858 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

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

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

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

BLM Point of Contact

Name: JANET D ESTES
Title: ADJUDICATOR
Phone: (575) 234-6233
Email: JESTES@BLM.GOV

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

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

Application Data
07/21/2025

APD ID: 10400104499
Submission Date: 04/16/2025
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Number: 903H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400104499
Tie to previous NOS? N
Submission Date: 04/16/2025
BLM Office: Carlsbad
User: MAYTE REYES
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM12559
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: COG OPERATING LLC
Operator letter of

Operator Info

Operator Organization Name: COG OPERATING LLC
Operator Address: ONE CONCHO CENTER 600 W ILLINOIS AVENUE
Zip: 79701-4287
Operator PO Box:
Operator City: MIDLAND
State: TX
Operator Phone: (432)685-4342
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: TATER SALAD FEDERAL COM
Well Number: 903H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: PURPLE SAGE
Pool Name: Wolfcamp, Gas

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Is the proposed well in an area containing other mineral resources? POTASH

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: TATER SALAD FEDERAL COM

Number: 903H, 904H, 905H, 902H, 901H, 701H, 702H, 703H and 704H

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 15 Miles **Distance to nearest well:** 30 FT **Distance to lease line:** 50 FT

Reservoir well spacing assigned acres Measurement: 640 Acres

Well plat: COG_Tater_Salad_903H_C102_20250527152923.pdf

Well work start Date: 12/01/2025 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	185	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034858	-104.035911	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2913			Y
KOP Leg #1	185	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034858	-104.035911	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2913	0	0	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	330	FSL	1310	FEL	26S	28E	13	Aliquot SESE	32.036272	-104.036427	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7547	10674	10460	Y
PPP Leg #1-2	2639	FSL	1310	FEL	26S	28E	13	Aliquot NESE	32.042635	-104.036415	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 117119	-7573	12699	10486	Y
EXIT Leg #1	330	FNL	1310	FEL	26S	28E	12	Aliquot NENE	32.063461	-104.036376	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7656	20564	10569	Y
BHL Leg #1	200	FNL	1310	FEL	26S	28E	12	Aliquot NENE	32.063819	-104.036375	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7657	20797	10570	Y

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

APD Print Report
07/21/2025

APD ID: 10400104499
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Type: OIL WELL

Submission Date: 04/16/2025
Federal/Indian APD: FED
Well Number: 903H
Well Work Type: Drill

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Show Final Text

Application

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User: MAYTE REYES
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM12559
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: COG OPERATING LLC
Operator letter of

Operator Info

Operator Organization Name: COG OPERATING LLC
Operator Address: ONE CONCHO CENTER 600 W ILLINOIS AVENUE
Zip: 79701-4287
Operator PO Box:
Operator City: MIDLAND
State: TX
Operator Phone: (432)685-4342
Operator Internet Address:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**

Well in Master SUPO? NO **Master SUPO name:**

Well in Master Drilling Plan? NO **Master Drilling Plan name:**

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** PURPLE SAGE **Pool Name:** Wolfcamp, Gas

Is the proposed well in an area containing other mineral resources? POTASH

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Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

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Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
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BHL Leg #1	200	FNL	1310	FEL	26S	28E	12	Aliquot NENE	32.063819	-104.036375	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7657	20797	10570	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002298	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002302	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002303	TOP SALT	2318	595	595	SALT	NONE	N
16002304	BASE OF SALT	451	2462	2462	ANHYDRITE	NONE	N
16002309	LAMAR	252	2661	2661	LIMESTONE	NONE	N
16002310	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002305	CHERRY CANYON	-606	3519	3519	SANDSTONE	NATURAL GAS, OIL	N

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002311	BRUSHY CANYON	-1933	4846	4846	SANDSTONE	NATURAL GAS, OIL	N
16002306	BONE SPRING	-3459	6372	6372	SHALE	NATURAL GAS, OIL	N
16002307	BONE SPRING 1ST	-4355	7268	7268	SANDSTONE	NATURAL GAS, OIL	N
16002313	BONE SPRING 2ND	-5063	7976	7976	SANDSTONE	NATURAL GAS, OIL	N
16002301	BONE SPRING 3RD	-6209	9122	9122	SANDSTONE	NATURAL GAS, OIL	N
16002312	WOLFCAMP	-6562	9475	9475	SHALE	NATURAL GAS, OIL	N
16002323	WOLFCAMP	-6672	9585	9585	SHALE	NATURAL GAS, OIL	N
16002317		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002324	WOLFCAMP	-7016	9929	9929	SHALE	NATURAL GAS, OIL	N
16002319		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y
16002325	WOLFCAMP	-7548	10461	10461	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 10570

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: 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. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: 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.
Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Pressure Rating (PSI): 5M **Rating Depth:** 10004

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: 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. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: 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.
Choke Diagram Attachment:

COG_Tater_Salad_5M_Choke_20250414145840.pdf

BOP Diagram Attachment:

COG_Tater_Salad_5M_BOP_20250414150628.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150629.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.75	10.75	NEW	API	N	0	450	0	450	2913	2463	450	J-55	45.5	OTHER - BTC	10.15	1.14	DRY	38.88	DRY	342
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	10004	0	10004	-6907	-7091	10004	OTHER - P110-ICY	29.7	OTHER - W513	1.41	1.74	DRY	2.16	DRY	3.
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	20797	0	10570	-6907	-7657	20797	OTHER - P110-CY	23	OTHER - W441	1.96	2.28	DRY	2.72	DRY	3

Casing Attachments

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415132800.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_903H_Casing_Program_20250415132851.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415132937.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_903H_Casing_Program_20250415133019.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415133103.pdf

Section 4 - Cement

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	450	220	1.75	12.8	385	50	Class C	4% Gel + 1% CaCl2
SURFACE	Tail		0	450	250	1.34	14.8	335	50	Class C	2% CaCl2
INTERMEDIATE	Lead		0	10004	740	3.3	10.3	2442	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10004	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10570	20797	620	1.48	12.5	917	20	Lead: 50:50:10 H Blend	No additives
PRODUCTION	Tail		10570	20797	830	1.34	13.2	1112	20	Tail: 50:50:2 Class H Blend	No additives

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
450	10004	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10004	20797	OIL-BASED MUD	9.6	13.5							OBM

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	450	OTHER : Fresh water gel	8.6	8.8							Fresh water gel

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None planned

List of open and cased hole logs run in the well:

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7425 **Anticipated Surface Pressure:** 5099

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

COG_Tater_Salad_H2S_SUP_20250414152528.pdf

COG_Tater_Salad_H2S_Schem_20250414152526.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_903H_Directional_Plan_20250415133513.pdf

COG_Tater_Salad_903H_AC_RPT_20250415133519.pdf

Other proposed operations facets description:

Drilling Program.
Cement Program.
GCP.

Other proposed operations facets attachment:

10.75_45.5_J_55_BTC_Spec_Sheet_20250414152813.pdf

COG_BOP_Break_Testing_Documentation_6_07_23_20250414152817.pdf

COG_Offline_Bradenhead_Intermediate_Documentation_3_11_23__Rev2_20250414152818.pdf

TXP_BTC_5.500_0.415_P110_CY_02202022_20250414152816.pdf

TXP_BTC_7.625_0.375_L80_ICY_02202022_20250414152816.pdf

Wedge_441_5.500_0.415_P110_CY_02202022_20250414152817.pdf

Wedge_513_7.625_0.375_P110_ICY_02202022_20250414152818.pdf

COG_Tater_Salad_903H_Casing_Program_20250415133617.pdf

COG_Tater_Salad_903H_Drilling_Program_20250415133617.pdf

COG_Tater_Salad_903H_Cement_Program_20250415133622.pdf

COG_Tater_Salad_903H_GCP_20250415133622.pdf

Other Variance request(s)?: N

Other Variance attachment:

SUPO

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

COG_Tater_Salad_Existing_Road_20250414172314.pdf

Existing Road Purpose: ACCESS **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

COG_Tater_Salad_Roads_20250414172346.pdf

New road type: RESOURCE

Length: 58.4 Feet **Width (ft.):** 30

Max slope (%): 33 **Max grade (%):** 1

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage and to be consistent with local drainage patterns.
New road access plan or profile prepared? N

New road access plan

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: OTHER

Access topsoil source: OFFSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth:

Offsite topsoil source description: Caliche

Onsite topsoil removal process:

Access other construction information:

Access miscellaneous information: 58.4 of new access road.

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Other Description: None necessary.

Drainage Control comments: None needed.

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Road Drainage Control Structures (DCS) description: None needed.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

COG_Tater_Salad_903H_1_Mile_Data_20250415124024.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Tater Salad Federal 24B CTB. This CTB will be built to accommodate the Tater Salad Fed Com #701H, #702, #703H, #704H, #901H, #902H, #903H, #904H, #905H. We plan to install (1) buried 6 FP 601HT production flowline from each wellhead to the inlet manifold of the proposed CTB (9 flowlines total); the route for these flowlines will follow the flowlines route as shown in the diagram below. We will install (1) buried 6 gas lines for gas lift supply from the CTB to each well pad (1 gas lift supply line total); the route for the gas lift lines will follow the gas lift route as shown in the attached layout. We will install (1) buried 6 liquid return line from the CTB to the well pad (1 liquid return line total); the route for the liquid return line will follow the liquid return line route as shown in the diagram below. This facility will have the following equipment: 9-separators, 1-heater treater, 3-oil tanks, 3-water tanks.

Production Facilities map:

COG_Tater_Salad_Fed_24_B_CTB_20250414203327.pdf
COG_Tater_Salad_Flowline_Gas_Line_20250414203330.pdf
COG_Tater_Salad_Layout_20250414172706.pdf
COG_Tater_Salad_Layout_20250414203330.pdf
COG_Tater_Salad_Powerline_20250414203331.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Fresh Water. See Below.

Water source use type: SURFACE CASING
STIMULATION
ICE PAD CONSTRUCTION & MAINTENANCE

Source latitude: **Source longitude:**

Source datum:

City:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: PRIVATE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 450000 **Source volume (acre-feet):** 58.001892

Source volume (gal): 18900000

Water source type: OTHER

Describe type: Brine Water. See Below.

Water source use type: INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 30000 **Source volume (acre-feet):** 3.866793

Source volume (gal): 1260000

Water source and transportation

COG_Tater_Salad_Brine_H2O_20250414172815.pdf
COG_Tater_Salad_Fresh_H2O_20250414172820.pdf

Water source comments: Maps attached.

New water well? N

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be obtained from the Potato Baby caliche pit located in Section 24. T26S. R29E. NWNW

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Drilling fluids and produced oil land water while drilling and completion operations

Amount of waste: 6000 barrels

Waste disposal frequency : One Time Only

Safe containment description: All drilling waste will be stored safely and disposed of properly

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations.

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

Safe containment description: Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: Trucked to an approved disposal facility.

Waste type: SEWAGE

Waste content description: Human waste and gray water

Amount of waste: 1000 gallons

Waste disposal frequency : One Time Only

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE
Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Roll off cutting containers on tracks

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

COG_Tater_Salad_H2S_Schem_20250414172920.pdf

COG_Tater_Salad_Layout_20250414172925.pdf

Comments:

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: TATER SALAD FEDERAL COM

Multiple Well Pad Number: 903H, 904H, 905H, 902H, 901H, 701H, 702H, 703H and 704H

Recontouring

COG_Tater_Salad_Reclamation_20250414183633.pdf

Drainage/Erosion control construction: Proper erosion control methods will be used at the well site to control erosion, runoff, and siltation of the surrounding area. Straw waddles will be used as necessary at the well site to reduce sediment impacts to fragile/sensitive soils.

Drainage/Erosion control reclamation: The wellsite drainage will be monitored periodically to ensure that vegetation has re-established in unused areas of the pad and that erosion is controlled.

Well pad proposed disturbance (acres): 8.38
Well pad interim reclamation (acres): 0.84
Well pad long term disturbance (acres): 7.54
Road proposed disturbance (acres): 0.04
Road interim reclamation (acres): 0.04
Road long term disturbance (acres): 0.04
Powerline proposed disturbance (acres): 0.29
Powerline interim reclamation (acres): 0.29
Powerline long term disturbance (acres): 0.29
Pipeline proposed disturbance (acres): 0.12
Pipeline interim reclamation (acres): 0.12
Pipeline long term disturbance (acres): 0.12
Other proposed disturbance (acres): 4.13
Other interim reclamation (acres): 4.13
Other long term disturbance (acres): 4.13
Total proposed disturbance: 12.959999999999997
Total interim reclamation: 5.42
Total long term disturbance: 12.120000000000001

Disturbance Comments:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Reconstruction method: If needed, portions of the pad not needed for production operations will be re-contoured to its original state as much as possible. The caliche that is removed will be reused. The stockpiled topsoil will be spread out over reclaimed area and reseeded with BLM approved seed mixture.
Topsoil redistribution: North

Soil treatment: None

Existing Vegetation at the well pad: Shinnery Oak/Mesquite grassland

Existing Vegetation at the well pad

Existing Vegetation Community at the road: Shinnery Oak/Mesquite grassland

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Shinnery Oak/Mesquite grassland

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: N/A

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary	
Seed Type	**Pounds/Acre**

Total pounds/Acre:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Seed reclamation

Operator Contact/Responsible Official

First Name: Chris **Last Name:** Moon

Phone: (432)288-2283 **Email:** chris.moon@cop.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: COP will maintain well pad and CTB with chemical treatment as necessary.

Weed treatment plan

Monitoring plan description: N/A

Monitoring plan

Success standards: N/A

Pit closure description: Closed Loop

Pit closure attachment:

COG_Tater_Salad_Closed_Loop_20250414184858.pdf

Section 11 - Surface

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW

SUPO Additional Information: SUP Attached

Use a previously conducted onsite? Y

Previous Onsite information: Onsite completed on November 6th, 2024 by Gerald Herrera (COG) and Zane Kirsch (BLM).

Other SUPO

COG_Tater_Salad_Brine_H2O_20250414204518.pdf
COG_Tater_Salad_Closed_Loop_20250414204517.pdf
COG_Tater_Salad_Existing_Road_20250414204517.pdf
COG_Tater_Salad_Fed_24_B_CTB_20250414204520.pdf
COG_Tater_Salad_Flowline_Gas_Line_20250414204519.pdf
COG_Tater_Salad_Fresh_H2O_20250414204517.pdf
COG_Tater_Salad_H2S_Schem_20250414204514.pdf
COG_Tater_Salad_Layout_20250414204514.pdf
COG_Tater_Salad_Powerline_20250414204516.pdf
COG_Tater_Salad_Reclamation_20250414204514.pdf
COG_Tater_Salad_Roads_20250414204511.pdf
COG_Tater_Salad_903H_1_Mile_Data_20250415124239.pdf
COG_Tater_Salad_903H_C102_20250527152957.pdf

PWD

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Lined pit Monitor description:

Lined pit Monitor

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description :

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

Bond Info

Bond

Federal/Indian APD: FED

BLM Bond number: NMB000215

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Operator Certification

Payment Info

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Payment

APD Fee Payment Method: PAY.GOV

pay.gov Tracking ID: 27NB0UCC

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-015-57154	98220	Purple Sage; Wolfcamp, Gas	
Property Code 329866	Property Name TATER SALAD FEDERAL COM		Well Number 903H
OGRID No. 229137	Operator Name COG OPERATING LLC		Ground Level Elevation 2913.3'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	26-S	28-E		185 FNL	1150 FEL	32.034858°N	104.035911°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	12	26-S	28-E		200 FNL	1310 FEL	32.063819°N	104.036375°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Defining	Pending 903H	N	
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	26-S	28-E		185 FNL	1150 FEL	32.034858°N	104.035911°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	13	26-S	28-E		330 FSL	1310 FEL	32.036272°N	104.036427°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	12	26-S	28-E		330 FNL	1310 FEL	32.063461°N	104.036376°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		2913.3'

OPERATOR CERTIFICATIONS

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

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature Mayte Reyes Date 3/27/2025

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 1/8/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

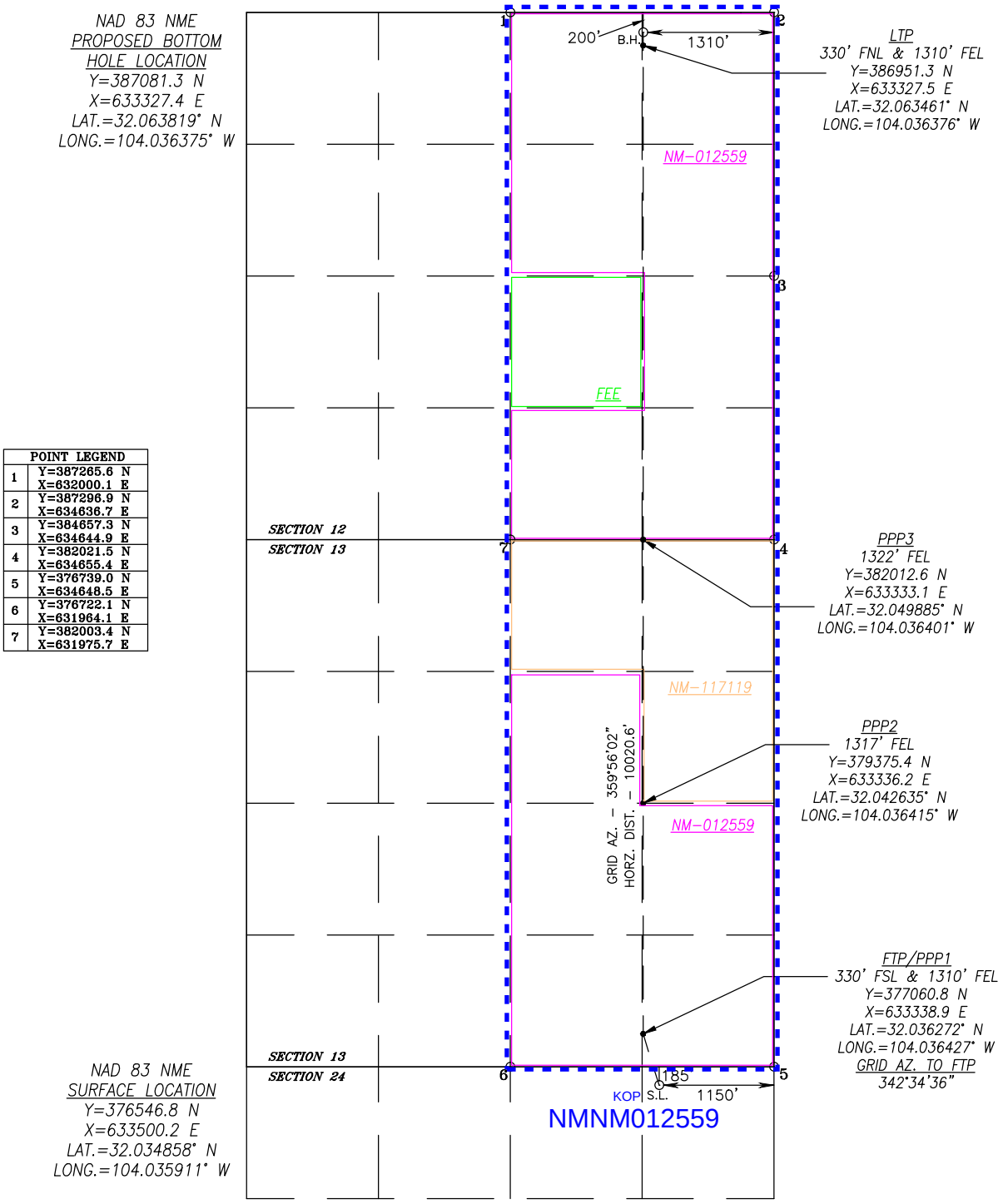
Date of Survey DECEMBER 23, 2024

W.O.#24-1295 | DRAWN BY: WN | PAGE 1 OF 2

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



POINT LEGEND	
1	Y=387265.6 N X=632000.1 E
2	Y=387296.9 N X=634636.7 E
3	Y=384657.3 N X=634644.9 E
4	Y=382021.5 N X=634655.4 E
5	Y=376739.0 N X=634648.5 E
6	Y=376722.1 N X=631964.1 E
7	Y=382003.4 N X=631975.7 E

PAGE 2 OF 2

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: COG Operating LLC **OGRID:** 229137 **Date:** 3 /27 /2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Tater Salad Federal Com 903H	30-015-	A-24-26S-28E	185 FNL & 1150 FEL	± 738	± 7370	± 4545

IV. Central Delivery Point Name: _____ [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Tater Salad Federal Com 903H	Pending	5/16/2026	± 25 days from spud	9/13/2026	9/23/26	9/28/26

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline.

D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

E. Performance standards for separation, storage tank and flare equipment

- All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.

F. Measurement of vented and flared natural gas.

- Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
- All measurement devices installed will meet accuracy ratings per AGA and API standards.
- Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

VIII. Best Management Practices

- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

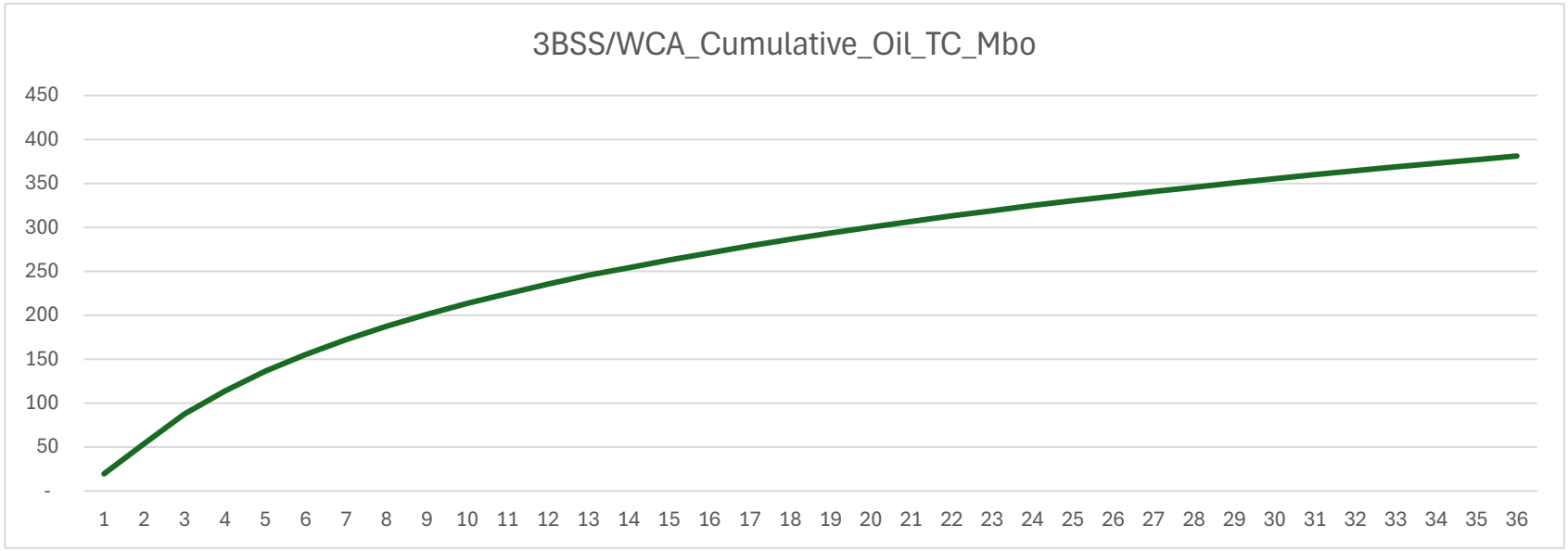
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

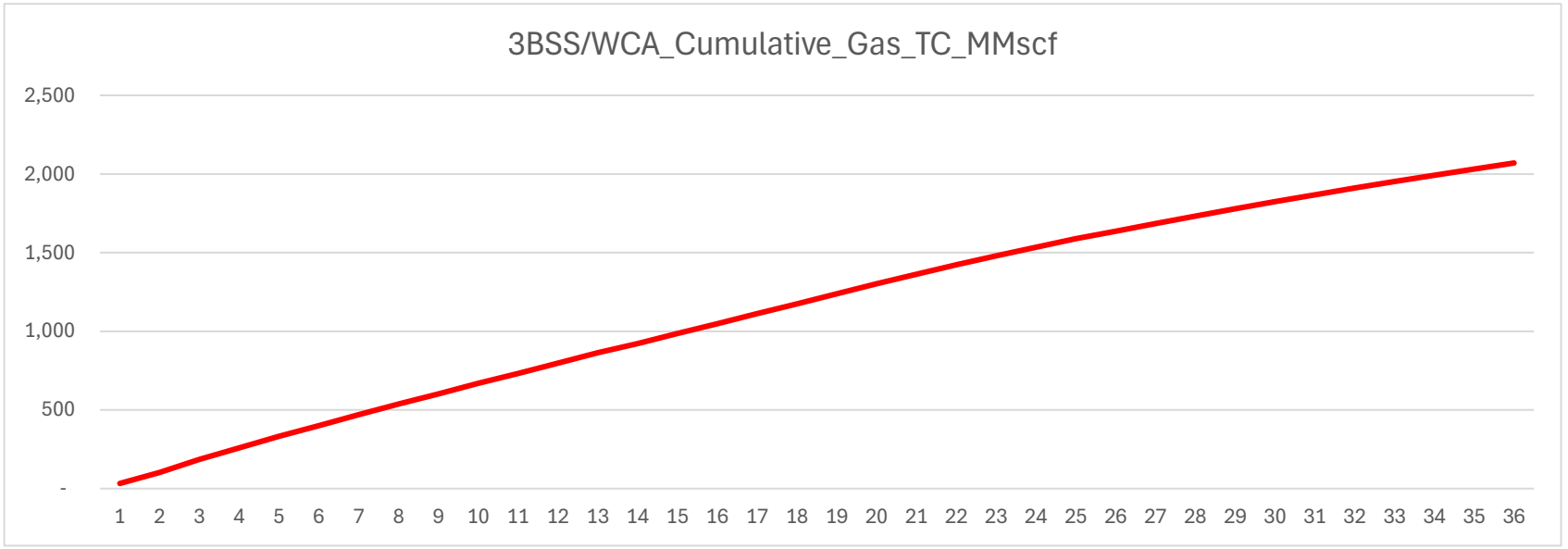
Signature:	Mayte Reyes
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coodinator
E-mail Address:	mayte.x.reyes@conocophillips.com
Date:	3/27/2025
Phone:	575-748-6945

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Anticipated Production Decline Curve





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

Drilling Plan Data Report
07/21/2025

APD ID: 10400104499
Submission Date: 04/16/2025

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM
Well Number: 903H

Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002298	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002302	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002303	TOP SALT	2318	595	595	SALT	NONE	N
16002304	BASE OF SALT	451	2462	2462	ANHYDRITE	NONE	N
16002309	LAMAR	252	2661	2661	LIMESTONE	NONE	N
16002310	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002305	CHERRY CANYON	-606	3519	3519	SANDSTONE	NATURAL GAS, OIL	N
16002311	BRUSHY CANYON	-1933	4846	4846	SANDSTONE	NATURAL GAS, OIL	N
16002306	BONE SPRING	-3459	6372	6372	SHALE	NATURAL GAS, OIL	N
16002307	BONE SPRING 1ST	-4355	7268	7268	SANDSTONE	NATURAL GAS, OIL	N
16002313	BONE SPRING 2ND	-5063	7976	7976	SANDSTONE	NATURAL GAS, OIL	N
16002301	BONE SPRING 3RD	-6209	9122	9122	SANDSTONE	NATURAL GAS, OIL	N
16002312	WOLFCAMP	-6562	9475	9475	SHALE	NATURAL GAS, OIL	N
16002323	WOLFCAMP	-6672	9585	9585	SHALE	NATURAL GAS, OIL	N
16002317		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002324	WOLFCAMP	-7016	9929	9929	SHALE	NATURAL GAS, OIL	N
16002319		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002325	WOLFCAMP	-7548	10461	10461	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 10570

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: 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. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: 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.
Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Pressure Rating (PSI): 5M **Rating Depth:** 10004

Equipment: Annular, Blind Ram, Pipe Ram, Double Ram. The BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.
Requesting Variance? YES

Variance request: 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. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: 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.
Choke Diagram Attachment:

COG_Tater_Salad_5M_Choke_20250414145840.pdf

BOP Diagram Attachment:

COG_Tater_Salad_5M_BOP_20250414150628.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150629.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	14.75	10.75	NEW	API	N	0	450	0	450	2913	2463	450	J-55	45.5	OTHER - BTC	10.15	1.14	DRY	38.88	DRY	34.92
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	10004	0	10004	-6907	-7091	10004	OTHER - P110-ICY	29.7	OTHER - W513	1.41	1.74	DRY	2.16	DRY	3.59
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	20797	0	10570	-6907	-7657	20797	OTHER - P110-CY	23	OTHER - W441	1.96	2.28	DRY	2.72	DRY	3

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415132800.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_903H_Casing_Program_20250415132851.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415132937.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_903H_Casing_Program_20250415133019.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_903H_Casing_Program_20250415133103.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	450	220	1.75	12.8	385	50	Class C	4% Gel + 1% CaCl2
SURFACE	Tail		0	450	250	1.34	14.8	335	50	Class C	2% CaCl2
INTERMEDIATE	Lead		0	10004	740	3.3	10.3	2442	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10004	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10570	20797	620	1.48	12.5	917	20	Lead: 50:50:10 H Blend	No additives

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		10570	20797	830	1.34	13.2	1112	20	Tail: 50:50:2 Class H Blend	No additives

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
450	10004	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10004	20797	OIL-BASED MUD	9.6	13.5							OBM
0	450	OTHER : Fresh water gel	8.6	8.8							Fresh water gel

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None planned

List of open and cased hole logs run in the well:

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7425 **Anticipated Surface Pressure:** 5099

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

COG_Tater_Salad_H2S_SUP_20250414152528.pdf

COG_Tater_Salad_H2S_Schem_20250414152526.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_903H_Directional_Plan_20250415133513.pdf

COG_Tater_Salad_903H_AC_RPT_20250415133519.pdf

Other proposed operations facets description:

Drilling Program.
Cement Program.
GCP.

Other proposed operations facets attachment:

10.75_45.5_J_55_BTC_Spec_Sheet_20250414152813.pdf

COG_BOP_Break_Testing_Documentation_6_07_23_20250414152817.pdf

COG_Offline_Bradenhead_Intermediate_Documentation_3_11_23__Rev2_20250414152818.pdf

TXP_BTC_5.500_0.415_P110_CY_02202022_20250414152816.pdf

TXP_BTC_7.625_0.375_L80_ICY_02202022_20250414152816.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 903H

Wedge_441_5.500_0.415_P110_CY_02202022_20250414152817.pdf
Wedge_513_7.625_0.375_P110_ICY_02202022_20250414152818.pdf
COG_Tater_Salad_903H_Casing_Program_20250415133617.pdf
COG_Tater_Salad_903H_Drilling_Program_20250415133617.pdf
COG_Tater_Salad_903H_Cement_Program_20250415133622.pdf
COG_Tater_Salad_903H_GCP_20250415133622.pdf

Other Variance request(s)?: N

Other Variance attachment:

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 903H
300154775000
OWB
PWP1

Anticollision Report

19 February, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 25.0usft	**Error Model:**	ISCWSA
Depth Range:	0.0 to 20,694.2usft	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	**Error Surface:**	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 **Sigma**	**Casing Method:**	Added to Error Values

Survey Tool Program **Date** 2/19/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Co
2,000.0	10,000.4	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,000.4	20,693.8	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
TATER SALAD & MOMBA FEDERAL						
MOMBA 24 FEDERAL COM #1H - OWB - AWP	25.0	11.2	501.2			
MOMBA 24 FEDERAL COM #1H - OWB - AWP	6,650.0	6,596.0	798.0	777.1	38.246 SF	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	3,999.8	3,983.0	857.0	842.3	58.333 CC	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	4,000.0	3,983.2	857.0	842.3	58.331 ES	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	8,275.0	8,113.5	923.7	902.6	43.632 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	3,898.5	3,887.6	353.1	339.9	26.885 CC	
MOMBA FEDERAL COM #701H - OWB - AWP	3,900.0	3,889.0	353.1	339.9	26.881 ES	
MOMBA FEDERAL COM #701H - OWB - AWP	5,325.0	5,311.1	380.2	365.5	25.912 SF	
MOMBA FEDERAL COM #702H - OWB - AWP	9,650.0	9,834.6	96.2	72.0	3.988 SF	
MOMBA FEDERAL COM #702H - OWB - AWP	9,654.7	9,836.3	96.1	72.0	3.990 CC, ES	
MOMBA FEDERAL COM #703H - OWB - AWP	3,951.8	3,925.7	460.4	444.9	29.710 CC	
MOMBA FEDERAL COM #703H - OWB - AWP	3,975.0	3,948.3	460.5	444.9	29.572 ES	
MOMBA FEDERAL COM #703H - OWB - AWP	9,575.0	9,583.2	591.1	566.5	24.080 SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,848.5	10,400.0	509.6	482.5	18.766 CC	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,850.0	10,400.0	509.6	482.5	18.762 ES	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,900.0	10,391.4	512.1	484.7	18.699 SF	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,984.4	10,469.8	77.5	51.9	3.029 CC, ES, SF	
MOMBA FEDERAL COM #903H - OWB - PWP2	5,525.0	5,499.1	635.7	616.8	33.606 CC, ES	
MOMBA FEDERAL COM #903H - OWB - PWP2	10,925.0	10,392.4	650.9	625.2	25.283 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	1,991.4	1,992.3	200.0	192.0	24.974 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,000.0	2,000.0	200.0	192.0	24.924 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,225.0	2,210.4	215.4	206.3	23.675 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,000.0	2,000.9	201.0	192.9	25.006 CC, ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	20,693.8	20,031.2	783.2	664.9	6.617 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	4,100.0	4,127.7	75.5	58.2	4.359 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	4,175.0	4,201.2	73.4	56.7	4.409 ES	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	4,190.4	4,216.3	73.3	56.8	4.429 CC	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,366.5	2,398.0	138.6	127.6	12.630 CC	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,375.0	2,406.2	138.6	127.6	12.595 ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,625.0	2,658.6	148.6	136.7	12.396 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	2,000.0	2,000.0	80.0	70.8	8.710 CC	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	2,025.0	2,025.0	80.1	70.8	8.636 ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	20,694.2	20,938.6	983.0	801.4	5.413 SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,000.0	1,999.9	60.0	50.8	6.533 CC	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,025.0	2,025.0	60.0	50.8	6.491 ES	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
TATER SALAD & MOMBA FEDERAL						
TATER SALAD FEDERAL COM 902H - OWB - PWP1	20,694.2	21,122.5	568.6	405.6	3.489 SF	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,000.0	1,999.9	20.0	10.8	2.178	Caution - Monitor Closely, CC
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,025.0	2,024.9	20.0	10.8	2.167	Caution - Monitor Closely, ES, SF
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,000.0	1,999.9	40.0	30.8	4.355 CC	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,025.0	2,024.9	40.1	30.8	4.332 ES	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,050.0	2,049.9	40.3	30.9	4.323 SF	

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP — **Offset Site Error:** 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	160.96	-473.8	163.5	501.4				
25.0	25.0	11.2	11.2	0.5	3.0	160.96	-473.8	163.5	501.2				
50.0	50.0	34.8	34.8	0.5	3.0	160.97	-473.9	163.5	501.3	496.6	4.73	106.086	
75.0	75.0	58.4	58.4	0.5	3.0	160.98	-474.0	163.4	501.4	496.7	4.73	106.113	
100.0	100.0	82.0	82.0	0.5	3.0	161.00	-474.3	163.3	501.6	496.9	4.73	106.155	
125.0	125.0	106.0	106.0	0.6	3.0	161.02	-474.6	163.2	501.9	497.2	4.76	105.459	
150.0	150.0	131.1	131.1	0.8	3.0	161.05	-475.0	163.1	502.2	497.4	4.80	104.611	
175.0	175.0	156.3	156.3	0.9	3.0	161.08	-475.3	163.0	502.5	497.6	4.85	103.623	
200.0	200.0	181.4	181.4	1.0	3.0	161.10	-475.6	162.8	502.8	497.9	4.90	102.509	
225.0	225.0	206.4	206.4	1.1	3.0	161.14	-476.0	162.6	503.0	498.1	4.95	101.712	
250.0	250.0	230.9	230.9	1.2	3.0	161.16	-476.3	162.5	503.3	498.3	4.99	100.872	
275.0	275.0	255.4	255.3	1.3	3.0	161.19	-476.7	162.4	503.6	498.6	5.04	99.994	
300.0	300.0	279.8	279.8	1.4	3.0	161.22	-477.1	162.2	504.0	498.9	5.09	99.082	
325.0	325.0	304.2	304.2	1.4	3.0	161.24	-477.5	162.2	504.3	499.2	5.13	98.316	
350.0	350.0	328.2	328.2	1.5	3.0	161.26	-477.9	162.1	504.7	499.6	5.18	97.531	
375.0	375.0	352.3	352.2	1.6	3.0	161.28	-478.4	162.1	505.2	500.0	5.22	96.735	
400.0	400.0	376.3	376.2	1.6	3.0	161.29	-478.9	162.2	505.7	500.4	5.27	95.930	
425.0	425.0	400.0	400.0	1.7	3.0	161.29	-479.4	162.4	506.3	500.9	5.32	95.224	
450.0	450.0	423.6	423.5	1.8	3.0	161.29	-479.9	162.6	506.9	501.5	5.36	94.513	
475.0	475.0	446.9	446.8	1.8	3.0	161.28	-480.5	162.8	507.6	502.2	5.41	93.810	
500.0	500.0	470.2	470.1	1.9	3.0	161.26	-481.2	163.2	508.4	502.9	5.46	93.113	
525.0	525.0	493.4	493.3	1.9	3.0	161.24	-481.9	163.6	509.2	503.7	5.51	92.496	
550.0	550.0	517.8	517.7	2.0	3.1	161.22	-482.7	164.1	510.2	504.6	5.55	91.869	
575.0	575.0	542.5	542.4	2.1	3.1	161.19	-483.5	164.7	511.1	505.5	5.60	91.237	
600.0	600.0	567.3	567.1	2.1	3.1	161.16	-484.3	165.2	512.1	506.4	5.65	90.605	
625.0	625.0	592.0	591.9	2.2	3.1	161.14	-485.1	165.7	513.0	507.3	5.70	90.024	
650.0	650.0	617.5	617.3	2.2	3.1	161.11	-486.0	166.3	514.0	508.3	5.75	89.438	
675.0	675.0	643.4	643.2	2.3	3.1	161.07	-486.8	166.9	514.9	509.1	5.80	88.842	
700.0	700.0	669.2	669.0	2.3	3.1	161.04	-487.5	167.5	515.8	510.0	5.85	88.226	
725.0	725.0	695.1	694.8	2.4	3.1	161.00	-488.3	168.1	516.7	510.8	5.90	87.626	
750.0	750.0	719.7	719.4	2.4	3.1	160.96	-488.9	168.8	517.5	511.6	5.95	87.043	
775.0	775.0	743.9	743.7	2.5	3.1	160.92	-489.6	169.3	518.4	512.4	5.99	86.470	
800.0	800.0	768.2	767.9	2.5	3.1	160.89	-490.3	169.9	519.3	513.2	6.04	85.901	
825.0	825.0	792.5	792.2	2.6	3.1	160.85	-491.1	170.5	520.2	514.1	6.09	85.367	
850.0	850.0	817.0	816.7	2.6	3.1	160.82	-491.9	171.1	521.2	515.0	6.14	84.834	
875.0	875.0	841.6	841.3	2.6	3.1	160.80	-492.7	171.6	522.1	515.9	6.19	84.304	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
900.0	900.0	866.3	865.9	2.7	3.2	160.77	-493.6	172.1	523.1	516.9	6.24	83.776	
925.0	925.0	890.9	890.5	2.7	3.2	160.75	-494.4	172.6	524.1	517.9	6.29	83.275	
950.0	950.0	916.2	915.8	2.8	3.2	160.74	-495.4	173.1	525.2	518.8	6.34	82.769	
975.0	975.0	941.9	941.5	2.8	3.2	160.72	-496.3	173.6	526.2	519.8	6.40	82.255	
1,000.0	1,000.0	967.7	967.2	2.9	3.2	160.71	-497.2	174.0	527.1	520.7	6.45	81.736	
1,025.0	1,025.0	993.5	993.0	2.9	3.2	160.69	-498.0	174.5	528.0	521.5	6.50	81.232	
1,050.0	1,050.0	1,019.1	1,018.6	3.0	3.2	160.68	-498.8	174.9	528.9	522.3	6.55	80.726	
1,075.0	1,075.0	1,044.7	1,044.2	3.0	3.2	160.67	-499.6	175.3	529.7	523.1	6.60	80.217	
1,100.0	1,100.0	1,070.4	1,069.8	3.0	3.2	160.66	-500.4	175.7	530.6	523.9	6.66	79.706	
1,125.0	1,125.0	1,096.0	1,095.5	3.1	3.3	160.64	-501.1	176.0	531.4	524.6	6.71	79.209	
1,150.0	1,150.0	1,121.1	1,120.6	3.1	3.3	160.63	-501.8	176.4	532.1	525.4	6.76	78.715	
1,175.0	1,175.0	1,146.1	1,145.6	3.2	3.3	160.62	-502.5	176.7	532.9	526.1	6.81	78.224	
1,200.0	1,200.0	1,171.2	1,170.6	3.2	3.3	160.61	-503.1	177.1	533.7	526.8	6.86	77.737	
1,225.0	1,225.0	1,196.2	1,195.6	3.2	3.3	160.60	-503.8	177.5	534.4	527.5	6.92	77.264	
1,250.0	1,250.0	1,222.2	1,221.6	3.3	3.3	160.59	-504.5	177.8	535.2	528.2	6.97	76.783	
1,275.0	1,275.0	1,248.3	1,247.7	3.3	3.3	160.58	-505.2	178.1	535.8	528.8	7.02	76.297	
1,300.0	1,300.0	1,274.4	1,273.8	3.4	3.4	160.57	-505.8	178.4	536.5	529.4	7.08	75.807	
1,325.0	1,325.0	1,300.6	1,300.0	3.4	3.4	160.56	-506.3	178.7	537.1	529.9	7.13	75.323	
1,350.0	1,350.0	1,325.6	1,325.0	3.4	3.4	160.56	-506.8	178.9	537.6	530.4	7.18	74.847	
1,375.0	1,375.0	1,350.7	1,350.0	3.5	3.4	160.55	-507.3	179.1	538.2	530.9	7.24	74.374	
1,400.0	1,400.0	1,375.7	1,375.1	3.5	3.4	160.55	-507.8	179.4	538.7	531.4	7.29	73.905	
1,425.0	1,425.0	1,400.8	1,400.1	3.6	3.4	160.54	-508.3	179.6	539.3	531.9	7.34	73.448	
1,450.0	1,450.0	1,426.8	1,426.2	3.6	3.4	160.53	-508.8	179.9	539.8	532.4	7.40	72.990	
1,475.0	1,475.0	1,452.8	1,452.2	3.6	3.5	160.52	-509.2	180.1	540.3	532.8	7.45	72.531	
1,500.0	1,500.0	1,478.9	1,478.2	3.7	3.5	160.50	-509.6	180.5	540.7	533.2	7.50	72.069	
1,525.0	1,525.0	1,504.8	1,504.1	3.7	3.5	160.48	-509.9	180.8	541.1	533.5	7.56	71.614	
1,550.0	1,550.0	1,530.0	1,529.4	3.8	3.5	160.45	-510.2	181.1	541.4	533.8	7.61	71.166	
1,575.0	1,575.0	1,555.3	1,554.6	3.8	3.5	160.43	-510.4	181.4	541.8	534.1	7.66	70.721	
1,600.0	1,600.0	1,580.6	1,579.9	3.8	3.5	160.42	-510.7	181.7	542.1	534.4	7.71	70.278	
1,625.0	1,625.0	1,605.7	1,605.1	3.9	3.6	160.40	-510.9	181.9	542.4	534.6	7.77	69.842	
1,650.0	1,650.0	1,630.7	1,630.0	3.9	3.6	160.39	-511.2	182.1	542.7	534.9	7.82	69.408	
1,675.0	1,675.0	1,655.6	1,654.9	3.9	3.6	160.38	-511.5	182.4	543.0	535.2	7.87	68.978	
1,700.0	1,700.0	1,680.6	1,679.9	4.0	3.6	160.37	-511.7	182.6	543.4	535.4	7.93	68.553	
1,725.0	1,725.0	1,705.5	1,704.8	4.0	3.6	160.35	-512.0	182.8	543.7	535.7	7.98	68.136	
1,750.0	1,750.0	1,730.4	1,729.7	4.1	3.6	160.35	-512.3	183.0	544.0	536.0	8.03	67.721	
1,775.0	1,775.0	1,755.3	1,754.6	4.1	3.7	160.34	-512.6	183.1	544.3	536.3	8.09	67.311	
1,800.0	1,800.0	1,780.3	1,779.6	4.1	3.7	160.34	-512.9	183.2	544.7	536.5	8.14	66.904	
1,825.0	1,825.0	1,805.2	1,804.5	4.2	3.7	160.34	-513.2	183.3	545.0	536.8	8.20	66.506	
1,850.0	1,850.0	1,830.0	1,829.3	4.2	3.7	160.34	-513.5	183.4	545.4	537.1	8.25	66.113	
1,875.0	1,875.0	1,854.8	1,854.1	4.2	3.7	160.35	-513.9	183.5	545.7	537.4	8.30	65.724	
1,900.0	1,900.0	1,879.6	1,878.9	4.3	3.8	160.35	-514.2	183.6	546.1	537.7	8.36	65.339	
1,925.0	1,925.0	1,904.4	1,903.7	4.3	3.8	160.36	-514.6	183.7	546.4	538.0	8.41	64.966	
1,950.0	1,950.0	1,928.7	1,928.0	4.3	3.8	160.35	-514.9	183.8	546.8	538.4	8.46	64.614	
1,975.0	1,975.0	1,953.1	1,952.4	4.4	3.8	160.33	-515.3	184.1	547.3	538.7	8.52	64.269	
2,000.0	2,000.0	1,977.5	1,976.8	4.4	3.8	160.30	-515.6	184.6	547.7	539.1	8.57	63.931	
2,025.0	2,025.0	2,001.8	2,001.1	4.4	3.9	-145.15	-515.8	185.2	548.3	539.7	8.62	63.569	
2,050.0	2,050.0	2,026.0	2,025.2	4.5	3.9	-145.22	-516.1	185.9	549.1	540.4	8.68	63.222	
2,075.0	2,075.0	2,050.1	2,049.3	4.5	3.9	-145.31	-516.4	186.7	550.1	541.3	8.75	62.871	
2,100.0	2,100.0	2,074.2	2,073.4	4.6	3.9	-145.42	-516.6	187.7	551.3	542.5	8.82	62.517	
2,125.0	2,125.0	2,098.3	2,097.5	4.6	3.9	-145.55	-516.9	188.7	552.7	543.8	8.90	62.135	
2,150.0	2,149.9	2,122.2	2,121.4	4.7	3.9	-145.70	-517.2	189.8	554.4	545.4	8.97	61.777	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,175.0	2,174.9	2,146.2	2,145.4	4.7	3.9	-145.85	-517.5	190.9	556.3	547.2	9.05	61.441	
2,200.0	2,199.8	2,170.1	2,169.3	4.8	4.0	-146.01	-517.9	191.9	558.4	549.2	9.13	61.128	
2,225.0	2,224.8	2,194.1	2,193.2	4.8	4.0	-146.17	-518.3	193.0	560.7	551.5	9.22	60.839	
2,250.0	2,249.7	2,217.8	2,216.9	4.9	4.0	-146.34	-518.8	194.1	563.3	554.0	9.30	60.572	
2,275.0	2,274.6	2,241.4	2,240.5	5.0	4.0	-146.52	-519.2	195.3	566.1	556.7	9.38	60.328	
2,300.0	2,299.5	2,265.0	2,264.0	5.0	4.0	-146.72	-519.7	196.5	569.1	559.7	9.47	60.106	
2,325.0	2,324.3	2,288.5	2,287.5	5.1	4.0	-146.94	-520.2	197.9	572.4	562.9	9.56	59.900	
2,350.0	2,349.1	2,312.1	2,311.0	5.2	4.1	-147.17	-520.7	199.3	576.0	566.3	9.65	59.715	
2,375.0	2,373.9	2,335.7	2,334.6	5.2	4.1	-147.42	-521.2	200.9	579.7	570.0	9.73	59.551	
2,400.1	2,398.8	2,359.3	2,358.1	5.3	4.1	-147.67	-521.7	202.5	583.7	573.9	9.83	59.408	
2,425.0	2,423.5	2,382.7	2,381.5	5.4	4.1	-147.98	-522.2	204.2	587.9	578.0	9.90	59.371	
2,450.0	2,448.2	2,406.9	2,405.6	5.4	4.1	-148.29	-522.7	206.0	592.1	582.1	9.98	59.333	
2,475.0	2,473.0	2,433.0	2,431.6	5.5	4.2	-148.63	-523.3	207.9	596.3	586.2	10.06	59.280	
2,500.0	2,497.7	2,459.2	2,457.7	5.6	4.2	-148.96	-523.8	209.8	600.4	590.2	10.14	59.221	
2,525.0	2,522.5	2,485.4	2,483.9	5.6	4.2	-149.28	-524.2	211.6	604.5	594.2	10.22	59.132	
2,550.0	2,547.2	2,511.5	2,509.9	5.7	4.2	-149.59	-524.6	213.3	608.5	598.2	10.31	59.037	
2,575.0	2,572.0	2,537.3	2,535.7	5.7	4.2	-149.89	-525.0	214.9	612.5	602.1	10.39	58.940	
2,600.0	2,596.8	2,563.2	2,561.5	5.8	4.2	-150.17	-525.3	216.4	616.4	605.9	10.48	58.837	
2,625.0	2,621.5	2,589.1	2,587.4	5.9	4.3	-150.45	-525.6	217.9	620.3	609.7	10.57	58.707	
2,650.0	2,646.3	2,615.4	2,613.6	6.0	4.3	-150.72	-525.9	219.2	624.1	613.5	10.66	58.571	
2,675.0	2,671.0	2,642.0	2,640.2	6.0	4.3	-150.98	-526.2	220.5	627.9	617.2	10.75	58.427	
2,700.0	2,695.8	2,668.7	2,666.8	6.1	4.3	-151.23	-526.4	221.7	631.6	620.8	10.84	58.275	
2,725.0	2,720.5	2,695.4	2,693.5	6.2	4.3	-151.48	-526.6	222.7	635.3	624.4	10.93	58.099	
2,750.0	2,745.3	2,720.4	2,718.5	6.2	4.4	-151.69	-526.7	223.6	638.9	627.9	11.03	57.930	
2,775.0	2,770.1	2,745.1	2,743.2	6.3	4.4	-151.91	-526.9	224.5	642.5	631.4	11.12	57.762	
2,800.0	2,794.8	2,769.8	2,767.9	6.4	4.4	-152.11	-527.0	225.4	646.1	634.9	11.22	57.595	
2,825.0	2,819.6	2,794.5	2,792.6	6.5	4.4	-152.32	-527.2	226.3	649.7	638.4	11.32	57.415	
2,850.0	2,844.3	2,820.0	2,818.1	6.5	4.4	-152.53	-527.3	227.1	653.3	641.9	11.42	57.231	
2,875.0	2,869.1	2,845.8	2,843.8	6.6	4.5	-152.74	-527.4	228.0	656.9	645.4	11.52	57.043	
2,900.0	2,893.8	2,871.5	2,869.5	6.7	4.5	-152.94	-527.5	228.8	660.5	648.8	11.62	56.853	
2,925.0	2,918.6	2,897.3	2,895.3	6.8	4.5	-153.14	-527.6	229.5	664.0	652.2	11.72	56.648	
2,950.0	2,943.3	2,922.2	2,920.2	6.9	4.5	-153.32	-527.7	230.2	667.5	655.6	11.82	56.450	
2,975.0	2,968.1	2,947.1	2,945.1	7.0	4.5	-153.51	-527.7	230.9	670.9	659.0	11.93	56.253	
3,000.0	2,992.9	2,972.0	2,969.9	7.0	4.6	-153.69	-527.8	231.6	674.4	662.4	12.03	56.056	
3,025.0	3,017.6	2,996.8	2,994.8	7.1	4.6	-153.87	-527.8	232.3	677.9	665.8	12.14	55.851	
3,050.0	3,042.4	3,021.9	3,019.8	7.2	4.6	-154.05	-527.9	232.9	681.4	669.2	12.25	55.646	
3,075.0	3,067.1	3,047.0	3,044.9	7.3	4.6	-154.22	-527.9	233.6	684.9	672.5	12.35	55.441	
3,100.0	3,091.9	3,072.0	3,070.0	7.4	4.6	-154.39	-527.9	234.2	688.3	675.9	12.46	55.236	
3,125.0	3,116.6	3,097.1	3,095.1	7.5	4.7	-154.56	-528.0	234.7	691.8	679.2	12.57	55.024	
3,150.0	3,141.4	3,122.5	3,120.4	7.6	4.7	-154.72	-528.0	235.3	695.2	682.6	12.68	54.814	
3,175.0	3,166.2	3,147.9	3,145.9	7.6	4.7	-154.88	-528.0	235.8	698.7	685.9	12.80	54.604	
3,200.0	3,190.9	3,173.4	3,171.3	7.7	4.7	-155.05	-528.0	236.3	702.1	689.2	12.91	54.393	
3,212.6	3,203.4	3,186.2	3,184.2	7.8	4.7	-155.13	-528.0	236.6	703.8	690.8	12.95	54.334	
3,225.0	3,215.7	3,198.8	3,196.7	7.8	4.7	-155.21	-528.0	236.9	705.4	692.4	13.01	54.215	
3,250.0	3,240.4	3,223.7	3,221.6	7.9	4.8	-155.38	-527.9	237.3	708.7	695.6	13.13	53.975	
3,275.0	3,265.2	3,248.6	3,246.5	8.0	4.8	-155.53	-527.9	237.8	711.9	698.6	13.25	53.731	
3,300.0	3,290.0	3,273.6	3,271.5	8.1	4.8	-155.68	-527.9	238.2	714.9	701.6	13.37	53.482	
3,325.0	3,314.8	3,298.5	3,296.4	8.2	4.8	-155.82	-527.8	238.6	717.9	704.4	13.48	53.257	
3,350.0	3,339.7	3,323.1	3,321.0	8.3	4.8	-155.96	-527.8	239.0	720.8	707.2	13.59	53.027	
3,375.0	3,364.5	3,347.6	3,345.5	8.4	4.9	-156.08	-527.8	239.4	723.6	709.9	13.71	52.794	
3,400.0	3,389.4	3,372.2	3,370.1	8.4	4.9	-156.21	-527.8	239.8	726.3	712.5	13.82	52.557	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,425.0	3,414.2	3,396.7	3,394.6	8.5	4.9	-156.33	-527.8	240.2	728.9	715.0	13.93	52.322	
3,450.0	3,439.1	3,421.9	3,419.8	8.6	4.9	-156.44	-527.9	240.6	731.4	717.4	14.04	52.079	
3,475.0	3,464.0	3,447.2	3,445.1	8.7	4.9	-156.55	-527.9	240.9	733.8	719.7	14.16	51.830	
3,500.0	3,488.9	3,472.5	3,470.4	8.8	5.0	-156.66	-527.9	241.3	736.1	721.8	14.27	51.577	
3,525.0	3,513.8	3,497.8	3,495.7	8.9	5.0	-156.75	-527.9	241.6	738.3	723.9	14.38	51.328	
3,550.0	3,538.7	3,523.2	3,521.0	9.0	5.0	-156.84	-527.9	241.9	740.4	725.9	14.50	51.072	
3,575.0	3,563.6	3,548.6	3,546.4	9.1	5.0	-156.93	-528.0	242.1	742.3	727.7	14.61	50.812	
3,600.0	3,588.5	3,574.0	3,571.8	9.1	5.1	-157.00	-528.0	242.3	744.1	729.4	14.72	50.548	
3,625.0	3,613.5	3,599.4	3,597.2	9.2	5.1	-157.07	-528.0	242.5	745.9	731.0	14.83	50.292	
3,650.0	3,638.4	3,624.0	3,621.9	9.3	5.1	-157.14	-528.1	242.6	747.5	732.5	14.94	50.033	
3,675.0	3,663.4	3,648.7	3,646.6	9.4	5.1	-157.20	-528.1	242.8	749.0	734.0	15.05	49.771	
3,700.0	3,688.3	3,673.4	3,671.2	9.5	5.2	-157.25	-528.1	243.0	750.4	735.3	15.16	49.507	
3,725.0	3,713.3	3,698.0	3,695.9	9.5	5.2	-157.30	-528.2	243.1	751.8	736.5	15.26	49.257	
3,750.0	3,738.3	3,722.8	3,720.7	9.6	5.2	-157.35	-528.3	243.3	753.0	737.7	15.37	48.998	
3,775.0	3,763.3	3,747.7	3,745.5	9.7	5.2	-157.39	-528.3	243.5	754.2	738.7	15.47	48.737	
3,800.0	3,788.2	3,772.5	3,770.4	9.8	5.3	-157.43	-528.4	243.6	755.3	739.7	15.58	48.474	
3,825.0	3,813.2	3,797.4	3,795.2	9.9	5.3	-157.47	-528.5	243.8	756.2	740.6	15.68	48.230	
3,850.0	3,838.2	3,822.7	3,820.6	9.9	5.3	-157.50	-528.6	243.9	757.1	741.3	15.78	47.978	
3,875.0	3,863.2	3,848.1	3,846.0	10.0	5.3	-157.53	-528.7	244.0	757.9	742.0	15.88	47.722	
3,900.0	3,888.2	3,873.6	3,871.4	10.1	5.4	-157.55	-528.8	244.1	758.5	742.5	15.98	47.462	
3,925.0	3,913.2	3,899.0	3,896.8	10.1	5.4	-157.57	-528.9	244.3	759.0	742.9	16.07	47.243	
3,950.0	3,938.2	3,924.0	3,921.9	10.2	5.4	-157.58	-528.9	244.4	759.4	743.3	16.15	47.022	
3,975.0	3,963.2	3,949.1	3,946.9	10.2	5.5	-157.59	-529.0	244.5	759.7	743.5	16.23	46.796	
4,000.0	3,988.2	3,974.1	3,971.9	10.3	5.5	-157.60	-529.1	244.5	759.9	743.6	16.32	46.567	
4,012.8	4,001.0	3,986.9	3,984.8	10.3	5.5	147.80	-529.1	244.6	760.0	743.7	16.34	46.514	
4,025.0	4,013.2	3,999.1	3,997.0	10.3	5.5	147.80	-529.1	244.6	760.0	743.7	16.36	46.452	
4,050.0	4,038.2	4,023.6	4,021.4	10.3	5.5	147.80	-529.2	244.7	760.2	743.7	16.41	46.328	
4,075.0	4,063.2	4,048.0	4,045.9	10.4	5.6	147.80	-529.3	244.7	760.3	743.8	16.45	46.206	
4,100.0	4,088.2	4,072.5	4,070.3	10.4	5.6	147.80	-529.5	244.8	760.4	743.9	16.50	46.086	
4,125.0	4,113.2	4,096.9	4,094.8	10.4	5.6	147.80	-529.6	244.8	760.6	744.1	16.54	45.981	
4,150.0	4,138.2	4,121.8	4,119.7	10.4	5.6	147.81	-529.8	244.9	760.8	744.2	16.58	45.877	
4,175.0	4,163.2	4,146.8	4,144.6	10.4	5.7	147.81	-530.0	244.9	761.0	744.3	16.62	45.773	
4,200.0	4,188.2	4,171.7	4,169.6	10.5	5.7	147.82	-530.2	244.9	761.1	744.5	16.67	45.671	
4,225.0	4,213.2	4,196.7	4,194.5	10.5	5.7	147.83	-530.4	244.9	761.3	744.6	16.71	45.568	
4,250.0	4,238.2	4,221.5	4,219.4	10.5	5.7	147.84	-530.6	245.0	761.5	744.8	16.75	45.467	
4,275.0	4,263.2	4,246.4	4,244.2	10.5	5.7	147.85	-530.8	245.0	761.7	744.9	16.79	45.367	
4,300.0	4,288.2	4,271.2	4,269.1	10.5	5.8	147.85	-531.1	245.0	761.9	745.1	16.83	45.267	
4,325.0	4,313.2	4,296.1	4,293.9	10.6	5.8	147.86	-531.3	245.0	762.1	745.2	16.87	45.168	
4,350.0	4,338.2	4,321.0	4,318.9	10.6	5.8	147.87	-531.5	245.1	762.3	745.4	16.91	45.071	
4,375.0	4,363.2	4,346.0	4,343.8	10.6	5.8	147.87	-531.7	245.1	762.5	745.5	16.95	44.974	
4,400.0	4,388.2	4,370.9	4,368.8	10.6	5.9	147.88	-532.0	245.1	762.7	745.7	17.00	44.877	
4,425.0	4,413.2	4,395.9	4,393.7	10.6	5.9	147.89	-532.2	245.1	762.9	745.9	17.04	44.781	
4,450.0	4,438.2	4,420.9	4,418.7	10.7	5.9	147.91	-532.5	245.0	763.1	746.0	17.08	44.687	
4,475.0	4,463.2	4,445.8	4,443.7	10.7	5.9	147.92	-532.7	245.0	763.3	746.2	17.12	44.592	
4,500.0	4,488.2	4,470.8	4,468.6	10.7	5.9	147.93	-533.0	245.0	763.5	746.4	17.16	44.498	
4,525.0	4,513.2	4,495.8	4,493.6	10.7	6.0	147.94	-533.2	245.0	763.7	746.5	17.20	44.404	
4,550.0	4,538.2	4,520.7	4,518.6	10.7	6.0	147.94	-533.5	245.0	764.0	746.7	17.24	44.308	
4,575.0	4,563.2	4,545.7	4,543.6	10.8	6.0	147.95	-533.7	245.1	764.2	746.9	17.28	44.212	
4,600.0	4,588.2	4,570.7	4,568.6	10.8	6.0	147.96	-533.9	245.1	764.4	747.1	17.33	44.115	
4,625.0	4,613.2	4,595.7	4,593.6	10.8	6.1	147.96	-534.1	245.2	764.6	747.2	17.37	44.019	
4,650.0	4,638.2	4,620.3	4,618.1	10.8	6.1	147.97	-534.3	245.2	764.8	747.4	17.41	43.924	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,675.0	4,663.2	4,644.8	4,642.6	10.8	6.1	147.97	-534.6	245.3	765.1	747.6	17.46	43.830	
4,700.0	4,688.2	4,669.2	4,667.1	10.9	6.1	147.97	-534.8	245.5	765.3	747.8	17.50	43.737	
4,725.0	4,713.2	4,693.7	4,691.5	10.9	6.2	147.97	-535.0	245.6	765.6	748.0	17.54	43.645	
4,750.0	4,738.2	4,718.3	4,716.1	10.9	6.2	147.96	-535.2	245.8	765.9	748.3	17.58	43.554	
4,775.0	4,763.2	4,742.9	4,740.8	10.9	6.2	147.96	-535.4	246.0	766.2	748.5	17.63	43.463	
4,800.0	4,788.2	4,767.6	4,765.4	10.9	6.3	147.96	-535.7	246.2	766.5	748.8	17.67	43.373	
4,825.0	4,813.2	4,792.2	4,790.0	11.0	6.3	147.97	-536.0	246.3	766.8	749.1	17.72	43.285	
4,850.0	4,838.2	4,816.4	4,814.2	11.0	6.3	147.97	-536.3	246.4	767.1	749.4	17.76	43.200	
4,875.0	4,863.2	4,840.3	4,838.1	11.0	6.3	147.97	-536.6	246.6	767.5	749.7	17.80	43.119	
4,900.0	4,888.2	4,864.2	4,862.0	11.0	6.4	147.98	-537.0	246.7	767.9	750.1	17.84	43.040	
4,925.0	4,913.2	4,888.1	4,885.9	11.0	6.4	147.98	-537.4	246.9	768.4	750.5	17.88	42.963	
4,950.0	4,938.2	4,912.7	4,910.5	11.1	6.4	147.99	-537.8	247.1	768.8	750.9	17.93	42.886	
4,975.0	4,963.2	4,937.9	4,935.7	11.1	6.4	148.00	-538.3	247.2	769.3	751.3	17.97	42.806	
5,000.0	4,988.2	4,963.1	4,960.9	11.1	6.5	148.00	-538.7	247.4	769.8	751.8	18.02	42.726	
5,025.0	5,013.2	4,988.3	4,986.1	11.1	6.5	148.01	-539.2	247.6	770.2	752.2	18.06	42.646	
5,050.0	5,038.2	5,013.7	5,011.4	11.1	6.5	148.02	-539.6	247.7	770.7	752.6	18.11	42.566	
5,075.0	5,063.2	5,039.1	5,036.9	11.2	6.5	148.03	-540.1	247.8	771.1	753.0	18.15	42.486	
5,100.0	5,088.2	5,064.6	5,062.4	11.2	6.6	148.04	-540.5	247.9	771.5	753.3	18.19	42.405	
5,125.0	5,113.2	5,090.1	5,087.9	11.2	6.6	148.06	-541.0	248.0	771.9	753.7	18.24	42.324	
5,150.0	5,138.2	5,115.5	5,113.2	11.2	6.6	148.07	-541.4	248.0	772.3	754.0	18.28	42.244	
5,175.0	5,163.2	5,140.7	5,138.5	11.2	6.7	148.08	-541.8	248.1	772.7	754.4	18.33	42.164	
5,200.0	5,188.2	5,166.0	5,163.8	11.3	6.7	148.10	-542.2	248.1	773.1	754.7	18.37	42.083	
5,225.0	5,213.2	5,191.3	5,189.1	11.3	6.7	148.11	-542.6	248.2	773.4	755.0	18.41	42.002	
5,250.0	5,238.2	5,216.1	5,213.9	11.3	6.7	148.12	-543.0	248.3	773.8	755.3	18.46	41.923	
5,275.0	5,263.2	5,240.7	5,238.4	11.3	6.8	148.13	-543.3	248.4	774.2	755.7	18.50	41.844	
5,300.0	5,288.2	5,265.3	5,263.0	11.3	6.8	148.13	-543.7	248.5	774.5	756.0	18.54	41.767	
5,325.0	5,313.2	5,289.8	5,287.6	11.4	6.8	148.14	-544.1	248.6	774.9	756.4	18.59	41.690	
5,350.0	5,338.2	5,314.5	5,312.2	11.4	6.8	148.15	-544.5	248.7	775.3	756.7	18.63	41.614	
5,375.0	5,363.2	5,339.2	5,336.9	11.4	6.9	148.16	-544.9	248.8	775.8	757.1	18.68	41.539	
5,400.0	5,388.2	5,363.9	5,361.6	11.4	6.9	148.17	-545.3	249.0	776.2	757.5	18.72	41.465	
5,425.0	5,413.2	5,388.5	5,386.3	11.4	6.9	148.18	-545.8	249.1	776.6	757.9	18.76	41.391	
5,450.0	5,438.2	5,413.4	5,411.1	11.4	6.9	148.19	-546.2	249.2	777.1	758.3	18.81	41.318	
5,475.0	5,463.2	5,438.3	5,436.0	11.5	7.0	148.20	-546.7	249.3	777.5	758.7	18.85	41.244	
5,500.0	5,488.2	5,463.3	5,461.0	11.5	7.0	148.21	-547.2	249.4	778.0	759.1	18.90	41.171	
5,525.0	5,513.2	5,488.2	5,485.9	11.5	7.0	148.22	-547.6	249.5	778.4	759.5	18.94	41.099	
5,550.0	5,538.2	5,512.9	5,510.6	11.5	7.1	148.23	-548.1	249.7	778.9	759.9	18.98	41.028	
5,575.0	5,563.2	5,537.3	5,535.0	11.5	7.1	148.24	-548.5	249.8	779.4	760.3	19.03	40.959	
5,600.0	5,588.2	5,561.7	5,559.4	11.6	7.1	148.25	-549.0	249.9	779.9	760.8	19.07	40.892	
5,625.0	5,613.2	5,586.1	5,583.8	11.6	7.1	148.26	-549.6	250.0	780.4	761.3	19.11	40.827	
5,650.0	5,638.2	5,611.0	5,608.7	11.6	7.2	148.28	-550.1	250.1	780.9	761.8	19.16	40.761	
5,675.0	5,663.2	5,636.5	5,634.1	11.6	7.2	148.30	-550.7	250.2	781.4	762.2	19.20	40.694	
5,700.0	5,688.2	5,661.9	5,659.6	11.6	7.2	148.32	-551.3	250.2	781.9	762.7	19.25	40.626	
5,725.0	5,713.2	5,687.4	5,685.1	11.7	7.2	148.34	-551.8	250.3	782.4	763.1	19.29	40.557	
5,750.0	5,738.2	5,712.5	5,710.2	11.7	7.3	148.35	-552.4	250.3	782.9	763.6	19.34	40.490	
5,775.0	5,763.2	5,737.4	5,735.0	11.7	7.3	148.37	-552.9	250.3	783.4	764.0	19.38	40.425	
5,800.0	5,788.2	5,762.2	5,759.9	11.7	7.3	148.39	-553.4	250.4	783.9	764.4	19.42	40.360	
5,825.0	5,813.2	5,787.1	5,784.7	11.7	7.3	148.41	-554.0	250.4	784.3	764.9	19.46	40.295	
5,850.0	5,838.2	5,812.0	5,809.7	11.8	7.4	148.43	-554.5	250.4	784.8	765.3	19.51	40.230	
5,875.0	5,863.2	5,837.1	5,834.8	11.8	7.4	148.45	-555.1	250.5	785.3	765.8	19.55	40.164	
5,900.0	5,888.2	5,862.3	5,859.9	11.8	7.4	148.46	-555.6	250.6	785.8	766.2	19.60	40.098	
5,925.0	5,913.2	5,887.4	5,885.0	11.8	7.4	148.48	-556.1	250.6	786.3	766.6	19.64	40.032	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,950.0	5,938.2	5,912.6	5,910.2	11.8	7.5	148.49	-556.6	250.7	786.8	767.1	19.69	39.965	
5,975.0	5,963.2	5,938.1	5,935.7	11.9	7.5	148.50	-557.1	250.8	787.2	767.5	19.73	39.897	
6,000.0	5,988.2	5,963.5	5,961.1	11.9	7.5	148.52	-557.6	250.9	787.7	767.9	19.78	39.828	
6,025.0	6,013.2	5,988.9	5,986.5	11.9	7.6	148.53	-558.1	251.0	788.1	768.3	19.82	39.759	
6,050.0	6,038.2	6,013.8	6,011.4	11.9	7.6	148.55	-558.6	251.0	788.5	768.7	19.87	39.692	
6,075.0	6,063.2	6,038.3	6,035.9	11.9	7.6	148.56	-559.0	251.1	789.0	769.1	19.91	39.627	
6,100.0	6,088.2	6,062.8	6,060.4	12.0	7.6	148.57	-559.5	251.1	789.4	769.5	19.95	39.564	
6,125.0	6,113.2	6,087.3	6,084.9	12.0	7.7	148.59	-560.0	251.2	789.9	769.9	20.00	39.501	
6,150.0	6,138.2	6,111.9	6,109.5	12.0	7.7	148.61	-560.6	251.2	790.4	770.4	20.04	39.440	
6,175.0	6,163.2	6,136.5	6,134.1	12.0	7.7	148.62	-561.1	251.3	790.9	770.8	20.08	39.378	
6,200.0	6,188.2	6,161.2	6,158.8	12.0	7.7	148.64	-561.7	251.4	791.4	771.3	20.13	39.318	
6,225.0	6,213.2	6,185.8	6,183.4	12.1	7.8	148.66	-562.2	251.5	791.9	771.8	20.17	39.258	
6,250.0	6,238.2	6,211.0	6,208.5	12.1	7.8	148.67	-562.8	251.6	792.5	772.3	20.22	39.196	
6,275.0	6,263.2	6,236.7	6,234.3	12.1	7.8	148.69	-563.3	251.7	793.0	772.7	20.26	39.132	
6,300.0	6,288.2	6,262.5	6,260.1	12.1	7.9	148.70	-563.9	251.7	793.5	773.2	20.31	39.066	
6,325.0	6,313.2	6,288.3	6,285.8	12.1	7.9	148.71	-564.4	251.8	793.9	773.6	20.36	39.000	
6,350.0	6,338.2	6,313.4	6,311.0	12.2	7.9	148.73	-564.8	251.9	794.4	774.0	20.40	38.935	
6,375.0	6,363.2	6,338.0	6,335.5	12.2	7.9	148.74	-565.3	252.0	794.8	774.4	20.45	38.872	
6,400.0	6,388.2	6,362.6	6,360.1	12.2	8.0	148.75	-565.8	252.1	795.3	774.8	20.49	38.811	
6,425.0	6,413.2	6,387.2	6,384.7	12.2	8.0	148.77	-566.3	252.1	795.8	775.2	20.54	38.750	
6,450.0	6,438.2	6,413.7	6,411.2	12.2	8.0	148.78	-566.8	252.2	796.2	775.7	20.58	38.689	
6,475.0	6,463.2	6,442.3	6,439.9	12.3	8.0	148.80	-567.4	252.2	796.6	776.0	20.62	38.624	
6,500.0	6,488.2	6,471.0	6,468.5	12.3	8.1	148.83	-567.8	252.0	796.9	776.2	20.67	38.554	
6,525.0	6,513.2	6,499.6	6,497.1	12.3	8.1	148.86	-568.2	251.8	797.0	776.3	20.71	38.478	
6,550.0	6,538.2	6,538.3	6,535.8	12.3	8.1	148.89	-568.3	251.3	796.9	776.2	20.75	38.396	
6,575.0	6,563.2	6,558.4	6,555.9	12.3	8.1	148.92	-568.3	250.9	796.7	775.9	20.78	38.340	
6,587.4	6,575.6	6,565.0	6,562.5	12.3	8.1	148.93	-568.3	250.8	796.6	775.8	20.79	38.319	
6,600.0	6,588.2	6,565.0	6,562.5	12.4	8.1	148.93	-568.3	250.8	796.7	775.9	20.79	38.314	
6,625.0	6,613.2	6,581.9	6,579.4	12.4	8.1	148.97	-568.7	250.4	797.1	776.2	20.83	38.261	
6,650.0	6,638.2	6,596.0	6,593.4	12.4	8.2	149.02	-569.6	250.0	798.0	777.1	20.86	38.246 SF	
6,675.0	6,663.2	6,596.0	6,593.4	12.4	8.2	149.02	-569.6	250.0	799.4	778.5	20.87	38.293	
6,700.0	6,688.2	6,610.3	6,607.7	12.4	8.2	149.10	-571.0	249.6	801.2	780.3	20.90	38.332	
6,725.0	6,713.2	6,627.0	6,624.2	12.5	8.2	149.22	-573.3	249.0	803.6	782.7	20.93	38.397	
6,750.0	6,738.2	6,627.0	6,624.2	12.5	8.2	149.22	-573.3	249.0	806.4	785.4	20.94	38.508	
6,775.0	6,763.2	6,638.4	6,635.4	12.5	8.2	149.32	-575.3	248.5	809.7	788.7	20.96	38.626	
6,800.0	6,788.2	6,648.2	6,645.0	12.5	8.2	149.43	-577.3	248.0	813.4	792.4	20.98	38.767	
6,825.0	6,813.2	6,658.0	6,654.5	12.5	8.2	149.54	-579.5	247.5	817.7	796.7	21.01	38.927	
6,850.0	6,838.2	6,668.5	6,664.6	12.6	8.2	149.67	-582.2	246.8	822.3	801.3	21.03	39.106	
6,875.0	6,863.2	6,678.9	6,674.7	12.6	8.2	149.82	-585.0	246.0	827.4	806.4	21.05	39.305	
6,900.0	6,888.2	6,689.0	6,684.2	12.6	8.3	149.98	-588.0	245.2	832.9	811.9	21.07	39.524	
6,925.0	6,913.2	6,689.0	6,684.2	12.6	8.3	149.98	-588.0	245.2	839.0	817.9	21.09	39.779	
6,950.0	6,938.2	6,707.4	6,701.5	12.6	8.3	150.30	-594.1	243.5	845.3	824.1	21.12	40.017	
6,975.0	6,963.2	6,720.0	6,713.2	12.7	8.3	150.53	-598.6	242.3	852.1	831.0	21.15	40.289	
7,000.0	6,988.2	6,720.0	6,713.2	12.7	8.3	150.53	-598.6	242.3	859.4	838.2	21.17	40.590	
7,025.0	7,013.2	6,734.4	6,726.4	12.7	8.3	150.81	-604.2	240.9	867.0	845.8	21.20	40.890	
7,050.0	7,038.2	6,751.0	6,741.4	12.7	8.3	151.15	-611.2	239.1	875.2	854.0	21.24	41.213	
7,075.0	7,063.2	6,751.0	6,741.4	12.7	8.3	151.15	-611.2	239.1	883.6	862.4	21.26	41.555	
7,100.0	7,088.2	6,751.0	6,741.4	12.8	8.3	151.15	-611.2	239.1	892.7	871.4	21.29	41.921	
7,125.0	7,113.2	6,766.7	6,755.3	12.8	8.4	151.48	-618.3	237.5	901.9	880.6	21.34	42.274	
7,150.0	7,138.2	6,783.0	6,769.5	12.8	8.4	151.83	-626.2	236.0	911.8	890.4	21.38	42.656	
7,175.0	7,163.2	6,783.0	6,769.5	12.8	8.4	151.83	-626.2	236.0	921.9	900.4	21.41	43.054	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,200.0	7,188.2	6,783.0	6,769.5	12.8	8.4	151.83	-626.2	236.0	932.5	911.0	21.45	43.473	
7,225.0	7,213.2	6,795.0	6,779.8	12.9	8.4	152.08	-632.3	235.0	943.4	921.9	21.49	43.891	
7,250.0	7,238.2	6,802.0	6,785.7	12.9	8.4	152.23	-636.0	234.5	954.7	933.2	21.54	44.328	
7,275.0	7,263.2	6,814.0	6,795.7	12.9	8.4	152.48	-642.5	233.7	966.4	944.8	21.58	44.777	
7,300.0	7,288.2	6,814.0	6,795.7	12.9	8.4	152.48	-642.5	233.7	978.4	956.8	21.63	45.239	
7,325.0	7,313.2	6,814.0	6,795.7	12.9	8.4	152.48	-642.5	233.7	990.9	969.2	21.68	45.717	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #3H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 7236-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,569.9	2,569.3	5.7	3.6	-29.03	145.0	-1,031.5	999.0	989.6	9.35	106.811	
2,575.0	2,572.0	2,592.7	2,592.1	5.7	3.6	-29.12	144.9	-1,031.0	995.3	985.9	9.43	105.557	
2,600.0	2,596.8	2,615.8	2,615.1	5.8	3.6	-29.22	144.7	-1,030.4	991.7	982.2	9.51	104.320	
2,625.0	2,621.5	2,638.9	2,638.2	5.9	3.6	-29.31	144.6	-1,029.9	988.1	978.5	9.59	103.059	
2,650.0	2,646.3	2,662.0	2,661.4	6.0	3.6	-29.41	144.5	-1,029.5	984.5	974.9	9.67	101.821	
2,675.0	2,671.0	2,685.1	2,684.5	6.0	3.6	-29.51	144.3	-1,029.1	981.0	971.3	9.75	100.606	
2,700.0	2,695.8	2,708.9	2,708.2	6.1	3.6	-29.61	144.2	-1,028.7	977.6	967.7	9.83	99.411	
2,725.0	2,720.5	2,733.6	2,733.0	6.2	3.6	-29.72	144.0	-1,028.3	974.1	964.2	9.92	98.197	
2,750.0	2,745.3	2,758.4	2,757.7	6.2	3.6	-29.83	143.8	-1,027.9	970.7	960.7	10.01	97.003	
2,775.0	2,770.1	2,783.1	2,782.5	6.3	3.6	-29.94	143.6	-1,027.4	967.2	957.1	10.09	95.829	
2,800.0	2,794.8	2,808.0	2,807.3	6.4	3.6	-30.06	143.4	-1,027.0	963.8	953.6	10.18	94.673	
2,825.0	2,819.6	2,833.1	2,832.4	6.5	3.7	-30.17	143.1	-1,026.6	960.3	950.0	10.27	93.504	
2,850.0	2,844.3	2,858.2	2,857.5	6.5	3.7	-30.29	143.0	-1,026.2	956.9	946.5	10.36	92.354	
2,875.0	2,869.1	2,883.3	2,882.7	6.6	3.7	-30.40	142.9	-1,025.7	953.4	942.9	10.45	91.221	
2,900.0	2,893.8	2,908.1	2,907.4	6.7	3.7	-30.50	142.8	-1,025.3	949.9	939.4	10.54	90.105	
2,925.0	2,918.6	2,932.0	2,931.3	6.8	3.7	-30.61	142.8	-1,024.8	946.5	935.8	10.64	88.982	
2,950.0	2,943.3	2,956.0	2,955.3	6.9	3.7	-30.71	142.8	-1,024.4	943.0	932.3	10.73	87.879	
2,975.0	2,968.1	2,980.0	2,979.3	7.0	3.7	-30.81	142.8	-1,024.0	939.6	928.8	10.83	86.797	
3,000.0	2,992.9	3,004.0	3,003.3	7.0	3.7	-30.92	142.8	-1,023.6	936.2	925.3	10.92	85.735	
3,025.0	3,017.6	3,028.2	3,027.5	7.1	3.7	-31.02	142.8	-1,023.3	932.9	921.8	11.02	84.673	
3,050.0	3,042.4	3,052.5	3,051.8	7.2	3.7	-31.13	142.8	-1,022.9	929.5	918.4	11.11	83.629	
3,075.0	3,067.1	3,076.8	3,076.1	7.3	3.7	-31.24	142.8	-1,022.6	926.2	914.9	11.21	82.603	
3,100.0	3,091.9	3,101.1	3,100.3	7.4	3.7	-31.34	142.8	-1,022.2	922.8	911.5	11.31	81.597	
3,125.0	3,116.6	3,125.8	3,125.1	7.5	3.7	-31.46	142.8	-1,021.9	919.5	908.1	11.41	80.593	
3,150.0	3,141.4	3,150.6	3,149.9	7.6	3.8	-31.57	142.8	-1,021.5	916.2	904.7	11.51	79.606	
3,175.0	3,166.2	3,175.3	3,174.6	7.6	3.8	-31.68	142.8	-1,021.2	912.9	901.3	11.61	78.637	
3,200.0	3,190.9	3,200.0	3,199.3	7.7	3.8	-31.79	142.8	-1,020.9	909.6	897.9	11.71	77.684	
3,212.6	3,203.4	3,212.3	3,211.6	7.8	3.8	-31.85	142.8	-1,020.7	907.9	896.2	11.75	77.289	
3,225.0	3,215.7	3,224.2	3,223.5	7.8	3.8	-31.89	142.8	-1,020.5	906.3	894.5	11.80	76.803	
3,250.0	3,240.4	3,248.3	3,247.6	7.9	3.8	-31.98	142.9	-1,020.2	903.1	891.2	11.91	75.839	
3,275.0	3,265.2	3,272.4	3,271.7	8.0	3.8	-32.07	142.9	-1,019.9	900.0	888.0	12.02	74.901	
3,300.0	3,290.0	3,296.6	3,295.9	8.1	3.8	-32.16	142.8	-1,019.7	897.1	884.9	12.12	73.989	
3,325.0	3,314.8	3,320.6	3,319.9	8.2	3.8	-32.25	142.8	-1,019.4	894.2	882.0	12.23	73.145	
3,350.0	3,339.7	3,344.6	3,343.9	8.3	3.8	-32.33	142.8	-1,019.2	891.5	879.2	12.33	72.323	
3,375.0	3,364.5	3,368.6	3,367.9	8.4	3.9	-32.41	142.8	-1,019.0	888.9	876.4	12.43	71.524	
3,400.0	3,389.4	3,392.7	3,391.9	8.4	3.9	-32.49	142.8	-1,018.8	886.4	873.8	12.53	70.746	
3,425.0	3,414.2	3,417.6	3,416.9	8.5	3.9	-32.57	142.7	-1,018.6	884.0	871.3	12.63	69.998	
3,450.0	3,439.1	3,443.0	3,442.3	8.6	3.9	-32.65	142.7	-1,018.4	881.7	868.9	12.73	69.269	
3,475.0	3,464.0	3,468.4	3,467.7	8.7	3.9	-32.73	142.6	-1,018.2	879.4	866.6	12.83	68.557	
3,500.0	3,488.9	3,493.8	3,493.1	8.8	3.9	-32.80	142.5	-1,017.9	877.3	864.3	12.93	67.861	
3,525.0	3,513.8	3,518.0	3,517.3	8.9	3.9	-32.87	142.5	-1,017.7	875.2	862.2	13.03	67.191	
3,550.0	3,538.7	3,541.9	3,541.2	9.0	3.9	-32.93	142.4	-1,017.5	873.3	860.1	13.12	66.539	
3,575.0	3,563.6	3,565.8	3,565.0	9.1	4.0	-33.00	142.3	-1,017.4	871.4	858.2	13.22	65.904	
3,600.0	3,588.5	3,589.7	3,588.9	9.1	4.0	-33.06	142.2	-1,017.2	869.7	856.4	13.32	65.288	
3,625.0	3,613.5	3,613.6	3,612.8	9.2	4.0	-33.11	142.1	-1,017.1	868.2	854.7	13.42	64.707	
3,650.0	3,638.4	3,637.5	3,636.7	9.3	4.0	-33.17	142.0	-1,017.0	866.7	853.2	13.51	64.146	
3,675.0	3,663.4	3,661.4	3,660.7	9.4	4.0	-33.22	142.0	-1,017.0	865.4	851.8	13.61	63.600	
3,700.0	3,688.3	3,685.3	3,684.6	9.5	4.0	-33.27	141.9	-1,017.0	864.2	850.5	13.70	63.069	
3,725.0	3,713.3	3,709.8	3,709.0	9.5	4.0	-33.31	141.8	-1,017.0	863.1	849.3	13.79	62.577	
3,750.0	3,738.3	3,735.0	3,734.2	9.6	4.0	-33.35	141.7	-1,017.0	862.1	848.2	13.88	62.101	
3,775.0	3,763.3	3,760.1	3,759.4	9.7	4.0	-33.39	141.7	-1,017.0	861.1	847.2	13.97	61.636	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #3H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 7236-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,785.3	3,784.6	9.8	4.0	-33.43	141.6	-1,017.0	860.3	846.3	14.06	61.182	
3,825.0	3,813.2	3,810.5	3,809.7	9.9	4.0	-33.46	141.6	-1,017.0	859.6	845.4	14.15	60.765	
3,850.0	3,838.2	3,835.6	3,834.9	9.9	4.1	-33.49	141.5	-1,016.9	858.9	844.7	14.23	60.354	
3,875.0	3,863.2	3,860.7	3,860.0	10.0	4.1	-33.51	141.5	-1,016.9	858.3	844.0	14.32	59.953	
3,900.0	3,888.2	3,885.8	3,885.1	10.1	4.1	-33.53	141.5	-1,016.9	857.9	843.5	14.40	59.561	
3,925.0	3,913.2	3,910.5	3,909.8	10.1	4.1	-33.54	141.5	-1,016.9	857.5	843.0	14.47	59.238	
3,950.0	3,938.2	3,934.8	3,934.0	10.2	4.1	-33.55	141.5	-1,016.9	857.2	842.6	14.55	58.926	
3,975.0	3,963.2	3,959.0	3,958.2	10.2	4.1	-33.56	141.5	-1,016.9	857.0	842.4	14.62	58.623	
3,999.8	3,988.0	3,983.0	3,982.2	10.3	4.1	-33.56	141.5	-1,016.9	857.0	842.3	14.69	58.333 CC	
4,000.0	3,988.2	3,983.2	3,982.5	10.3	4.1	-33.56	141.5	-1,016.9	857.0	842.3	14.69	58.331 ES	
4,012.8	4,001.0	3,995.6	3,994.9	10.3	4.1	-88.16	141.5	-1,016.9	857.0	842.3	14.71	58.276	
4,025.0	4,013.2	4,007.3	4,006.6	10.3	4.1	-88.16	141.5	-1,017.0	857.0	842.3	14.72	58.204	
4,050.0	4,038.2	4,031.3	4,030.5	10.3	4.1	-88.16	141.5	-1,017.0	857.1	842.3	14.76	58.061	
4,075.0	4,063.2	4,055.2	4,054.5	10.4	4.2	-88.16	141.4	-1,017.2	857.2	842.4	14.80	57.921	
4,100.0	4,088.2	4,079.2	4,078.4	10.4	4.2	-88.17	141.4	-1,017.3	857.4	842.5	14.84	57.783	
4,125.0	4,113.2	4,103.2	4,102.5	10.4	4.2	-88.17	141.4	-1,017.5	857.5	842.7	14.87	57.669	
4,150.0	4,138.2	4,128.1	4,127.3	10.4	4.2	-88.17	141.4	-1,017.7	857.7	842.8	14.90	57.558	
4,175.0	4,163.2	4,152.9	4,152.1	10.4	4.2	-88.17	141.4	-1,017.9	857.9	843.0	14.93	57.447	
4,200.0	4,188.2	4,177.7	4,177.0	10.5	4.2	-88.17	141.4	-1,018.1	858.1	843.2	14.97	57.338	
4,225.0	4,213.2	4,202.6	4,201.8	10.5	4.2	-88.18	141.3	-1,018.3	858.4	843.4	15.00	57.230	
4,250.0	4,238.2	4,227.7	4,227.0	10.5	4.2	-88.19	141.2	-1,018.5	858.6	843.5	15.03	57.121	
4,275.0	4,263.2	4,252.8	4,252.1	10.5	4.2	-88.19	141.1	-1,018.7	858.8	843.7	15.06	57.012	
4,300.0	4,288.2	4,278.0	4,277.2	10.5	4.2	-88.20	141.0	-1,018.9	859.0	843.9	15.10	56.904	
4,325.0	4,313.2	4,303.1	4,302.3	10.6	4.2	-88.21	140.9	-1,019.1	859.2	844.0	15.13	56.796	
4,350.0	4,338.2	4,328.1	4,327.3	10.6	4.2	-88.21	140.8	-1,019.3	859.4	844.2	15.16	56.686	
4,375.0	4,363.2	4,353.1	4,352.3	10.6	4.3	-88.22	140.6	-1,019.5	859.6	844.4	15.19	56.577	
4,400.0	4,388.2	4,378.1	4,377.3	10.6	4.3	-88.24	140.5	-1,019.7	859.8	844.5	15.23	56.469	
4,425.0	4,413.2	4,403.1	4,402.4	10.6	4.3	-88.25	140.3	-1,019.9	860.0	844.7	15.26	56.362	
4,450.0	4,438.2	4,428.3	4,427.5	10.7	4.3	-88.26	140.1	-1,020.1	860.1	844.9	15.29	56.254	
4,475.0	4,463.2	4,453.4	4,452.6	10.7	4.3	-88.28	139.8	-1,020.3	860.3	845.0	15.32	56.146	
4,500.0	4,488.2	4,478.5	4,477.8	10.7	4.3	-88.29	139.6	-1,020.5	860.5	845.2	15.36	56.039	
4,525.0	4,513.2	4,503.5	4,502.8	10.7	4.3	-88.30	139.5	-1,020.7	860.7	845.3	15.39	55.931	
4,550.0	4,538.2	4,527.9	4,527.1	10.7	4.3	-88.32	139.3	-1,020.9	860.9	845.5	15.42	55.821	
4,575.0	4,563.2	4,552.2	4,551.5	10.8	4.3	-88.33	139.1	-1,021.1	861.1	845.7	15.46	55.713	
4,600.0	4,588.2	4,576.6	4,575.8	10.8	4.4	-88.34	139.0	-1,021.3	861.3	845.8	15.49	55.607	
4,625.0	4,613.2	4,601.0	4,600.2	10.8	4.4	-88.34	138.9	-1,021.6	861.6	846.1	15.52	55.502	
4,650.0	4,638.2	4,625.9	4,625.1	10.8	4.4	-88.35	138.8	-1,021.8	861.8	846.3	15.56	55.398	
4,675.0	4,663.2	4,650.8	4,650.1	10.8	4.4	-88.36	138.6	-1,022.1	862.1	846.5	15.59	55.295	
4,700.0	4,688.2	4,675.8	4,675.0	10.9	4.4	-88.37	138.5	-1,022.4	862.4	846.7	15.62	55.193	
4,725.0	4,713.2	4,700.7	4,699.9	10.9	4.4	-88.39	138.3	-1,022.6	862.6	847.0	15.66	55.091	
4,750.0	4,738.2	4,725.6	4,724.8	10.9	4.4	-88.40	138.1	-1,022.9	862.9	847.2	15.69	54.990	
4,775.0	4,763.2	4,750.4	4,749.6	10.9	4.4	-88.41	137.9	-1,023.2	863.2	847.4	15.73	54.889	
4,800.0	4,788.2	4,775.3	4,774.5	10.9	4.5	-88.43	137.7	-1,023.5	863.4	847.7	15.76	54.788	
4,825.0	4,813.2	4,800.1	4,799.3	11.0	4.5	-88.45	137.4	-1,023.8	863.7	847.9	15.79	54.689	
4,850.0	4,838.2	4,825.5	4,824.7	11.0	4.5	-88.46	137.2	-1,024.0	864.0	848.2	15.83	54.591	
4,875.0	4,863.2	4,850.9	4,850.1	11.0	4.5	-88.48	136.9	-1,024.3	864.3	848.4	15.86	54.492	
4,900.0	4,888.2	4,876.3	4,875.6	11.0	4.5	-88.50	136.6	-1,024.6	864.5	848.6	15.89	54.393	
4,925.0	4,913.2	4,901.7	4,900.9	11.0	4.5	-88.52	136.3	-1,024.8	864.8	848.8	15.93	54.294	
4,950.0	4,938.2	4,926.6	4,925.8	11.1	4.5	-88.54	136.0	-1,025.1	865.0	849.0	15.96	54.194	
4,975.0	4,963.2	4,951.5	4,950.7	11.1	4.6	-88.56	135.7	-1,025.3	865.2	849.2	16.00	54.094	
5,000.0	4,988.2	4,976.4	4,975.6	11.1	4.6	-88.58	135.4	-1,025.6	865.5	849.5	16.03	53.995	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #3H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 7236-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,025.0	5,013.2	5,001.3	5,000.5	11.1	4.6	-88.61	135.1	-1,025.8	865.7	849.7	16.06	53.896	
5,050.0	5,038.2	5,026.2	5,025.4	11.1	4.6	-88.63	134.7	-1,026.1	866.0	849.9	16.10	53.798	
5,075.0	5,063.2	5,051.1	5,050.3	11.2	4.6	-88.65	134.4	-1,026.3	866.2	850.1	16.13	53.700	
5,100.0	5,088.2	5,076.0	5,075.2	11.2	4.6	-88.67	134.1	-1,026.6	866.5	850.3	16.16	53.603	
5,125.0	5,113.2	5,101.0	5,100.1	11.2	4.6	-88.69	133.8	-1,026.9	866.7	850.5	16.20	53.506	
5,150.0	5,138.2	5,126.5	5,125.7	11.2	4.7	-88.72	133.4	-1,027.1	867.0	850.8	16.23	53.411	
5,175.0	5,163.2	5,152.0	5,151.2	11.2	4.7	-88.74	133.0	-1,027.4	867.2	851.0	16.27	53.315	
5,200.0	5,188.2	5,177.5	5,176.7	11.3	4.7	-88.77	132.6	-1,027.6	867.5	851.2	16.30	53.219	
5,225.0	5,213.2	5,203.0	5,202.2	11.3	4.7	-88.80	132.2	-1,027.8	867.7	851.3	16.33	53.122	
5,250.0	5,238.2	5,228.2	5,227.3	11.3	4.7	-88.83	131.8	-1,028.0	867.9	851.5	16.37	53.025	
5,275.0	5,263.2	5,253.4	5,252.5	11.3	4.7	-88.86	131.3	-1,028.2	868.0	851.6	16.40	52.928	
5,300.0	5,288.2	5,278.6	5,277.7	11.3	4.8	-88.89	130.9	-1,028.4	868.2	851.8	16.43	52.832	
5,325.0	5,313.2	5,303.7	5,302.8	11.4	4.8	-88.92	130.4	-1,028.6	868.4	851.9	16.47	52.735	
5,350.0	5,338.2	5,328.5	5,327.6	11.4	4.8	-88.95	130.0	-1,028.8	868.6	852.1	16.50	52.638	
5,375.0	5,363.2	5,353.2	5,352.4	11.4	4.8	-88.98	129.5	-1,029.0	868.8	852.3	16.54	52.541	
5,400.0	5,388.2	5,378.0	5,377.1	11.4	4.8	-89.00	129.1	-1,029.2	869.0	852.4	16.57	52.445	
5,425.0	5,413.2	5,402.8	5,401.9	11.4	4.9	-89.03	128.7	-1,029.4	869.2	852.6	16.60	52.350	
5,450.0	5,438.2	5,427.9	5,427.0	11.4	4.9	-89.06	128.3	-1,029.6	869.4	852.8	16.64	52.255	
5,475.0	5,463.2	5,453.0	5,452.1	11.5	4.9	-89.09	127.8	-1,029.9	869.6	852.9	16.67	52.161	
5,500.0	5,488.2	5,478.1	5,477.2	11.5	4.9	-89.12	127.3	-1,030.1	869.8	853.1	16.71	52.068	
5,525.0	5,513.2	5,503.0	5,502.1	11.5	4.9	-89.16	126.8	-1,030.3	870.0	853.3	16.74	51.975	
5,550.0	5,538.2	5,527.1	5,526.2	11.5	4.9	-89.19	126.2	-1,030.5	870.2	853.4	16.77	51.882	
5,575.0	5,563.2	5,551.2	5,550.3	11.5	5.0	-89.23	125.7	-1,030.7	870.4	853.6	16.81	51.790	
5,600.0	5,588.2	5,575.3	5,574.3	11.6	5.0	-89.26	125.2	-1,031.0	870.7	853.9	16.84	51.701	
5,625.0	5,613.2	5,600.0	5,599.1	11.6	5.0	-89.30	124.7	-1,031.3	871.0	854.1	16.88	51.614	
5,650.0	5,638.2	5,624.1	5,623.2	11.6	5.0	-89.33	124.2	-1,031.6	871.3	854.4	16.91	51.527	
5,675.0	5,663.2	5,648.9	5,647.9	11.6	5.0	-89.37	123.7	-1,031.9	871.6	854.7	16.94	51.441	
5,700.0	5,688.2	5,673.6	5,672.7	11.6	5.1	-89.40	123.1	-1,032.2	872.0	855.0	16.98	51.357	
5,725.0	5,713.2	5,698.4	5,697.5	11.7	5.1	-89.44	122.6	-1,032.6	872.3	855.3	17.01	51.273	
5,750.0	5,738.2	5,723.3	5,722.3	11.7	5.1	-89.47	122.0	-1,032.9	872.6	855.6	17.05	51.189	
5,775.0	5,763.2	5,748.1	5,747.2	11.7	5.1	-89.51	121.5	-1,033.2	873.0	855.9	17.08	51.105	
5,800.0	5,788.2	5,773.0	5,772.0	11.7	5.1	-89.54	121.0	-1,033.6	873.3	856.2	17.12	51.022	
5,825.0	5,813.2	5,797.9	5,796.9	11.7	5.1	-89.57	120.5	-1,033.9	873.6	856.5	17.15	50.940	
5,850.0	5,838.2	5,823.3	5,822.3	11.8	5.2	-89.61	120.0	-1,034.3	874.0	856.8	17.19	50.858	
5,875.0	5,863.2	5,848.9	5,847.9	11.8	5.2	-89.64	119.4	-1,034.6	874.3	857.1	17.22	50.776	
5,900.0	5,888.2	5,874.4	5,873.4	11.8	5.2	-89.68	118.9	-1,035.0	874.6	857.4	17.25	50.693	
5,925.0	5,913.2	5,899.9	5,898.9	11.8	5.2	-89.72	118.3	-1,035.3	874.9	857.6	17.29	50.610	
5,950.0	5,938.2	5,925.2	5,924.1	11.8	5.3	-89.76	117.7	-1,035.6	875.2	857.9	17.32	50.527	
5,975.0	5,963.2	5,950.4	5,949.4	11.9	5.3	-89.80	117.1	-1,035.8	875.5	858.1	17.36	50.444	
6,000.0	5,988.2	5,975.7	5,974.6	11.9	5.3	-89.84	116.5	-1,036.1	875.8	858.4	17.39	50.361	
6,025.0	6,013.2	6,000.9	5,999.9	11.9	5.3	-89.88	115.9	-1,036.4	876.0	858.6	17.42	50.278	
6,050.0	6,038.2	6,025.8	6,024.7	11.9	5.3	-89.92	115.2	-1,036.7	876.3	858.8	17.46	50.195	
6,075.0	6,063.2	6,050.6	6,049.5	11.9	5.4	-89.96	114.6	-1,036.9	876.6	859.1	17.49	50.112	
6,100.0	6,088.2	6,075.5	6,074.4	12.0	5.4	-90.00	113.9	-1,037.2	876.9	859.3	17.53	50.030	
6,125.0	6,113.2	6,100.3	6,099.2	12.0	5.4	-90.05	113.3	-1,037.5	877.1	859.6	17.56	49.948	
6,150.0	6,138.2	6,126.3	6,125.2	12.0	5.4	-90.09	112.6	-1,037.8	877.4	859.8	17.59	49.868	
6,175.0	6,163.2	6,152.4	6,151.3	12.0	5.4	-90.13	112.0	-1,038.0	877.6	860.0	17.63	49.786	
6,200.0	6,188.2	6,178.4	6,177.3	12.0	5.5	-90.17	111.4	-1,038.2	877.8	860.2	17.66	49.702	
6,225.0	6,213.2	6,204.4	6,203.3	12.1	5.5	-90.21	110.8	-1,038.4	878.0	860.3	17.70	49.616	
6,250.0	6,238.2	6,230.2	6,229.0	12.1	5.5	-90.25	110.2	-1,038.6	878.2	860.4	17.73	49.530	
6,275.0	6,263.2	6,255.9	6,254.8	12.1	5.5	-90.28	109.7	-1,038.7	878.3	860.5	17.76	49.443	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #3H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 7236-r.5 MWD

Rule Assigned: **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,288.2	6,281.7	6,280.6	12.1	5.6	-90.32	109.1	-1,038.8	878.4	860.6	17.80	49.354	
6,325.0	6,313.2	6,307.7	6,306.6	12.1	5.6	-90.36	108.6	-1,038.9	878.5	860.7	17.83	49.266	
6,350.0	6,338.2	6,334.3	6,333.2	12.2	5.6	-90.39	108.0	-1,038.9	878.6	860.7	17.87	49.178	
6,375.0	6,363.2	6,360.9	6,359.7	12.2	5.6	-90.43	107.4	-1,038.9	878.6	860.7	17.90	49.087	
6,400.0	6,388.2	6,387.5	6,386.3	12.2	5.6	-90.47	106.8	-1,038.9	878.5	860.6	17.93	48.994	
6,425.0	6,413.2	6,414.0	6,412.8	12.2	5.7	-90.51	106.2	-1,038.8	878.4	860.5	17.96	48.900	
6,450.0	6,438.2	6,440.5	6,439.3	12.2	5.7	-90.55	105.5	-1,038.7	878.3	860.3	18.00	48.806	
6,475.0	6,463.2	6,467.0	6,465.8	12.3	5.7	-90.61	104.7	-1,038.5	878.1	860.1	18.03	48.710	
6,500.0	6,488.2	6,493.5	6,492.3	12.3	5.7	-90.66	103.8	-1,038.2	877.9	859.9	18.06	48.613	
6,525.0	6,513.2	6,517.9	6,516.6	12.3	5.8	-90.72	103.0	-1,038.0	877.7	859.6	18.09	48.513	
6,550.0	6,538.2	6,541.6	6,540.3	12.3	5.8	-90.77	102.2	-1,037.8	877.5	859.4	18.12	48.414	
6,575.0	6,563.2	6,565.3	6,564.1	12.3	5.8	-90.82	101.4	-1,037.6	877.3	859.2	18.16	48.317	
6,600.0	6,588.2	6,589.0	6,587.8	12.4	5.8	-90.86	100.8	-1,037.5	877.2	859.0	18.19	48.222	
6,625.0	6,613.2	6,612.8	6,611.5	12.4	5.8	-90.90	100.1	-1,037.4	877.1	858.9	18.22	48.128	
6,650.0	6,638.2	6,636.6	6,635.3	12.4	5.9	-90.95	99.5	-1,037.4	877.1	858.8	18.26	48.036	
6,674.0	6,662.2	6,659.4	6,658.1	12.4	5.9	-90.98	98.9	-1,037.3	877.1	858.8	18.29	47.950	
6,675.0	6,663.2	6,660.3	6,659.0	12.4	5.9	-90.99	98.9	-1,037.3	877.1	858.8	18.29	47.946	
6,700.0	6,688.2	6,684.1	6,682.8	12.4	5.9	-91.03	98.3	-1,037.3	877.1	858.8	18.33	47.858	
6,725.0	6,713.2	6,708.3	6,707.0	12.5	5.9	-91.07	97.7	-1,037.4	877.1	858.8	18.36	47.773	
6,750.0	6,738.2	6,733.3	6,731.9	12.5	5.9	-91.11	97.1	-1,037.4	877.2	858.8	18.39	47.688	
6,775.0	6,763.2	6,758.3	6,756.9	12.5	6.0	-91.15	96.5	-1,037.5	877.3	858.8	18.43	47.603	
6,800.0	6,788.2	6,783.2	6,781.9	12.5	6.0	-91.18	95.9	-1,037.5	877.3	858.9	18.46	47.518	
6,825.0	6,813.2	6,808.4	6,807.0	12.5	6.0	-91.22	95.3	-1,037.6	877.4	858.9	18.50	47.434	
6,850.0	6,838.2	6,833.9	6,832.5	12.6	6.0	-91.26	94.7	-1,037.6	877.4	858.9	18.53	47.350	
6,875.0	6,863.2	6,859.4	6,858.0	12.6	6.1	-91.30	94.2	-1,037.6	877.5	858.9	18.56	47.265	
6,900.0	6,888.2	6,884.8	6,883.5	12.6	6.1	-91.33	93.6	-1,037.7	877.5	858.9	18.60	47.180	
6,925.0	6,913.2	6,910.1	6,908.7	12.6	6.1	-91.37	93.0	-1,037.7	877.5	858.9	18.63	47.094	
6,950.0	6,938.2	6,934.8	6,933.5	12.6	6.1	-91.40	92.5	-1,037.7	877.5	858.9	18.67	47.008	
6,975.0	6,963.2	6,959.6	6,958.3	12.7	6.2	-91.44	91.9	-1,037.7	877.5	858.8	18.70	46.924	
7,000.0	6,988.2	6,984.4	6,983.1	12.7	6.2	-91.48	91.3	-1,037.7	877.6	858.8	18.74	46.840	
7,025.0	7,013.2	7,009.0	7,007.6	12.7	6.2	-91.52	90.7	-1,037.7	877.6	858.8	18.77	46.756	
7,050.0	7,038.2	7,033.1	7,031.7	12.7	6.2	-91.56	90.1	-1,037.7	877.7	858.9	18.80	46.674	
7,075.0	7,063.2	7,057.2	7,055.8	12.7	6.2	-91.61	89.4	-1,037.8	877.7	858.9	18.84	46.593	
7,100.0	7,088.2	7,081.3	7,079.9	12.8	6.3	-91.65	88.7	-1,037.9	877.8	859.0	18.87	46.512	
7,125.0	7,113.2	7,105.9	7,104.5	12.8	6.3	-91.69	88.0	-1,038.0	878.0	859.0	18.93	46.390	
7,150.0	7,138.2	7,130.5	7,129.1	12.8	6.4	-91.74	87.4	-1,038.1	878.1	859.1	18.98	46.268	
7,175.0	7,163.2	7,155.1	7,153.7	12.8	6.4	-91.78	86.8	-1,038.2	878.3	859.2	19.03	46.147	
7,200.0	7,188.2	7,179.7	7,178.3	12.8	6.5	-91.81	86.2	-1,038.4	878.4	859.3	19.08	46.027	
7,225.0	7,213.2	7,204.3	7,202.9	12.9	6.5	-91.85	85.7	-1,038.5	878.6	859.4	19.14	45.907	
7,250.0	7,238.2	7,228.9	7,227.5	12.9	6.6	-91.88	85.2	-1,038.7	878.8	859.6	19.19	45.788	
7,275.0	7,263.2	7,252.8	7,251.3	12.9	6.6	-91.90	84.8	-1,038.9	879.0	859.7	19.24	45.688	
7,300.0	7,288.2	7,276.3	7,274.8	12.9	6.6	-91.93	84.4	-1,039.1	879.2	859.9	19.28	45.599	
7,325.0	7,313.2	7,299.8	7,298.3	12.9	6.6	-91.95	84.0	-1,039.3	879.5	860.2	19.32	45.511	
7,350.0	7,338.2	7,323.3	7,321.8	13.0	6.7	-91.98	83.6	-1,039.6	879.8	860.5	19.37	45.426	
7,375.0	7,363.2	7,348.0	7,346.5	13.0	6.7	-92.00	83.3	-1,040.0	880.2	860.8	19.41	45.341	
7,400.0	7,388.2	7,373.2	7,371.7	13.0	6.7	-92.03	82.9	-1,040.3	880.5	861.1	19.46	45.256	
7,425.0	7,413.2	7,398.4	7,396.9	13.0	6.8	-92.05	82.5	-1,040.6	880.9	861.4	19.50	45.170	
7,450.0	7,438.2	7,423.6	7,422.1	13.0	6.8	-92.07	82.1	-1,041.0	881.2	861.7	19.55	45.084	
7,475.0	7,463.2	7,448.5	7,446.9	13.0	6.8	-92.09	81.8	-1,041.3	881.6	862.0	19.59	44.998	
7,500.0	7,488.2	7,473.3	7,471.8	13.1	6.9	-92.12	81.4	-1,041.6	881.9	862.3	19.64	44.912	
7,525.0	7,513.2	7,498.1	7,496.6	13.1	6.9	-92.14	81.0	-1,042.0	882.3	862.6	19.68	44.827	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #3H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 7236-r.5 MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,550.0	7,538.2	7,523.0	7,521.5	13.1	6.9	-92.17	80.7	-1,042.3	882.6	862.9	19.73	44.743	
7,575.0	7,563.2	7,547.7	7,546.2	13.1	7.0	-92.20	80.2	-1,042.6	883.0	863.2	19.77	44.659	
7,600.0	7,588.2	7,572.4	7,570.9	13.1	7.0	-92.23	79.6	-1,043.0	883.4	863.5	19.82	44.577	
7,625.0	7,613.2	7,597.1	7,595.6	13.2	7.0	-92.28	78.8	-1,043.3	883.7	863.9	19.86	44.496	
7,650.0	7,638.2	7,620.1	7,618.5	13.2	7.1	-92.33	78.1	-1,043.7	884.1	864.2	19.90	44.423	
7,675.0	7,663.2	7,639.2	7,637.6	13.2	7.1	-92.38	77.3	-1,044.0	884.7	864.7	19.94	44.372	
7,700.0	7,688.2	7,664.1	7,662.4	13.2	7.1	-92.46	76.0	-1,044.6	885.3	865.3	19.97	44.329	
7,725.0	7,713.2	7,701.9	7,700.0	13.2	7.2	-92.70	72.3	-1,045.0	885.6	865.6	20.00	44.282	
7,750.0	7,738.2	7,750.0	7,747.5	13.3	7.3	-93.21	64.4	-1,044.4	885.5	865.5	20.01	44.241	
7,775.0	7,763.2	7,786.8	7,783.2	13.3	7.3	-93.78	55.7	-1,043.0	884.8	864.8	20.03	44.171	
7,800.0	7,788.2	7,803.0	7,798.8	13.3	7.4	-94.07	51.2	-1,042.3	884.2	864.2	20.05	44.093	
7,825.0	7,813.2	7,821.2	7,816.2	13.3	7.4	-94.41	46.0	-1,041.6	883.8	863.7	20.08	44.017	
7,837.5	7,825.7	7,828.0	7,822.8	13.3	7.4	-94.54	44.1	-1,041.4	883.8	863.7	20.09	43.983	
7,850.0	7,838.2	7,835.0	7,829.4	13.3	7.4	-94.67	42.1	-1,041.2	883.8	863.7	20.11	43.951	
7,875.0	7,863.2	7,855.8	7,849.3	13.4	7.5	-95.06	36.0	-1,040.9	884.0	863.9	20.13	43.904	
7,900.0	7,888.2	7,874.0	7,866.6	13.4	7.5	-95.43	30.4	-1,040.6	884.4	864.2	20.16	43.857	
7,925.0	7,913.2	7,889.0	7,880.8	13.4	7.5	-95.75	25.4	-1,040.5	885.0	864.8	20.20	43.814	
7,950.0	7,938.2	7,899.0	7,890.1	13.4	7.6	-95.97	21.9	-1,040.5	886.0	865.7	20.24	43.772	
7,975.0	7,963.2	7,918.6	7,908.3	13.4	7.6	-96.44	14.6	-1,040.6	887.2	867.0	20.28	43.754	
8,000.0	7,988.2	7,931.0	7,919.7	13.5	7.6	-96.75	9.7	-1,040.7	888.8	868.5	20.32	43.733	
8,025.0	8,013.2	7,950.6	7,937.5	13.5	7.7	-97.29	1.4	-1,041.1	890.7	870.3	20.37	43.732	
8,050.0	8,038.2	7,970.1	7,954.7	13.5	7.8	-97.86	-7.6	-1,041.4	892.8	872.4	20.41	43.737	
8,075.0	8,063.2	7,996.2	7,977.1	13.5	7.9	-98.72	-21.1	-1,041.4	895.1	874.6	20.46	43.751	
8,100.0	8,088.2	8,019.2	7,995.8	13.5	8.0	-99.57	-34.5	-1,041.1	897.5	876.9	20.52	43.741	
8,125.0	8,113.2	8,038.8	8,010.9	13.6	8.1	-100.36	-46.9	-1,040.5	900.0	879.5	20.58	43.723	
8,150.0	8,138.2	8,056.0	8,023.7	13.6	8.1	-101.10	-58.5	-1,039.8	902.9	882.3	20.66	43.706	
8,175.0	8,163.2	8,069.5	8,033.2	13.6	8.2	-101.70	-68.0	-1,039.2	906.2	885.4	20.75	43.680	
8,200.0	8,188.2	8,081.7	8,041.5	13.6	8.2	-102.26	-76.9	-1,038.5	909.9	889.0	20.84	43.661	
8,225.0	8,213.2	8,089.0	8,046.3	13.6	8.3	-102.61	-82.3	-1,038.2	914.0	893.1	20.94	43.648	
8,250.0	8,238.2	8,103.5	8,055.7	13.7	8.3	-103.31	-93.4	-1,037.4	918.7	897.6	21.05	43.633	
8,275.0	8,263.2	8,113.5	8,061.9	13.7	8.3	-103.80	-101.2	-1,036.8	923.7	902.6	21.17	43.632 SF	
8,300.0	8,288.2	8,123.9	8,068.2	13.7	8.4	-104.32	-109.5	-1,036.2	929.3	908.0	21.30	43.638	
8,325.0	8,313.2	8,137.5	8,076.1	13.7	8.4	-105.00	-120.4	-1,035.4	935.3	913.9	21.43	43.645	
8,350.0	8,338.2	8,150.1	8,083.3	13.7	8.4	-105.65	-130.8	-1,034.5	941.8	920.2	21.57	43.660	
8,375.0	8,363.2	8,163.7	8,090.8	13.8	8.5	-106.35	-142.1	-1,033.5	948.6	926.9	21.72	43.674	
8,400.0	8,388.2	8,176.8	8,097.7	13.8	8.5	-107.03	-153.2	-1,032.4	955.9	934.1	21.88	43.696	
8,425.0	8,413.2	8,184.0	8,101.4	13.8	8.6	-107.42	-159.3	-1,031.7	963.6	941.6	22.03	43.735	
8,450.0	8,438.2	8,193.8	8,106.2	13.8	8.6	-107.94	-167.8	-1,030.8	971.8	949.6	22.20	43.772	
8,475.0	8,463.2	8,200.2	8,109.3	13.8	8.6	-108.28	-173.4	-1,030.1	980.5	958.1	22.37	43.829	
8,500.0	8,488.2	8,206.2	8,112.1	13.9	8.6	-108.61	-178.7	-1,029.5	989.7	967.1	22.54	43.901	
8,525.0	8,513.2	8,216.0	8,116.4	13.9	8.7	-109.15	-187.4	-1,028.5	999.3	976.6	22.72	43.979	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-34.18	502.8	-341.4	607.9				
25.0	25.0	14.3	14.3	0.5	3.0	-34.18	502.8	-341.4	607.7				
50.0	50.0	39.9	39.9	0.5	3.0	-34.19	502.7	-341.5	607.7	603.0	4.73	128.616	
75.0	75.0	65.6	65.6	0.5	3.0	-34.21	502.5	-341.6	607.7	602.9	4.73	128.603	
100.0	100.0	91.2	91.2	0.5	3.0	-34.24	502.3	-341.8	607.6	602.9	4.73	128.583	
125.0	125.0	115.3	115.3	0.6	3.0	-34.27	502.0	-342.1	607.5	602.7	4.76	127.658	
150.0	150.0	139.4	139.4	0.8	3.0	-34.31	501.8	-342.4	607.5	602.7	4.80	126.570	
175.0	175.0	164.7	164.7	0.9	3.0	-34.36	501.4	-342.8	607.4	602.6	4.85	125.324	
200.0	200.0	191.2	191.2	1.0	3.0	-34.42	501.1	-343.3	607.4	602.5	4.90	123.924	
225.0	225.0	217.7	217.7	1.1	3.0	-34.47	500.6	-343.7	607.3	602.3	4.94	122.902	
250.0	250.0	243.0	242.9	1.2	3.0	-34.52	500.2	-344.0	607.1	602.1	4.98	121.820	
275.0	275.0	267.5	267.5	1.3	3.0	-34.56	499.8	-344.2	606.9	601.9	5.03	120.691	
300.0	300.0	293.7	293.7	1.4	3.0	-34.59	499.5	-344.4	606.8	601.7	5.08	119.516	
325.0	325.0	320.0	320.0	1.4	3.0	-34.62	499.1	-344.6	606.5	601.4	5.12	118.503	
350.0	350.0	348.4	348.4	1.5	3.0	-34.65	498.6	-344.7	606.2	601.1	5.16	117.445	
375.0	375.0	373.7	373.7	1.6	3.0	-34.68	498.1	-344.7	605.8	600.6	5.21	116.346	
400.0	400.0	397.0	397.0	1.6	3.0	-34.71	497.7	-344.7	605.5	600.2	5.25	115.235	
425.0	425.0	420.9	420.8	1.7	3.0	-34.73	497.3	-344.7	605.1	599.9	5.30	114.249	
450.0	450.0	445.6	445.5	1.8	3.0	-34.76	496.9	-344.8	604.9	599.5	5.34	113.258	
475.0	475.0	470.9	470.8	1.8	3.0	-34.80	496.5	-345.0	604.6	599.2	5.39	112.261	
500.0	500.0	496.1	496.0	1.9	3.0	-34.84	496.0	-345.2	604.3	598.9	5.43	111.254	
525.0	525.0	518.0	517.9	1.9	3.1	-34.87	495.6	-345.3	604.1	598.6	5.47	110.347	
550.0	550.0	541.5	541.4	2.0	3.1	-34.91	495.2	-345.7	603.9	598.4	5.52	109.466	
575.0	575.0	566.1	566.1	2.1	3.1	-34.97	494.8	-346.1	603.8	598.3	5.56	108.589	
600.0	600.0	590.7	590.6	2.1	3.1	-35.02	494.5	-346.5	603.8	598.2	5.61	107.713	
619.3	619.3	608.3	608.2	2.1	3.1	-35.05	494.2	-346.7	603.7	598.1	5.64	107.096	
625.0	625.0	613.1	613.0	2.2	3.1	-35.06	494.2	-346.8	603.7	598.1	5.65	106.916	
650.0	650.0	635.8	635.7	2.2	3.1	-35.10	494.0	-347.2	603.8	598.1	5.69	106.150	
675.0	675.0	661.0	660.9	2.3	3.1	-35.15	493.8	-347.7	604.0	598.2	5.73	105.388	
700.0	700.0	686.7	686.6	2.3	3.1	-35.20	493.6	-348.2	604.1	598.3	5.77	104.616	
725.0	725.0	712.4	712.3	2.4	3.1	-35.26	493.3	-348.8	604.2	598.3	5.82	103.886	
750.0	750.0	736.1	736.0	2.4	3.1	-35.31	493.1	-349.2	604.2	598.4	5.86	103.158	
775.0	775.0	758.6	758.5	2.5	3.1	-35.36	492.9	-349.8	604.4	598.5	5.90	102.457	
800.0	800.0	784.0	783.9	2.5	3.1	-35.44	492.6	-350.6	604.6	598.7	5.94	101.758	
825.0	825.0	809.6	809.5	2.6	3.1	-35.52	492.3	-351.4	604.8	598.8	5.98	101.090	
850.0	850.0	833.4	833.2	2.6	3.1	-35.59	492.0	-352.1	605.0	599.0	6.02	100.428	
875.0	875.0	855.6	855.4	2.6	3.2	-35.66	491.8	-352.9	605.3	599.3	6.07	99.792	
900.0	900.0	881.1	880.9	2.7	3.2	-35.76	491.5	-353.9	605.7	599.6	6.11	99.158	
925.0	925.0	907.7	907.5	2.7	3.2	-35.87	491.0	-355.0	606.0	599.8	6.15	98.538	
950.0	950.0	934.9	934.7	2.8	3.2	-35.97	490.6	-356.0	606.2	600.0	6.19	97.916	
975.0	975.0	976.3	976.0	2.8	3.2	-36.10	489.6	-357.0	606.1	599.9	6.24	97.203	
1,000.0	1,000.0	1,004.6	1,004.3	2.9	3.2	-36.16	488.7	-357.2	605.5	599.3	6.28	96.434	
1,025.0	1,025.0	1,030.2	1,029.9	2.9	3.2	-36.22	487.8	-357.3	604.9	598.6	6.32	95.680	
1,050.0	1,050.0	1,054.8	1,054.5	3.0	3.2	-36.27	487.0	-357.3	604.2	597.9	6.37	94.929	
1,075.0	1,075.0	1,077.8	1,077.4	3.0	3.2	-36.30	486.3	-357.3	603.6	597.2	6.41	94.192	
1,100.0	1,100.0	1,102.0	1,101.7	3.0	3.3	-36.35	485.6	-357.4	603.1	596.6	6.45	93.470	
1,125.0	1,125.0	1,129.5	1,129.1	3.1	3.3	-36.42	484.7	-357.6	602.5	596.0	6.50	92.761	
1,150.0	1,150.0	1,155.0	1,154.6	3.1	3.3	-36.48	483.8	-357.7	601.9	595.3	6.54	92.048	
1,175.0	1,175.0	1,179.3	1,178.9	3.2	3.3	-36.53	483.0	-357.7	601.2	594.6	6.58	91.341	
1,200.0	1,200.0	1,202.9	1,202.5	3.2	3.3	-36.58	482.2	-357.8	600.6	594.0	6.63	90.649	
1,225.0	1,225.0	1,228.2	1,227.7	3.2	3.3	-36.64	481.4	-358.0	600.0	593.4	6.67	89.975	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,250.0	1,250.0	1,250.0	1,249.6	3.3	3.3	-36.67	480.9	-358.0	599.6	592.9	6.71	89.329	
1,275.0	1,275.0	1,266.7	1,266.3	3.3	3.3	-36.67	480.7	-358.0	599.4	592.6	6.75	88.747	
1,286.6	1,286.6	1,275.9	1,275.4	3.3	3.3	-36.67	480.7	-358.0	599.3	592.6	6.77	88.489	
1,300.0	1,300.0	1,288.4	1,288.0	3.4	3.3	-36.67	480.7	-357.9	599.4	592.6	6.79	88.207	
1,325.0	1,325.0	1,312.8	1,312.4	3.4	3.3	-36.66	480.8	-357.9	599.4	592.6	6.83	87.708	
1,350.0	1,350.0	1,338.8	1,338.4	3.4	3.3	-36.66	480.9	-358.0	599.5	592.6	6.87	87.201	
1,375.0	1,375.0	1,364.0	1,363.5	3.5	3.3	-36.66	480.9	-357.9	599.5	592.6	6.92	86.673	
1,400.0	1,400.0	1,389.3	1,388.8	3.5	3.3	-36.66	480.9	-357.9	599.5	592.5	6.96	86.148	
1,425.0	1,425.0	1,414.7	1,414.3	3.6	3.3	-36.66	480.9	-357.9	599.5	592.5	7.00	85.631	
1,450.0	1,450.0	1,440.1	1,439.6	3.6	3.4	-36.67	480.8	-358.0	599.5	592.4	7.04	85.117	
1,475.0	1,475.0	1,466.0	1,465.6	3.6	3.4	-36.68	480.7	-358.1	599.4	592.3	7.09	84.596	
1,500.0	1,500.0	1,490.7	1,490.2	3.7	3.4	-36.69	480.6	-358.1	599.3	592.2	7.13	84.069	
1,525.0	1,525.0	1,515.2	1,514.7	3.7	3.4	-36.69	480.6	-358.0	599.3	592.1	7.17	83.559	
1,550.0	1,550.0	1,542.6	1,542.2	3.8	3.4	-36.65	480.8	-357.7	599.2	592.0	7.22	83.051	
1,575.0	1,575.0	1,571.0	1,570.5	3.8	3.4	-36.57	481.1	-356.9	599.0	591.8	7.26	82.522	
1,600.0	1,600.0	1,596.8	1,596.3	3.8	3.4	-36.49	481.3	-356.0	598.7	591.4	7.30	81.988	
1,625.0	1,625.0	1,620.7	1,620.2	3.9	3.4	-36.41	481.6	-355.2	598.4	591.1	7.35	81.472	
1,650.0	1,650.0	1,645.1	1,644.6	3.9	3.4	-36.32	481.9	-354.3	598.2	590.8	7.39	80.966	
1,675.0	1,675.0	1,669.2	1,668.6	3.9	3.4	-36.24	482.3	-353.5	598.0	590.5	7.43	80.469	
1,700.0	1,700.0	1,695.7	1,695.2	4.0	3.4	-36.15	482.6	-352.6	597.7	590.3	7.47	79.970	
1,725.0	1,725.0	1,719.0	1,718.5	4.0	3.4	-36.08	482.9	-351.8	597.5	590.0	7.52	79.488	
1,750.0	1,750.0	1,743.2	1,742.6	4.1	3.4	-36.00	483.3	-351.1	597.3	589.8	7.56	79.019	
1,775.0	1,775.0	1,768.4	1,767.8	4.1	3.4	-35.92	483.6	-350.3	597.2	589.6	7.60	78.552	
1,800.0	1,800.0	1,795.1	1,794.5	4.1	3.4	-35.84	483.9	-349.6	597.0	589.3	7.65	78.078	
1,825.0	1,825.0	1,818.2	1,817.6	4.2	3.4	-35.78	484.1	-348.9	596.8	589.1	7.69	77.622	
1,850.0	1,850.0	1,843.5	1,842.9	4.2	3.4	-35.72	484.4	-348.3	596.6	588.9	7.73	77.174	
1,875.0	1,875.0	1,869.3	1,868.7	4.2	3.4	-35.66	484.6	-347.7	596.4	588.7	7.77	76.720	
1,900.0	1,900.0	1,893.4	1,892.8	4.3	3.4	-35.61	484.7	-347.2	596.3	588.4	7.82	76.274	
1,925.0	1,925.0	1,918.1	1,917.4	4.3	3.4	-35.56	484.9	-346.7	596.1	588.2	7.86	75.841	
1,950.0	1,950.0	1,947.5	1,946.9	4.3	3.4	-35.50	485.1	-346.0	595.9	588.0	7.90	75.389	
1,975.0	1,975.0	1,973.1	1,972.4	4.4	3.4	-35.43	485.2	-345.2	595.5	587.6	7.95	74.926	
2,000.0	2,000.0	2,003.2	2,002.5	4.4	3.4	-35.36	485.2	-344.3	595.1	587.1	7.99	74.439	
2,025.0	2,025.0	2,033.2	2,032.5	4.4	3.4	19.35	485.2	-342.9	594.3	586.3	8.05	73.808	
2,050.0	2,050.0	2,065.4	2,064.6	4.5	3.4	19.53	485.1	-341.0	593.1	585.0	8.12	73.057	
2,075.0	2,075.0	2,103.9	2,103.0	4.5	3.4	19.84	485.0	-337.5	591.2	583.0	8.19	72.162	
2,100.0	2,100.0	2,132.3	2,131.1	4.6	3.4	20.14	484.9	-334.2	588.7	580.5	8.27	71.160	
2,125.0	2,125.0	2,156.9	2,155.6	4.6	3.4	20.43	484.8	-331.2	586.0	577.7	8.36	70.099	
2,150.0	2,149.9	2,180.2	2,178.7	4.7	3.4	20.72	484.7	-328.4	583.2	574.7	8.45	69.029	
2,175.0	2,174.9	2,206.0	2,204.4	4.7	3.5	21.04	484.7	-325.3	580.1	571.6	8.54	67.948	
2,200.0	2,199.8	2,233.8	2,231.9	4.8	3.5	21.41	484.5	-321.9	576.8	568.2	8.63	66.846	
2,225.0	2,224.8	2,261.6	2,259.5	4.8	3.5	21.82	484.4	-318.2	573.2	564.4	8.72	65.729	
2,250.0	2,249.7	2,288.0	2,285.6	4.9	3.5	22.24	484.3	-314.4	569.2	560.4	8.81	64.596	
2,275.0	2,274.6	2,316.3	2,313.6	5.0	3.5	22.72	484.0	-310.3	565.0	556.1	8.90	63.453	
2,300.0	2,299.5	2,344.6	2,341.6	5.0	3.5	23.23	483.7	-306.0	560.4	551.4	9.00	62.287	
2,325.0	2,324.3	2,373.8	2,370.5	5.1	3.5	23.80	483.2	-301.3	555.4	546.4	9.09	61.105	
2,350.0	2,349.1	2,399.2	2,395.4	5.2	3.5	24.33	482.7	-297.0	550.2	541.0	9.19	59.900	
2,375.0	2,373.9	2,423.5	2,419.4	5.2	3.5	24.87	482.2	-292.9	544.7	535.5	9.28	58.693	
2,400.1	2,398.8	2,446.8	2,442.3	5.3	3.6	25.41	481.8	-288.9	539.1	529.8	9.38	57.492	
2,425.0	2,423.5	2,467.8	2,463.0	5.4	3.6	25.84	481.3	-285.6	533.6	524.1	9.46	56.429	
2,450.0	2,448.2	2,489.9	2,485.0	5.4	3.6	26.26	480.7	-282.5	528.2	518.6	9.53	55.400	
2,475.0	2,473.0	2,511.6	2,506.4	5.5	3.6	26.65	480.1	-279.7	522.9	513.2	9.61	54.399	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,500.0	2,497.7	2,532.8	2,527.5	5.6	3.6	27.03	479.6	-277.0	517.7	508.0	9.69	53.433	
2,525.0	2,522.5	2,554.8	2,549.3	5.6	3.6	27.42	479.1	-274.4	512.7	503.0	9.77	52.476	
2,550.0	2,547.2	2,576.4	2,570.7	5.7	3.6	27.81	478.6	-271.9	507.9	498.0	9.85	51.551	
2,575.0	2,572.0	2,598.9	2,593.2	5.7	3.6	28.22	478.2	-269.4	503.2	493.2	9.93	50.657	
2,600.0	2,596.8	2,621.2	2,615.3	5.8	3.6	28.62	477.9	-267.1	498.6	488.6	10.01	49.790	
2,625.0	2,621.5	2,642.6	2,636.6	5.9	3.7	29.01	477.7	-264.8	494.1	484.0	10.10	48.933	
2,650.0	2,646.3	2,665.5	2,659.3	6.0	3.7	29.44	477.5	-262.4	489.8	479.6	10.18	48.109	
2,675.0	2,671.0	2,690.3	2,684.0	6.0	3.7	29.91	477.4	-259.9	485.6	475.3	10.26	47.310	
2,700.0	2,695.8	2,714.1	2,707.7	6.1	3.7	30.36	477.2	-257.5	481.3	471.0	10.35	46.524	
2,725.0	2,720.5	2,738.3	2,731.8	6.2	3.7	30.83	477.1	-255.0	477.2	466.7	10.43	45.747	
2,750.0	2,745.3	2,762.8	2,756.1	6.2	3.7	31.32	477.0	-252.5	473.0	462.5	10.51	44.985	
2,775.0	2,770.1	2,787.2	2,780.5	6.3	3.7	31.80	476.8	-250.1	468.9	458.3	10.60	44.243	
2,800.0	2,794.8	2,812.4	2,805.5	6.4	3.8	32.32	476.6	-247.5	464.8	454.1	10.68	43.517	
2,825.0	2,819.6	2,837.5	2,830.4	6.5	3.8	32.86	476.5	-244.8	460.7	449.9	10.77	42.794	
2,850.0	2,844.3	2,862.4	2,855.1	6.5	3.8	33.43	476.3	-241.9	456.6	445.7	10.85	42.087	
2,875.0	2,869.1	2,886.3	2,878.9	6.6	3.8	34.02	476.3	-239.0	452.5	441.6	10.93	41.397	
2,900.0	2,893.8	2,909.5	2,901.9	6.7	3.8	34.61	476.3	-236.0	448.5	437.5	11.01	40.726	
2,925.0	2,918.6	2,932.6	2,924.8	6.8	3.8	35.20	476.4	-233.1	444.6	433.5	11.10	40.072	
2,950.0	2,943.3	2,956.9	2,948.9	6.9	3.8	35.83	476.5	-230.1	440.8	429.7	11.18	39.444	
2,975.0	2,968.1	2,982.9	2,974.7	7.0	3.9	36.53	476.5	-226.8	437.0	425.8	11.25	38.834	
3,000.0	2,992.9	3,007.0	2,998.6	7.0	3.9	37.19	476.6	-223.6	433.2	421.9	11.33	38.233	
3,025.0	3,017.6	3,031.0	3,022.4	7.1	3.9	37.86	476.6	-220.5	429.5	418.1	11.41	37.645	
3,050.0	3,042.4	3,055.4	3,046.6	7.2	3.9	38.55	476.7	-217.3	425.9	414.4	11.49	37.076	
3,075.0	3,067.1	3,079.5	3,070.5	7.3	3.9	39.25	476.7	-214.2	422.3	410.7	11.56	36.525	
3,100.0	3,091.9	3,103.8	3,094.6	7.4	3.9	39.96	476.7	-211.1	418.8	407.1	11.63	35.992	
3,125.0	3,116.6	3,127.7	3,118.3	7.5	4.0	40.66	476.7	-208.1	415.3	403.6	11.71	35.470	
3,150.0	3,141.4	3,152.3	3,142.7	7.6	4.0	41.38	476.7	-205.0	411.9	400.1	11.78	34.969	
3,175.0	3,166.2	3,177.9	3,168.1	7.6	4.0	42.15	476.7	-201.8	408.5	396.7	11.85	34.484	
3,200.0	3,190.9	3,203.5	3,193.5	7.7	4.0	42.93	476.5	-198.6	405.1	393.2	11.91	34.010	
3,212.6	3,203.4	3,217.2	3,207.1	7.8	4.0	43.35	476.4	-196.9	403.4	391.5	11.93	33.812	
3,225.0	3,215.7	3,230.6	3,220.4	7.8	4.0	43.76	476.2	-195.2	401.7	389.7	11.96	33.576	
3,250.0	3,240.4	3,257.5	3,247.1	7.9	4.0	44.57	475.7	-191.7	398.2	386.2	12.03	33.102	
3,275.0	3,265.2	3,282.7	3,272.0	8.0	4.1	45.33	475.2	-188.5	394.8	382.7	12.10	32.634	
3,300.0	3,290.0	3,307.5	3,296.7	8.1	4.1	46.09	474.6	-185.2	391.4	379.3	12.16	32.182	
3,325.0	3,314.8	3,331.7	3,320.6	8.2	4.1	46.83	474.0	-182.0	388.2	376.0	12.22	31.766	
3,350.0	3,339.7	3,355.5	3,344.2	8.3	4.1	47.56	473.4	-178.9	385.1	372.9	12.28	31.369	
3,375.0	3,364.5	3,378.9	3,367.4	8.4	4.1	48.29	472.9	-175.8	382.3	369.9	12.33	30.995	
3,400.0	3,389.4	3,403.6	3,391.8	8.4	4.2	49.04	472.4	-172.6	379.6	367.2	12.39	30.648	
3,425.0	3,414.2	3,429.1	3,417.1	8.5	4.2	49.82	471.7	-169.3	376.9	364.5	12.43	30.321	
3,450.0	3,439.1	3,452.3	3,440.2	8.6	4.2	50.52	471.2	-166.3	374.5	362.0	12.48	29.999	
3,475.0	3,464.0	3,476.9	3,464.6	8.7	4.2	51.26	470.6	-163.2	372.2	359.6	12.53	29.704	
3,500.0	3,488.9	3,501.4	3,488.9	8.8	4.2	51.97	470.0	-160.2	370.0	357.4	12.57	29.421	
3,525.0	3,513.8	3,525.0	3,512.3	8.9	4.3	52.65	469.5	-157.3	367.9	355.3	12.62	29.157	
3,550.0	3,538.7	3,548.7	3,535.8	9.0	4.3	53.32	469.1	-154.4	366.1	353.4	12.66	28.911	
3,575.0	3,563.6	3,573.8	3,560.7	9.1	4.3	54.01	468.6	-151.5	364.4	351.7	12.70	28.685	
3,600.0	3,588.5	3,597.4	3,584.1	9.1	4.3	54.65	468.1	-148.8	362.8	350.0	12.75	28.463	
3,625.0	3,613.5	3,623.0	3,609.6	9.2	4.3	55.34	467.6	-145.8	361.3	348.5	12.78	28.271	
3,650.0	3,638.4	3,647.0	3,633.4	9.3	4.4	55.98	467.1	-143.0	359.9	347.1	12.82	28.080	
3,675.0	3,663.4	3,671.7	3,657.9	9.4	4.4	56.63	466.7	-140.2	358.7	345.8	12.85	27.905	
3,700.0	3,688.3	3,696.5	3,682.5	9.5	4.4	57.26	466.2	-137.3	357.5	344.6	12.89	27.740	
3,725.0	3,713.3	3,720.8	3,706.7	9.5	4.4	57.89	465.7	-134.5	356.5	343.5	12.92	27.590	

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

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Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,750.0	3,738.3	3,745.2	3,730.9	9.6	4.4	58.50	465.2	-131.6	355.5	342.6	12.95	27.450	
3,775.0	3,763.3	3,769.3	3,754.9	9.7	4.5	59.09	464.8	-128.8	354.8	341.8	12.98	27.321	
3,800.0	3,788.2	3,793.1	3,778.5	9.8	4.5	59.67	464.4	-126.1	354.1	341.1	13.02	27.203	
3,825.0	3,813.2	3,816.6	3,801.8	9.9	4.5	60.21	464.2	-123.4	353.6	340.6	13.05	27.103	
3,850.0	3,838.2	3,840.7	3,825.8	9.9	4.5	60.76	463.9	-120.6	353.3	340.2	13.08	27.019	
3,875.0	3,863.2	3,865.0	3,849.9	10.0	4.6	61.31	463.7	-117.8	353.1	340.0	13.10	26.946	
3,898.5	3,886.7	3,887.6	3,872.3	10.1	4.6	61.81	463.6	-115.1	353.1	339.9	13.13	26.885 CC	
3,900.0	3,888.2	3,889.0	3,873.7	10.1	4.6	61.84	463.6	-114.9	353.1	339.9	13.13	26.881 ES	
3,925.0	3,913.2	3,913.1	3,897.6	10.1	4.6	62.37	463.5	-112.1	353.1	340.0	13.16	26.840	
3,950.0	3,938.2	3,938.7	3,923.1	10.2	4.6	62.91	463.4	-109.0	353.3	340.1	13.18	26.810	
3,975.0	3,963.2	3,964.0	3,948.2	10.2	4.6	63.42	463.2	-106.1	353.5	340.3	13.20	26.776	
4,000.0	3,988.2	3,988.8	3,972.8	10.3	4.7	63.92	463.0	-103.1	353.7	340.5	13.22	26.747	
4,012.8	4,001.0	4,001.8	3,985.8	10.3	4.7	9.58	462.9	-101.5	353.9	340.6	13.22	26.767	
4,025.0	4,013.2	4,014.4	3,998.3	10.3	4.7	9.83	462.8	-100.0	354.0	340.8	13.23	26.762	
4,050.0	4,038.2	4,039.8	4,023.5	10.3	4.7	10.32	462.5	-96.9	354.3	341.0	13.24	26.748	
4,075.0	4,063.2	4,064.3	4,047.8	10.4	4.7	10.79	462.2	-94.0	354.5	341.3	13.26	26.729	
4,100.0	4,088.2	4,089.2	4,072.5	10.4	4.8	11.26	462.0	-91.1	354.9	341.6	13.28	26.715	
4,125.0	4,113.2	4,114.6	4,097.8	10.4	4.8	11.73	461.7	-88.2	355.2	341.9	13.30	26.711	
4,150.0	4,138.2	4,140.3	4,123.2	10.4	4.8	12.20	461.4	-85.3	355.5	342.1	13.31	26.704	
4,175.0	4,163.2	4,165.5	4,148.3	10.4	4.8	12.65	461.1	-82.5	355.7	342.4	13.33	26.692	
4,200.0	4,188.2	4,190.2	4,172.8	10.5	4.8	13.10	460.7	-79.7	356.0	342.7	13.34	26.679	
4,225.0	4,213.2	4,214.4	4,196.9	10.5	4.9	13.53	460.4	-77.1	356.3	343.0	13.36	26.667	
4,250.0	4,238.2	4,239.0	4,221.4	10.5	4.9	13.95	460.1	-74.4	356.7	343.3	13.38	26.659	
4,275.0	4,263.2	4,264.0	4,246.2	10.5	4.9	14.36	459.9	-71.8	357.1	343.7	13.40	26.650	
4,300.0	4,288.2	4,290.5	4,272.6	10.5	4.9	14.78	459.7	-69.2	357.5	344.1	13.42	26.641	
4,325.0	4,313.2	4,316.3	4,298.3	10.6	5.0	15.18	459.3	-66.7	357.8	344.3	13.44	26.620	
4,350.0	4,338.2	4,340.4	4,322.2	10.6	5.0	15.55	458.9	-64.4	358.1	344.6	13.46	26.596	
4,375.0	4,363.2	4,365.3	4,347.0	10.6	5.0	15.92	458.7	-62.1	358.4	345.0	13.49	26.577	
4,400.0	4,388.2	4,390.4	4,372.1	10.6	5.0	16.29	458.3	-59.8	358.8	345.3	13.51	26.557	
4,425.0	4,413.2	4,415.5	4,397.0	10.6	5.1	16.65	458.0	-57.5	359.1	345.6	13.53	26.536	
4,450.0	4,438.2	4,439.8	4,421.2	10.7	5.1	17.00	457.7	-55.3	359.5	345.9	13.56	26.513	
4,475.0	4,463.2	4,464.8	4,446.1	10.7	5.1	17.36	457.5	-53.0	359.9	346.4	13.58	26.496	
4,500.0	4,488.2	4,490.3	4,471.5	10.7	5.1	17.73	457.2	-50.7	360.3	346.7	13.61	26.476	
4,525.0	4,513.2	4,514.8	4,496.0	10.7	5.2	18.07	456.9	-48.5	360.7	347.1	13.64	26.453	
4,550.0	4,538.2	4,540.0	4,521.0	10.7	5.2	18.42	456.6	-46.3	361.2	347.5	13.66	26.434	
4,575.0	4,563.2	4,565.1	4,546.0	10.8	5.2	18.77	456.3	-44.1	361.6	347.9	13.69	26.412	
4,600.0	4,588.2	4,589.4	4,570.3	10.8	5.2	19.12	456.0	-41.8	362.0	348.3	13.72	26.392	
4,625.0	4,613.2	4,614.7	4,595.4	10.8	5.3	19.48	455.7	-39.5	362.5	348.8	13.74	26.375	
4,650.0	4,638.2	4,639.1	4,619.7	10.8	5.3	19.83	455.4	-37.3	363.0	349.2	13.77	26.354	
4,675.0	4,663.2	4,664.5	4,645.0	10.8	5.3	20.18	455.1	-35.0	363.5	349.7	13.80	26.339	
4,700.0	4,688.2	4,689.9	4,670.3	10.9	5.3	20.53	454.8	-32.8	363.9	350.1	13.83	26.317	
4,725.0	4,713.2	4,714.5	4,694.8	10.9	5.4	20.86	454.5	-30.7	364.4	350.6	13.86	26.295	
4,750.0	4,738.2	4,739.1	4,719.3	10.9	5.4	21.19	454.2	-28.5	364.9	351.0	13.89	26.275	
4,775.0	4,763.2	4,763.2	4,743.3	10.9	5.4	21.51	453.9	-26.4	365.5	351.6	13.92	26.257	
4,800.0	4,788.2	4,788.0	4,768.1	10.9	5.4	21.84	453.7	-24.2	366.1	352.2	13.95	26.245	
4,825.0	4,813.2	4,813.5	4,793.5	11.0	5.5	22.17	453.5	-22.0	366.7	352.7	13.98	26.229	
4,850.0	4,838.2	4,837.9	4,817.7	11.0	5.5	22.50	453.2	-19.9	367.3	353.3	14.01	26.213	
4,875.0	4,863.2	4,862.6	4,842.3	11.0	5.5	22.88	452.9	-17.4	368.0	354.0	14.04	26.203	
4,900.0	4,888.2	4,887.5	4,867.0	11.0	5.5	23.28	452.5	-14.7	368.7	354.6	14.07	26.194	
4,925.0	4,913.2	4,912.2	4,891.6	11.0	5.6	23.69	452.1	-12.0	369.4	355.3	14.10	26.187	
4,950.0	4,938.2	4,937.1	4,916.3	11.1	5.6	24.11	451.6	-9.3	370.1	355.9	14.14	26.179	

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4,975.0	4,963.2	4,961.6	4,940.7	11.1	5.6	24.51	451.3	-6.6	370.8	356.7	14.17	26.173	
5,000.0	4,988.2	4,987.7	4,966.6	11.1	5.6	24.92	450.8	-3.9	371.6	357.4	14.20	26.166	
5,025.0	5,013.2	5,013.6	4,992.4	11.1	5.7	25.33	450.3	-1.2	372.2	358.0	14.23	26.152	
5,050.0	5,038.2	5,038.4	5,017.1	11.1	5.7	25.73	449.8	1.4	372.9	358.6	14.27	26.137	
5,075.0	5,063.2	5,063.6	5,042.1	11.2	5.7	26.13	449.3	4.1	373.6	359.3	14.30	26.121	
5,100.0	5,088.2	5,088.5	5,066.9	11.2	5.7	26.52	448.7	6.6	374.2	359.9	14.34	26.104	
5,125.0	5,113.2	5,113.5	5,091.7	11.2	5.8	26.90	448.2	9.2	374.9	360.6	14.37	26.089	
5,150.0	5,138.2	5,138.4	5,116.6	11.2	5.8	27.28	447.7	11.7	375.6	361.2	14.41	26.072	
5,175.0	5,163.2	5,163.6	5,141.6	11.2	5.8	27.66	447.2	14.2	376.3	361.9	14.44	26.055	
5,200.0	5,188.2	5,189.9	5,167.7	11.3	5.8	28.04	446.7	16.7	377.0	362.5	14.48	26.034	
5,225.0	5,213.2	5,215.4	5,193.1	11.3	5.9	28.40	446.0	19.2	377.6	363.1	14.52	26.008	
5,250.0	5,238.2	5,240.1	5,217.7	11.3	5.9	28.75	445.5	21.5	378.2	363.6	14.56	25.983	
5,275.0	5,263.2	5,264.8	5,242.3	11.3	5.9	29.08	445.0	23.7	378.8	364.2	14.59	25.958	
5,300.0	5,288.2	5,290.4	5,267.9	11.3	6.0	29.42	444.5	25.9	379.5	364.8	14.63	25.933	
5,325.0	5,313.2	5,311.1	5,288.4	11.4	6.0	29.69	444.1	27.8	380.2	365.5	14.67	25.912 SF	
5,350.0	5,338.2	5,328.8	5,306.1	11.4	6.0	29.95	443.9	29.7	381.3	366.6	14.71	25.923	
5,375.0	5,363.2	5,350.0	5,327.0	11.4	6.0	30.29	443.9	32.3	382.9	368.1	14.75	25.960	
5,400.0	5,388.2	5,371.9	5,348.7	11.4	6.0	30.66	444.0	35.2	384.7	369.9	14.79	26.012	
5,425.0	5,413.2	5,397.9	5,374.6	11.4	6.1	31.09	444.2	38.7	386.5	371.7	14.83	26.063	
5,450.0	5,438.2	5,421.6	5,398.0	11.4	6.1	31.47	444.3	41.8	388.3	373.5	14.87	26.113	
5,475.0	5,463.2	5,447.4	5,423.6	11.5	6.1	31.89	444.4	45.2	390.2	375.3	14.91	26.163	
5,500.0	5,488.2	5,472.2	5,448.2	11.5	6.2	32.29	444.5	48.4	392.0	377.1	14.96	26.211	
5,525.0	5,513.2	5,496.9	5,472.6	11.5	6.2	32.68	444.6	51.7	393.9	378.9	15.00	26.259	
5,550.0	5,538.2	5,521.4	5,497.0	11.5	6.2	33.05	444.8	54.8	395.8	380.7	15.04	26.308	
5,575.0	5,563.2	5,546.8	5,522.2	11.5	6.2	33.43	444.9	58.0	397.7	382.6	15.09	26.357	
5,600.0	5,588.2	5,572.8	5,548.0	11.6	6.3	33.80	445.1	61.3	399.5	384.4	15.13	26.401	
5,625.0	5,613.2	5,598.7	5,573.6	11.6	6.3	34.20	445.1	64.6	401.3	386.1	15.18	26.440	
5,650.0	5,638.2	5,623.3	5,598.0	11.6	6.3	34.64	444.8	68.1	403.1	387.9	15.22	26.477	
5,675.0	5,663.2	5,648.8	5,623.2	11.6	6.3	35.13	444.3	72.0	404.9	389.6	15.27	26.512	
5,700.0	5,688.2	5,674.0	5,648.1	11.6	6.4	35.61	443.8	75.8	406.7	391.3	15.32	26.546	
5,725.0	5,713.2	5,698.7	5,672.5	11.7	6.4	36.08	443.3	79.5	408.5	393.1	15.37	26.579	
5,750.0	5,738.2	5,723.8	5,697.3	11.7	6.4	36.54	442.7	83.3	410.3	394.9	15.42	26.612	
5,775.0	5,763.2	5,751.1	5,724.3	11.7	6.5	37.04	442.1	87.2	412.0	396.6	15.47	26.638	
5,800.0	5,788.2	5,775.4	5,748.4	11.7	6.5	37.47	441.6	90.7	413.7	398.2	15.52	26.663	
5,825.0	5,813.2	5,799.9	5,772.6	11.7	6.5	37.91	441.0	94.2	415.5	399.9	15.57	26.690	
5,850.0	5,838.2	5,826.5	5,798.9	11.8	6.5	38.38	440.3	98.0	417.2	401.6	15.62	26.711	
5,875.0	5,863.2	5,853.0	5,825.1	11.8	6.6	38.83	439.6	101.7	418.9	403.2	15.67	26.726	
5,900.0	5,888.2	5,878.2	5,850.1	11.8	6.6	39.26	438.9	105.1	420.5	404.8	15.72	26.740	
5,925.0	5,913.2	5,902.1	5,873.8	11.8	6.6	39.66	438.2	108.4	422.1	406.3	15.78	26.757	
5,950.0	5,938.2	5,927.4	5,898.8	11.8	6.7	40.07	437.6	111.8	423.8	408.0	15.83	26.774	
5,975.0	5,963.2	5,953.6	5,924.8	11.9	6.7	40.48	436.9	115.3	425.4	409.6	15.88	26.786	
6,000.0	5,988.2	5,981.1	5,952.1	11.9	6.7	40.90	436.2	118.7	427.0	411.0	15.94	26.789	
6,025.0	6,013.2	6,006.6	5,977.4	11.9	6.8	41.28	435.4	121.8	428.4	412.4	15.99	26.791	
6,050.0	6,038.2	6,032.1	6,002.7	11.9	6.8	41.65	434.7	124.8	429.8	413.8	16.04	26.790	
6,075.0	6,063.2	6,057.5	6,027.9	11.9	6.8	42.00	434.0	127.7	431.3	415.2	16.10	26.790	
6,100.0	6,088.2	6,084.9	6,055.2	12.0	6.8	42.37	433.2	130.7	432.6	416.4	16.15	26.779	
6,125.0	6,113.2	6,109.4	6,079.5	12.0	6.9	42.70	432.4	133.4	433.9	417.7	16.21	26.772	
6,150.0	6,138.2	6,134.0	6,103.9	12.0	6.9	43.01	431.8	136.1	435.2	418.9	16.26	26.766	
6,175.0	6,163.2	6,160.0	6,129.7	12.0	6.9	43.34	431.1	138.8	436.5	420.2	16.31	26.758	
6,200.0	6,188.2	6,186.3	6,155.9	12.0	7.0	43.66	430.3	141.5	437.7	421.4	16.37	26.744	
6,225.0	6,213.2	6,212.6	6,182.1	12.1	7.0	43.97	429.6	144.0	438.9	422.5	16.42	26.728	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,250.0	6,238.2	6,238.8	6,208.1	12.1	7.0	44.27	428.8	146.5	440.0	423.5	16.48	26.707	
6,275.0	6,263.2	6,263.5	6,232.8	12.1	7.0	44.53	428.1	148.7	441.1	424.6	16.53	26.688	
6,300.0	6,288.2	6,287.7	6,256.8	12.1	7.1	44.79	427.5	150.8	442.2	425.6	16.58	26.673	
6,325.0	6,313.2	6,311.7	6,280.8	12.1	7.1	45.03	427.0	152.9	443.4	426.8	16.63	26.662	
6,350.0	6,338.2	6,334.5	6,303.4	12.2	7.1	45.27	426.5	155.0	444.6	428.0	16.68	26.656	
6,375.0	6,363.2	6,354.7	6,323.5	12.2	7.1	45.49	426.1	157.1	446.1	429.4	16.73	26.666	
6,400.0	6,388.2	6,375.0	6,343.7	12.2	7.2	45.75	425.7	159.5	447.9	431.1	16.78	26.691	
6,425.0	6,413.2	6,397.4	6,365.9	12.2	7.2	46.04	425.2	162.4	449.8	433.0	16.83	26.722	
6,450.0	6,438.2	6,420.6	6,388.9	12.2	7.2	46.36	424.8	165.5	451.9	435.0	16.89	26.756	
6,475.0	6,463.2	6,446.3	6,414.4	12.3	7.3	46.70	424.3	168.9	454.0	437.1	16.95	26.788	
6,500.0	6,488.2	6,472.9	6,440.7	12.3	7.3	47.05	423.8	172.3	456.0	439.0	17.01	26.814	
6,525.0	6,513.2	6,500.9	6,468.5	12.3	7.3	47.40	423.2	175.8	458.0	440.9	17.07	26.831	
6,550.0	6,538.2	6,527.8	6,495.2	12.3	7.4	47.73	422.5	179.0	459.8	442.6	17.13	26.843	
6,575.0	6,563.2	6,556.5	6,523.7	12.3	7.4	48.06	421.8	182.2	461.4	444.2	17.19	26.843	
6,600.0	6,588.2	6,584.7	6,551.8	12.4	7.4	48.36	421.1	185.0	462.8	445.6	17.25	26.833	
6,625.0	6,613.2	6,610.9	6,577.9	12.4	7.4	48.61	420.5	187.4	464.2	446.9	17.30	26.824	
6,650.0	6,638.2	6,638.9	6,605.8	12.4	7.5	48.86	419.8	189.7	465.4	448.0	17.36	26.805	
6,675.0	6,663.2	6,664.8	6,631.5	12.4	7.5	49.06	419.4	191.7	466.5	449.1	17.42	26.786	
6,700.0	6,688.2	6,690.3	6,657.0	12.4	7.5	49.24	419.0	193.4	467.6	450.1	17.47	26.768	
6,725.0	6,713.2	6,716.0	6,682.7	12.5	7.6	49.39	418.8	195.1	468.6	451.1	17.52	26.749	
6,750.0	6,738.2	6,740.6	6,707.2	12.5	7.6	49.52	418.6	196.6	469.7	452.1	17.57	26.732	
6,775.0	6,763.2	6,760.2	6,726.8	12.5	7.6	49.63	418.5	197.8	470.8	453.2	17.61	26.730	
6,800.0	6,788.2	6,777.4	6,743.9	12.5	7.6	49.75	418.5	199.2	472.4	454.7	17.66	26.752	
6,825.0	6,813.2	6,800.0	6,766.4	12.5	7.7	49.90	418.6	201.4	474.3	456.6	17.71	26.779	
6,850.0	6,838.2	6,821.7	6,788.0	12.6	7.7	50.05	418.8	203.5	476.3	458.5	17.76	26.816	
6,875.0	6,863.2	6,848.9	6,815.1	12.6	7.7	50.21	419.2	206.0	478.3	460.5	17.82	26.846	
6,900.0	6,888.2	6,876.7	6,842.8	12.6	7.7	50.34	419.7	208.3	480.1	462.3	17.87	26.868	
6,925.0	6,913.2	6,900.0	6,866.0	12.6	7.8	50.43	420.1	210.1	481.9	464.0	17.92	26.892	
6,950.0	6,938.2	6,921.6	6,887.5	12.6	7.8	50.53	420.5	211.8	483.8	465.8	17.97	26.925	
6,975.0	6,963.2	6,940.7	6,906.5	12.7	7.8	50.62	421.0	213.6	486.0	468.0	18.02	26.973	
7,000.0	6,988.2	6,961.9	6,927.6	12.7	7.8	50.75	421.5	215.9	488.5	470.4	18.07	27.032	
7,025.0	7,013.2	6,986.2	6,951.7	12.7	7.9	50.89	422.1	218.6	491.0	472.9	18.12	27.093	
7,050.0	7,038.2	7,012.5	6,977.9	12.7	7.9	51.04	422.8	221.5	493.6	475.4	18.18	27.152	
7,075.0	7,063.2	7,042.3	7,007.6	12.7	7.9	51.17	423.7	224.4	496.0	477.7	18.23	27.202	
7,100.0	7,088.2	7,071.8	7,036.9	12.8	8.0	51.27	424.6	226.9	498.1	479.8	18.29	27.238	
7,125.0	7,113.2	7,101.4	7,066.4	12.8	8.0	51.35	425.5	229.1	500.0	481.7	18.34	27.263	
7,150.0	7,138.2	7,125.0	7,089.9	12.8	8.0	51.41	426.1	230.8	501.8	483.4	18.39	27.287	
7,175.0	7,163.2	7,144.0	7,108.9	12.8	8.0	51.49	426.5	232.3	503.8	485.3	18.44	27.324	
7,200.0	7,188.2	7,163.0	7,127.8	12.8	8.1	51.58	427.0	234.2	506.1	487.6	18.49	27.373	
7,225.0	7,213.2	7,184.5	7,149.1	12.9	8.1	51.72	427.4	236.7	508.6	490.1	18.54	27.431	
7,250.0	7,238.2	7,209.8	7,174.2	12.9	8.1	51.88	427.9	239.6	511.2	492.6	18.60	27.489	
7,275.0	7,263.2	7,237.3	7,201.6	12.9	8.1	52.04	428.5	242.7	513.8	495.1	18.65	27.544	
7,300.0	7,288.2	7,266.6	7,230.7	12.9	8.2	52.17	429.3	245.6	516.1	497.4	18.71	27.589	
7,325.0	7,313.2	7,291.9	7,256.0	12.9	8.2	52.25	430.0	247.8	518.3	499.6	18.76	27.631	
7,350.0	7,338.2	7,315.5	7,279.4	13.0	8.2	52.34	430.7	250.0	520.6	501.8	18.81	27.675	
7,375.0	7,363.2	7,340.9	7,304.7	13.0	8.3	52.42	431.6	252.2	522.9	504.0	18.86	27.721	
7,400.0	7,388.2	7,365.2	7,328.9	13.0	8.3	52.49	432.4	254.4	525.1	506.2	18.91	27.765	
7,425.0	7,413.2	7,387.6	7,351.1	13.0	8.3	52.58	433.0	256.6	527.5	508.5	18.97	27.813	
7,450.0	7,438.2	7,409.9	7,373.3	13.0	8.3	52.72	433.3	259.1	530.0	510.9	19.02	27.863	
7,475.0	7,463.2	7,432.9	7,396.2	13.0	8.4	52.91	433.4	262.0	532.5	513.5	19.08	27.915	
7,500.0	7,488.2	7,457.1	7,420.1	13.1	8.4	53.11	433.5	265.2	535.2	516.1	19.14	27.969	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,525.0	7,513.2	7,485.7	7,448.5	13.1	8.4	53.33	433.5	268.8	537.8	518.6	19.19	28.018	
7,550.0	7,538.2	7,513.0	7,475.6	13.1	8.5	53.54	433.6	272.1	540.2	520.9	19.25	28.059	
7,575.0	7,563.2	7,538.1	7,500.6	13.1	8.5	53.71	433.7	275.0	542.6	523.3	19.31	28.099	
7,600.0	7,588.2	7,564.7	7,526.9	13.1	8.5	53.90	433.7	278.0	544.9	525.6	19.37	28.137	
7,625.0	7,613.2	7,594.5	7,556.6	13.2	8.6	54.15	433.3	281.5	547.1	527.7	19.43	28.162	
7,650.0	7,638.2	7,621.3	7,583.1	13.2	8.6	54.41	432.5	284.8	549.2	529.7	19.49	28.177	
7,675.0	7,663.2	7,648.6	7,610.3	13.2	8.6	54.68	431.7	288.0	551.1	531.6	19.55	28.188	
7,700.0	7,688.2	7,679.0	7,640.4	13.2	8.7	54.95	430.8	291.2	552.9	533.3	19.62	28.186	
7,725.0	7,713.2	7,708.3	7,669.6	13.2	8.7	55.20	429.9	294.1	554.5	534.8	19.68	28.177	
7,750.0	7,738.2	7,736.5	7,697.7	13.3	8.7	55.41	429.1	296.5	555.8	536.1	19.74	28.160	
7,775.0	7,763.2	7,761.4	7,722.5	13.3	8.8	55.59	428.4	298.6	557.1	537.4	19.79	28.148	
7,800.0	7,788.2	7,787.1	7,748.0	13.3	8.8	55.78	427.6	300.8	558.5	538.6	19.85	28.134	
7,825.0	7,813.2	7,812.4	7,773.3	13.3	8.8	55.96	426.9	302.8	559.7	539.8	19.91	28.120	
7,850.0	7,838.2	7,838.7	7,799.5	13.3	8.8	56.14	426.2	304.9	561.0	541.1	19.96	28.104	
7,875.0	7,863.2	7,865.7	7,826.4	13.4	8.9	56.32	425.5	306.9	562.2	542.2	20.02	28.082	
7,900.0	7,888.2	7,893.1	7,853.8	13.4	8.9	56.48	424.8	308.8	563.3	543.2	20.08	28.058	
7,925.0	7,913.2	7,922.0	7,882.5	13.4	8.9	56.64	424.1	310.6	564.3	544.1	20.14	28.023	
7,950.0	7,938.2	7,944.9	7,905.5	13.4	9.0	56.78	423.4	312.0	565.2	545.0	20.18	27.999	
7,975.0	7,963.2	7,963.2	7,923.7	13.4	9.0	56.89	422.9	313.3	566.2	546.0	20.23	27.992	
8,000.0	7,988.2	7,980.6	7,941.0	13.5	9.0	57.00	422.5	314.7	567.7	547.4	20.28	27.998	
8,025.0	8,013.2	8,000.0	7,960.3	13.5	9.0	57.14	422.1	316.6	569.4	549.1	20.33	28.013	
8,050.0	8,038.2	8,021.0	7,981.2	13.5	9.1	57.30	421.6	318.9	571.4	551.0	20.38	28.033	
8,075.0	8,063.2	8,044.7	8,004.7	13.5	9.1	57.49	421.1	321.5	573.4	553.0	20.44	28.053	
8,100.0	8,088.2	8,069.0	8,028.8	13.5	9.1	57.69	420.5	324.3	575.5	555.0	20.50	28.074	
8,125.0	8,113.2	8,094.9	8,054.6	13.6	9.2	57.89	419.9	327.2	577.6	557.0	20.56	28.094	
8,150.0	8,138.2	8,121.4	8,080.9	13.6	9.2	58.10	419.3	330.1	579.6	559.0	20.62	28.111	
8,175.0	8,163.2	8,148.4	8,107.8	13.6	9.2	58.30	418.7	332.9	581.6	560.9	20.68	28.124	
8,200.0	8,188.2	8,172.9	8,132.1	13.6	9.3	58.48	418.1	335.5	583.5	562.7	20.74	28.138	
8,225.0	8,213.2	8,199.8	8,158.9	13.6	9.3	58.67	417.5	338.2	585.4	564.6	20.80	28.149	
8,250.0	8,238.2	8,225.0	8,183.9	13.7	9.3	58.84	417.0	340.7	587.2	566.3	20.85	28.159	
8,275.0	8,263.2	8,245.5	8,204.4	13.7	9.3	58.96	416.7	342.7	589.1	568.2	20.91	28.178	
8,300.0	8,288.2	8,263.2	8,221.9	13.7	9.4	59.07	416.6	344.6	591.3	570.3	20.96	28.208	
8,325.0	8,313.2	8,281.5	8,240.1	13.7	9.4	59.18	416.5	346.7	593.8	572.7	21.02	28.249	
8,350.0	8,338.2	8,303.4	8,261.8	13.7	9.4	59.31	416.6	349.4	596.4	575.4	21.08	28.298	
8,375.0	8,363.2	8,326.8	8,285.1	13.8	9.4	59.44	416.7	352.3	599.2	578.1	21.13	28.352	
8,400.0	8,388.2	8,353.9	8,312.0	13.8	9.5	59.59	416.9	355.7	602.0	580.8	21.19	28.406	
8,425.0	8,413.2	8,379.9	8,337.7	13.8	9.5	59.72	417.1	358.8	604.6	583.4	21.25	28.457	
8,450.0	8,438.2	8,406.8	8,364.5	13.8	9.5	59.85	417.4	361.9	607.2	585.9	21.30	28.505	
8,475.0	8,463.2	8,430.1	8,387.7	13.8	9.6	59.95	417.6	364.6	609.8	588.5	21.36	28.552	
8,500.0	8,488.2	8,452.2	8,409.6	13.9	9.6	60.06	417.8	367.2	612.5	591.1	21.42	28.601	
8,525.0	8,513.2	8,472.7	8,429.9	13.9	9.6	60.18	417.9	369.8	615.4	593.9	21.48	28.653	
8,550.0	8,538.2	8,495.1	8,452.1	13.9	9.6	60.33	417.8	373.0	618.4	596.8	21.54	28.711	
8,575.0	8,563.2	8,521.6	8,478.4	13.9	9.7	60.51	417.8	376.6	621.4	599.8	21.60	28.773	
8,600.0	8,588.2	8,555.5	8,512.0	13.9	9.7	60.70	417.8	381.0	624.2	602.5	21.65	28.831	
8,625.0	8,613.2	8,592.7	8,549.0	14.0	9.8	60.88	417.8	385.0	626.5	604.8	21.71	28.864	
8,650.0	8,638.2	8,620.7	8,576.9	14.0	9.8	61.00	417.7	387.6	628.6	606.8	21.76	28.882	
8,675.0	8,663.2	8,646.1	8,602.1	14.0	9.8	61.14	417.4	390.1	630.6	608.7	21.82	28.899	
8,700.0	8,688.2	8,670.2	8,626.1	14.0	9.9	61.28	416.9	392.6	632.6	610.7	21.88	28.915	
8,725.0	8,713.2	8,696.6	8,652.3	14.0	9.9	61.45	416.4	395.3	634.6	612.6	21.94	28.929	
8,750.0	8,738.2	8,722.8	8,678.4	14.1	9.9	61.59	415.9	397.8	636.5	614.5	21.99	28.941	
8,775.0	8,763.2	8,750.9	8,706.4	14.1	10.0	61.74	415.5	400.4	638.3	616.3	22.05	28.949	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,800.0	8,788.2	8,778.1	8,733.5	14.1	10.0	61.87	415.1	402.8	640.1	618.0	22.11	28.953	
8,825.0	8,813.2	8,800.0	8,755.3	14.1	10.0	61.98	414.7	404.7	641.8	619.7	22.16	28.963	
8,850.0	8,838.2	8,821.9	8,777.0	14.1	10.1	62.09	414.4	406.7	643.7	621.5	22.22	28.976	
8,875.0	8,863.2	8,840.7	8,795.7	14.2	10.1	62.21	413.9	408.7	645.8	623.5	22.27	28.996	
8,900.0	8,888.2	8,860.3	8,815.2	14.2	10.1	62.35	413.4	411.0	648.1	625.7	22.33	29.021	
8,925.0	8,913.2	8,883.0	8,837.7	14.2	10.1	62.55	412.4	414.0	650.5	628.1	22.39	29.050	
8,950.0	8,938.2	8,909.3	8,863.8	14.2	10.2	62.79	411.1	417.6	653.0	630.5	22.46	29.077	
8,975.0	8,963.2	8,933.8	8,887.9	14.2	10.2	63.02	409.9	420.8	655.4	632.9	22.52	29.103	
9,000.0	8,988.2	8,959.5	8,913.4	14.3	10.2	63.25	408.7	424.3	657.8	635.3	22.58	29.131	
9,025.0	9,013.2	8,988.5	8,942.1	14.3	10.3	63.50	407.3	428.0	660.2	637.5	22.65	29.154	
9,050.0	9,038.2	9,019.8	8,973.2	14.3	10.3	63.76	405.9	431.7	662.4	639.7	22.71	29.168	
9,075.0	9,063.2	9,047.3	9,000.5	14.3	10.3	63.97	404.7	434.7	664.3	641.6	22.77	29.176	
9,100.0	9,088.2	9,071.3	9,024.3	14.3	10.4	64.15	403.6	437.4	666.3	643.5	22.83	29.186	
9,125.0	9,113.2	9,107.5	9,060.3	14.4	10.4	64.40	402.1	441.0	668.1	645.2	22.88	29.204	
9,150.0	9,138.2	9,135.1	9,087.8	14.4	10.4	64.56	401.1	443.3	669.6	646.7	22.91	29.229	
9,175.0	9,163.2	9,162.6	9,115.2	14.4	10.4	64.72	400.2	445.5	671.1	648.1	22.94	29.250	
9,200.0	9,188.2	9,189.3	9,141.8	14.4	10.4	64.86	399.2	447.5	672.4	649.4	22.98	29.265	
9,225.0	9,213.2	9,215.7	9,168.1	14.4	10.4	65.00	398.3	449.4	673.7	650.7	23.01	29.277	
9,250.0	9,238.2	9,242.8	9,195.1	14.5	10.5	65.15	397.3	451.3	674.9	651.9	23.05	29.286	
9,275.0	9,263.2	9,276.6	9,228.8	14.5	10.5	65.34	395.9	453.6	676.0	652.9	23.09	29.279	
9,300.0	9,288.2	9,320.4	9,272.1	14.5	10.5	65.88	390.5	457.0	676.5	653.3	23.16	29.205	
9,325.0	9,313.2	9,333.2	9,284.6	14.5	10.5	66.12	388.0	458.4	677.0	653.8	23.19	29.194	
9,350.0	9,338.2	9,349.9	9,300.6	14.5	10.5	66.50	384.1	460.7	677.8	654.6	23.23	29.176	
9,375.0	9,363.2	9,366.8	9,316.7	14.6	10.5	66.96	379.4	463.5	679.0	655.7	23.28	29.161	
9,400.0	9,388.2	9,384.6	9,333.2	14.6	10.5	67.50	373.9	466.9	680.4	657.1	23.34	29.148	
9,425.0	9,413.2	9,406.0	9,352.7	14.6	10.5	68.23	366.3	471.5	682.2	658.8	23.42	29.136	
9,450.0	9,438.2	9,417.9	9,363.4	14.6	10.6	68.67	361.8	474.3	684.3	660.9	23.49	29.138	
9,475.0	9,463.2	9,433.6	9,377.2	14.6	10.6	69.28	355.6	478.2	686.9	663.3	23.57	29.142	
9,500.0	9,488.2	9,452.0	9,393.2	14.7	10.6	70.03	347.9	483.1	689.8	666.1	23.66	29.154	
9,525.0	9,513.2	9,463.9	9,403.4	14.7	10.6	70.53	342.7	486.5	693.1	669.4	23.76	29.168	
9,550.0	9,538.2	9,478.7	9,415.9	14.7	10.6	71.18	336.0	490.8	696.9	673.0	23.88	29.189	
9,575.0	9,563.2	9,500.0	9,433.4	14.7	10.7	72.15	325.8	497.4	701.2	677.2	23.99	29.229	
9,600.0	9,588.2	9,500.0	9,433.4	14.7	10.7	72.15	325.8	497.4	705.8	681.7	24.15	29.233	
9,625.0	9,613.2	9,520.6	9,449.9	14.8	10.7	73.13	315.5	504.1	710.9	686.6	24.28	29.284	
9,650.0	9,638.2	9,533.9	9,460.3	14.8	10.7	73.78	308.7	508.7	716.5	692.1	24.43	29.328	
9,675.0	9,663.2	9,547.0	9,470.5	14.8	10.7	74.43	301.7	513.3	722.6	698.0	24.59	29.380	
9,700.0	9,688.2	9,563.1	9,482.7	14.8	10.7	75.24	293.1	519.0	729.0	704.3	24.76	29.447	
9,725.0	9,713.2	9,579.1	9,494.7	14.8	10.8	76.05	284.2	524.8	735.9	711.0	24.93	29.521	
9,750.0	9,738.2	9,595.0	9,506.5	14.9	10.8	76.87	275.2	530.7	743.1	718.0	25.10	29.604	
9,775.0	9,763.2	9,630.0	9,531.6	14.9	10.8	78.73	254.1	542.8	750.1	724.9	25.22	29.741	
9,800.0	9,788.2	9,665.9	9,556.8	14.9	10.9	80.68	231.4	554.6	757.3	731.9	25.35	29.874	
9,825.0	9,813.2	9,683.5	9,568.7	14.9	10.9	81.66	219.7	560.1	764.7	739.2	25.53	29.950	
9,850.0	9,838.2	9,698.2	9,578.4	14.9	10.9	82.49	209.6	564.8	772.6	746.8	25.73	30.024	
9,875.0	9,863.2	9,711.4	9,586.9	15.0	10.9	83.24	200.5	568.9	780.8	754.9	25.94	30.100	
9,900.0	9,888.2	9,723.9	9,594.8	15.0	11.0	83.96	191.6	572.9	789.6	763.4	26.16	30.182	
9,925.0	9,913.2	9,736.0	9,602.3	15.0	11.0	84.66	182.9	576.7	798.7	772.3	26.38	30.273	
9,950.0	9,938.2	9,746.5	9,608.6	15.0	11.0	85.28	175.2	580.0	808.3	781.7	26.62	30.365	
9,975.0	9,963.2	9,756.9	9,614.7	15.0	11.0	85.88	167.6	583.3	818.4	791.6	26.86	30.468	
10,000.0	9,988.2	9,766.8	9,620.5	15.1	11.0	86.47	160.1	586.5	828.9	801.8	27.11	30.580	
10,000.4	9,988.6	9,767.0	9,620.6	15.1	11.0	86.48	160.0	586.6	829.1	802.0	27.11	30.581	
10,025.0	10,013.2	9,784.0	9,630.3	15.1	11.1	86.14	147.1	592.1	839.9	812.7	27.25	30.826	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #701H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,050.0	10,038.1	9,784.0	9,630.3	15.1	11.1	84.64	147.1	592.1	851.2	823.7	27.53	30.923	
10,075.0	10,062.9	9,784.0	9,630.3	15.1	11.1	83.05	147.1	592.1	862.9	835.1	27.81	31.027	
10,100.0	10,087.5	9,797.9	9,638.0	15.1	11.1	82.34	136.4	596.6	874.9	846.8	28.04	31.203	
10,125.0	10,111.8	9,803.2	9,640.8	15.1	11.1	81.02	132.3	598.4	887.2	858.9	28.30	31.349	
10,150.0	10,135.8	9,807.6	9,643.2	15.1	11.1	79.59	128.9	599.8	899.9	871.3	28.57	31.501	
10,175.0	10,159.3	9,811.1	9,645.0	15.1	11.1	78.06	126.2	600.9	912.8	884.0	28.83	31.660	
10,200.0	10,182.4	9,813.8	9,646.4	15.1	11.1	76.44	124.0	601.8	926.0	896.9	29.10	31.826	
10,225.0	10,205.0	9,815.7	9,647.4	15.1	11.1	74.73	122.6	602.4	939.4	910.1	29.36	32.001	
10,250.0	10,227.0	9,816.8	9,648.0	15.1	11.1	72.94	121.7	602.8	953.0	923.4	29.61	32.185	
10,275.0	10,248.3	9,817.2	9,648.2	15.2	11.1	71.10	121.3	603.0	966.7	936.9	29.86	32.377	
10,300.0	10,268.9	9,817.0	9,648.1	15.2	11.1	69.21	121.5	602.9	980.5	950.4	30.10	32.578	
10,325.0	10,288.8	9,816.1	9,647.7	15.2	11.1	67.30	122.2	602.6	994.4	964.1	30.33	32.787	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-36.46	502.6	-371.3	625.0				
25.0	25.0	15.0	15.0	0.5	3.0	-36.46	502.6	-371.3	624.9				
50.0	50.0	40.3	40.3	0.5	3.0	-36.46	502.5	-371.4	624.9	620.1	4.73	132.245	
75.0	75.0	65.5	65.5	0.5	3.0	-36.48	502.4	-371.5	624.8	620.1	4.73	132.240	
100.0	100.0	90.8	90.8	0.5	3.0	-36.50	502.3	-371.6	624.8	620.1	4.73	132.232	
125.0	125.0	115.9	115.8	0.6	3.0	-36.52	502.1	-371.8	624.8	620.0	4.76	131.293	
150.0	150.0	140.8	140.8	0.8	3.0	-36.55	501.9	-372.0	624.7	619.9	4.80	130.174	
175.0	175.0	166.0	166.0	0.9	3.0	-36.58	501.7	-372.2	624.7	619.9	4.85	128.890	
200.0	200.0	191.3	191.3	1.0	3.0	-36.60	501.5	-372.5	624.6	619.7	4.90	127.455	
225.0	225.0	216.5	216.5	1.1	3.0	-36.64	501.2	-372.7	624.6	619.6	4.94	126.422	
250.0	250.0	241.4	241.4	1.2	3.0	-36.67	500.9	-373.0	624.5	619.5	4.98	125.334	
275.0	275.0	267.2	267.2	1.3	3.0	-36.71	500.6	-373.2	624.5	619.4	5.03	124.196	
300.0	300.0	292.6	292.6	1.4	3.0	-36.74	500.3	-373.5	624.3	619.3	5.08	123.006	
325.0	325.0	318.4	318.3	1.4	3.0	-36.78	500.0	-373.7	624.2	619.1	5.12	121.995	
350.0	350.0	344.2	344.2	1.5	3.0	-36.81	499.7	-373.9	624.1	618.9	5.16	120.952	
375.0	375.0	369.7	369.6	1.6	3.0	-36.84	499.3	-374.1	623.9	618.7	5.20	119.882	
400.0	400.0	393.9	393.9	1.6	3.0	-36.87	499.0	-374.2	623.7	618.5	5.25	118.794	
425.0	425.0	419.1	419.1	1.7	3.0	-36.90	498.6	-374.4	623.6	618.3	5.29	117.827	
450.0	450.0	444.0	443.9	1.8	3.0	-36.94	498.3	-374.6	623.4	618.1	5.34	116.847	
475.0	475.0	468.5	468.5	1.8	3.0	-36.97	497.9	-374.8	623.2	617.9	5.38	115.862	
500.0	500.0	493.6	493.5	1.9	3.1	-37.01	497.6	-375.0	623.1	617.7	5.42	114.870	
525.0	525.0	518.6	518.6	1.9	3.1	-37.04	497.2	-375.3	622.9	617.5	5.47	113.960	
550.0	550.0	543.5	543.5	2.0	3.1	-37.08	496.9	-375.5	622.8	617.3	5.51	113.046	
575.0	575.0	567.8	567.7	2.1	3.1	-37.11	496.6	-375.7	622.7	617.1	5.55	112.134	
600.0	600.0	591.5	591.5	2.1	3.1	-37.14	496.3	-375.9	622.6	617.0	5.60	111.231	
625.0	625.0	615.9	615.8	2.2	3.1	-37.18	496.0	-376.2	622.5	616.9	5.64	110.402	
642.1	642.1	632.1	632.0	2.2	3.1	-37.21	495.8	-376.5	622.5	616.8	5.67	109.839	
650.0	650.0	639.1	639.1	2.2	3.1	-37.22	495.7	-376.6	622.5	616.8	5.68	109.583	
675.0	675.0	662.7	662.7	2.3	3.1	-37.27	495.5	-377.0	622.6	616.9	5.72	108.783	
700.0	700.0	687.2	687.2	2.3	3.1	-37.32	495.2	-377.5	622.7	616.9	5.77	107.987	
725.0	725.0	712.1	712.1	2.4	3.1	-37.37	495.0	-378.0	622.8	617.0	5.81	107.243	
750.0	750.0	737.1	737.0	2.4	3.1	-37.42	494.7	-378.5	622.9	617.1	5.85	106.497	
775.0	775.0	761.2	761.2	2.5	3.1	-37.47	494.5	-379.0	623.0	617.2	5.89	105.759	
800.0	800.0	785.9	785.8	2.5	3.1	-37.51	494.3	-379.5	623.2	617.3	5.93	105.028	
825.0	825.0	811.7	811.6	2.6	3.1	-37.54	494.3	-379.8	623.4	617.4	5.97	104.332	
850.0	850.0	838.3	838.2	2.6	3.2	-37.56	494.2	-380.0	623.5	617.5	6.02	103.629	
875.0	875.0	866.5	866.4	2.6	3.2	-37.55	494.3	-380.0	623.5	617.4	6.06	102.904	
900.0	900.0	893.6	893.5	2.7	3.2	-37.51	494.5	-379.5	623.4	617.3	6.10	102.154	
925.0	925.0	918.5	918.4	2.7	3.1	-37.46	494.7	-379.0	623.2	617.1	6.14	101.434	
950.0	950.0	942.9	942.8	2.8	3.1	-37.40	495.0	-378.5	623.1	616.9	6.19	100.721	
975.0	975.0	967.7	967.6	2.8	3.1	-37.35	495.2	-378.0	623.0	616.8	6.23	100.015	
1,000.0	1,000.0	992.0	991.8	2.9	3.1	-37.30	495.5	-377.5	622.9	616.6	6.27	99.315	
1,025.0	1,025.0	1,017.0	1,016.9	2.9	3.1	-37.25	495.7	-377.0	622.8	616.5	6.31	98.647	
1,050.0	1,050.0	1,042.4	1,042.3	3.0	3.1	-37.20	496.0	-376.5	622.7	616.4	6.36	97.978	
1,075.0	1,075.0	1,066.9	1,066.7	3.0	3.1	-37.17	496.2	-376.2	622.6	616.2	6.40	97.315	
1,100.0	1,100.0	1,092.0	1,091.8	3.0	3.1	-37.13	496.3	-375.8	622.6	616.1	6.44	96.657	
1,125.0	1,125.0	1,117.1	1,117.0	3.1	3.1	-37.11	496.4	-375.5	622.5	616.0	6.48	96.020	
1,150.0	1,150.0	1,140.1	1,139.9	3.1	3.1	-37.09	496.5	-375.3	622.4	615.9	6.52	95.400	
1,151.1	1,151.1	1,141.1	1,140.9	3.1	3.1	-37.09	496.5	-375.3	622.4	615.9	6.53	95.373	
1,175.0	1,175.0	1,165.1	1,164.9	3.2	3.1	-37.07	496.6	-375.2	622.5	615.9	6.57	94.794	
1,200.0	1,200.0	1,191.2	1,191.1	3.2	3.1	-37.05	496.7	-375.0	622.4	615.8	6.61	94.176	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,225.0	1,225.0	1,216.5	1,216.3	3.2	3.1	-37.04	496.8	-374.9	622.4	615.7	6.65	93.575	
1,250.0	1,250.0	1,242.4	1,242.3	3.3	3.1	-37.03	496.8	-374.7	622.3	615.6	6.69	92.970	
1,275.0	1,275.0	1,266.5	1,266.4	3.3	3.1	-37.02	496.8	-374.6	622.2	615.5	6.74	92.370	
1,295.8	1,295.8	1,285.8	1,285.7	3.4	3.1	-37.01	496.8	-374.5	622.2	615.4	6.77	91.891	
1,300.0	1,300.0	1,289.8	1,289.6	3.4	3.1	-37.01	496.8	-374.5	622.2	615.4	6.78	91.796	
1,325.0	1,325.0	1,313.0	1,312.9	3.4	3.1	-37.01	496.9	-374.5	622.2	615.4	6.82	91.263	
1,350.0	1,350.0	1,336.3	1,336.1	3.4	3.2	-37.01	497.0	-374.6	622.3	615.5	6.86	90.749	
1,375.0	1,375.0	1,360.2	1,360.0	3.5	3.2	-37.01	497.1	-374.7	622.5	615.6	6.90	90.244	
1,400.0	1,400.0	1,384.7	1,384.5	3.5	3.2	-37.03	497.1	-375.0	622.7	615.8	6.94	89.740	
1,425.0	1,425.0	1,409.2	1,409.0	3.6	3.2	-37.05	497.2	-375.3	623.0	616.0	6.98	89.254	
1,450.0	1,450.0	1,434.6	1,434.5	3.6	3.2	-37.08	497.2	-375.7	623.2	616.2	7.02	88.767	
1,475.0	1,475.0	1,460.0	1,459.9	3.6	3.2	-37.11	497.2	-376.1	623.4	616.3	7.06	88.278	
1,500.0	1,500.0	1,485.0	1,484.9	3.7	3.2	-37.13	497.1	-376.5	623.6	616.5	7.10	87.792	
1,525.0	1,525.0	1,510.2	1,510.0	3.7	3.2	-37.16	497.1	-376.8	623.8	616.7	7.14	87.318	
1,550.0	1,550.0	1,535.9	1,535.7	3.8	3.2	-37.15	497.4	-376.8	624.0	616.8	7.19	86.840	
1,575.0	1,575.0	1,561.3	1,561.1	3.8	3.2	-37.10	497.8	-376.5	624.1	616.9	7.23	86.357	
1,600.0	1,600.0	1,585.5	1,585.4	3.8	3.2	-37.05	498.3	-376.1	624.3	617.0	7.27	85.882	
1,625.0	1,625.0	1,610.0	1,609.8	3.9	3.2	-36.99	498.8	-375.7	624.5	617.2	7.31	85.423	
1,650.0	1,650.0	1,635.0	1,634.8	3.9	3.2	-36.94	499.3	-375.4	624.7	617.4	7.35	84.966	
1,675.0	1,675.0	1,659.5	1,659.3	3.9	3.2	-36.89	499.8	-375.1	624.9	617.5	7.39	84.514	
1,700.0	1,700.0	1,684.1	1,683.8	4.0	3.2	-36.85	500.3	-374.9	625.2	617.7	7.44	84.070	
1,725.0	1,725.0	1,709.2	1,709.0	4.0	3.2	-36.81	500.7	-374.7	625.4	617.9	7.48	83.633	
1,750.0	1,750.0	1,733.9	1,733.7	4.1	3.2	-36.78	501.1	-374.6	625.6	618.1	7.52	83.202	
1,775.0	1,775.0	1,759.1	1,758.9	4.1	3.2	-36.76	501.4	-374.5	625.9	618.3	7.56	82.770	
1,800.0	1,800.0	1,783.6	1,783.4	4.1	3.2	-36.74	501.7	-374.5	626.1	618.5	7.60	82.343	
1,825.0	1,825.0	1,807.6	1,807.4	4.2	3.2	-36.72	502.1	-374.5	626.4	618.8	7.65	81.932	
1,850.0	1,850.0	1,832.1	1,831.8	4.2	3.3	-36.71	502.4	-374.6	626.7	619.0	7.69	81.524	
1,875.0	1,875.0	1,856.1	1,855.9	4.2	3.3	-36.71	502.6	-374.8	627.1	619.3	7.73	81.121	
1,900.0	1,900.0	1,879.5	1,879.2	4.3	3.3	-36.71	503.0	-375.0	627.5	619.7	7.77	80.730	
1,925.0	1,925.0	1,903.6	1,903.4	4.3	3.3	-36.71	503.3	-375.3	627.9	620.1	7.81	80.350	
1,950.0	1,950.0	1,928.5	1,928.3	4.3	3.3	-36.71	503.7	-375.5	628.4	620.5	7.86	79.970	
1,975.0	1,975.0	1,954.1	1,953.8	4.4	3.3	-36.71	504.0	-375.8	628.8	620.9	7.90	79.587	
2,000.0	2,000.0	1,978.6	1,978.3	4.4	3.3	-36.70	504.4	-376.0	629.3	621.3	7.94	79.210	
2,025.0	2,025.0	2,006.0	2,005.7	4.4	3.3	17.92	504.9	-376.1	629.6	621.6	8.00	78.691	
2,050.0	2,050.0	2,041.3	2,041.0	4.5	3.3	18.00	505.6	-375.6	629.4	621.4	8.07	78.029	
2,075.0	2,075.0	2,079.0	2,078.6	4.5	3.3	18.22	506.4	-373.7	628.6	620.5	8.14	77.235	
2,100.0	2,100.0	2,107.2	2,106.8	4.6	3.3	18.45	507.1	-371.6	627.3	619.1	8.22	76.342	
2,125.0	2,125.0	2,131.7	2,131.2	4.6	3.3	18.67	507.8	-369.6	625.7	617.4	8.30	75.379	
2,150.0	2,149.9	2,155.8	2,155.2	4.7	3.4	18.89	508.4	-367.6	623.9	615.5	8.39	74.401	
2,175.0	2,174.9	2,180.2	2,179.5	4.7	3.4	19.13	509.2	-365.6	622.0	613.5	8.47	73.409	
2,200.0	2,199.8	2,206.0	2,205.2	4.8	3.4	19.40	509.9	-363.6	619.8	611.3	8.56	72.398	
2,225.0	2,224.8	2,232.6	2,231.7	4.8	3.4	19.68	510.6	-361.3	617.4	608.8	8.65	71.376	
2,250.0	2,249.7	2,263.2	2,262.2	4.9	3.4	20.04	511.4	-358.5	614.7	605.9	8.74	70.322	
2,275.0	2,274.6	2,294.0	2,292.8	5.0	3.4	20.43	512.0	-355.3	611.5	602.7	8.83	69.237	
2,300.0	2,299.5	2,324.8	2,323.4	5.0	3.4	20.87	512.5	-351.8	607.9	599.0	8.92	68.122	
2,325.0	2,324.3	2,353.2	2,351.5	5.1	3.4	21.31	512.9	-348.2	603.9	594.9	9.02	66.978	
2,350.0	2,349.1	2,383.0	2,381.1	5.2	3.4	21.81	513.3	-344.1	599.5	590.4	9.11	65.810	
2,375.0	2,373.9	2,409.2	2,407.0	5.2	3.4	22.30	513.5	-340.3	594.8	585.6	9.20	64.622	
2,400.1	2,398.8	2,433.3	2,430.8	5.3	3.4	22.76	513.7	-336.8	589.9	580.6	9.30	63.430	
2,425.0	2,423.5	2,456.0	2,453.3	5.4	3.5	23.17	513.9	-333.5	585.0	575.6	9.38	62.393	
2,450.0	2,448.2	2,478.4	2,475.5	5.4	3.5	23.55	514.0	-330.5	580.1	570.7	9.45	61.378	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
2,475.0	2,473.0	2,500.0	2,496.9	5.5	3.5	23.89	514.0	-328.0	575.4	565.9	9.53	60.395	
2,500.0	2,497.7	2,519.9	2,516.7	5.6	3.5	24.19	514.0	-325.9	570.9	561.3	9.60	59.444	
2,525.0	2,522.5	2,541.3	2,538.1	5.6	3.5	24.50	514.0	-323.8	566.5	556.8	9.68	58.499	
2,550.0	2,547.2	2,563.1	2,559.8	5.7	3.5	24.80	514.1	-321.9	562.3	552.5	9.76	57.585	
2,575.0	2,572.0	2,585.1	2,581.7	5.7	3.5	25.11	514.2	-320.0	558.2	548.4	9.85	56.698	
2,600.0	2,596.8	2,607.7	2,604.2	5.8	3.5	25.42	514.4	-318.2	554.2	544.3	9.93	55.839	
2,625.0	2,621.5	2,631.1	2,627.5	5.9	3.5	25.74	514.6	-316.4	550.3	540.3	10.01	54.978	
2,650.0	2,646.3	2,653.9	2,650.3	6.0	3.5	26.06	514.8	-314.7	546.5	536.4	10.09	54.139	
2,675.0	2,671.0	2,676.3	2,672.6	6.0	3.5	26.37	515.1	-313.1	542.8	532.6	10.18	53.324	
2,700.0	2,695.8	2,701.4	2,697.6	6.1	3.6	26.71	515.4	-311.4	539.1	528.9	10.26	52.532	
2,725.0	2,720.5	2,725.0	2,721.2	6.2	3.6	27.04	515.7	-309.8	535.5	525.1	10.35	51.735	
2,750.0	2,745.3	2,749.7	2,745.8	6.2	3.6	27.39	516.0	-308.1	531.9	521.4	10.44	50.958	
2,775.0	2,770.1	2,773.3	2,769.4	6.3	3.6	27.73	516.3	-306.5	528.3	517.8	10.53	50.196	
2,800.0	2,794.8	2,797.3	2,793.3	6.4	3.6	28.07	516.7	-304.9	524.8	514.2	10.61	49.454	
2,825.0	2,819.6	2,820.5	2,816.5	6.5	3.6	28.41	517.1	-303.3	521.4	510.7	10.70	48.715	
2,850.0	2,844.3	2,844.9	2,840.8	6.5	3.6	28.77	517.5	-301.7	518.0	507.2	10.79	47.998	
2,875.0	2,869.1	2,869.6	2,865.4	6.6	3.6	29.14	518.0	-300.2	514.6	503.7	10.88	47.295	
2,900.0	2,893.8	2,892.8	2,888.6	6.7	3.7	29.48	518.4	-298.7	511.3	500.3	10.97	46.606	
2,925.0	2,918.6	2,916.7	2,912.4	6.8	3.7	29.84	518.8	-297.2	508.1	497.0	11.06	45.929	
2,950.0	2,943.3	2,942.1	2,937.8	6.9	3.7	30.22	519.3	-295.7	504.8	493.7	11.15	45.269	
2,975.0	2,968.1	2,966.7	2,962.4	7.0	3.7	30.59	519.7	-294.3	501.6	490.4	11.24	44.617	
3,000.0	2,992.9	2,991.0	2,986.6	7.0	3.7	30.96	520.1	-292.9	498.4	487.1	11.33	43.980	
3,025.0	3,017.6	3,015.3	3,010.9	7.1	3.7	31.33	520.6	-291.4	495.2	483.8	11.42	43.350	
3,050.0	3,042.4	3,040.4	3,035.9	7.2	3.7	31.72	521.0	-290.0	492.1	480.6	11.51	42.736	
3,075.0	3,067.1	3,066.2	3,061.6	7.3	3.8	32.12	521.4	-288.5	488.9	477.3	11.60	42.134	
3,100.0	3,091.9	3,089.9	3,085.3	7.4	3.8	32.47	521.7	-287.3	485.8	474.1	11.69	41.536	
3,125.0	3,116.6	3,113.1	3,108.5	7.5	3.8	32.83	522.0	-286.1	482.7	470.9	11.79	40.949	
3,150.0	3,141.4	3,137.7	3,133.1	7.6	3.8	33.20	522.4	-284.9	479.7	467.8	11.88	40.383	
3,175.0	3,166.2	3,162.9	3,158.3	7.6	3.8	33.59	522.8	-283.7	476.6	464.7	11.97	39.829	
3,200.0	3,190.9	3,187.7	3,183.0	7.7	3.8	33.96	523.1	-282.6	473.6	461.6	12.06	39.283	
3,212.6	3,203.4	3,200.1	3,195.4	7.8	3.8	34.15	523.2	-282.0	472.1	460.0	12.09	39.051	
3,225.0	3,215.7	3,212.6	3,207.9	7.8	3.9	34.33	523.4	-281.5	470.6	458.5	12.14	38.778	
3,250.0	3,240.4	3,237.2	3,232.5	7.9	3.9	34.67	523.6	-280.4	467.7	455.5	12.23	38.237	
3,275.0	3,265.2	3,261.8	3,257.1	8.0	3.9	35.02	523.9	-279.4	464.9	452.6	12.33	37.715	
3,300.0	3,290.0	3,286.5	3,281.7	8.1	3.9	35.35	524.2	-278.4	462.2	449.8	12.42	37.210	
3,325.0	3,314.8	3,310.6	3,305.8	8.2	3.9	35.68	524.4	-277.3	459.7	447.2	12.51	36.746	
3,350.0	3,339.7	3,335.0	3,330.1	8.3	3.9	36.01	524.7	-276.3	457.2	444.6	12.60	36.300	
3,375.0	3,364.5	3,359.7	3,354.9	8.4	4.0	36.34	525.1	-275.3	454.9	442.2	12.68	35.872	
3,400.0	3,389.4	3,384.7	3,379.8	8.4	4.0	36.67	525.4	-274.3	452.7	439.9	12.77	35.458	
3,425.0	3,414.2	3,409.8	3,404.9	8.5	4.0	36.99	525.7	-273.3	450.6	437.7	12.85	35.064	
3,450.0	3,439.1	3,435.3	3,430.3	8.6	4.0	37.31	525.9	-272.3	448.5	435.6	12.93	34.681	
3,475.0	3,464.0	3,459.9	3,455.0	8.7	4.0	37.60	526.1	-271.4	446.5	433.5	13.02	34.307	
3,500.0	3,488.9	3,484.8	3,479.8	8.8	4.1	37.88	526.3	-270.5	444.7	431.6	13.10	33.947	
3,525.0	3,513.8	3,509.4	3,504.4	8.9	4.1	38.15	526.5	-269.6	442.9	429.7	13.18	33.602	
3,550.0	3,538.7	3,533.5	3,528.5	9.0	4.1	38.41	526.7	-268.9	441.3	428.0	13.26	33.271	
3,575.0	3,563.6	3,558.6	3,553.6	9.1	4.1	38.66	526.9	-268.1	439.7	426.4	13.34	32.955	
3,600.0	3,588.5	3,583.7	3,578.7	9.1	4.1	38.90	527.1	-267.4	438.3	424.8	13.42	32.648	
3,625.0	3,613.5	3,608.3	3,603.3	9.2	4.1	39.12	527.3	-266.8	436.9	423.4	13.50	32.357	
3,650.0	3,638.4	3,633.3	3,628.3	9.3	4.2	39.33	527.5	-266.1	435.6	422.0	13.58	32.077	
3,675.0	3,663.4	3,658.6	3,653.5	9.4	4.2	39.54	527.7	-265.5	434.4	420.8	13.66	31.808	
3,700.0	3,688.3	3,683.3	3,678.3	9.5	4.2	39.74	527.8	-264.9	433.3	419.6	13.74	31.544	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,725.0	3,713.3	3,707.3	3,702.2	9.5	4.2	39.92	528.0	-264.3	432.4	418.5	13.81	31.300	
3,750.0	3,738.3	3,731.9	3,726.8	9.6	4.2	40.10	528.2	-263.7	431.5	417.6	13.89	31.069	
3,775.0	3,763.3	3,756.9	3,751.9	9.7	4.3	40.27	528.5	-263.1	430.8	416.8	13.96	30.849	
3,800.0	3,788.2	3,782.7	3,777.7	9.8	4.3	40.44	528.7	-262.5	430.0	416.0	14.04	30.635	
3,825.0	3,813.2	3,806.9	3,801.8	9.9	4.3	40.59	528.9	-261.9	429.4	415.3	14.11	30.438	
3,850.0	3,838.2	3,832.4	3,827.4	9.9	4.3	40.74	529.1	-261.3	428.9	414.7	14.18	30.253	
3,875.0	3,863.2	3,857.0	3,851.9	10.0	4.4	40.88	529.3	-260.7	428.5	414.2	14.25	30.071	
3,900.0	3,888.2	3,880.8	3,875.7	10.1	4.4	41.01	529.5	-260.1	428.2	413.8	14.32	29.898	
3,925.0	3,913.2	3,905.6	3,900.5	10.1	4.4	41.13	529.8	-259.5	428.0	413.6	14.38	29.761	
3,950.0	3,938.2	3,930.9	3,925.7	10.2	4.4	41.24	530.1	-258.9	427.9	413.4	14.44	29.631	
3,968.6	3,956.8	3,949.4	3,944.2	10.2	4.4	41.32	530.3	-258.5	427.9	413.4	14.49	29.536	
3,975.0	3,963.2	3,955.8	3,950.6	10.2	4.4	41.34	530.4	-258.4	427.9	413.4	14.50	29.505	
4,000.0	3,988.2	3,980.6	3,975.5	10.3	4.5	41.43	530.6	-257.9	427.9	413.4	14.56	29.384	
4,012.8	4,001.0	3,993.0	3,987.9	10.3	4.5	-13.13	530.8	-257.6	428.0	413.4	14.57	29.366	
4,025.0	4,013.2	4,005.3	4,000.2	10.3	4.5	-13.09	530.9	-257.4	428.1	413.5	14.59	29.337	
4,050.0	4,038.2	4,031.4	4,026.2	10.3	4.5	-13.02	531.2	-256.8	428.2	413.6	14.63	29.278	
4,075.0	4,063.2	4,055.9	4,050.7	10.4	4.5	-12.95	531.4	-256.4	428.3	413.7	14.66	29.212	
4,100.0	4,088.2	4,080.4	4,075.3	10.4	4.5	-12.88	531.7	-255.9	428.5	413.8	14.70	29.149	
4,125.0	4,113.2	4,106.0	4,100.9	10.4	4.6	-12.82	531.9	-255.5	428.6	413.9	14.73	29.098	
4,150.0	4,138.2	4,130.8	4,125.7	10.4	4.6	-12.76	532.2	-255.1	428.8	414.0	14.76	29.043	
4,175.0	4,163.2	4,155.6	4,150.4	10.4	4.6	-12.70	532.4	-254.7	428.9	414.1	14.80	28.990	
4,200.0	4,188.2	4,181.0	4,175.9	10.5	4.6	-12.66	532.6	-254.4	429.1	414.2	14.83	28.937	
4,225.0	4,213.2	4,206.7	4,201.5	10.5	4.7	-12.62	532.8	-254.2	429.2	414.3	14.86	28.881	
4,250.0	4,238.2	4,231.5	4,226.4	10.5	4.7	-12.59	532.9	-253.9	429.3	414.4	14.89	28.822	
4,275.0	4,263.2	4,255.9	4,250.7	10.5	4.7	-12.56	533.1	-253.8	429.4	414.5	14.93	28.763	
4,300.0	4,288.2	4,282.4	4,277.2	10.5	4.7	-12.54	533.2	-253.6	429.5	414.5	14.96	28.707	
4,325.0	4,313.2	4,307.8	4,302.6	10.6	4.8	-12.52	533.3	-253.5	429.5	414.5	14.99	28.644	
4,350.0	4,338.2	4,331.6	4,326.5	10.6	4.8	-12.51	533.4	-253.4	429.6	414.5	15.03	28.578	
4,375.0	4,363.2	4,357.2	4,352.1	10.6	4.8	-12.50	533.5	-253.4	429.7	414.6	15.07	28.519	
4,400.0	4,388.2	4,383.9	4,378.7	10.6	4.8	-12.49	533.5	-253.4	429.7	414.6	15.10	28.458	
4,425.0	4,413.2	4,408.6	4,403.4	10.6	4.8	-12.49	533.5	-253.3	429.6	414.5	15.13	28.392	
4,439.6	4,427.8	4,422.8	4,417.7	10.7	4.8	-12.49	533.5	-253.3	429.6	414.5	15.15	28.353	
4,450.0	4,438.2	4,433.1	4,427.9	10.7	4.8	-12.49	533.5	-253.3	429.6	414.5	15.17	28.326	
4,475.0	4,463.2	4,457.7	4,452.5	10.7	4.9	-12.48	533.5	-253.3	429.6	414.4	15.20	28.260	
4,500.0	4,488.2	4,482.3	4,477.2	10.7	4.9	-12.47	533.6	-253.2	429.7	414.4	15.24	28.197	
4,525.0	4,513.2	4,507.5	4,502.3	10.7	4.9	-12.46	533.6	-253.1	429.7	414.5	15.27	28.134	
4,550.0	4,538.2	4,532.4	4,527.3	10.7	4.9	-12.46	533.7	-253.1	429.8	414.5	15.31	28.069	
4,575.0	4,563.2	4,556.3	4,551.1	10.8	4.9	-12.46	533.7	-253.1	429.9	414.5	15.35	28.003	
4,600.0	4,588.2	4,579.9	4,574.7	10.8	5.0	-12.45	533.9	-253.1	430.0	414.6	15.39	27.945	
4,625.0	4,613.2	4,607.5	4,602.4	10.8	5.0	-12.46	534.0	-253.2	430.1	414.7	15.42	27.890	
4,650.0	4,638.2	4,632.1	4,626.9	10.8	5.0	-12.48	534.0	-253.4	430.2	414.7	15.46	27.827	
4,675.0	4,663.2	4,658.3	4,653.1	10.8	5.0	-12.50	534.0	-253.6	430.2	414.7	15.49	27.765	
4,700.0	4,688.2	4,683.4	4,678.2	10.9	5.0	-12.53	534.0	-253.7	430.2	414.7	15.53	27.700	
4,702.3	4,690.5	4,685.6	4,680.4	10.9	5.0	-12.53	534.0	-253.7	430.2	414.7	15.53	27.693	
4,725.0	4,713.2	4,707.8	4,702.6	10.9	5.0	-12.54	534.0	-253.8	430.2	414.7	15.57	27.635	
4,750.0	4,738.2	4,733.0	4,727.8	10.9	5.0	-12.56	533.9	-254.0	430.2	414.6	15.60	27.572	
4,775.0	4,763.2	4,757.6	4,752.4	10.9	5.0	-12.58	533.9	-254.1	430.3	414.6	15.64	27.508	
4,800.0	4,788.2	4,782.3	4,777.1	10.9	5.0	-12.59	534.0	-254.2	430.3	414.6	15.68	27.445	
4,825.0	4,813.2	4,807.1	4,801.9	11.0	5.0	-12.61	534.0	-254.4	430.4	414.7	15.72	27.384	
4,850.0	4,838.2	4,832.7	4,827.5	11.0	5.0	-12.64	534.0	-254.6	430.4	414.7	15.75	27.325	
4,875.0	4,863.2	4,858.8	4,853.6	11.0	5.0	-12.67	533.9	-254.8	430.4	414.6	15.79	27.262	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,900.0	4,888.2	4,883.7	4,878.5	11.0	5.0	-12.70	533.9	-255.0	430.4	414.6	15.83	27.197	
4,925.0	4,913.2	4,908.5	4,903.3	11.0	5.0	-12.73	533.8	-255.2	430.4	414.5	15.86	27.133	
4,939.4	4,927.6	4,922.7	4,917.5	11.0	5.0	-12.74	533.8	-255.3	430.4	414.5	15.88	27.096	
4,950.0	4,938.2	4,933.2	4,928.0	11.1	5.0	-12.75	533.8	-255.4	430.4	414.5	15.90	27.070	
4,975.0	4,963.2	4,958.3	4,953.1	11.1	5.0	-12.78	533.7	-255.6	430.4	414.5	15.94	27.008	
5,000.0	4,988.2	4,983.7	4,978.5	11.1	5.0	-12.80	533.7	-255.8	430.4	414.4	15.97	26.946	
5,025.0	5,013.2	5,008.6	5,003.4	11.1	5.0	-12.84	533.6	-256.0	430.4	414.3	16.01	26.883	
5,050.0	5,038.2	5,034.1	5,028.9	11.1	5.0	-12.88	533.5	-256.3	430.3	414.3	16.05	26.820	
5,075.0	5,063.2	5,060.4	5,055.2	11.2	5.0	-12.92	533.3	-256.6	430.2	414.2	16.08	26.755	
5,100.0	5,088.2	5,085.5	5,080.3	11.2	5.0	-12.97	533.1	-256.9	430.1	414.0	16.12	26.686	
5,125.0	5,113.2	5,110.0	5,104.8	11.2	5.0	-13.01	533.0	-257.2	430.0	413.8	16.15	26.617	
5,150.0	5,138.2	5,134.5	5,129.3	11.2	5.0	-13.05	532.8	-257.4	429.9	413.7	16.19	26.550	
5,175.0	5,163.2	5,159.7	5,154.5	11.2	5.0	-13.09	532.7	-257.8	429.8	413.6	16.23	26.485	
5,200.0	5,188.2	5,185.8	5,180.6	11.3	5.0	-13.14	532.5	-258.1	429.7	413.5	16.27	26.420	
5,225.0	5,213.2	5,211.1	5,205.9	11.3	5.0	-13.18	532.2	-258.3	429.6	413.3	16.30	26.351	
5,250.0	5,238.2	5,234.7	5,229.5	11.3	5.0	-13.21	532.1	-258.6	429.4	413.1	16.34	26.281	
5,272.9	5,261.0	5,256.2	5,250.9	11.3	5.0	-13.22	532.0	-258.6	429.4	413.0	16.37	26.224	
5,275.0	5,263.2	5,258.2	5,253.0	11.3	5.0	-13.22	532.0	-258.6	429.4	413.0	16.38	26.220	
5,300.0	5,288.2	5,281.9	5,276.7	11.3	5.0	-13.17	532.1	-258.2	429.4	413.0	16.41	26.168	
5,325.0	5,313.2	5,305.9	5,300.7	11.4	5.0	-13.08	532.4	-257.6	429.6	413.1	16.44	26.124	
5,350.0	5,338.2	5,331.2	5,326.0	11.4	5.1	-12.98	532.7	-256.9	429.7	413.2	16.47	26.083	
5,375.0	5,363.2	5,355.1	5,349.8	11.4	5.1	-12.88	533.0	-256.2	429.9	413.4	16.51	26.043	
5,400.0	5,388.2	5,380.6	5,375.3	11.4	5.1	-12.78	533.4	-255.5	430.0	413.5	16.54	26.007	
5,425.0	5,413.2	5,405.0	5,399.8	11.4	5.1	-12.68	533.7	-254.8	430.2	413.6	16.57	25.968	
5,450.0	5,438.2	5,429.5	5,424.2	11.4	5.2	-12.57	534.1	-254.1	430.4	413.8	16.60	25.933	
5,475.0	5,463.2	5,455.2	5,449.9	11.5	5.2	-12.47	534.5	-253.3	430.6	414.0	16.63	25.899	
5,500.0	5,488.2	5,479.6	5,474.3	11.5	5.2	-12.36	534.8	-252.6	430.8	414.2	16.66	25.862	
5,525.0	5,513.2	5,503.3	5,498.0	11.5	5.2	-12.24	535.2	-251.8	431.1	414.4	16.69	25.829	
5,550.0	5,538.2	5,527.6	5,522.2	11.5	5.2	-12.10	535.8	-250.8	431.4	414.7	16.72	25.803	
5,575.0	5,563.2	5,552.5	5,547.1	11.5	5.3	-11.95	536.3	-249.8	431.7	415.0	16.75	25.780	
5,600.0	5,588.2	5,577.2	5,571.7	11.6	5.3	-11.79	536.9	-248.7	432.1	415.3	16.78	25.757	
5,625.0	5,613.2	5,601.8	5,596.3	11.6	5.3	-11.64	537.5	-247.6	432.5	415.7	16.80	25.736	
5,650.0	5,638.2	5,625.9	5,620.4	11.6	5.3	-11.48	538.2	-246.6	432.9	416.1	16.83	25.716	
5,675.0	5,663.2	5,651.3	5,645.8	11.6	5.4	-11.32	538.8	-245.4	433.3	416.5	16.86	25.699	
5,700.0	5,688.2	5,677.4	5,671.9	11.6	5.4	-11.16	539.5	-244.3	433.7	416.8	16.89	25.681	
5,725.0	5,713.2	5,701.4	5,695.8	11.7	5.4	-11.01	540.0	-243.3	434.1	417.2	16.92	25.659	
5,750.0	5,738.2	5,728.6	5,723.0	11.7	5.4	-10.85	540.6	-242.2	434.4	417.5	16.94	25.640	
5,775.0	5,763.2	5,753.8	5,748.2	11.7	5.5	-10.71	541.1	-241.1	434.7	417.8	16.97	25.613	
5,800.0	5,788.2	5,779.1	5,773.4	11.7	5.5	-10.56	541.6	-240.1	435.0	418.0	17.00	25.586	
5,825.0	5,813.2	5,804.1	5,798.4	11.7	5.5	-10.41	542.1	-239.1	435.3	418.2	17.03	25.558	
5,850.0	5,838.2	5,829.1	5,823.4	11.8	5.5	-10.27	542.5	-238.0	435.5	418.5	17.06	25.530	
5,875.0	5,863.2	5,854.3	5,848.6	11.8	5.6	-10.13	543.0	-237.0	435.8	418.7	17.09	25.502	
5,900.0	5,888.2	5,880.1	5,874.4	11.8	5.6	-9.99	543.4	-236.1	436.0	418.9	17.12	25.473	
5,925.0	5,913.2	5,906.1	5,900.3	11.8	5.6	-9.87	543.8	-235.2	436.2	419.1	17.15	25.441	
5,950.0	5,938.2	5,932.2	5,926.4	11.8	5.6	-9.74	544.1	-234.3	436.4	419.2	17.18	25.405	
5,975.0	5,963.2	5,957.5	5,951.7	11.9	5.7	-9.63	544.3	-233.4	436.4	419.2	17.21	25.365	
6,000.0	5,988.2	5,982.3	5,976.5	11.9	5.7	-9.52	544.5	-232.6	436.5	419.3	17.24	25.326	
6,025.0	6,013.2	6,007.9	6,002.0	11.9	5.7	-9.41	544.7	-231.8	436.6	419.3	17.27	25.285	
6,050.0	6,038.2	6,032.1	6,026.3	11.9	5.7	-9.31	544.9	-231.0	436.7	419.4	17.30	25.243	
6,075.0	6,063.2	6,057.7	6,051.8	11.9	5.8	-9.21	545.1	-230.3	436.8	419.5	17.33	25.203	
6,100.0	6,088.2	6,083.7	6,077.8	12.0	5.8	-9.12	545.3	-229.6	436.8	419.5	17.36	25.161	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
6,125.0	6,113.2	6,108.8	6,103.0	12.0	5.8	-9.03	545.4	-229.0	436.8	419.4	17.39	25.115	
6,150.0	6,138.2	6,134.2	6,128.3	12.0	5.8	-8.94	545.5	-228.3	436.8	419.4	17.42	25.071	
6,175.0	6,163.2	6,160.0	6,154.1	12.0	5.8	-8.86	545.6	-227.7	436.8	419.3	17.46	25.023	
6,200.0	6,188.2	6,184.0	6,178.1	12.0	5.9	-8.77	545.6	-227.0	436.8	419.3	17.49	24.974	
6,201.1	6,189.3	6,185.1	6,179.2	12.0	5.9	-8.77	545.6	-227.0	436.8	419.3	17.49	24.972	
6,225.0	6,213.2	6,207.8	6,201.9	12.1	5.9	-8.70	545.8	-226.5	436.8	419.3	17.52	24.928	
6,250.0	6,238.2	6,232.1	6,226.2	12.1	5.9	-8.63	545.9	-226.0	436.9	419.3	17.56	24.886	
6,275.0	6,263.2	6,257.7	6,251.8	12.1	5.9	-8.56	546.1	-225.4	437.0	419.4	17.59	24.844	
6,300.0	6,288.2	6,282.8	6,276.9	12.1	6.0	-8.50	546.2	-225.0	437.0	419.4	17.62	24.801	
6,325.0	6,313.2	6,307.3	6,301.3	12.1	6.0	-8.44	546.4	-224.5	437.1	419.5	17.66	24.758	
6,350.0	6,338.2	6,332.4	6,326.5	12.2	6.0	-8.37	546.6	-224.0	437.2	419.5	17.69	24.716	
6,375.0	6,363.2	6,356.3	6,350.3	12.2	6.0	-8.30	546.8	-223.5	437.3	419.6	17.72	24.675	
6,400.0	6,388.2	6,381.0	6,375.0	12.2	6.1	-8.23	547.0	-223.1	437.5	419.8	17.76	24.637	
6,425.0	6,413.2	6,405.8	6,399.8	12.2	6.1	-8.17	547.2	-222.6	437.7	419.9	17.79	24.599	
6,450.0	6,438.2	6,429.3	6,423.4	12.2	6.1	-8.13	547.5	-222.3	437.9	420.1	17.83	24.561	
6,475.0	6,463.2	6,452.9	6,446.9	12.3	6.1	-8.09	547.8	-222.1	438.2	420.4	17.87	24.526	
6,500.0	6,488.2	6,477.7	6,471.7	12.3	6.2	-8.05	548.2	-221.8	438.6	420.7	17.90	24.496	
6,525.0	6,513.2	6,502.7	6,496.8	12.3	6.2	-8.01	548.6	-221.5	439.0	421.0	17.94	24.466	
6,550.0	6,538.2	6,526.6	6,520.7	12.3	6.2	-7.97	549.0	-221.3	439.3	421.4	17.98	24.436	
6,575.0	6,563.2	6,550.0	6,544.0	12.3	6.2	-7.90	549.5	-220.9	439.8	421.8	18.02	24.412	
6,600.0	6,588.2	6,574.3	6,568.3	12.4	6.3	-7.81	550.2	-220.2	440.3	422.3	18.05	24.395	
6,625.0	6,613.2	6,598.8	6,592.8	12.4	6.3	-7.72	550.8	-219.6	440.9	422.8	18.09	24.380	
6,650.0	6,638.2	6,623.7	6,617.7	12.4	6.3	-7.62	551.5	-218.9	441.5	423.4	18.12	24.366	
6,675.0	6,663.2	6,648.5	6,642.5	12.4	6.3	-7.53	552.2	-218.3	442.1	423.9	18.15	24.353	
6,700.0	6,688.2	6,673.1	6,667.0	12.4	6.4	-7.43	552.9	-217.6	442.7	424.5	18.19	24.340	
6,725.0	6,713.2	6,698.2	6,692.2	12.5	6.4	-7.34	553.6	-217.0	443.3	425.1	18.22	24.328	
6,750.0	6,738.2	6,723.0	6,716.9	12.5	6.4	-7.25	554.3	-216.4	444.0	425.7	18.26	24.316	
6,775.0	6,763.2	6,748.7	6,742.6	12.5	6.4	-7.17	555.0	-215.9	444.6	426.3	18.29	24.303	
6,800.0	6,788.2	6,773.2	6,767.1	12.5	6.5	-7.09	555.6	-215.4	445.2	426.8	18.33	24.288	
6,825.0	6,813.2	6,798.2	6,792.1	12.5	6.5	-7.02	556.3	-214.9	445.8	427.4	18.36	24.274	
6,850.0	6,838.2	6,824.9	6,818.7	12.6	6.5	-6.94	557.0	-214.3	446.4	428.0	18.40	24.260	
6,875.0	6,863.2	6,850.0	6,843.8	12.6	6.5	-6.87	557.6	-213.9	446.9	428.5	18.44	24.241	
6,900.0	6,888.2	6,874.0	6,867.8	12.6	6.6	-6.80	558.2	-213.4	447.4	429.0	18.47	24.222	
6,925.0	6,913.2	6,897.5	6,891.3	12.6	6.6	-6.73	558.8	-212.9	448.1	429.5	18.51	24.206	
6,950.0	6,938.2	6,922.6	6,916.4	12.6	6.6	-6.64	559.5	-212.3	448.7	430.2	18.55	24.195	
6,975.0	6,963.2	6,946.6	6,940.3	12.7	6.7	-6.54	560.3	-211.6	449.4	430.8	18.58	24.185	
7,000.0	6,988.2	6,970.7	6,964.4	12.7	6.7	-6.42	561.1	-210.7	450.1	431.5	18.62	24.179	
7,025.0	7,013.2	6,994.5	6,988.2	12.7	6.7	-6.29	562.0	-209.8	450.9	432.3	18.65	24.176	
7,050.0	7,038.2	7,019.4	7,013.1	12.7	6.7	-6.16	562.9	-208.8	451.7	433.1	18.69	24.177	
7,075.0	7,063.2	7,044.4	7,038.0	12.7	6.8	-6.04	563.8	-208.0	452.6	433.9	18.72	24.177	
7,100.0	7,088.2	7,069.1	7,062.7	12.8	6.8	-5.94	564.7	-207.3	453.4	434.7	18.76	24.175	
7,125.0	7,113.2	7,093.7	7,087.2	12.8	6.8	-5.85	565.6	-206.6	454.3	435.5	18.79	24.174	
7,150.0	7,138.2	7,117.5	7,111.0	12.8	6.8	-5.76	566.6	-206.1	455.2	436.3	18.83	24.173	
7,175.0	7,163.2	7,143.2	7,136.7	12.8	6.9	-5.67	567.6	-205.5	456.1	437.3	18.87	24.176	
7,200.0	7,188.2	7,170.1	7,163.6	12.8	6.9	-5.59	568.6	-204.9	457.0	438.1	18.90	24.176	
7,225.0	7,213.2	7,195.1	7,188.6	12.9	6.9	-5.52	569.4	-204.4	457.7	438.8	18.94	24.170	
7,250.0	7,238.2	7,218.4	7,211.9	12.9	6.9	-5.44	570.2	-203.9	458.6	439.6	18.98	24.164	
7,275.0	7,263.2	7,241.6	7,235.0	12.9	7.0	-5.37	571.1	-203.4	459.5	440.5	19.02	24.162	
7,300.0	7,288.2	7,264.9	7,258.4	12.9	7.0	-5.30	572.1	-202.9	460.5	441.5	19.06	24.165	
7,325.0	7,313.2	7,290.1	7,283.5	12.9	7.0	-5.23	573.3	-202.5	461.6	442.5	19.10	24.174	
7,350.0	7,338.2	7,315.9	7,309.2	13.0	7.0	-5.16	574.4	-202.0	462.7	443.5	19.13	24.181	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,375.0	7,363.2	7,341.4	7,334.7	13.0	7.1	-5.09	575.5	-201.5	463.7	444.5	19.17	24.186	
7,400.0	7,388.2	7,367.3	7,360.6	13.0	7.1	-5.02	576.5	-201.0	464.6	445.4	19.21	24.189	
7,425.0	7,413.2	7,395.1	7,388.4	13.0	7.1	-4.92	577.6	-200.3	465.5	446.3	19.24	24.192	
7,450.0	7,438.2	7,421.2	7,414.4	13.0	7.1	-4.80	578.4	-199.4	466.3	447.0	19.28	24.187	
7,475.0	7,463.2	7,446.3	7,439.6	13.0	7.2	-4.68	579.2	-198.5	467.0	447.7	19.31	24.181	
7,500.0	7,488.2	7,470.1	7,463.3	13.1	7.2	-4.57	580.0	-197.7	467.7	448.4	19.35	24.173	
7,525.0	7,513.2	7,495.0	7,488.2	13.1	7.2	-4.47	580.9	-196.9	468.5	449.2	19.39	24.168	
7,550.0	7,538.2	7,520.2	7,513.3	13.1	7.3	-4.38	581.7	-196.2	469.3	449.9	19.42	24.163	
7,575.0	7,563.2	7,546.2	7,539.3	13.1	7.3	-4.28	582.6	-195.5	470.1	450.6	19.46	24.157	
7,600.0	7,588.2	7,571.5	7,564.6	13.1	7.3	-4.20	583.4	-194.9	470.8	451.3	19.50	24.147	
7,625.0	7,613.2	7,597.4	7,590.4	13.2	7.3	-4.12	584.1	-194.3	471.5	452.0	19.54	24.137	
7,650.0	7,638.2	7,624.4	7,617.4	13.2	7.4	-4.04	584.8	-193.7	472.1	452.6	19.57	24.124	
7,675.0	7,663.2	7,651.9	7,644.9	13.2	7.4	-3.96	585.4	-193.0	472.6	453.0	19.61	24.105	
7,700.0	7,688.2	7,679.7	7,672.7	13.2	7.4	-3.86	585.9	-192.2	473.0	453.4	19.64	24.083	
7,725.0	7,713.2	7,711.6	7,704.6	13.2	7.5	-3.66	586.1	-190.6	473.1	453.4	19.67	24.050	
7,750.0	7,738.2	7,737.3	7,730.3	13.3	7.5	-3.47	586.1	-189.0	473.0	453.3	19.70	24.008	
7,775.0	7,763.2	7,762.3	7,755.2	13.3	7.5	-3.28	586.1	-187.5	472.8	453.1	19.73	23.966	
7,800.0	7,788.2	7,788.7	7,781.5	13.3	7.5	-3.09	586.0	-185.9	472.7	453.0	19.76	23.923	
7,825.0	7,813.2	7,816.2	7,809.0	13.3	7.6	-2.91	585.8	-184.3	472.5	452.7	19.79	23.874	
7,850.0	7,838.2	7,843.2	7,836.0	13.3	7.6	-2.74	585.5	-182.9	472.1	452.3	19.82	23.820	
7,875.0	7,863.2	7,870.1	7,862.8	13.4	7.6	-2.58	585.0	-181.6	471.6	451.8	19.85	23.760	
7,900.0	7,888.2	7,896.2	7,888.8	13.4	7.6	-2.42	584.5	-180.3	471.1	451.2	19.88	23.697	
7,925.0	7,913.2	7,922.3	7,914.9	13.4	7.7	-2.27	584.0	-179.1	470.5	450.6	19.91	23.631	
7,950.0	7,938.2	7,948.1	7,940.7	13.4	7.7	-2.13	583.3	-177.8	469.8	449.9	19.94	23.563	
7,975.0	7,963.2	7,973.8	7,966.4	13.4	7.7	-1.98	582.7	-176.6	469.1	449.2	19.97	23.493	
8,000.0	7,988.2	8,001.3	7,993.8	13.5	7.7	-1.83	581.9	-175.4	468.4	448.4	20.00	23.418	
8,025.0	8,013.2	8,028.9	8,021.4	13.5	7.7	-1.69	580.9	-174.1	467.4	447.4	20.03	23.337	
8,050.0	8,038.2	8,055.1	8,047.5	13.5	7.8	-1.55	579.9	-173.0	466.4	446.4	20.06	23.252	
8,075.0	8,063.2	8,081.9	8,074.3	13.5	7.8	-1.41	578.7	-171.8	465.3	445.2	20.09	23.161	
8,100.0	8,088.2	8,107.0	8,099.3	13.5	7.8	-1.28	577.6	-170.8	464.2	444.1	20.12	23.071	
8,125.0	8,113.2	8,133.3	8,125.6	13.6	7.8	-1.15	576.4	-169.7	463.0	442.9	20.15	22.977	
8,150.0	8,138.2	8,157.9	8,150.2	13.6	7.8	-1.04	575.2	-168.8	461.8	441.6	20.18	22.884	
8,175.0	8,163.2	8,182.0	8,174.2	13.6	7.8	-0.93	574.1	-167.9	460.6	440.4	20.21	22.795	
8,200.0	8,188.2	8,206.4	8,198.6	13.6	7.9	-0.83	573.0	-167.1	459.5	439.3	20.24	22.707	
8,225.0	8,213.2	8,230.2	8,222.3	13.6	7.9	-0.73	572.0	-166.2	458.4	438.1	20.26	22.621	
8,250.0	8,238.2	8,250.0	8,242.1	13.7	7.9	-0.63	571.3	-165.4	457.5	437.2	20.29	22.548	
8,275.0	8,263.2	8,269.7	8,261.8	13.7	7.9	-0.52	570.8	-164.6	456.9	436.6	20.32	22.487	
8,300.0	8,288.2	8,291.7	8,283.8	13.7	7.9	-0.40	570.4	-163.6	456.5	436.1	20.35	22.435	
8,325.0	8,313.2	8,315.2	8,307.2	13.7	7.9	-0.27	570.2	-162.6	456.2	435.9	20.38	22.388	
8,350.0	8,338.2	8,340.2	8,332.2	13.7	8.0	-0.15	570.0	-161.6	456.0	435.6	20.41	22.342	
8,375.0	8,363.2	8,365.4	8,357.4	13.8	8.0	-0.02	569.8	-160.6	455.8	435.3	20.44	22.295	
8,400.0	8,388.2	8,389.4	8,381.4	13.8	8.0	0.09	569.5	-159.7	455.6	435.1	20.48	22.250	
8,425.0	8,413.2	8,412.4	8,404.4	13.8	8.0	0.21	569.4	-158.7	455.4	434.9	20.51	22.208	
8,450.0	8,438.2	8,436.2	8,428.1	13.8	8.1	0.32	569.4	-157.8	455.4	434.9	20.54	22.170	
8,470.9	8,459.1	8,457.1	8,449.0	13.8	8.1	0.42	569.4	-157.1	455.4	434.8	20.57	22.140	
8,475.0	8,463.2	8,461.1	8,453.0	13.8	8.1	0.44	569.4	-156.9	455.4	434.8	20.58	22.134	
8,500.0	8,488.2	8,485.0	8,476.9	13.9	8.1	0.55	569.4	-156.0	455.4	434.8	20.61	22.098	
8,525.0	8,513.2	8,508.2	8,500.1	13.9	8.1	0.65	569.5	-155.2	455.6	434.9	20.64	22.066	
8,550.0	8,538.2	8,532.2	8,524.1	13.9	8.2	0.76	569.7	-154.4	455.8	435.1	20.68	22.038	
8,575.0	8,563.2	8,556.7	8,548.6	13.9	8.2	0.90	569.9	-153.3	456.0	435.3	20.72	22.012	
8,600.0	8,588.2	8,582.5	8,574.3	13.9	8.2	1.08	570.2	-151.8	456.3	435.5	20.75	21.990	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,625.0	8,613.2	8,612.3	8,604.0	14.0	8.3	1.28	570.2	-150.2	456.3	435.5	20.78	21.959	
8,650.0	8,638.2	8,638.1	8,629.9	14.0	8.3	1.43	570.1	-149.0	456.2	435.4	20.81	21.921	
8,675.0	8,663.2	8,664.7	8,656.4	14.0	8.3	1.59	569.9	-147.7	456.1	435.2	20.84	21.881	
8,700.0	8,688.2	8,692.8	8,684.4	14.0	8.3	1.77	569.6	-146.4	455.8	434.9	20.88	21.834	
8,725.0	8,713.2	8,715.5	8,707.2	14.0	8.4	1.91	569.3	-145.2	455.5	434.6	20.90	21.792	
8,750.0	8,738.2	8,738.1	8,729.7	14.1	8.4	2.05	569.1	-144.1	455.4	434.4	20.93	21.755	
8,765.6	8,753.8	8,752.1	8,743.7	14.1	8.4	2.14	569.0	-143.4	455.4	434.4	20.95	21.735	
8,775.0	8,763.2	8,760.6	8,752.2	14.1	8.4	2.19	569.0	-143.0	455.4	434.4	20.96	21.724	
8,800.0	8,788.2	8,783.1	8,774.6	14.1	8.4	2.33	569.1	-141.9	455.5	434.5	20.99	21.699	
8,825.0	8,813.2	8,810.0	8,801.5	14.1	8.4	2.50	569.3	-140.5	455.8	434.7	21.02	21.685	
8,850.0	8,838.2	8,831.3	8,822.8	14.1	8.4	2.64	569.6	-139.4	456.1	435.0	21.05	21.668	
8,875.0	8,863.2	8,857.8	8,849.2	14.2	8.4	2.78	569.8	-138.2	456.3	435.2	21.07	21.655	
8,900.0	8,888.2	8,884.3	8,875.7	14.2	8.4	2.91	569.9	-137.2	456.5	435.4	21.10	21.637	
8,925.0	8,913.2	8,910.5	8,902.0	14.2	8.4	3.03	569.9	-136.3	456.6	435.5	21.12	21.614	
8,950.0	8,938.2	8,936.0	8,927.4	14.2	8.4	3.12	569.9	-135.5	456.6	435.5	21.15	21.586	
8,975.0	8,963.2	8,961.8	8,953.2	14.2	8.5	3.21	569.9	-134.9	456.6	435.5	21.18	21.556	
9,000.0	8,988.2	8,988.7	8,980.1	14.3	8.5	3.28	569.8	-134.2	456.6	435.4	21.22	21.521	
9,025.0	9,013.2	9,015.7	9,007.1	14.3	8.5	3.35	569.6	-133.7	456.4	435.2	21.25	21.481	
9,050.0	9,038.2	9,042.2	9,033.6	14.3	8.5	3.41	569.3	-133.3	456.2	434.9	21.28	21.434	
9,075.0	9,063.2	9,068.3	9,059.7	14.3	8.5	3.46	568.9	-132.9	455.8	434.5	21.32	21.383	
9,100.0	9,088.2	9,294.7	9,275.2	14.3	8.7	6.84	513.8	-112.4	448.4	424.4	23.95	18.719	
9,125.0	9,113.2	9,350.1	9,323.0	14.4	8.7	8.58	486.9	-104.1	436.6	411.8	24.81	17.600	
9,150.0	9,138.2	9,404.9	9,368.0	14.4	8.8	10.55	456.7	-96.6	423.2	397.4	25.76	16.431	
9,175.0	9,163.2	9,457.7	9,409.3	14.4	8.9	12.62	424.2	-90.9	408.3	381.5	26.76	15.254	
9,200.0	9,188.2	9,497.8	9,439.1	14.4	8.9	14.21	397.7	-88.6	392.1	364.6	27.47	14.273	
9,225.0	9,213.2	9,531.3	9,463.1	14.4	9.0	15.58	374.3	-87.8	375.1	347.0	28.03	13.382	
9,250.0	9,238.2	9,561.6	9,484.2	14.5	9.1	16.94	352.5	-87.8	357.4	328.9	28.52	12.531	
9,275.0	9,263.2	9,584.0	9,499.4	14.5	9.1	18.12	336.0	-87.7	339.5	310.7	28.77	11.799	
9,300.0	9,288.2	9,607.3	9,514.7	14.5	9.2	19.60	318.6	-87.6	321.2	292.1	29.06	11.051	
9,325.0	9,313.2	9,630.9	9,529.9	14.5	9.2	21.45	300.5	-87.1	302.6	273.2	29.40	10.294	
9,350.0	9,338.2	9,652.9	9,543.5	14.5	9.3	23.61	283.2	-86.5	283.7	254.0	29.68	9.558	
9,375.0	9,363.2	9,672.6	9,555.3	14.6	9.3	26.05	267.4	-85.4	264.7	234.8	29.88	8.858	
9,400.0	9,388.2	9,691.0	9,565.9	14.6	9.4	28.91	252.5	-83.9	245.6	215.5	30.02	8.181	
9,425.0	9,413.2	9,709.2	9,576.0	14.6	9.4	32.41	237.5	-82.0	226.5	196.3	30.12	7.518	
9,450.0	9,438.2	9,726.1	9,584.9	14.6	9.5	36.40	223.3	-79.8	207.4	177.3	30.13	6.884	
9,475.0	9,463.2	9,741.6	9,592.7	14.6	9.5	40.77	210.1	-77.5	188.7	158.7	30.00	6.291	
9,500.0	9,488.2	9,758.7	9,601.0	14.7	9.6	46.45	195.4	-74.8	170.4	140.6	29.86	5.708	
9,525.0	9,513.2	9,774.6	9,608.4	14.7	9.6	52.51	181.4	-72.5	152.8	123.3	29.53	5.175	
9,550.0	9,538.2	9,789.2	9,614.8	14.7	9.7	58.77	168.4	-70.6	136.2	107.3	28.91	4.711	
9,575.0	9,563.2	9,802.8	9,620.4	14.7	9.7	65.23	156.2	-68.9	121.2	93.3	27.94	4.338	
9,600.0	9,588.2	9,814.8	9,625.1	14.7	9.8	71.37	145.3	-67.5	108.7	82.2	26.56	4.095	
9,625.0	9,613.2	9,825.3	9,629.0	14.8	9.8	77.08	135.6	-66.3	100.0	74.9	25.04	3.993	
9,650.0	9,638.2	9,834.6	9,632.2	14.8	9.8	82.29	126.9	-65.2	96.2	72.0	24.11	3.988 SF	
9,654.7	9,642.9	9,836.3	9,632.8	14.8	9.9	83.21	125.4	-65.0	96.1	72.0	24.07	3.990 CC, ES	
9,675.0	9,663.2	9,843.2	9,635.0	14.8	9.9	87.10	118.9	-64.3	97.9	73.5	24.49	3.999	
9,700.0	9,688.2	9,851.1	9,637.5	14.8	9.9	91.54	111.4	-63.4	105.2	79.2	26.00	4.044	
9,725.0	9,713.2	9,858.4	9,639.7	14.8	9.9	95.57	104.5	-62.7	116.9	89.0	27.86	4.195	
9,750.0	9,738.2	9,865.1	9,641.6	14.9	10.0	99.21	98.1	-62.0	131.9	102.4	29.54	4.467	
9,775.0	9,763.2	9,871.4	9,643.4	14.9	10.0	102.48	92.1	-61.5	149.4	118.5	30.88	4.837	
9,800.0	9,788.2	9,877.2	9,644.9	14.9	10.0	105.43	86.5	-61.0	168.5	136.5	31.91	5.279	
9,825.0	9,813.2	9,885.0	9,646.9	14.9	10.0	109.27	79.0	-60.3	188.8	156.1	32.65	5.781	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #702H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,850.0	9,838.2	9,887.9	9,647.7	14.9	10.1	110.65	76.2	-60.1	209.9	176.6	33.34	6.296	
9,875.0	9,863.2	9,893.4	9,649.0	15.0	10.1	113.14	70.9	-59.6	231.7	197.8	33.83	6.848	
9,900.0	9,888.2	9,898.6	9,650.3	15.0	10.1	115.45	65.8	-59.2	253.9	219.7	34.23	7.417	
9,925.0	9,913.2	9,903.7	9,651.5	15.0	10.1	117.60	60.9	-58.8	276.5	241.9	34.57	7.998	
9,950.0	9,938.2	9,908.7	9,652.6	15.0	10.1	119.58	56.1	-58.4	299.4	264.5	34.86	8.588	
9,975.0	9,963.2	9,913.4	9,653.7	15.0	10.2	121.42	51.5	-58.1	322.5	287.4	35.11	9.184	
10,000.0	9,988.2	9,918.1	9,654.8	15.1	10.2	123.14	47.0	-57.7	345.8	310.4	35.34	9.785	
10,000.4	9,988.6	9,918.1	9,654.8	15.1	10.2	123.16	46.9	-57.7	346.1	310.8	35.34	9.794	
10,025.0	10,013.2	9,922.1	9,655.7	15.1	10.2	117.54	43.1	-57.4	369.3	333.8	35.53	10.396	
10,050.0	10,038.1	9,924.9	9,656.3	15.1	10.2	109.94	40.3	-57.2	393.2	357.5	35.71	11.011	
10,075.0	10,062.9	9,926.7	9,656.7	15.1	10.2	100.27	38.6	-57.1	417.3	381.5	35.88	11.632	
10,100.0	10,087.5	9,932.0	9,657.8	15.1	10.2	91.20	33.4	-56.7	441.6	405.6	35.98	12.274	
10,125.0	10,111.8	9,932.0	9,657.8	15.1	10.2	78.56	33.4	-56.7	466.0	429.8	36.12	12.902	
10,150.0	10,135.8	9,925.9	9,656.5	15.1	10.2	63.51	39.4	-57.2	490.3	454.0	36.29	13.510	
10,175.0	10,159.3	9,923.7	9,656.0	15.1	10.2	52.49	41.5	-57.3	514.5	478.1	36.40	14.135	
10,200.0	10,182.4	9,920.7	9,655.4	15.1	10.2	43.42	44.4	-57.5	538.6	502.1	36.50	14.758	
10,225.0	10,205.0	9,916.8	9,654.5	15.1	10.2	36.22	48.2	-57.8	562.5	525.9	36.58	15.376	
10,250.0	10,227.0	9,912.2	9,653.4	15.1	10.2	30.59	52.7	-58.2	586.2	549.5	36.66	15.989	
10,275.0	10,248.3	9,906.8	9,652.2	15.2	10.1	26.17	57.9	-58.6	609.5	572.7	36.73	16.595	
10,300.0	10,268.9	9,900.7	9,650.8	15.2	10.1	22.66	63.8	-59.0	632.4	595.6	36.78	17.192	
10,325.0	10,288.8	9,894.0	9,649.1	15.2	10.1	19.85	70.3	-59.6	654.9	618.1	36.83	17.781	
10,350.0	10,307.8	9,885.0	9,646.9	15.2	10.0	17.47	79.0	-60.3	677.0	640.1	36.88	18.354	
10,375.0	10,325.9	9,885.0	9,646.9	15.2	10.0	16.00	79.0	-60.3	698.5	661.7	36.86	18.952	
10,400.0	10,343.1	9,885.0	9,646.9	15.2	10.0	14.74	79.0	-60.3	719.7	682.9	36.82	19.547	
10,425.0	10,359.4	9,868.4	9,642.6	15.2	10.0	13.05	94.9	-61.7	740.0	703.1	36.89	20.058	
10,450.0	10,374.6	9,862.0	9,640.7	15.2	10.0	11.98	101.1	-62.3	759.9	723.0	36.88	20.605	
10,475.0	10,388.8	9,855.3	9,638.8	15.3	9.9	11.06	107.5	-63.0	779.1	742.3	36.85	21.142	
10,500.0	10,401.9	9,838.0	9,633.3	15.3	9.9	10.00	123.7	-64.8	797.9	761.0	36.90	21.626	
10,525.0	10,413.8	9,838.0	9,633.3	15.3	9.9	9.48	123.7	-64.8	815.8	779.0	36.80	22.166	
10,550.0	10,424.6	9,838.0	9,633.3	15.3	9.9	9.02	123.7	-64.8	833.1	796.4	36.70	22.703	
10,575.0	10,434.2	9,838.0	9,633.3	15.3	9.9	8.61	123.7	-64.8	849.9	813.3	36.57	23.237	
10,600.0	10,442.5	9,821.7	9,627.7	15.4	9.8	7.96	138.9	-66.7	865.6	829.0	36.58	23.667	
10,625.0	10,449.7	9,815.1	9,625.3	15.4	9.8	7.54	145.0	-67.4	880.8	844.3	36.49	24.141	
10,650.0	10,455.5	9,808.5	9,622.7	15.4	9.7	7.16	151.1	-68.2	895.3	858.9	36.39	24.603	
10,675.0	10,460.1	9,790.0	9,615.1	15.4	9.7	6.67	167.8	-70.5	909.3	872.9	36.38	24.991	
10,700.0	10,463.4	9,790.0	9,615.1	15.5	9.7	6.46	167.8	-70.5	922.0	885.8	36.21	25.462	
10,725.0	10,465.4	9,790.0	9,615.1	15.5	9.7	6.28	167.8	-70.5	934.2	898.2	36.03	25.930	
10,745.4	10,466.0	9,790.0	9,615.1	15.5	9.7	6.14	167.8	-70.5	943.6	907.8	35.87	26.310	
10,750.0	10,466.0	9,790.0	9,615.1	15.5	9.7	6.14	167.8	-70.5	945.7	909.9	35.83	26.396	
10,775.0	10,466.3	9,768.8	9,605.7	15.6	9.6	5.88	186.6	-73.3	956.9	921.0	35.83	26.708	
10,800.0	10,466.6	9,759.8	9,601.5	15.6	9.6	5.76	194.4	-74.7	968.5	932.7	35.71	27.118	
10,825.0	10,466.8	9,743.0	9,593.5	15.6	9.5	5.54	208.9	-77.3	980.5	944.8	35.68	27.482	
10,850.0	10,467.1	9,743.0	9,593.5	15.7	9.5	5.54	208.9	-77.3	992.6	957.1	35.48	27.972	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-38.62	502.4	-401.3	643.1				
25.0	25.0	14.5	14.5	0.5	3.0	-38.62	502.4	-401.3	643.0				
50.0	50.0	40.6	40.6	0.5	3.0	-38.63	502.3	-401.3	642.9	638.2	4.72	136.074	
75.0	75.0	66.6	66.6	0.5	3.0	-38.64	502.1	-401.4	642.9	638.1	4.73	136.055	
100.0	100.0	92.7	92.7	0.5	3.0	-38.66	501.9	-401.5	642.7	638.0	4.73	136.025	
125.0	125.0	119.1	119.1	0.6	3.0	-38.69	501.5	-401.7	642.6	637.8	4.76	135.030	
150.0	150.0	144.8	144.8	0.8	3.0	-38.72	501.1	-401.8	642.3	637.5	4.80	133.836	
175.0	175.0	170.0	169.9	0.9	3.0	-38.76	500.7	-402.0	642.1	637.3	4.85	132.469	
200.0	200.0	193.5	193.5	1.0	3.0	-38.79	500.3	-402.1	641.9	637.0	4.90	130.954	
225.0	225.0	218.4	218.4	1.1	3.0	-38.82	500.0	-402.3	641.7	636.8	4.94	129.864	
250.0	250.0	243.3	243.3	1.2	3.0	-38.85	499.6	-402.4	641.6	636.6	4.98	128.716	
275.0	275.0	268.2	268.2	1.3	3.0	-38.87	499.3	-402.5	641.4	636.4	5.03	127.518	
300.0	300.0	292.9	292.9	1.4	3.0	-38.90	499.0	-402.7	641.2	636.2	5.08	126.278	
325.0	325.0	317.8	317.7	1.4	3.0	-38.93	498.7	-402.8	641.1	636.0	5.12	125.230	
350.0	350.0	343.4	343.4	1.5	3.0	-38.96	498.3	-403.0	640.9	635.8	5.16	124.153	
375.0	375.0	368.0	368.0	1.6	3.0	-38.99	498.0	-403.2	640.7	635.5	5.21	123.054	
400.0	400.0	393.9	393.9	1.6	3.0	-39.03	497.6	-403.4	640.6	635.3	5.25	121.935	
425.0	425.0	421.1	421.1	1.7	3.0	-39.06	497.2	-403.5	640.3	635.0	5.30	120.915	
450.0	450.0	446.7	446.7	1.8	3.0	-39.10	496.7	-403.6	640.0	634.7	5.34	119.870	
475.0	475.0	472.4	472.4	1.8	3.0	-39.13	496.2	-403.7	639.7	634.3	5.38	118.809	
500.0	500.0	497.3	497.2	1.9	3.1	-39.16	495.7	-403.7	639.4	634.0	5.43	117.738	
525.0	525.0	522.4	522.3	1.9	3.1	-39.19	495.3	-403.8	639.1	633.6	5.47	116.753	
550.0	550.0	547.3	547.3	2.0	3.1	-39.23	494.8	-403.9	638.7	633.2	5.52	115.763	
575.0	575.0	572.3	572.3	2.1	3.1	-39.25	494.3	-403.9	638.4	632.9	5.56	114.767	
600.0	600.0	597.1	597.0	2.1	3.1	-39.29	493.8	-404.0	638.1	632.5	5.61	113.770	
625.0	625.0	620.6	620.5	2.2	3.1	-39.32	493.4	-404.1	637.8	632.2	5.65	112.852	
650.0	650.0	643.9	643.8	2.2	3.1	-39.35	493.0	-404.2	637.6	631.9	5.70	111.952	
675.0	675.0	667.8	667.8	2.3	3.1	-39.38	492.7	-404.4	637.4	631.7	5.74	111.070	
700.0	700.0	689.8	689.7	2.3	3.1	-39.42	492.3	-404.7	637.3	631.5	5.78	110.218	
705.2	705.2	694.2	694.1	2.3	3.1	-39.43	492.3	-404.7	637.3	631.5	5.79	110.056	
725.0	725.0	711.9	711.8	2.4	3.1	-39.46	492.1	-405.0	637.3	631.5	5.82	109.456	
750.0	750.0	735.8	735.7	2.4	3.1	-39.50	491.8	-405.5	637.5	631.6	5.86	108.714	
775.0	775.0	759.7	759.6	2.5	3.1	-39.55	491.6	-406.0	637.6	631.7	5.90	107.981	
800.0	800.0	781.6	781.5	2.5	3.1	-39.59	491.5	-406.5	637.8	631.9	5.95	107.274	
825.0	825.0	802.5	802.4	2.6	3.1	-39.64	491.4	-407.0	638.2	632.2	5.98	106.642	
850.0	850.0	825.7	825.6	2.6	3.1	-39.69	491.4	-407.8	638.7	632.6	6.02	106.028	
875.0	875.0	851.0	850.9	2.6	3.2	-39.75	491.3	-408.6	639.2	633.1	6.06	105.413	
900.0	900.0	875.9	875.7	2.7	3.2	-39.81	491.3	-409.4	639.7	633.6	6.10	104.797	
925.0	925.0	901.5	901.3	2.7	3.2	-39.87	491.3	-410.3	640.2	634.1	6.14	104.207	
950.0	950.0	927.4	927.2	2.8	3.2	-39.94	491.1	-411.2	640.7	634.5	6.18	103.608	
975.0	975.0	952.4	952.1	2.8	3.2	-40.01	491.0	-412.1	641.1	634.9	6.22	103.009	
1,000.0	1,000.0	977.2	977.0	2.9	3.2	-40.08	490.8	-413.0	641.6	635.3	6.26	102.411	
1,025.0	1,025.0	1,001.0	1,000.8	2.9	3.2	-40.15	490.7	-413.9	642.1	635.8	6.30	101.847	
1,050.0	1,050.0	1,026.7	1,026.4	3.0	3.2	-40.23	490.5	-414.9	642.6	636.2	6.34	101.280	
1,075.0	1,075.0	1,051.9	1,051.6	3.0	3.2	-40.31	490.2	-416.0	643.1	636.7	6.39	100.712	
1,100.0	1,100.0	1,077.0	1,076.7	3.0	3.2	-40.40	490.0	-417.0	643.5	637.1	6.43	100.145	
1,125.0	1,125.0	1,101.2	1,100.8	3.1	3.2	-40.49	489.7	-418.1	644.0	637.6	6.47	99.607	
1,150.0	1,150.0	1,127.2	1,126.9	3.1	3.3	-40.58	489.4	-419.2	644.5	638.0	6.51	99.062	
1,175.0	1,175.0	1,151.3	1,150.9	3.2	3.3	-40.67	489.1	-420.3	645.0	638.4	6.55	98.527	
1,200.0	1,200.0	1,175.6	1,175.2	3.2	3.3	-40.76	488.8	-421.4	645.5	638.9	6.59	97.998	
1,225.0	1,225.0	1,200.7	1,200.3	3.2	3.3	-40.86	488.5	-422.5	646.0	639.4	6.63	97.488	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,250.0	1,250.0	1,225.3	1,224.8	3.3	3.3	-40.95	488.2	-423.7	646.6	639.9	6.67	96.983	
1,275.0	1,275.0	1,250.3	1,249.8	3.3	3.3	-41.05	487.9	-424.9	647.1	640.4	6.71	96.479	
1,300.0	1,300.0	1,275.1	1,274.6	3.4	3.3	-41.14	487.6	-426.0	647.7	640.9	6.75	95.979	
1,325.0	1,325.0	1,300.7	1,300.1	3.4	3.3	-41.24	487.3	-427.2	648.2	641.4	6.79	95.493	
1,350.0	1,350.0	1,325.4	1,324.8	3.4	3.4	-41.34	487.0	-428.4	648.7	641.9	6.83	95.011	
1,375.0	1,375.0	1,354.1	1,353.5	3.5	3.4	-41.44	486.6	-429.6	649.2	642.4	6.87	94.507	
1,400.0	1,400.0	1,383.1	1,382.4	3.5	3.4	-41.52	486.3	-430.5	649.5	642.6	6.91	93.979	
1,425.0	1,425.0	1,408.1	1,407.5	3.6	3.4	-41.58	486.0	-431.2	649.8	642.8	6.95	93.473	
1,450.0	1,450.0	1,433.2	1,432.5	3.6	3.4	-41.64	485.7	-431.9	650.0	643.0	6.99	92.969	
1,475.0	1,475.0	1,457.3	1,456.6	3.6	3.4	-41.70	485.5	-432.5	650.3	643.2	7.03	92.473	
1,500.0	1,500.0	1,480.5	1,479.8	3.7	3.4	-41.75	485.3	-433.2	650.6	643.5	7.07	91.990	
1,525.0	1,525.0	1,503.8	1,503.2	3.7	3.5	-41.81	485.2	-433.9	651.0	643.9	7.11	91.531	
1,550.0	1,550.0	1,528.6	1,527.9	3.8	3.5	-41.86	485.0	-434.6	651.4	644.2	7.15	91.074	
1,575.0	1,575.0	1,553.8	1,553.1	3.8	3.5	-41.92	484.9	-435.4	651.8	644.6	7.19	90.617	
1,600.0	1,600.0	1,578.4	1,577.7	3.8	3.5	-41.98	484.8	-436.2	652.2	645.0	7.23	90.165	
1,625.0	1,625.0	1,602.7	1,601.9	3.9	3.5	-42.04	484.7	-437.0	652.7	645.4	7.27	89.730	
1,650.0	1,650.0	1,629.8	1,629.1	3.9	3.5	-42.08	484.7	-437.7	653.1	645.8	7.32	89.280	
1,675.0	1,675.0	1,657.4	1,656.7	3.9	3.5	-42.09	484.8	-438.0	653.4	646.1	7.36	88.808	
1,700.0	1,700.0	1,682.9	1,682.2	4.0	3.5	-42.08	485.1	-438.1	653.7	646.3	7.40	88.337	
1,725.0	1,725.0	1,707.7	1,707.0	4.0	3.5	-42.08	485.4	-438.2	653.9	646.5	7.44	87.879	
1,750.0	1,750.0	1,732.4	1,731.6	4.1	3.5	-42.07	485.6	-438.3	654.2	646.7	7.48	87.424	
1,775.0	1,775.0	1,756.9	1,756.1	4.1	3.6	-42.06	485.9	-438.4	654.5	647.0	7.53	86.973	
1,800.0	1,800.0	1,781.4	1,780.6	4.1	3.6	-42.06	486.1	-438.6	654.8	647.2	7.57	86.525	
1,825.0	1,825.0	1,805.1	1,804.3	4.2	3.6	-42.06	486.4	-438.8	655.1	647.5	7.61	86.095	
1,850.0	1,850.0	1,829.0	1,828.2	4.2	3.6	-42.06	486.6	-439.1	655.5	647.9	7.65	85.671	
1,875.0	1,875.0	1,852.0	1,851.2	4.2	3.6	-42.07	486.8	-439.5	656.0	648.3	7.69	85.264	
1,900.0	1,900.0	1,875.6	1,874.8	4.3	3.6	-42.09	487.0	-439.9	656.5	648.7	7.74	84.865	
1,925.0	1,925.0	1,900.1	1,899.4	4.3	3.6	-42.11	487.3	-440.5	657.0	649.2	7.78	84.475	
1,950.0	1,950.0	1,925.4	1,924.6	4.3	3.6	-42.14	487.5	-441.1	657.6	649.7	7.82	84.084	
1,975.0	1,975.0	1,950.2	1,949.4	4.4	3.6	-42.16	487.7	-441.6	658.1	650.3	7.86	83.697	
2,000.0	2,000.0	1,976.4	1,975.6	4.4	3.7	-42.18	488.0	-442.2	658.6	650.7	7.91	83.301	
2,025.0	2,025.0	2,003.7	2,002.9	4.4	3.7	12.39	488.2	-442.7	659.0	651.0	7.97	82.735	
2,050.0	2,050.0	2,033.4	2,032.6	4.5	3.7	12.39	488.3	-443.1	659.0	651.0	8.03	82.039	
2,075.0	2,075.0	2,062.9	2,062.1	4.5	3.7	12.40	488.5	-443.2	658.6	650.5	8.11	81.237	
2,100.0	2,100.0	2,090.2	2,089.4	4.6	3.7	12.43	488.6	-443.1	657.9	649.7	8.19	80.367	
2,125.0	2,125.0	2,116.6	2,115.8	4.6	3.7	12.48	488.7	-442.9	656.9	648.6	8.27	79.423	
2,150.0	2,149.9	2,141.6	2,140.8	4.7	3.7	12.53	488.9	-442.6	655.6	647.3	8.36	78.456	
2,175.0	2,174.9	2,166.8	2,166.0	4.7	3.7	12.60	489.0	-442.3	654.2	645.7	8.44	77.469	
2,200.0	2,199.8	2,193.2	2,192.3	4.8	3.7	12.67	489.2	-441.9	652.5	643.9	8.53	76.457	
2,225.0	2,224.8	2,220.6	2,219.8	4.8	3.7	12.76	489.4	-441.4	650.5	641.9	8.62	75.428	
2,250.0	2,249.7	2,249.5	2,248.7	4.9	3.7	12.88	489.6	-440.7	648.2	639.5	8.72	74.372	
2,275.0	2,274.6	2,279.8	2,279.0	5.0	3.7	13.01	489.6	-439.8	645.4	636.6	8.81	73.287	
2,300.0	2,299.5	2,308.9	2,308.0	5.0	3.7	13.17	489.6	-438.6	642.3	633.4	8.90	72.173	
2,325.0	2,324.3	2,338.6	2,337.7	5.1	3.7	13.34	489.5	-437.1	638.8	629.8	8.99	71.024	
2,350.0	2,349.1	2,369.1	2,368.1	5.2	3.7	13.55	489.4	-435.3	634.9	625.8	9.09	69.845	
2,375.0	2,373.9	2,396.6	2,395.6	5.2	3.7	13.76	489.1	-433.5	630.6	621.4	9.19	68.639	
2,400.1	2,398.8	2,423.6	2,422.5	5.3	3.7	13.98	488.9	-431.6	626.0	616.7	9.29	67.418	
2,425.0	2,423.5	2,447.9	2,446.7	5.4	3.7	14.17	488.7	-429.8	621.2	611.9	9.36	66.360	
2,450.0	2,448.2	2,472.6	2,471.3	5.4	3.7	14.37	488.4	-427.9	616.5	607.1	9.44	65.314	
2,475.0	2,473.0	2,491.5	2,490.2	5.5	3.7	14.52	488.3	-426.6	611.9	602.3	9.52	64.286	
2,500.0	2,497.7	2,508.6	2,507.3	5.6	3.7	14.64	488.2	-425.6	607.5	597.9	9.60	63.300	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
2,525.0	2,522.5	2,525.0	2,523.7	5.6	3.7	14.74	488.2	-425.0	603.4	593.8	9.68	62.334	
2,550.0	2,547.2	2,543.6	2,542.2	5.7	3.7	14.84	488.2	-424.5	599.7	589.9	9.76	61.414	
2,575.0	2,572.0	2,564.9	2,563.5	5.7	3.7	14.94	488.3	-424.2	596.2	586.3	9.85	60.529	
2,600.0	2,596.8	2,588.5	2,587.2	5.8	3.7	15.05	488.4	-424.0	592.7	582.8	9.93	59.664	
2,625.0	2,621.5	2,613.0	2,611.7	5.9	3.7	15.16	488.5	-423.8	589.3	579.3	10.02	58.785	
2,650.0	2,646.3	2,637.6	2,636.2	6.0	3.7	15.27	488.6	-423.5	585.9	575.8	10.12	57.921	
2,675.0	2,671.0	2,662.4	2,661.1	6.0	3.7	15.39	488.7	-423.3	582.5	572.3	10.21	57.072	
2,700.0	2,695.8	2,687.4	2,686.0	6.1	3.7	15.51	488.9	-423.1	579.1	568.8	10.30	56.235	
2,725.0	2,720.5	2,712.0	2,710.7	6.2	3.7	15.63	489.0	-422.8	575.7	565.3	10.39	55.391	
2,750.0	2,745.3	2,736.5	2,735.2	6.2	3.7	15.74	489.1	-422.6	572.3	561.8	10.49	54.561	
2,775.0	2,770.1	2,761.3	2,760.0	6.3	3.7	15.86	489.2	-422.4	568.9	558.3	10.58	53.746	
2,800.0	2,794.8	2,786.5	2,785.2	6.4	3.7	15.99	489.3	-422.2	565.5	554.8	10.68	52.943	
2,825.0	2,819.6	2,811.3	2,810.0	6.5	3.7	16.10	489.4	-422.0	562.1	551.3	10.78	52.137	
2,850.0	2,844.3	2,836.0	2,834.7	6.5	3.7	16.22	489.5	-421.8	558.7	547.8	10.88	51.345	
2,875.0	2,869.1	2,860.0	2,858.7	6.6	3.7	16.34	489.5	-421.6	555.3	544.3	10.98	50.565	
2,900.0	2,893.8	2,883.7	2,882.4	6.7	3.7	16.46	489.7	-421.5	551.9	540.8	11.08	49.802	
2,925.0	2,918.6	2,908.6	2,907.3	6.8	3.7	16.59	489.8	-421.3	548.6	537.4	11.19	49.042	
2,950.0	2,943.3	2,933.8	2,932.4	6.9	3.7	16.71	489.9	-421.1	545.3	534.0	11.29	48.295	
2,975.0	2,968.1	2,958.6	2,957.2	7.0	3.7	16.84	490.1	-421.0	541.9	530.5	11.39	47.560	
3,000.0	2,992.9	2,983.0	2,981.7	7.0	3.7	16.97	490.2	-420.8	538.6	527.1	11.50	46.837	
3,025.0	3,017.6	3,007.6	3,006.2	7.1	3.7	17.09	490.3	-420.7	535.3	523.6	11.61	46.118	
3,050.0	3,042.4	3,032.5	3,031.2	7.2	3.7	17.23	490.4	-420.5	531.9	520.2	11.71	45.413	
3,075.0	3,067.1	3,057.3	3,056.0	7.3	3.7	17.36	490.6	-420.3	528.6	516.8	11.82	44.719	
3,100.0	3,091.9	3,081.9	3,080.5	7.4	3.7	17.50	490.7	-420.2	525.3	513.4	11.93	44.037	
3,125.0	3,116.6	3,106.0	3,104.6	7.5	3.7	17.63	490.8	-420.0	522.0	510.0	12.04	43.360	
3,150.0	3,141.4	3,130.7	3,129.3	7.6	3.7	17.77	491.0	-419.9	518.7	506.6	12.15	42.698	
3,175.0	3,166.2	3,155.8	3,154.5	7.6	3.7	17.91	491.1	-419.8	515.5	503.2	12.26	42.048	
3,200.0	3,190.9	3,180.8	3,179.4	7.7	3.7	18.05	491.2	-419.7	512.2	499.8	12.37	41.407	
3,212.6	3,203.4	3,193.0	3,191.6	7.8	3.7	18.12	491.3	-419.6	510.5	498.1	12.41	41.126	
3,225.0	3,215.7	3,205.1	3,203.8	7.8	3.7	18.18	491.4	-419.6	508.9	496.4	12.47	40.805	
3,250.0	3,240.4	3,230.1	3,228.8	7.9	3.8	18.31	491.5	-419.4	505.7	493.1	12.59	40.173	
3,275.0	3,265.2	3,254.9	3,253.6	8.0	3.8	18.44	491.6	-419.3	502.6	489.9	12.71	39.559	
3,300.0	3,290.0	3,279.4	3,278.0	8.1	3.8	18.56	491.7	-419.2	499.7	486.9	12.82	38.964	
3,325.0	3,314.8	3,304.7	3,303.3	8.2	3.8	18.68	491.9	-419.1	496.8	483.9	12.93	38.412	
3,350.0	3,339.7	3,329.3	3,327.9	8.3	3.8	18.80	492.0	-419.0	494.1	481.0	13.05	37.874	
3,375.0	3,364.5	3,353.7	3,352.3	8.4	3.8	18.91	492.1	-418.9	491.4	478.3	13.16	37.354	
3,400.0	3,389.4	3,378.3	3,377.0	8.4	3.8	19.02	492.2	-418.9	488.9	475.7	13.27	36.851	
3,425.0	3,414.2	3,403.7	3,402.3	8.5	3.8	19.13	492.3	-418.7	486.5	473.1	13.38	36.371	
3,450.0	3,439.1	3,428.9	3,427.5	8.6	3.8	19.24	492.5	-418.6	484.2	470.7	13.48	35.905	
3,475.0	3,464.0	3,453.7	3,452.4	8.7	3.8	19.35	492.6	-418.5	481.9	468.3	13.59	35.452	
3,500.0	3,488.9	3,478.5	3,477.2	8.8	3.8	19.45	492.7	-418.4	479.8	466.1	13.70	35.014	
3,525.0	3,513.8	3,503.8	3,502.4	8.9	3.9	19.55	492.8	-418.3	477.8	464.0	13.81	34.597	
3,550.0	3,538.7	3,528.9	3,527.5	9.0	3.9	19.64	492.9	-418.2	475.8	461.9	13.92	34.193	
3,575.0	3,563.6	3,552.9	3,551.6	9.1	3.9	19.72	492.9	-418.2	474.0	460.0	14.02	33.799	
3,600.0	3,588.5	3,577.7	3,576.4	9.1	3.9	19.80	493.0	-418.1	472.3	458.2	14.13	33.421	
3,625.0	3,613.5	3,603.1	3,601.8	9.2	3.9	19.88	493.1	-418.1	470.7	456.5	14.24	33.066	
3,650.0	3,638.4	3,627.7	3,626.3	9.3	3.9	19.94	493.2	-418.1	469.2	454.9	14.34	32.720	
3,675.0	3,663.4	3,652.1	3,650.7	9.4	3.9	20.01	493.3	-418.1	467.8	453.4	14.45	32.387	
3,700.0	3,688.3	3,677.6	3,676.2	9.5	3.9	20.07	493.3	-418.1	466.6	452.0	14.55	32.068	
3,725.0	3,713.3	3,702.0	3,700.6	9.5	4.0	20.12	493.4	-418.1	465.4	450.8	14.65	31.768	
3,750.0	3,738.3	3,727.0	3,725.6	9.6	4.0	20.17	493.5	-418.1	464.4	449.6	14.75	31.481	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,775.0	3,763.3	3,751.3	3,750.0	9.7	4.0	20.22	493.6	-418.2	463.5	448.6	14.85	31.203	
3,800.0	3,788.2	3,776.3	3,774.9	9.8	4.0	20.26	493.7	-418.2	462.6	447.7	14.95	30.939	
3,825.0	3,813.2	3,801.0	3,799.7	9.9	4.0	20.29	493.8	-418.3	462.0	446.9	15.05	30.699	
3,850.0	3,838.2	3,825.0	3,823.6	9.9	4.0	20.32	493.9	-418.4	461.4	446.3	15.14	30.469	
3,875.0	3,863.2	3,849.8	3,848.4	10.0	4.0	20.35	494.0	-418.5	461.0	445.7	15.24	30.252	
3,900.0	3,888.2	3,874.6	3,873.2	10.1	4.1	20.37	494.2	-418.6	460.7	445.3	15.33	30.044	
3,925.0	3,913.2	3,899.0	3,897.6	10.1	4.1	20.38	494.4	-418.8	460.5	445.1	15.41	29.877	
3,950.0	3,938.2	3,923.9	3,922.5	10.2	4.1	20.39	494.5	-418.9	460.4	444.9	15.49	29.721	
3,951.8	3,940.0	3,925.7	3,924.3	10.2	4.1	20.39	494.6	-419.0	460.4	444.9	15.50	29.710 CC	
3,975.0	3,963.2	3,948.3	3,947.0	10.2	4.1	20.40	494.7	-419.1	460.5	444.9	15.57	29.572 ES	
4,000.0	3,988.2	3,973.5	3,972.1	10.3	4.1	20.40	495.0	-419.3	460.6	445.0	15.65	29.434	
4,012.8	4,001.0	3,986.1	3,984.8	10.3	4.1	-34.20	495.1	-419.4	460.8	445.1	15.67	29.411	
4,025.0	4,013.2	3,998.2	3,996.8	10.3	4.1	-34.20	495.2	-419.5	460.9	445.2	15.69	29.383	
4,050.0	4,038.2	4,022.8	4,021.5	10.3	4.1	-34.21	495.4	-419.7	461.2	445.5	15.73	29.327	
4,075.0	4,063.2	4,047.9	4,046.6	10.4	4.2	-34.21	495.6	-419.9	461.5	445.7	15.77	29.272	
4,100.0	4,088.2	4,074.2	4,072.8	10.4	4.2	-34.22	495.8	-420.1	461.8	446.0	15.80	29.219	
4,125.0	4,113.2	4,098.4	4,097.0	10.4	4.2	-34.24	495.9	-420.3	462.0	446.2	15.84	29.167	
4,150.0	4,138.2	4,123.8	4,122.4	10.4	4.2	-34.25	496.1	-420.6	462.3	446.4	15.88	29.120	
4,175.0	4,163.2	4,147.6	4,146.2	10.4	4.2	-34.27	496.2	-420.9	462.6	446.7	15.91	29.070	
4,200.0	4,188.2	4,173.0	4,171.6	10.5	4.2	-34.29	496.4	-421.2	462.9	446.9	15.95	29.026	
4,225.0	4,213.2	4,197.9	4,196.5	10.5	4.3	-34.31	496.6	-421.5	463.2	447.2	15.98	28.979	
4,250.0	4,238.2	4,222.7	4,221.3	10.5	4.3	-34.34	496.7	-421.8	463.5	447.5	16.02	28.933	
4,275.0	4,263.2	4,247.7	4,246.3	10.5	4.3	-34.36	496.8	-422.2	463.8	447.7	16.05	28.888	
4,300.0	4,288.2	4,273.6	4,272.2	10.5	4.3	-34.39	496.9	-422.5	464.1	448.0	16.09	28.844	
4,325.0	4,313.2	4,298.6	4,297.2	10.6	4.3	-34.42	497.0	-422.9	464.4	448.2	16.13	28.797	
4,350.0	4,338.2	4,324.3	4,322.9	10.6	4.3	-34.45	497.1	-423.2	464.6	448.4	16.16	28.750	
4,375.0	4,363.2	4,349.2	4,347.8	10.6	4.4	-34.48	497.2	-423.5	464.8	448.6	16.20	28.700	
4,400.0	4,388.2	4,374.2	4,372.8	10.6	4.4	-34.51	497.2	-423.8	465.1	448.8	16.23	28.651	
4,425.0	4,413.2	4,399.4	4,398.0	10.6	4.4	-34.53	497.3	-424.2	465.3	449.0	16.27	28.602	
4,450.0	4,438.2	4,425.3	4,423.9	10.7	4.4	-34.55	497.4	-424.4	465.5	449.2	16.30	28.553	
4,475.0	4,463.2	4,450.6	4,449.2	10.7	4.4	-34.57	497.4	-424.6	465.6	449.3	16.34	28.501	
4,500.0	4,488.2	4,475.9	4,474.5	10.7	4.5	-34.59	497.5	-424.8	465.8	449.4	16.37	28.449	
4,525.0	4,513.2	4,500.4	4,499.0	10.7	4.5	-34.62	497.4	-425.1	465.9	449.5	16.41	28.396	
4,550.0	4,538.2	4,526.0	4,524.6	10.7	4.5	-34.66	497.4	-425.4	466.1	449.6	16.44	28.345	
4,575.0	4,563.2	4,550.0	4,548.6	10.8	4.5	-34.69	497.4	-425.8	466.2	449.8	16.48	28.291	
4,600.0	4,588.2	4,575.6	4,574.2	10.8	4.5	-34.74	497.3	-426.2	466.4	449.9	16.52	28.242	
4,625.0	4,613.2	4,600.0	4,598.6	10.8	4.5	-34.78	497.2	-426.5	466.6	450.0	16.55	28.190	
4,650.0	4,638.2	4,624.2	4,622.7	10.8	4.6	-34.82	497.2	-426.9	466.8	450.2	16.59	28.139	
4,675.0	4,663.2	4,644.3	4,642.9	10.8	4.6	-34.87	497.2	-427.4	467.1	450.5	16.63	28.088	
4,700.0	4,688.2	4,663.5	4,662.1	10.9	4.6	-34.92	497.4	-428.0	467.8	451.1	16.67	28.053	
4,725.0	4,713.2	4,684.6	4,683.2	10.9	4.6	-34.99	497.7	-428.9	468.7	452.0	16.72	28.039	
4,750.0	4,738.2	4,709.4	4,707.9	10.9	4.6	-35.07	498.1	-430.1	469.7	453.0	16.76	28.035	
4,775.0	4,763.2	4,734.5	4,732.9	10.9	4.6	-35.15	498.6	-431.2	470.8	454.0	16.79	28.032	
4,800.0	4,788.2	4,759.7	4,758.2	10.9	4.7	-35.24	499.0	-432.4	471.8	454.9	16.83	28.028	
4,825.0	4,813.2	4,784.9	4,783.4	11.0	4.7	-35.32	499.4	-433.5	472.8	455.9	16.87	28.022	
4,850.0	4,838.2	4,810.0	4,808.4	11.0	4.7	-35.40	499.8	-434.7	473.8	456.8	16.91	28.017	
4,875.0	4,863.2	4,835.5	4,833.8	11.0	4.7	-35.49	500.3	-435.8	474.7	457.8	16.95	28.011	
4,900.0	4,888.2	4,860.5	4,858.8	11.0	4.7	-35.57	500.6	-436.9	475.7	458.7	16.99	28.003	
4,925.0	4,913.2	4,885.6	4,883.9	11.0	4.8	-35.65	501.0	-438.0	476.6	459.6	17.03	27.996	
4,950.0	4,938.2	4,910.9	4,909.2	11.1	4.8	-35.73	501.4	-439.1	477.6	460.5	17.06	27.988	
4,975.0	4,963.2	4,935.7	4,934.0	11.1	4.8	-35.81	501.8	-440.2	478.5	461.4	17.10	27.979	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,000.0	4,988.2	4,960.8	4,959.0	11.1	4.8	-35.90	502.1	-441.3	479.5	462.3	17.14	27.971	
5,025.0	5,013.2	4,987.0	4,985.2	11.1	4.9	-35.99	502.4	-442.5	480.4	463.2	17.18	27.962	
5,050.0	5,038.2	5,012.9	5,011.1	11.1	4.9	-36.09	502.7	-443.7	481.2	464.0	17.22	27.950	
5,075.0	5,063.2	5,038.1	5,036.2	11.2	4.9	-36.19	502.8	-444.9	482.1	464.8	17.26	27.934	
5,100.0	5,088.2	5,063.4	5,061.5	11.2	4.9	-36.29	503.0	-446.1	482.9	465.6	17.30	27.919	
5,125.0	5,113.2	5,088.7	5,086.8	11.2	4.9	-36.40	503.1	-447.3	483.7	466.3	17.34	27.902	
5,150.0	5,138.2	5,113.4	5,111.5	11.2	5.0	-36.50	503.3	-448.4	484.5	467.1	17.37	27.884	
5,175.0	5,163.2	5,138.6	5,136.6	11.2	5.0	-36.60	503.4	-449.6	485.3	467.9	17.41	27.868	
5,200.0	5,188.2	5,164.2	5,162.2	11.3	5.0	-36.71	503.5	-450.8	486.1	468.6	17.45	27.851	
5,225.0	5,213.2	5,190.1	5,188.0	11.3	5.0	-36.81	503.6	-452.0	486.8	469.3	17.49	27.833	
5,250.0	5,238.2	5,216.1	5,214.0	11.3	5.0	-36.92	503.6	-453.1	487.5	470.0	17.53	27.812	
5,275.0	5,263.2	5,241.4	5,239.4	11.3	5.1	-37.02	503.6	-454.2	488.2	470.6	17.57	27.788	
5,300.0	5,288.2	5,267.0	5,264.9	11.3	5.1	-37.13	503.6	-455.4	488.8	471.2	17.61	27.764	
5,325.0	5,313.2	5,293.4	5,291.2	11.4	5.1	-37.24	503.5	-456.5	489.4	471.8	17.64	27.739	
5,350.0	5,338.2	5,318.4	5,316.2	11.4	5.1	-37.34	503.4	-457.5	489.9	472.3	17.68	27.709	
5,375.0	5,363.2	5,343.8	5,341.6	11.4	5.2	-37.44	503.3	-458.5	490.5	472.8	17.72	27.680	
5,400.0	5,388.2	5,369.0	5,366.8	11.4	5.2	-37.54	503.3	-459.5	491.0	473.3	17.76	27.650	
5,425.0	5,413.2	5,394.6	5,392.4	11.4	5.2	-37.64	503.2	-460.5	491.5	473.7	17.80	27.620	
5,450.0	5,438.2	5,419.7	5,417.5	11.4	5.2	-37.73	503.0	-461.4	492.0	474.2	17.83	27.589	
5,475.0	5,463.2	5,445.0	5,442.7	11.5	5.2	-37.83	502.9	-462.4	492.5	474.6	17.87	27.557	
5,500.0	5,488.2	5,468.7	5,466.4	11.5	5.3	-37.92	502.8	-463.3	493.0	475.1	17.91	27.524	
5,525.0	5,513.2	5,495.2	5,492.9	11.5	5.3	-38.02	502.7	-464.4	493.5	475.6	17.95	27.496	
5,550.0	5,538.2	5,519.6	5,517.3	11.5	5.3	-38.12	502.6	-465.3	494.0	476.0	17.99	27.463	
5,575.0	5,563.2	5,544.9	5,542.5	11.5	5.3	-38.21	502.4	-466.2	494.5	476.5	18.03	27.433	
5,600.0	5,588.2	5,571.3	5,569.0	11.6	5.4	-38.31	502.3	-467.2	494.9	476.9	18.06	27.401	
5,625.0	5,613.2	5,596.2	5,593.8	11.6	5.4	-38.41	502.1	-468.1	495.3	477.2	18.10	27.366	
5,650.0	5,638.2	5,621.8	5,619.4	11.6	5.4	-38.50	501.9	-469.0	495.8	477.6	18.14	27.332	
5,675.0	5,663.2	5,647.8	5,645.4	11.6	5.4	-38.60	501.7	-469.9	496.1	477.9	18.18	27.297	
5,700.0	5,688.2	5,672.2	5,669.8	11.6	5.4	-38.70	501.4	-470.8	496.5	478.3	18.21	27.259	
5,725.0	5,713.2	5,697.9	5,695.5	11.7	5.5	-38.80	501.2	-471.7	496.8	478.6	18.25	27.223	
5,750.0	5,738.2	5,722.9	5,720.5	11.7	5.5	-38.89	500.9	-472.5	497.2	478.9	18.29	27.185	
5,775.0	5,763.2	5,747.3	5,744.9	11.7	5.5	-38.99	500.6	-473.4	497.5	479.2	18.33	27.147	
5,800.0	5,788.2	5,772.8	5,770.4	11.7	5.5	-39.09	500.4	-474.3	497.9	479.5	18.36	27.111	
5,825.0	5,813.2	5,798.1	5,795.6	11.7	5.5	-39.19	500.1	-475.2	498.2	479.8	18.40	27.074	
5,850.0	5,838.2	5,825.9	5,823.4	11.8	5.6	-39.30	499.7	-476.1	498.4	480.0	18.44	27.037	
5,875.0	5,863.2	5,850.8	5,848.3	11.8	5.6	-39.40	499.3	-476.9	498.6	480.2	18.47	26.993	
5,900.0	5,888.2	5,875.0	5,872.5	11.8	5.6	-39.49	498.9	-477.7	498.8	480.3	18.51	26.950	
5,925.0	5,913.2	5,900.4	5,897.8	11.8	5.6	-39.59	498.6	-478.5	499.1	480.5	18.55	26.909	
5,950.0	5,938.2	5,925.7	5,923.1	11.8	5.7	-39.69	498.2	-479.3	499.3	480.7	18.58	26.867	
5,975.0	5,963.2	5,950.8	5,948.3	11.9	5.7	-39.79	497.8	-480.1	499.5	480.9	18.62	26.824	
6,000.0	5,988.2	5,976.6	5,974.0	11.9	5.7	-39.89	497.3	-480.8	499.6	481.0	18.66	26.782	
6,025.0	6,013.2	6,000.6	5,998.0	11.9	5.7	-39.99	497.0	-481.6	499.8	481.1	18.69	26.738	
6,050.0	6,038.2	6,026.6	6,023.9	11.9	5.7	-40.09	496.5	-482.4	500.0	481.3	18.73	26.696	
6,075.0	6,063.2	6,051.1	6,048.5	11.9	5.8	-40.19	496.1	-483.1	500.2	481.4	18.77	26.652	
6,100.0	6,088.2	6,076.6	6,074.0	12.0	5.8	-40.29	495.7	-483.9	500.3	481.5	18.80	26.610	
6,125.0	6,113.2	6,101.9	6,099.2	12.0	5.8	-40.39	495.2	-484.7	500.5	481.7	18.84	26.567	
6,150.0	6,138.2	6,127.2	6,124.5	12.0	5.8	-40.49	494.7	-485.5	500.6	481.8	18.88	26.523	
6,175.0	6,163.2	6,151.7	6,149.0	12.0	5.9	-40.59	494.3	-486.2	500.8	481.9	18.91	26.479	
6,200.0	6,188.2	6,177.2	6,174.5	12.0	5.9	-40.69	493.8	-487.0	500.9	482.0	18.95	26.436	
6,225.0	6,213.2	6,202.5	6,199.7	12.1	5.9	-40.79	493.3	-487.7	501.0	482.0	18.98	26.392	
6,250.0	6,238.2	6,227.7	6,224.9	12.1	5.9	-40.89	492.9	-488.4	501.1	482.1	19.02	26.348	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,275.0	6,263.2	6,253.2	6,250.4	12.1	5.9	-40.98	492.4	-489.1	501.2	482.2	19.06	26.304	
6,300.0	6,288.2	6,278.0	6,275.3	12.1	6.0	-41.07	491.9	-489.8	501.3	482.2	19.09	26.259	
6,325.0	6,313.2	6,303.3	6,300.5	12.1	6.0	-41.17	491.5	-490.5	501.4	482.3	19.13	26.214	
6,350.0	6,338.2	6,327.9	6,325.1	12.2	6.0	-41.26	491.0	-491.1	501.5	482.3	19.16	26.168	
6,375.0	6,363.2	6,350.0	6,347.2	12.2	6.0	-41.35	490.6	-491.8	501.7	482.5	19.20	26.124	
6,400.0	6,388.2	6,369.6	6,366.7	12.2	6.0	-41.42	490.4	-492.5	502.0	482.8	19.25	26.086	
6,425.0	6,413.2	6,390.7	6,387.9	12.2	6.1	-41.51	490.3	-493.4	502.7	483.4	19.29	26.062	
6,450.0	6,438.2	6,414.8	6,411.9	12.2	6.1	-41.60	490.3	-494.5	503.4	484.1	19.33	26.047	
6,475.0	6,463.2	6,440.3	6,437.4	12.3	6.1	-41.69	490.3	-495.6	504.2	484.8	19.37	26.032	
6,500.0	6,488.2	6,465.6	6,462.7	12.3	6.1	-41.79	490.3	-496.7	504.9	485.5	19.41	26.016	
6,525.0	6,513.2	6,490.7	6,487.7	12.3	6.2	-41.88	490.3	-497.8	505.6	486.1	19.45	26.000	
6,550.0	6,538.2	6,515.9	6,512.9	12.3	6.2	-41.97	490.3	-498.8	506.3	486.8	19.49	25.984	
6,575.0	6,563.2	6,541.0	6,538.0	12.3	6.2	-42.06	490.3	-499.9	507.0	487.5	19.52	25.967	
6,600.0	6,588.2	6,566.4	6,563.3	12.4	6.2	-42.15	490.3	-501.0	507.7	488.1	19.56	25.950	
6,625.0	6,613.2	6,591.6	6,588.6	12.4	6.3	-42.24	490.2	-502.0	508.4	488.8	19.60	25.932	
6,650.0	6,638.2	6,617.0	6,614.0	12.4	6.3	-42.34	490.1	-503.1	509.0	489.4	19.64	25.914	
6,675.0	6,663.2	6,643.1	6,640.0	12.4	6.3	-42.44	490.0	-504.2	509.6	490.0	19.68	25.895	
6,700.0	6,688.2	6,668.5	6,665.4	12.4	6.3	-42.54	489.8	-505.3	510.2	490.5	19.72	25.873	
6,725.0	6,713.2	6,693.4	6,690.3	12.5	6.4	-42.63	489.7	-506.3	510.8	491.0	19.76	25.851	
6,750.0	6,738.2	6,716.1	6,712.9	12.5	6.4	-42.72	489.6	-507.2	511.4	491.6	19.80	25.828	
6,775.0	6,763.2	6,733.9	6,730.7	12.5	6.4	-42.78	489.6	-508.0	512.2	492.4	19.85	25.811	
6,800.0	6,788.2	6,750.0	6,746.8	12.5	6.4	-42.81	490.1	-508.8	513.5	493.6	19.89	25.815	
6,825.0	6,813.2	6,769.8	6,766.5	12.5	6.5	-42.84	490.9	-509.8	515.2	495.2	19.94	25.839	
6,850.0	6,838.2	6,794.4	6,791.1	12.6	6.5	-42.86	492.0	-511.2	516.9	496.9	19.98	25.874	
6,875.0	6,863.2	6,819.5	6,816.2	12.6	6.5	-42.89	493.1	-512.6	518.6	498.6	20.02	25.908	
6,900.0	6,888.2	6,845.8	6,842.4	12.6	6.5	-42.93	494.1	-514.0	520.4	500.3	20.06	25.942	
6,925.0	6,913.2	6,873.1	6,869.6	12.6	6.6	-42.97	495.2	-515.5	522.0	501.9	20.10	25.972	
6,950.0	6,938.2	6,899.0	6,895.5	12.6	6.6	-43.01	496.1	-516.9	523.5	503.4	20.14	25.995	
6,975.0	6,963.2	6,925.6	6,922.0	12.7	6.6	-43.07	496.9	-518.3	525.0	504.8	20.18	26.017	
7,000.0	6,988.2	6,951.4	6,947.8	12.7	6.6	-43.13	497.6	-519.7	526.4	506.2	20.22	26.035	
7,025.0	7,013.2	6,977.5	6,973.8	12.7	6.7	-43.19	498.2	-521.1	527.7	507.5	20.26	26.050	
7,050.0	7,038.2	7,003.7	7,000.0	12.7	6.7	-43.26	498.8	-522.5	529.1	508.8	20.30	26.062	
7,075.0	7,063.2	7,028.8	7,025.0	12.7	6.7	-43.33	499.3	-523.8	530.3	510.0	20.34	26.072	
7,100.0	7,088.2	7,053.7	7,049.9	12.8	6.7	-43.41	499.7	-525.2	531.6	511.2	20.38	26.082	
7,125.0	7,113.2	7,079.7	7,075.8	12.8	6.8	-43.50	500.0	-526.8	532.9	512.4	20.42	26.091	
7,150.0	7,138.2	7,103.8	7,099.9	12.8	6.8	-43.60	500.3	-528.2	534.1	513.6	20.47	26.098	
7,175.0	7,163.2	7,126.1	7,122.2	12.8	6.8	-43.69	500.5	-529.7	535.4	514.9	20.51	26.107	
7,200.0	7,188.2	7,150.8	7,146.8	12.8	6.8	-43.80	500.8	-531.4	536.8	516.3	20.55	26.122	
7,225.0	7,213.2	7,175.4	7,171.3	12.9	6.9	-43.91	501.1	-533.1	538.3	517.7	20.59	26.137	
7,250.0	7,238.2	7,200.4	7,196.3	12.9	6.9	-44.02	501.4	-534.9	539.7	519.1	20.64	26.153	
7,275.0	7,263.2	7,225.0	7,220.8	12.9	6.9	-44.13	501.7	-536.6	541.1	520.5	20.68	26.169	
7,300.0	7,288.2	7,252.8	7,248.5	12.9	7.0	-44.27	502.0	-538.6	542.5	521.8	20.72	26.186	
7,325.0	7,313.2	7,279.6	7,275.3	12.9	7.0	-44.40	502.0	-540.4	543.8	523.0	20.76	26.196	
7,350.0	7,338.2	7,305.4	7,301.0	13.0	7.0	-44.53	502.1	-542.2	545.0	524.2	20.80	26.203	
7,375.0	7,363.2	7,331.2	7,326.8	13.0	7.0	-44.66	502.1	-543.9	546.2	525.3	20.84	26.207	
7,400.0	7,388.2	7,355.9	7,351.4	13.0	7.1	-44.79	502.0	-545.6	547.3	526.5	20.88	26.211	
7,425.0	7,413.2	7,380.7	7,376.1	13.0	7.1	-44.91	502.0	-547.2	548.5	527.6	20.92	26.215	
7,450.0	7,438.2	7,406.6	7,402.0	13.0	7.1	-45.04	502.1	-548.9	549.7	528.7	20.97	26.219	
7,475.0	7,463.2	7,433.1	7,428.4	13.0	7.2	-45.16	502.0	-550.6	550.8	529.8	21.01	26.221	
7,500.0	7,488.2	7,459.2	7,454.5	13.1	7.2	-45.28	502.0	-552.2	551.9	530.8	21.05	26.220	
7,525.0	7,513.2	7,485.0	7,480.2	13.1	7.2	-45.40	501.9	-553.7	552.9	531.8	21.09	26.217	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Rule Assigned: Distance

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,550.0	7,538.2	7,510.8	7,506.0	13.1	7.2	-45.50	501.9	-555.2	553.8	532.7	21.13	26.212	
7,575.0	7,563.2	7,535.4	7,530.6	13.1	7.3	-45.60	501.9	-556.5	554.8	533.6	21.17	26.206	
7,600.0	7,588.2	7,558.6	7,553.8	13.1	7.3	-45.69	501.9	-557.7	555.8	534.6	21.21	26.200	
7,625.0	7,613.2	7,579.7	7,574.8	13.2	7.3	-45.75	502.1	-558.8	556.9	535.6	21.26	26.198	
7,650.0	7,638.2	7,600.0	7,595.1	13.2	7.3	-45.78	502.7	-559.9	558.3	537.0	21.30	26.207	
7,675.0	7,663.2	7,619.6	7,614.6	13.2	7.4	-45.78	503.6	-560.8	559.9	538.6	21.35	26.225	
7,700.0	7,688.2	7,645.0	7,640.0	13.2	7.4	-45.77	504.9	-561.9	561.6	540.2	21.39	26.253	
7,725.0	7,713.2	7,671.3	7,666.2	13.2	7.4	-45.76	506.1	-563.1	563.2	541.8	21.43	26.280	
7,750.0	7,738.2	7,699.3	7,694.1	13.3	7.4	-45.74	507.5	-564.2	564.7	543.3	21.47	26.304	
7,775.0	7,763.2	7,723.9	7,718.7	13.3	7.5	-45.72	508.6	-565.1	566.2	544.7	21.51	26.321	
7,800.0	7,788.2	7,749.0	7,743.8	13.3	7.5	-45.69	509.8	-565.9	567.7	546.1	21.55	26.339	
7,825.0	7,813.2	7,774.3	7,769.0	13.3	7.5	-45.66	511.1	-566.7	569.1	547.5	21.59	26.356	
7,850.0	7,838.2	7,798.4	7,793.1	13.3	7.5	-45.62	512.4	-567.5	570.6	549.0	21.64	26.373	
7,875.0	7,863.2	7,823.1	7,817.7	13.4	7.6	-45.59	513.7	-568.3	572.1	550.4	21.68	26.392	
7,900.0	7,888.2	7,849.1	7,843.7	13.4	7.6	-45.55	515.0	-569.2	573.6	551.9	21.72	26.411	
7,925.0	7,913.2	7,876.0	7,870.5	13.4	7.6	-45.51	516.4	-570.0	575.0	553.2	21.76	26.428	
7,950.0	7,938.2	7,903.7	7,898.2	13.4	7.6	-45.47	517.7	-570.7	576.3	554.5	21.80	26.441	
7,975.0	7,963.2	7,930.7	7,925.1	13.4	7.7	-45.43	518.9	-571.4	577.5	555.7	21.84	26.449	
8,000.0	7,988.2	7,957.0	7,951.4	13.5	7.7	-45.39	519.9	-572.0	578.6	556.8	21.88	26.451	
8,025.0	8,013.2	7,981.2	7,975.6	13.5	7.7	-45.37	520.9	-572.6	579.8	557.9	21.92	26.452	
8,050.0	8,038.2	8,005.7	8,000.0	13.5	7.7	-45.34	521.9	-573.2	580.9	559.0	21.96	26.453	
8,075.0	8,063.2	8,030.4	8,024.7	13.5	7.7	-45.32	522.9	-573.8	582.1	560.1	22.00	26.456	
8,100.0	8,088.2	8,055.2	8,049.5	13.5	7.8	-45.29	523.9	-574.5	583.3	561.2	22.04	26.459	
8,125.0	8,113.2	8,080.8	8,075.1	13.6	7.8	-45.27	524.9	-575.2	584.5	562.4	22.09	26.462	
8,150.0	8,138.2	8,107.7	8,102.0	13.6	7.8	-45.25	525.8	-575.9	585.6	563.4	22.13	26.463	
8,175.0	8,163.2	8,133.7	8,128.0	13.6	7.9	-45.24	526.7	-576.6	586.6	564.4	22.17	26.461	
8,200.0	8,188.2	8,160.3	8,154.5	13.6	7.9	-45.23	527.5	-577.3	587.6	565.4	22.21	26.456	
8,225.0	8,213.2	8,186.5	8,180.7	13.6	7.9	-45.23	528.2	-577.9	588.5	566.3	22.25	26.447	
8,250.0	8,238.2	8,212.0	8,206.2	13.7	7.9	-45.23	528.8	-578.6	589.4	567.1	22.30	26.437	
8,275.0	8,263.2	8,237.6	8,231.8	13.7	8.0	-45.23	529.5	-579.3	590.3	568.0	22.34	26.425	
8,300.0	8,288.2	8,264.4	8,258.6	13.7	8.0	-45.24	530.0	-579.9	591.1	568.8	22.38	26.412	
8,325.0	8,313.2	8,290.4	8,284.5	13.7	8.0	-45.25	530.5	-580.6	591.9	569.5	22.42	26.395	
8,350.0	8,338.2	8,315.5	8,309.6	13.7	8.0	-45.26	531.0	-581.2	592.6	570.2	22.47	26.377	
8,375.0	8,363.2	8,340.6	8,334.7	13.8	8.1	-45.27	531.4	-581.7	593.4	570.9	22.51	26.359	
8,400.0	8,388.2	8,365.6	8,359.7	13.8	8.1	-45.27	531.9	-582.3	594.1	571.5	22.55	26.340	
8,425.0	8,413.2	8,390.4	8,384.5	13.8	8.1	-45.27	532.4	-582.8	594.8	572.2	22.60	26.322	
8,450.0	8,438.2	8,415.3	8,409.4	13.8	8.2	-45.28	532.9	-583.4	595.6	572.9	22.64	26.304	
8,475.0	8,463.2	8,440.2	8,434.2	13.8	8.2	-45.28	533.4	-583.9	596.3	573.6	22.69	26.287	
8,500.0	8,488.2	8,465.3	8,459.4	13.9	8.2	-45.28	533.9	-584.5	597.1	574.3	22.73	26.269	
8,525.0	8,513.2	8,491.4	8,485.4	13.9	8.2	-45.28	534.5	-585.0	597.8	575.0	22.77	26.251	
8,550.0	8,538.2	8,517.4	8,511.4	13.9	8.3	-45.28	534.9	-585.5	598.5	575.7	22.82	26.231	
8,575.0	8,563.2	8,542.8	8,536.8	13.9	8.3	-45.29	535.3	-586.0	599.1	576.3	22.86	26.209	
8,600.0	8,588.2	8,570.2	8,564.2	13.9	8.3	-45.31	535.7	-586.6	599.7	576.8	22.90	26.185	
8,625.0	8,613.2	8,598.5	8,592.5	14.0	8.4	-45.33	535.9	-587.2	600.2	577.2	22.95	26.157	
8,650.0	8,638.2	8,625.6	8,619.6	14.0	8.4	-45.37	535.9	-587.7	600.5	577.5	22.99	26.125	
8,675.0	8,663.2	8,652.0	8,646.0	14.0	8.4	-45.40	535.8	-588.2	600.8	577.8	23.03	26.091	
8,700.0	8,688.2	8,678.6	8,672.6	14.0	8.4	-45.44	535.7	-588.6	601.0	578.0	23.07	26.056	
8,725.0	8,713.2	8,704.3	8,698.3	14.0	8.5	-45.47	535.6	-589.0	601.2	578.1	23.11	26.019	
8,750.0	8,738.2	8,729.0	8,723.0	14.1	8.5	-45.51	535.4	-589.4	601.4	578.2	23.14	25.983	
8,775.0	8,763.2	8,753.1	8,747.1	14.1	8.5	-45.55	535.3	-589.8	601.6	578.4	23.18	25.948	
8,800.0	8,788.2	8,779.6	8,773.6	14.1	8.6	-45.59	535.0	-590.3	601.7	578.5	23.22	25.913	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,825.0	8,813.2	8,803.8	8,797.7	14.1	8.6	-45.64	534.8	-590.7	601.9	578.6	23.26	25.878	
8,850.0	8,838.2	8,828.0	8,821.9	14.1	8.6	-45.68	534.7	-591.1	602.1	578.8	23.30	25.844	
8,875.0	8,863.2	8,854.1	8,848.1	14.2	8.6	-45.73	534.4	-591.7	602.3	578.9	23.34	25.809	
8,900.0	8,888.2	8,877.8	8,871.7	14.2	8.6	-45.78	534.1	-592.2	602.5	579.1	23.37	25.776	
8,925.0	8,913.2	8,902.4	8,896.3	14.2	8.7	-45.84	533.9	-592.7	602.7	579.3	23.41	25.743	
8,950.0	8,938.2	8,927.7	8,921.6	14.2	8.7	-45.89	533.6	-593.3	602.9	579.5	23.45	25.711	
8,975.0	8,963.2	8,951.4	8,945.4	14.2	8.7	-45.95	533.4	-593.9	603.2	579.7	23.49	25.679	
9,000.0	8,988.2	8,977.8	8,971.7	14.3	8.8	-46.02	533.0	-594.6	603.4	579.9	23.53	25.648	
9,025.0	9,013.2	9,003.0	8,996.9	14.3	8.8	-46.08	532.7	-595.2	603.6	580.1	23.57	25.616	
9,050.0	9,038.2	9,027.8	9,021.7	14.3	8.8	-46.15	532.4	-595.8	603.9	580.3	23.60	25.590	
9,075.0	9,063.2	9,052.5	9,046.4	14.3	8.8	-46.21	532.0	-596.5	604.1	580.5	23.63	25.565	
9,100.0	9,088.2	9,077.3	9,071.2	14.3	8.8	-46.28	531.6	-597.2	604.3	580.7	23.66	25.540	
9,125.0	9,113.2	9,102.1	9,096.0	14.4	8.8	-46.36	531.2	-597.9	604.6	580.9	23.69	25.516	
9,150.0	9,138.2	9,126.9	9,120.8	14.4	8.8	-46.43	530.9	-598.6	604.8	581.1	23.73	25.491	
9,175.0	9,163.2	9,151.7	9,145.5	14.4	8.9	-46.51	530.5	-599.4	605.1	581.3	23.76	25.467	
9,200.0	9,188.2	9,178.3	9,172.2	14.4	8.9	-46.60	529.9	-600.3	605.4	581.6	23.79	25.445	
9,225.0	9,213.2	9,206.7	9,200.5	14.4	8.9	-46.81	528.4	-601.8	605.5	581.7	23.82	25.419	
9,250.0	9,238.2	9,247.7	9,240.9	14.5	8.9	-47.41	523.2	-605.6	604.8	580.9	23.86	25.346	
9,275.0	9,263.2	9,320.1	9,310.1	14.5	8.9	-49.34	504.9	-615.4	602.7	578.7	24.02	25.089	
9,300.0	9,288.2	9,347.0	9,334.6	14.5	8.9	-50.37	495.1	-620.6	600.3	576.2	24.07	24.934	
9,325.0	9,313.2	9,371.2	9,356.0	14.5	8.9	-51.43	485.3	-626.0	597.9	573.8	24.12	24.794	
9,350.0	9,338.2	9,393.6	9,375.3	14.5	8.9	-52.52	475.3	-631.7	595.8	571.6	24.15	24.670	
9,375.0	9,363.2	9,418.4	9,396.0	14.6	9.0	-53.83	463.6	-638.5	593.9	569.7	24.19	24.546	
9,400.0	9,388.2	9,443.5	9,416.3	14.6	9.0	-55.24	450.8	-645.8	592.1	567.9	24.24	24.430	
9,425.0	9,413.2	9,466.0	9,434.0	14.6	9.0	-56.59	438.7	-652.7	590.6	566.3	24.27	24.331	
9,450.0	9,438.2	9,486.6	9,449.5	14.6	9.0	-57.90	427.0	-659.4	589.4	565.1	24.31	24.252	
9,475.0	9,463.2	9,505.2	9,463.1	14.6	9.1	-59.15	415.9	-665.7	588.7	564.4	24.34	24.189	
9,496.6	9,484.8	9,520.1	9,473.7	14.7	9.1	-60.17	406.8	-670.9	588.5	564.2	24.37	24.146	
9,500.0	9,488.2	9,522.4	9,475.3	14.7	9.1	-60.33	405.3	-671.8	588.5	564.2	24.38	24.140	
9,525.0	9,513.2	9,538.9	9,486.7	14.7	9.1	-61.48	395.1	-677.7	588.9	564.5	24.43	24.107	
9,550.0	9,538.2	9,560.5	9,501.3	14.7	9.1	-63.03	381.3	-685.5	589.8	565.3	24.49	24.086	
9,575.0	9,563.2	9,583.2	9,516.3	14.7	9.2	-64.68	366.3	-693.7	591.1	566.5	24.55	24.080 SF	
9,600.0	9,588.2	9,607.3	9,532.0	14.7	9.2	-66.46	350.1	-702.3	592.8	568.2	24.61	24.088	
9,625.0	9,613.2	9,632.0	9,547.9	14.8	9.3	-68.28	333.2	-710.7	594.9	570.2	24.67	24.111	
9,650.0	9,638.2	9,655.3	9,562.7	14.8	9.3	-70.01	317.0	-718.5	597.4	572.6	24.74	24.144	
9,675.0	9,663.2	9,678.1	9,577.2	14.8	9.4	-71.70	301.0	-725.9	600.3	575.5	24.82	24.189	
9,700.0	9,688.2	9,700.1	9,591.2	14.8	9.4	-73.33	285.4	-732.7	603.6	578.7	24.90	24.244	
9,725.0	9,713.2	9,722.2	9,605.2	14.8	9.5	-74.94	269.8	-739.4	607.4	582.4	24.98	24.313	
9,750.0	9,738.2	9,749.9	9,623.1	14.9	9.5	-76.94	250.2	-747.5	611.5	586.5	25.04	24.422	
9,775.0	9,763.2	9,783.2	9,645.1	14.9	9.6	-79.28	226.8	-756.3	615.8	590.8	25.06	24.573	
9,800.0	9,788.2	9,800.6	9,656.7	14.9	9.7	-80.48	214.6	-760.7	620.5	595.3	25.18	24.645	
9,825.0	9,813.2	9,819.8	9,669.5	14.9	9.7	-81.80	201.2	-765.5	625.5	600.3	25.29	24.739	
9,850.0	9,838.2	9,839.4	9,682.5	14.9	9.8	-83.15	187.3	-770.3	631.1	605.7	25.40	24.845	
9,875.0	9,863.2	9,858.2	9,694.5	15.0	9.8	-84.46	173.5	-774.7	637.0	611.5	25.53	24.954	
9,900.0	9,888.2	9,875.7	9,705.3	15.0	9.9	-85.71	160.4	-778.7	643.4	617.8	25.67	25.061	
9,925.0	9,913.2	9,887.8	9,712.6	15.0	9.9	-86.58	151.1	-781.5	650.4	624.5	25.88	25.133	
9,950.0	9,938.2	9,899.7	9,719.6	15.0	10.0	-87.45	141.8	-784.2	658.0	631.9	26.10	25.213	
9,975.0	9,963.2	9,911.2	9,726.2	15.0	10.0	-88.28	132.8	-786.8	666.2	639.9	26.33	25.300	
10,000.0	9,988.2	9,922.0	9,732.3	15.1	10.0	-89.07	124.2	-789.3	675.0	648.4	26.58	25.392	
10,000.4	9,988.6	9,922.0	9,732.3	15.1	10.0	-89.07	124.2	-789.3	675.1	648.5	26.59	25.392	
10,025.0	10,013.2	9,922.0	9,732.3	15.1	10.0	-87.80	124.2	-789.3	684.4	657.4	26.99	25.354	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #703H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,050.0	10,038.1	9,936.0	9,739.8	15.1	10.1	-87.56	112.9	-792.6	694.3	667.1	27.21	25.516	
10,075.0	10,062.9	9,941.5	9,742.8	15.1	10.1	-86.61	108.4	-793.9	704.9	677.4	27.51	25.622	
10,100.0	10,087.5	9,946.2	9,745.2	15.1	10.1	-85.50	104.5	-795.0	716.1	688.3	27.82	25.742	
10,125.0	10,111.8	9,950.1	9,747.2	15.1	10.1	-84.24	101.3	-796.0	727.8	699.7	28.13	25.876	
10,150.0	10,135.8	9,953.2	9,748.8	15.1	10.2	-82.84	98.8	-796.7	740.0	711.6	28.44	26.025	
10,175.0	10,159.3	9,955.6	9,749.9	15.1	10.2	-81.29	96.8	-797.3	752.7	724.0	28.74	26.191	
10,200.0	10,182.4	9,969.0	9,756.5	15.1	10.2	-80.64	85.6	-800.7	766.1	737.1	28.92	26.493	
10,225.0	10,205.0	9,969.0	9,756.5	15.1	10.2	-78.75	85.6	-800.7	779.5	750.3	29.22	26.682	
10,250.0	10,227.0	9,969.0	9,756.5	15.1	10.2	-76.80	85.6	-800.7	793.4	763.9	29.50	26.895	
10,275.0	10,248.3	9,969.0	9,756.5	15.2	10.2	-74.81	85.6	-800.7	807.5	777.7	29.76	27.130	
10,300.0	10,268.9	9,969.0	9,756.5	15.2	10.2	-72.79	85.6	-800.7	821.8	791.8	30.01	27.388	
10,325.0	10,288.8	9,969.0	9,756.5	15.2	10.2	-70.75	85.6	-800.7	836.4	806.2	30.23	27.668	
10,350.0	10,307.8	9,955.0	9,749.6	15.2	10.2	-67.57	97.3	-797.2	850.8	820.2	30.58	27.820	
10,375.0	10,325.9	9,952.8	9,748.6	15.2	10.2	-65.40	99.1	-796.6	865.5	834.7	30.78	28.115	
10,400.0	10,343.1	9,950.3	9,747.3	15.2	10.1	-63.24	101.2	-796.0	880.2	849.2	30.97	28.424	
10,425.0	10,359.4	9,947.4	9,745.8	15.2	10.1	-61.10	103.6	-795.3	894.9	863.8	31.13	28.744	
10,450.0	10,374.6	9,944.2	9,744.1	15.2	10.1	-59.00	106.3	-794.5	909.5	878.2	31.28	29.075	
10,475.0	10,388.8	9,940.5	9,742.3	15.3	10.1	-56.95	109.2	-793.6	924.0	892.5	31.41	29.416	
10,500.0	10,401.9	9,922.0	9,732.3	15.3	10.0	-54.05	124.2	-789.3	938.6	906.9	31.68	29.629	
10,525.0	10,413.8	9,922.0	9,732.3	15.3	10.0	-52.43	124.2	-789.3	952.5	920.8	31.72	30.024	
10,550.0	10,424.6	9,922.0	9,732.3	15.3	10.0	-50.89	124.2	-789.3	966.2	934.5	31.75	30.430	
10,575.0	10,434.2	9,922.0	9,732.3	15.3	10.0	-49.41	124.2	-789.3	979.7	947.9	31.76	30.848	
10,600.0	10,442.5	9,922.0	9,732.3	15.4	10.0	-48.01	124.2	-789.3	992.9	961.2	31.75	31.276	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-25.89	702.8	-341.1	781.3				
25.0	25.0	11.4	11.4	0.5	3.0	-25.89	702.8	-341.1	781.2				
50.0	50.0	36.4	36.4	0.5	3.0	-25.89	702.8	-341.1	781.2	776.5	4.73	165.324	
75.0	75.0	61.4	61.4	0.5	3.0	-25.89	702.8	-341.1	781.2	776.5	4.73	165.320	
100.0	100.0	86.4	86.4	0.5	3.0	-25.89	702.8	-341.1	781.2	776.5	4.73	165.314	
125.0	125.0	111.4	111.4	0.6	3.0	-25.89	702.8	-341.1	781.2	776.4	4.76	164.135	
150.0	150.0	136.4	136.4	0.8	3.0	-25.89	702.8	-341.1	781.2	776.4	4.80	162.716	
175.0	175.0	161.4	161.4	0.9	3.0	-25.89	702.8	-341.1	781.2	776.4	4.85	161.082	
200.0	200.0	186.4	186.4	1.0	3.0	-25.89	702.8	-341.1	781.2	776.3	4.91	159.254	
225.0	225.0	211.4	211.4	1.1	3.0	-25.89	702.8	-341.1	781.2	776.3	4.95	157.922	
250.0	250.0	236.4	236.4	1.2	3.0	-25.89	702.8	-341.1	781.2	776.2	4.99	156.515	
275.0	275.0	261.4	261.4	1.3	3.0	-25.89	702.8	-341.1	781.2	776.2	5.04	155.042	
300.0	300.0	286.4	286.4	1.4	3.0	-25.89	702.8	-341.1	781.2	776.1	5.09	153.509	
325.0	325.0	311.4	311.4	1.4	3.0	-25.89	702.8	-341.1	781.2	776.1	5.13	152.198	
350.0	350.0	336.4	336.4	1.5	3.0	-25.89	702.8	-341.1	781.2	776.0	5.18	150.852	
375.0	375.0	361.4	361.4	1.6	3.0	-25.89	702.8	-341.1	781.2	776.0	5.23	149.477	
400.0	400.0	386.4	386.4	1.6	3.0	-25.89	702.8	-341.1	781.2	775.9	5.28	148.075	
425.0	425.0	411.4	411.4	1.7	3.0	-25.89	702.8	-341.1	781.2	775.9	5.32	146.813	
450.0	450.0	436.4	436.4	1.8	3.0	-25.89	702.8	-341.1	781.2	775.8	5.37	145.535	
475.0	475.0	461.4	461.4	1.8	3.0	-25.89	702.8	-341.1	781.2	775.8	5.42	144.243	
500.0	500.0	486.4	486.4	1.9	3.1	-25.89	702.8	-341.1	781.2	775.7	5.47	142.940	
525.0	525.0	511.4	511.4	1.9	3.1	-25.89	702.8	-341.1	781.2	775.7	5.51	141.735	
550.0	550.0	536.4	536.4	2.0	3.1	-25.89	702.8	-341.1	781.2	775.6	5.56	140.524	
575.0	575.0	561.4	561.4	2.1	3.1	-25.89	702.8	-341.1	781.2	775.6	5.61	139.308	
600.0	600.0	586.4	586.4	2.1	3.1	-25.89	702.8	-341.1	781.2	775.5	5.66	138.087	
625.0	625.0	611.4	611.4	2.2	3.1	-25.89	702.8	-341.1	781.2	775.5	5.70	136.942	
650.0	650.0	636.4	636.4	2.2	3.1	-25.89	702.8	-341.1	781.2	775.4	5.75	135.795	
675.0	675.0	661.4	661.4	2.3	3.1	-25.89	702.8	-341.1	781.2	775.4	5.80	134.649	
700.0	700.0	686.4	686.4	2.3	3.1	-25.89	702.8	-341.1	781.2	775.4	5.85	133.502	
725.0	725.0	711.4	711.4	2.4	3.1	-25.89	702.8	-341.1	781.2	775.3	5.90	132.416	
750.0	750.0	736.4	736.4	2.4	3.1	-25.89	702.8	-341.1	781.2	775.3	5.95	131.331	
775.0	775.0	761.4	761.4	2.5	3.1	-25.89	702.8	-341.1	781.2	775.2	6.00	130.248	
800.0	800.0	786.4	786.4	2.5	3.1	-25.89	702.8	-341.1	781.2	775.2	6.05	129.170	
825.0	825.0	811.4	811.4	2.6	3.2	-25.89	702.8	-341.1	781.2	775.1	6.10	128.139	
850.0	850.0	836.4	836.4	2.6	3.2	-25.89	702.8	-341.1	781.2	775.1	6.15	127.112	
875.0	875.0	861.4	861.4	2.6	3.2	-25.89	702.8	-341.1	781.2	775.0	6.20	126.090	
900.0	900.0	886.4	886.4	2.7	3.2	-25.89	702.8	-341.1	781.2	775.0	6.25	125.073	
925.0	925.0	911.4	911.4	2.7	3.2	-25.89	702.8	-341.1	781.2	774.9	6.30	124.096	
950.0	950.0	936.4	936.4	2.8	3.2	-25.89	702.8	-341.1	781.2	774.9	6.34	123.124	
975.0	975.0	961.4	961.4	2.8	3.2	-25.89	702.8	-341.1	781.2	774.8	6.39	122.158	
1,000.0	1,000.0	986.4	986.4	2.9	3.2	-25.89	702.8	-341.1	781.2	774.8	6.45	121.198	
1,025.0	1,025.0	1,011.4	1,011.4	2.9	3.3	-25.89	702.8	-341.1	781.2	774.7	6.50	120.272	
1,050.0	1,050.0	1,036.4	1,036.4	3.0	3.3	-25.89	702.8	-341.1	781.2	774.7	6.55	119.352	
1,075.0	1,075.0	1,061.4	1,061.4	3.0	3.3	-25.89	702.8	-341.1	781.2	774.6	6.60	118.438	
1,100.0	1,100.0	1,086.4	1,086.4	3.0	3.3	-25.89	702.8	-341.1	781.2	774.6	6.65	117.530	
1,125.0	1,125.0	1,111.4	1,111.4	3.1	3.3	-25.89	702.8	-341.1	781.2	774.5	6.70	116.652	
1,150.0	1,150.0	1,136.4	1,136.4	3.1	3.3	-25.89	702.8	-341.1	781.2	774.5	6.75	115.780	
1,175.0	1,175.0	1,161.4	1,161.4	3.2	3.3	-25.89	702.8	-341.1	781.2	774.4	6.80	114.914	
1,200.0	1,200.0	1,186.4	1,186.4	3.2	3.3	-25.89	702.8	-341.1	781.2	774.4	6.85	114.056	
1,225.0	1,225.0	1,211.4	1,211.4	3.2	3.4	-25.89	702.8	-341.1	781.2	774.3	6.90	113.222	
1,250.0	1,250.0	1,236.4	1,236.4	3.3	3.4	-25.89	702.8	-341.1	781.2	774.3	6.95	112.395	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,261.4	1,261.4	3.3	3.4	-25.89	702.8	-341.1	781.2	774.2	7.00	111.575	
1,300.0	1,300.0	1,286.4	1,286.4	3.4	3.4	-25.89	702.8	-341.1	781.2	774.1	7.05	110.762	
1,325.0	1,325.0	1,311.4	1,311.4	3.4	3.4	-25.89	702.8	-341.1	781.2	774.1	7.10	109.971	
1,350.0	1,350.0	1,336.4	1,336.4	3.4	3.4	-25.89	702.8	-341.1	781.2	774.0	7.15	109.186	
1,375.0	1,375.0	1,361.4	1,361.4	3.5	3.5	-25.89	702.8	-341.1	781.2	774.0	7.21	108.408	
1,400.0	1,400.0	1,386.4	1,386.4	3.5	3.5	-25.89	702.8	-341.1	781.2	773.9	7.26	107.637	
1,425.0	1,425.0	1,411.4	1,411.4	3.6	3.5	-25.89	702.8	-341.1	781.2	773.9	7.31	106.885	
1,450.0	1,450.0	1,436.4	1,436.4	3.6	3.5	-25.89	702.8	-341.1	781.2	773.8	7.36	106.140	
1,475.0	1,475.0	1,461.4	1,461.4	3.6	3.5	-25.89	702.8	-341.1	781.2	773.8	7.41	105.401	
1,500.0	1,500.0	1,486.4	1,486.4	3.7	3.5	-25.89	702.8	-341.1	781.2	773.7	7.46	104.669	
1,525.0	1,525.0	1,511.4	1,511.4	3.7	3.6	-25.89	702.8	-341.1	781.2	773.7	7.51	103.955	
1,550.0	1,550.0	1,536.4	1,536.4	3.8	3.6	-25.89	702.8	-341.1	781.2	773.6	7.57	103.246	
1,575.0	1,575.0	1,561.4	1,561.4	3.8	3.6	-25.89	702.8	-341.1	781.2	773.6	7.62	102.544	
1,600.0	1,600.0	1,586.4	1,586.4	3.8	3.6	-25.89	702.8	-341.1	781.2	773.5	7.67	101.849	
1,625.0	1,625.0	1,611.4	1,611.4	3.9	3.6	-25.89	702.8	-341.1	781.2	773.5	7.72	101.169	
1,650.0	1,650.0	1,636.4	1,636.4	3.9	3.6	-25.89	702.8	-341.1	781.2	773.4	7.77	100.495	
1,675.0	1,675.0	1,661.4	1,661.4	3.9	3.7	-25.89	702.8	-341.1	781.2	773.4	7.83	99.827	
1,700.0	1,700.0	1,686.4	1,686.4	4.0	3.7	-25.89	702.8	-341.1	781.2	773.3	7.88	99.166	
1,725.0	1,725.0	1,711.4	1,711.4	4.0	3.7	-25.89	702.8	-341.1	781.2	773.3	7.93	98.519	
1,750.0	1,750.0	1,736.4	1,736.4	4.1	3.7	-25.89	702.8	-341.1	781.2	773.2	7.98	97.877	
1,775.0	1,775.0	1,761.4	1,761.4	4.1	3.7	-25.89	702.8	-341.1	781.2	773.2	8.03	97.241	
1,800.0	1,800.0	1,786.4	1,786.4	4.1	3.8	-25.89	702.8	-341.1	781.2	773.1	8.09	96.612	
1,825.0	1,825.0	1,811.4	1,811.4	4.2	3.8	-25.89	702.8	-341.1	781.2	773.1	8.14	95.995	
1,850.0	1,850.0	1,836.4	1,836.4	4.2	3.8	-25.89	702.8	-341.1	781.2	773.0	8.19	95.383	
1,875.0	1,875.0	1,861.4	1,861.4	4.2	3.8	-25.89	702.8	-341.1	781.2	773.0	8.24	94.778	
1,900.0	1,900.0	1,886.4	1,886.4	4.3	3.8	-25.89	702.8	-341.1	781.2	772.9	8.29	94.178	
1,925.0	1,925.0	1,911.4	1,911.4	4.3	3.9	-25.89	702.8	-341.1	781.2	772.9	8.35	93.589	
1,950.0	1,950.0	1,936.4	1,936.4	4.3	3.9	-25.89	702.8	-341.1	781.2	772.8	8.40	93.006	
1,975.0	1,975.0	1,961.4	1,961.4	4.4	3.9	-25.89	702.8	-341.1	781.2	772.8	8.45	92.428	
2,000.0	2,000.0	1,986.4	1,986.4	4.4	3.9	-25.89	702.8	-341.1	781.2	772.7	8.50	91.856	
2,025.0	2,025.0	2,011.4	2,011.4	4.4	3.9	28.71	702.8	-341.1	781.1	772.5	8.57	91.196	
2,050.0	2,050.0	2,036.4	2,036.4	4.5	4.0	28.73	702.8	-341.1	780.8	772.2	8.63	90.460	
2,075.0	2,075.0	2,061.4	2,061.4	4.5	4.0	28.75	702.8	-341.1	780.3	771.6	8.70	89.654	
2,100.0	2,100.0	2,086.4	2,086.4	4.6	4.0	28.78	702.8	-341.1	779.7	770.9	8.78	88.783	
2,125.0	2,125.0	2,111.4	2,111.4	4.6	4.0	28.83	702.8	-341.1	778.8	769.9	8.87	87.830	
2,150.0	2,149.9	2,136.3	2,136.3	4.7	4.1	28.88	702.8	-341.1	777.8	768.8	8.95	86.861	
2,175.0	2,174.9	2,161.3	2,161.3	4.7	4.1	28.94	702.8	-341.1	776.5	767.5	9.04	85.878	
2,200.0	2,199.8	2,186.2	2,186.2	4.8	4.1	29.02	702.8	-341.1	775.1	766.0	9.13	84.881	
2,225.0	2,224.8	2,211.2	2,211.2	4.8	4.1	29.10	702.8	-341.1	773.5	764.2	9.22	83.876	
2,250.0	2,249.7	2,236.1	2,236.1	4.9	4.1	29.19	702.8	-341.1	771.7	762.3	9.31	82.862	
2,275.0	2,274.6	2,261.0	2,261.0	5.0	4.2	29.29	702.8	-341.1	769.7	760.3	9.40	81.839	
2,300.0	2,299.5	2,285.9	2,285.9	5.0	4.2	29.41	702.8	-341.1	767.5	758.0	9.50	80.809	
2,325.0	2,324.3	2,310.7	2,310.7	5.1	4.2	29.53	702.8	-341.1	765.1	755.5	9.59	79.760	
2,350.0	2,349.1	2,335.5	2,335.5	5.2	4.2	29.66	702.8	-341.1	762.5	752.9	9.69	78.706	
2,375.0	2,373.9	2,360.3	2,360.3	5.2	4.3	29.81	702.8	-341.1	759.8	750.0	9.79	77.649	
2,400.1	2,398.8	2,385.2	2,385.2	5.3	4.3	29.96	702.8	-341.1	756.9	747.0	9.88	76.585	
2,425.0	2,423.5	2,409.9	2,409.9	5.4	4.3	30.10	702.8	-341.1	753.8	743.9	9.96	75.660	
2,450.0	2,448.2	2,434.6	2,434.6	5.4	4.3	30.23	702.8	-341.1	750.8	740.8	10.05	74.745	
2,475.0	2,473.0	2,459.4	2,459.4	5.5	4.4	30.36	702.8	-341.1	747.8	737.7	10.13	73.844	
2,500.0	2,497.7	2,484.1	2,484.1	5.6	4.4	30.50	702.8	-341.1	744.8	734.6	10.21	72.957	
2,525.0	2,522.5	2,509.9	2,509.9	5.6	4.4	30.64	702.8	-341.1	741.8	731.5	10.29	72.069	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,537.6	2,537.6	5.7	4.4	30.81	702.8	-340.9	738.7	728.3	10.37	71.220	
2,575.0	2,572.0	2,565.2	2,565.2	5.7	4.4	31.00	702.8	-340.4	735.5	725.1	10.45	70.386	
2,600.0	2,596.8	2,592.7	2,592.7	5.8	4.5	31.21	702.8	-339.6	732.3	721.8	10.53	69.566	
2,625.0	2,621.5	2,620.1	2,620.1	5.9	4.5	31.44	702.8	-338.6	728.9	718.3	10.60	68.761	
2,650.0	2,646.3	2,647.5	2,647.4	6.0	4.5	31.69	702.8	-337.3	725.5	714.8	10.67	67.972	
2,675.0	2,671.0	2,674.7	2,674.6	6.0	4.5	31.97	702.8	-335.8	722.0	711.2	10.75	67.192	
2,700.0	2,695.8	2,701.9	2,701.8	6.1	4.5	32.26	702.8	-334.0	718.4	707.6	10.82	66.419	
2,725.0	2,720.5	2,729.0	2,728.8	6.2	4.5	32.57	702.8	-332.0	714.7	703.8	10.89	65.624	
2,750.0	2,745.3	2,755.4	2,755.1	6.2	4.5	32.90	702.8	-329.7	711.0	700.0	10.97	64.833	
2,775.0	2,770.1	2,779.8	2,779.4	6.3	4.5	33.21	702.8	-327.6	707.3	696.2	11.04	64.047	
2,800.0	2,794.8	2,804.2	2,803.7	6.4	4.5	33.53	702.8	-325.5	703.5	692.4	11.12	63.274	
2,825.0	2,819.6	2,828.7	2,828.0	6.5	4.5	33.85	702.8	-323.3	699.8	688.6	11.20	62.497	
2,850.0	2,844.3	2,853.1	2,852.4	6.5	4.5	34.17	702.8	-321.2	696.2	684.9	11.28	61.734	
2,875.0	2,869.1	2,877.5	2,876.7	6.6	4.6	34.49	702.8	-319.1	692.5	681.2	11.36	60.986	
2,900.0	2,893.8	2,901.9	2,901.0	6.7	4.6	34.82	702.8	-317.0	688.9	677.5	11.43	60.252	
2,925.0	2,918.6	2,926.3	2,925.3	6.8	4.6	35.15	702.8	-314.8	685.3	673.8	11.51	59.516	
2,950.0	2,943.3	2,950.7	2,949.7	6.9	4.6	35.49	702.8	-312.7	681.7	670.1	11.59	58.794	
2,975.0	2,968.1	2,975.2	2,974.0	7.0	4.6	35.83	702.8	-310.6	678.2	666.5	11.68	58.086	
3,000.0	2,992.9	2,999.6	2,998.3	7.0	4.6	36.17	702.8	-308.4	674.6	662.9	11.75	57.391	
3,025.0	3,017.6	3,024.0	3,022.6	7.1	4.6	36.51	702.8	-306.3	671.1	659.3	11.84	56.698	
3,050.0	3,042.4	3,048.4	3,046.9	7.2	4.6	36.86	702.8	-304.2	667.6	655.7	11.92	56.019	
3,075.0	3,067.1	3,072.8	3,071.3	7.3	4.6	37.22	702.8	-302.1	664.2	652.2	12.00	55.353	
3,100.0	3,091.9	3,097.2	3,095.6	7.4	4.6	37.57	702.8	-299.9	660.7	648.7	12.08	54.701	
3,125.0	3,116.6	3,121.6	3,119.9	7.5	4.7	37.93	702.8	-297.8	657.3	645.2	12.16	54.052	
3,150.0	3,141.4	3,146.1	3,144.2	7.6	4.7	38.29	702.8	-295.7	653.9	641.7	12.24	53.416	
3,175.0	3,166.2	3,170.5	3,168.6	7.6	4.7	38.66	702.8	-293.6	650.6	638.3	12.32	52.794	
3,200.0	3,190.9	3,194.9	3,192.9	7.7	4.7	39.03	702.8	-291.4	647.3	634.9	12.40	52.184	
3,212.6	3,203.4	3,207.2	3,205.2	7.8	4.7	39.22	702.8	-290.3	645.6	633.2	12.43	51.929	
3,225.0	3,215.7	3,219.3	3,217.2	7.8	4.7	39.40	702.8	-289.3	644.0	631.5	12.48	51.621	
3,250.0	3,240.4	3,243.7	3,241.5	7.9	4.7	39.75	702.8	-287.2	640.8	628.2	12.56	51.013	
3,275.0	3,265.2	3,268.2	3,265.9	8.0	4.7	40.10	702.8	-285.0	637.7	625.1	12.65	50.423	
3,300.0	3,290.0	3,292.7	3,290.3	8.1	4.7	40.45	702.8	-282.9	634.7	622.0	12.73	49.852	
3,325.0	3,314.8	3,317.2	3,314.7	8.2	4.8	40.79	702.8	-280.8	631.9	619.1	12.81	49.326	
3,350.0	3,339.7	3,341.7	3,339.1	8.3	4.8	41.13	702.8	-278.6	629.1	616.2	12.89	48.817	
3,375.0	3,364.5	3,366.3	3,363.6	8.4	4.8	41.48	702.8	-276.5	626.5	613.5	12.96	48.324	
3,400.0	3,389.4	3,390.8	3,388.1	8.4	4.8	41.81	702.8	-274.3	623.9	610.9	13.04	47.846	
3,425.0	3,414.2	3,415.4	3,412.6	8.5	4.8	42.15	702.8	-272.2	621.5	608.4	13.12	47.389	
3,450.0	3,439.1	3,440.0	3,437.1	8.6	4.8	42.48	702.8	-270.1	619.2	606.0	13.19	46.945	
3,475.0	3,464.0	3,464.6	3,461.6	8.7	4.8	42.81	702.8	-267.9	617.0	603.7	13.26	46.516	
3,500.0	3,488.9	3,489.3	3,486.1	8.8	4.9	43.13	702.8	-265.8	614.8	601.5	13.34	46.101	
3,525.0	3,513.8	3,513.9	3,510.7	8.9	4.9	43.45	702.8	-263.6	612.8	599.4	13.41	45.706	
3,550.0	3,538.7	3,538.6	3,535.3	9.0	4.9	43.77	702.8	-261.5	610.9	597.4	13.48	45.324	
3,575.0	3,563.6	3,563.3	3,559.9	9.1	4.9	44.08	702.8	-259.3	609.1	595.5	13.55	44.954	
3,600.0	3,588.5	3,588.0	3,584.5	9.1	4.9	44.39	702.8	-257.2	607.3	593.7	13.62	44.596	
3,625.0	3,613.5	3,612.7	3,609.1	9.2	4.9	44.69	702.8	-255.0	605.7	592.0	13.69	44.259	
3,650.0	3,638.4	3,637.4	3,633.7	9.3	4.9	44.99	702.8	-252.9	604.2	590.4	13.75	43.932	
3,675.0	3,663.4	3,662.2	3,658.4	9.4	5.0	45.28	702.8	-250.7	602.7	588.9	13.82	43.616	
3,700.0	3,688.3	3,686.9	3,683.1	9.5	5.0	45.57	702.8	-248.5	601.4	587.5	13.88	43.311	
3,725.0	3,713.3	3,711.7	3,707.7	9.5	5.0	45.85	702.8	-246.4	600.1	586.2	13.95	43.027	
3,750.0	3,738.3	3,736.5	3,732.4	9.6	5.0	46.13	702.8	-244.2	599.0	584.9	14.01	42.752	
3,775.0	3,763.3	3,761.3	3,757.2	9.7	5.0	46.40	702.8	-242.1	597.9	583.8	14.07	42.486	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,786.1	3,781.9	9.8	5.0	46.67	702.8	-239.9	596.9	582.8	14.13	42.230	
3,825.0	3,813.2	3,811.0	3,806.6	9.9	5.1	46.93	702.8	-237.7	596.0	581.8	14.19	41.996	
3,850.0	3,838.2	3,835.8	3,831.4	9.9	5.1	47.18	702.8	-235.6	595.2	580.9	14.25	41.771	
3,875.0	3,863.2	3,860.7	3,856.1	10.0	5.1	47.43	702.8	-233.4	594.5	580.2	14.31	41.553	
3,900.0	3,888.2	3,885.5	3,880.9	10.1	5.1	47.67	702.8	-231.2	593.8	579.5	14.36	41.343	
3,925.0	3,913.2	3,910.4	3,905.6	10.1	5.1	47.91	702.8	-229.1	593.3	578.9	14.41	41.167	
3,950.0	3,938.2	3,935.3	3,930.4	10.2	5.1	48.14	702.8	-226.9	592.8	578.3	14.46	40.997	
3,975.0	3,963.2	3,960.2	3,955.2	10.2	5.2	48.36	702.8	-224.7	592.4	577.9	14.51	40.834	
4,000.0	3,988.2	3,985.0	3,980.0	10.3	5.2	48.57	702.8	-222.6	592.1	577.5	14.56	40.677	
4,012.8	4,001.0	3,997.8	3,992.7	10.3	5.2	-5.92	702.8	-221.4	592.0	577.4	14.56	40.652	
4,025.0	4,013.2	4,010.0	4,004.8	10.3	5.2	-5.82	702.8	-220.4	591.9	577.3	14.58	40.604	
4,050.0	4,038.2	4,034.9	4,029.6	10.3	5.2	-5.61	702.8	-218.2	591.7	577.0	14.61	40.508	
4,075.0	4,063.2	4,059.8	4,054.5	10.4	5.2	-5.40	702.8	-216.0	591.4	576.8	14.64	40.411	
4,100.0	4,088.2	4,084.7	4,079.3	10.4	5.3	-5.19	702.8	-213.9	591.2	576.6	14.67	40.316	
4,125.0	4,113.2	4,109.6	4,104.1	10.4	5.3	-4.98	702.8	-211.7	591.0	576.4	14.69	40.236	
4,150.0	4,138.2	4,134.5	4,128.9	10.4	5.3	-4.77	702.8	-209.5	590.9	576.1	14.71	40.156	
4,175.0	4,163.2	4,159.4	4,153.7	10.4	5.3	-4.56	702.8	-207.4	590.7	575.9	14.74	40.076	
4,200.0	4,188.2	4,184.3	4,178.5	10.5	5.3	-4.35	702.8	-205.2	590.5	575.8	14.76	39.997	
4,225.0	4,213.2	4,209.2	4,203.3	10.5	5.3	-4.14	702.8	-203.0	590.4	575.6	14.79	39.918	
4,250.0	4,238.2	4,234.1	4,228.1	10.5	5.4	-3.93	702.8	-200.9	590.2	575.4	14.81	39.840	
4,275.0	4,263.2	4,259.0	4,252.9	10.5	5.4	-3.72	702.8	-198.7	590.1	575.2	14.84	39.762	
4,300.0	4,288.2	4,283.9	4,277.8	10.5	5.4	-3.51	702.8	-196.5	589.9	575.0	14.87	39.685	
4,325.0	4,313.2	4,308.8	4,302.6	10.6	5.4	-3.30	702.8	-194.3	589.8	574.9	14.89	39.608	
4,350.0	4,338.2	4,333.7	4,327.4	10.6	5.4	-3.09	702.8	-192.2	589.7	574.7	14.92	39.531	
4,375.0	4,363.2	4,358.6	4,352.2	10.6	5.5	-2.88	702.8	-190.0	589.5	574.6	14.94	39.455	
4,400.0	4,388.2	4,383.5	4,377.0	10.6	5.5	-2.67	702.8	-187.8	589.4	574.5	14.97	39.379	
4,425.0	4,413.2	4,408.4	4,401.8	10.6	5.5	-2.46	702.8	-185.7	589.3	574.4	14.99	39.303	
4,450.0	4,438.2	4,433.3	4,426.6	10.7	5.5	-2.25	702.8	-183.5	589.3	574.2	15.02	39.228	
4,475.0	4,463.2	4,458.2	4,451.4	10.7	5.5	-2.03	702.8	-181.3	589.2	574.1	15.05	39.154	
4,500.0	4,488.2	4,483.1	4,476.2	10.7	5.6	-1.82	702.8	-179.1	589.1	574.0	15.07	39.079	
4,525.0	4,513.2	4,508.0	4,501.0	10.7	5.6	-1.61	702.8	-177.0	589.0	573.9	15.10	39.006	
4,550.0	4,538.2	4,533.0	4,525.9	10.7	5.6	-1.40	702.8	-174.8	589.0	573.8	15.13	38.932	
4,575.0	4,563.2	4,557.9	4,550.7	10.8	5.6	-1.19	702.8	-172.6	588.9	573.8	15.16	38.859	
4,600.0	4,588.2	4,582.8	4,575.5	10.8	5.7	-0.98	702.8	-170.5	588.9	573.7	15.18	38.786	
4,625.0	4,613.2	4,607.7	4,600.3	10.8	5.7	-0.77	702.8	-168.3	588.9	573.6	15.21	38.714	
4,650.0	4,638.2	4,632.6	4,625.1	10.8	5.7	-0.56	702.8	-166.1	588.8	573.6	15.24	38.642	
4,675.0	4,663.2	4,657.5	4,649.9	10.8	5.7	-0.35	702.8	-164.0	588.8	573.5	15.27	38.570	
4,700.0	4,688.2	4,682.4	4,674.7	10.9	5.7	-0.13	702.8	-161.8	588.8	573.5	15.29	38.499	
4,715.9	4,704.1	4,698.2	4,690.5	10.9	5.7	0.00	702.8	-160.4	588.8	573.5	15.31	38.454	
4,725.0	4,713.2	4,707.3	4,699.5	10.9	5.8	0.08	702.8	-159.6	588.8	573.5	15.32	38.428	
4,750.0	4,738.2	4,732.2	4,724.3	10.9	5.8	0.29	702.8	-157.4	588.8	573.5	15.35	38.358	
4,775.0	4,763.2	4,757.1	4,749.1	10.9	5.8	0.50	702.8	-155.3	588.8	573.4	15.38	38.288	
4,800.0	4,788.2	4,782.0	4,774.0	10.9	5.8	0.71	702.8	-153.1	588.8	573.4	15.41	38.218	
4,825.0	4,813.2	4,806.9	4,798.8	11.0	5.8	0.92	702.8	-150.9	588.9	573.4	15.44	38.149	
4,850.0	4,838.2	4,831.8	4,823.6	11.0	5.9	1.13	702.8	-148.8	588.9	573.5	15.47	38.080	
4,875.0	4,863.2	4,856.7	4,848.4	11.0	5.9	1.34	702.8	-146.6	589.0	573.5	15.49	38.011	
4,900.0	4,888.2	4,881.6	4,873.2	11.0	5.9	1.56	702.8	-144.4	589.0	573.5	15.52	37.943	
4,925.0	4,913.2	4,906.5	4,898.0	11.0	5.9	1.77	702.8	-142.2	589.1	573.5	15.55	37.875	
4,950.0	4,938.2	4,931.4	4,922.8	11.1	6.0	1.98	702.8	-140.1	589.2	573.6	15.58	37.807	
4,975.0	4,963.2	4,956.3	4,947.6	11.1	6.0	2.19	702.8	-137.9	589.2	573.6	15.61	37.740	
5,000.0	4,988.2	4,981.2	4,972.4	11.1	6.0	2.40	702.8	-135.7	589.3	573.7	15.64	37.674	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,025.0	5,013.2	5,006.1	4,997.2	11.1	6.0	2.61	702.8	-133.6	589.4	573.7	15.67	37.607	
5,050.0	5,038.2	5,031.1	5,022.1	11.1	6.0	2.82	702.8	-131.4	589.5	573.8	15.70	37.541	
5,075.0	5,063.2	5,056.0	5,046.9	11.2	6.1	3.03	702.8	-129.2	589.6	573.9	15.73	37.475	
5,100.0	5,088.2	5,080.9	5,071.7	11.2	6.1	3.24	702.8	-127.1	589.8	574.0	15.76	37.410	
5,125.0	5,113.2	5,105.8	5,096.5	11.2	6.1	3.45	702.8	-124.9	589.9	574.1	15.80	37.345	
5,150.0	5,138.2	5,130.7	5,121.3	11.2	6.1	3.66	702.8	-122.7	590.0	574.2	15.83	37.281	
5,175.0	5,163.2	5,155.6	5,146.1	11.2	6.2	3.87	702.8	-120.5	590.2	574.3	15.86	37.216	
5,200.0	5,188.2	5,180.5	5,170.9	11.3	6.2	4.08	702.8	-118.4	590.3	574.4	15.89	37.152	
5,225.0	5,213.2	5,205.4	5,195.7	11.3	6.2	4.29	702.8	-116.2	590.5	574.5	15.92	37.089	
5,250.0	5,238.2	5,230.3	5,220.5	11.3	6.2	4.50	702.8	-114.0	590.6	574.7	15.95	37.026	
5,275.0	5,263.2	5,255.2	5,245.3	11.3	6.3	4.71	702.8	-111.9	590.8	574.8	15.98	36.963	
5,300.0	5,288.2	5,280.1	5,270.2	11.3	6.3	4.92	702.8	-109.7	591.0	575.0	16.02	36.900	
5,325.0	5,313.2	5,305.0	5,295.0	11.4	6.3	5.13	702.8	-107.5	591.2	575.1	16.05	36.838	
5,350.0	5,338.2	5,329.9	5,319.8	11.4	6.3	5.34	702.8	-105.3	591.4	575.3	16.08	36.776	
5,375.0	5,363.2	5,354.8	5,344.6	11.4	6.4	5.55	702.8	-103.2	591.6	575.5	16.11	36.715	
5,400.0	5,388.2	5,379.7	5,369.4	11.4	6.4	5.76	702.8	-101.0	591.8	575.7	16.15	36.654	
5,425.0	5,413.2	5,404.6	5,394.2	11.4	6.4	5.97	702.8	-98.8	592.0	575.9	16.18	36.593	
5,450.0	5,438.2	5,429.5	5,419.0	11.4	6.4	6.18	702.8	-96.7	592.3	576.1	16.21	36.532	
5,475.0	5,463.2	5,454.4	5,443.8	11.5	6.4	6.39	702.8	-94.5	592.5	576.3	16.25	36.472	
5,500.0	5,488.2	5,479.3	5,468.6	11.5	6.5	6.60	702.8	-92.3	592.8	576.5	16.28	36.412	
5,525.0	5,513.2	5,504.2	5,493.4	11.5	6.5	6.80	702.8	-90.2	593.0	576.7	16.31	36.353	
5,550.0	5,538.2	5,529.1	5,518.3	11.5	6.5	7.01	702.8	-88.0	593.3	576.9	16.35	36.294	
5,575.0	5,563.2	5,554.1	5,543.1	11.5	6.5	7.22	702.8	-85.8	593.5	577.2	16.38	36.235	
5,600.0	5,588.2	5,579.0	5,567.9	11.6	6.6	7.43	702.8	-83.6	593.8	577.4	16.41	36.177	
5,625.0	5,613.2	5,603.9	5,592.7	11.6	6.6	7.64	702.8	-81.5	594.1	577.7	16.45	36.119	
5,650.0	5,638.2	5,628.8	5,617.5	11.6	6.6	7.84	702.8	-79.3	594.4	577.9	16.48	36.061	
5,675.0	5,663.2	5,653.7	5,642.3	11.6	6.6	8.05	702.8	-77.1	594.7	578.2	16.52	36.004	
5,700.0	5,688.2	5,678.6	5,667.1	11.6	6.7	8.26	702.8	-75.0	595.0	578.5	16.55	35.946	
5,725.0	5,713.2	5,703.5	5,691.9	11.7	6.7	8.46	702.8	-72.8	595.3	578.7	16.59	35.890	
5,750.0	5,738.2	5,728.4	5,716.7	11.7	6.7	8.67	702.8	-70.6	595.7	579.0	16.62	35.833	
5,775.0	5,763.2	5,753.3	5,741.5	11.7	6.7	8.88	702.8	-68.4	596.0	579.3	16.66	35.777	
5,800.0	5,788.2	5,778.2	5,766.4	11.7	6.8	9.08	702.8	-66.3	596.3	579.6	16.69	35.721	
5,825.0	5,813.2	5,803.1	5,791.2	11.7	6.8	9.29	702.8	-64.1	596.7	580.0	16.73	35.666	
5,850.0	5,838.2	5,828.0	5,816.0	11.8	6.8	9.49	702.8	-61.9	597.0	580.3	16.77	35.611	
5,875.0	5,863.2	5,852.9	5,840.8	11.8	6.8	9.70	702.8	-59.8	597.4	580.6	16.80	35.556	
5,900.0	5,888.2	5,877.8	5,865.6	11.8	6.9	9.90	702.8	-57.6	597.8	580.9	16.84	35.502	
5,925.0	5,913.2	5,902.7	5,890.4	11.8	6.9	10.11	702.8	-55.4	598.2	581.3	16.87	35.448	
5,950.0	5,938.2	5,927.6	5,915.2	11.8	6.9	10.31	702.8	-53.3	598.5	581.6	16.91	35.394	
5,975.0	5,963.2	5,952.5	5,940.0	11.9	6.9	10.52	702.8	-51.1	598.9	582.0	16.95	35.340	
6,000.0	5,988.2	5,977.4	5,964.8	11.9	7.0	10.72	702.8	-48.9	599.3	582.4	16.98	35.287	
6,025.0	6,013.2	6,002.3	5,989.6	11.9	7.0	10.93	702.8	-46.7	599.8	582.7	17.02	35.234	
6,050.0	6,038.2	6,027.2	6,014.5	11.9	7.0	11.13	702.8	-44.6	600.2	583.1	17.06	35.182	
6,075.0	6,063.2	6,052.1	6,039.3	11.9	7.1	11.33	702.8	-42.4	600.6	583.5	17.10	35.130	
6,100.0	6,088.2	6,077.1	6,064.1	12.0	7.1	11.54	702.8	-40.2	601.0	583.9	17.13	35.078	
6,125.0	6,113.2	6,102.0	6,088.9	12.0	7.1	11.74	702.8	-38.1	601.5	584.3	17.17	35.026	
6,150.0	6,138.2	6,126.9	6,113.7	12.0	7.1	11.94	702.8	-35.9	601.9	584.7	17.21	34.975	
6,175.0	6,163.2	6,151.8	6,138.5	12.0	7.2	12.14	702.8	-33.7	602.4	585.1	17.25	34.924	
6,200.0	6,188.2	6,176.7	6,163.3	12.0	7.2	12.34	702.8	-31.5	602.8	585.6	17.29	34.873	
6,225.0	6,213.2	6,201.6	6,188.1	12.1	7.2	12.55	702.8	-29.4	603.3	586.0	17.33	34.823	
6,250.0	6,238.2	6,226.5	6,212.9	12.1	7.2	12.75	702.8	-27.2	603.8	586.4	17.36	34.773	
6,275.0	6,263.2	6,251.4	6,237.7	12.1	7.3	12.95	702.8	-25.0	604.3	586.9	17.40	34.723	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,288.2	6,276.3	6,262.6	12.1	7.3	13.15	702.8	-22.9	604.8	587.3	17.44	34.674	
6,325.0	6,313.2	6,301.2	6,287.4	12.1	7.3	13.35	702.8	-20.7	605.3	587.8	17.48	34.625	
6,350.0	6,338.2	6,326.1	6,312.2	12.2	7.3	13.55	702.8	-18.5	605.8	588.3	17.52	34.576	
6,375.0	6,363.2	6,351.0	6,337.0	12.2	7.4	13.75	702.8	-16.4	606.3	588.7	17.56	34.528	
6,400.0	6,388.2	6,375.9	6,361.8	12.2	7.4	13.95	702.8	-14.2	606.8	589.2	17.60	34.480	
6,425.0	6,413.2	6,400.8	6,386.6	12.2	7.4	14.15	702.8	-12.0	607.3	589.7	17.64	34.432	
6,450.0	6,438.2	6,425.7	6,411.4	12.2	7.4	14.34	702.8	-9.8	607.9	590.2	17.68	34.385	
6,475.0	6,463.2	6,450.6	6,436.2	12.3	7.5	14.54	702.8	-7.7	608.4	590.7	17.72	34.337	
6,500.0	6,488.2	6,475.5	6,461.0	12.3	7.5	14.74	702.8	-5.5	609.0	591.2	17.76	34.291	
6,525.0	6,513.2	6,500.4	6,485.8	12.3	7.5	14.94	702.8	-3.3	609.5	591.7	17.80	34.244	
6,550.0	6,538.2	6,525.3	6,510.7	12.3	7.6	15.13	702.8	-1.2	610.1	592.3	17.84	34.198	
6,575.0	6,563.2	6,550.2	6,535.5	12.3	7.6	15.33	702.8	1.0	610.7	592.8	17.88	34.152	
6,600.0	6,588.2	6,575.2	6,560.3	12.4	7.6	15.53	702.8	3.2	611.3	593.3	17.92	34.106	
6,625.0	6,613.2	6,600.1	6,585.1	12.4	7.6	15.72	702.8	5.4	611.9	593.9	17.96	34.061	
6,650.0	6,638.2	6,625.0	6,609.9	12.4	7.7	15.92	702.8	7.5	612.5	594.4	18.00	34.016	
6,675.0	6,663.2	6,649.9	6,634.7	12.4	7.7	16.11	702.8	9.7	613.1	595.0	18.05	33.971	
6,700.0	6,688.2	6,674.8	6,659.5	12.4	7.7	16.31	702.8	11.9	613.7	595.6	18.09	33.927	
6,725.0	6,713.2	6,699.7	6,684.3	12.5	7.7	16.50	702.8	14.0	614.3	596.2	18.13	33.883	
6,750.0	6,738.2	6,724.6	6,709.1	12.5	7.8	16.70	702.8	16.2	614.9	596.7	18.17	33.839	
6,775.0	6,763.2	6,749.5	6,733.9	12.5	7.8	16.89	702.8	18.4	615.5	597.3	18.21	33.795	
6,800.0	6,788.2	6,774.4	6,758.8	12.5	7.8	17.08	702.8	20.6	616.2	597.9	18.26	33.752	
6,825.0	6,813.2	6,799.3	6,783.6	12.5	7.9	17.28	702.8	22.7	616.8	598.5	18.30	33.710	
6,850.0	6,838.2	6,824.2	6,808.4	12.6	7.9	17.47	702.8	24.9	617.5	599.1	18.34	33.667	
6,875.0	6,863.2	6,849.1	6,833.2	12.6	7.9	17.66	702.8	27.1	618.1	599.8	18.38	33.625	
6,900.0	6,888.2	6,874.0	6,858.0	12.6	7.9	17.85	702.8	29.2	618.8	600.4	18.43	33.583	
6,925.0	6,913.2	6,898.9	6,882.8	12.6	8.0	18.04	702.8	31.4	619.5	601.0	18.47	33.541	
6,950.0	6,938.2	6,923.8	6,907.6	12.6	8.0	18.23	702.8	33.6	620.2	601.6	18.51	33.500	
6,975.0	6,963.2	6,948.7	6,932.4	12.7	8.0	18.42	702.8	35.7	620.8	602.3	18.56	33.458	
7,000.0	6,988.2	6,973.6	6,957.2	12.7	8.0	18.61	702.8	37.9	621.5	602.9	18.60	33.418	
7,025.0	7,013.2	6,998.5	6,982.1	12.7	8.1	18.80	702.8	40.1	622.2	603.6	18.64	33.377	
7,050.0	7,038.2	7,023.4	7,006.9	12.7	8.1	18.99	702.8	42.3	623.0	604.3	18.69	33.337	
7,075.0	7,063.2	7,048.3	7,031.7	12.7	8.1	19.18	702.8	44.4	623.7	604.9	18.73	33.297	
7,100.0	7,088.2	7,073.2	7,056.5	12.8	8.2	19.37	702.8	46.6	624.4	605.6	18.77	33.257	
7,125.0	7,113.2	7,098.2	7,081.3	12.8	8.2	19.56	702.8	48.8	625.1	606.3	18.82	33.218	
7,150.0	7,138.2	7,123.1	7,106.1	12.8	8.2	19.74	702.8	50.9	625.9	607.0	18.86	33.179	
7,175.0	7,163.2	7,148.0	7,130.9	12.8	8.2	19.93	702.8	53.1	626.6	607.7	18.91	33.140	
7,200.0	7,188.2	7,172.9	7,155.7	12.8	8.3	20.12	702.8	55.3	627.3	608.4	18.95	33.102	
7,225.0	7,213.2	7,197.8	7,180.5	12.9	8.3	20.30	702.8	57.5	628.1	609.1	19.00	33.064	
7,250.0	7,238.2	7,222.7	7,205.3	12.9	8.3	20.49	702.8	59.6	628.9	609.8	19.04	33.026	
7,275.0	7,263.2	7,247.6	7,230.2	12.9	8.3	20.67	702.8	61.8	629.6	610.5	19.09	32.988	
7,300.0	7,288.2	7,272.5	7,255.0	12.9	8.4	20.86	702.8	64.0	630.4	611.3	19.13	32.951	
7,325.0	7,313.2	7,297.4	7,279.8	12.9	8.4	21.04	702.8	66.1	631.2	612.0	19.18	32.914	
7,350.0	7,338.2	7,322.3	7,304.6	13.0	8.4	21.23	702.8	68.3	632.0	612.8	19.22	32.877	
7,375.0	7,363.2	7,347.2	7,329.4	13.0	8.5	21.41	702.8	70.5	632.8	613.5	19.27	32.841	
7,400.0	7,388.2	7,372.1	7,354.2	13.0	8.5	21.59	702.8	72.6	633.6	614.3	19.31	32.805	
7,425.0	7,413.2	7,397.0	7,379.0	13.0	8.5	21.78	702.8	74.8	634.4	615.0	19.36	32.769	
7,450.0	7,438.2	7,421.9	7,403.8	13.0	8.5	21.96	702.8	77.0	635.2	615.8	19.41	32.733	
7,475.0	7,463.2	7,446.8	7,428.6	13.0	8.6	22.14	702.8	79.2	636.0	616.6	19.45	32.698	
7,500.0	7,488.2	7,471.7	7,453.4	13.1	8.6	22.32	702.8	81.3	636.8	617.3	19.50	32.663	
7,525.0	7,513.2	7,496.6	7,478.3	13.1	8.6	22.50	702.8	83.5	637.7	618.1	19.54	32.628	
7,550.0	7,538.2	7,521.5	7,503.1	13.1	8.7	22.68	702.8	85.7	638.5	618.9	19.59	32.594	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,563.2	7,546.4	7,527.9	13.1	8.7	22.86	702.8	87.8	639.4	619.7	19.64	32.560	
7,600.0	7,588.2	7,571.3	7,552.7	13.1	8.7	23.04	702.8	90.0	640.2	620.5	19.68	32.526	
7,625.0	7,613.2	7,596.3	7,577.5	13.2	8.7	23.22	702.8	92.2	641.1	621.3	19.73	32.492	
7,650.0	7,638.2	7,621.2	7,602.3	13.2	8.8	23.40	702.8	94.4	641.9	622.2	19.78	32.459	
7,675.0	7,663.2	7,646.1	7,627.1	13.2	8.8	23.57	702.8	96.5	642.8	623.0	19.82	32.426	
7,700.0	7,688.2	7,671.0	7,651.9	13.2	8.8	23.75	702.8	98.7	643.7	623.8	19.87	32.393	
7,725.0	7,713.2	7,695.9	7,676.7	13.2	8.9	23.93	702.8	100.9	644.6	624.6	19.92	32.360	
7,750.0	7,738.2	7,720.8	7,701.5	13.3	8.9	24.10	702.8	103.0	645.5	625.5	19.97	32.328	
7,775.0	7,763.2	7,745.7	7,726.4	13.3	8.9	24.28	702.8	105.2	646.4	626.3	20.01	32.296	
7,800.0	7,788.2	7,770.6	7,751.2	13.3	8.9	24.46	702.8	107.4	647.3	627.2	20.06	32.264	
7,825.0	7,813.2	7,795.5	7,776.0	13.3	9.0	24.63	702.8	109.5	648.2	628.1	20.11	32.233	
7,850.0	7,838.2	7,820.4	7,800.8	13.3	9.0	24.80	702.8	111.7	649.1	628.9	20.16	32.202	
7,875.0	7,863.2	7,845.3	7,825.6	13.4	9.0	24.98	702.8	113.9	650.0	629.8	20.20	32.171	
7,900.0	7,888.2	7,870.2	7,850.4	13.4	9.1	25.15	702.8	116.1	650.9	630.7	20.25	32.140	
7,925.0	7,913.2	7,895.1	7,875.2	13.4	9.1	25.32	702.8	118.2	651.9	631.6	20.30	32.110	
7,950.0	7,938.2	7,920.0	7,900.0	13.4	9.1	25.50	702.8	120.4	652.8	632.4	20.35	32.080	
7,975.0	7,963.2	7,944.9	7,924.8	13.4	9.1	25.67	702.8	122.6	653.7	633.3	20.40	32.050	
8,000.0	7,988.2	7,969.8	7,949.6	13.5	9.2	25.84	702.8	124.7	654.7	634.2	20.45	32.020	
8,025.0	8,013.2	7,994.7	7,974.5	13.5	9.2	26.01	702.8	126.9	655.6	635.1	20.49	31.991	
8,050.0	8,038.2	8,019.6	7,999.3	13.5	9.2	26.18	702.8	129.1	656.6	636.1	20.54	31.962	
8,075.0	8,063.2	8,044.5	8,024.1	13.5	9.3	26.35	702.8	131.3	657.6	637.0	20.59	31.933	
8,100.0	8,088.2	8,069.4	8,048.9	13.5	9.3	26.52	702.8	133.4	658.5	637.9	20.64	31.905	
8,125.0	8,113.2	8,094.3	8,073.7	13.6	9.3	26.69	702.8	135.6	659.5	638.8	20.69	31.876	
8,150.0	8,138.2	8,119.3	8,098.5	13.6	9.3	26.86	702.8	137.8	660.5	639.8	20.74	31.848	
8,175.0	8,163.2	8,144.2	8,123.3	13.6	9.4	27.03	702.8	139.9	661.5	640.7	20.79	31.820	
8,200.0	8,188.2	8,169.1	8,148.1	13.6	9.4	27.19	702.8	142.1	662.5	641.7	20.84	31.793	
8,225.0	8,213.2	8,194.0	8,172.9	13.6	9.4	27.36	702.8	144.3	663.5	642.6	20.89	31.766	
8,250.0	8,238.2	8,218.9	8,197.7	13.7	9.5	27.53	702.8	146.4	664.5	643.6	20.94	31.739	
8,275.0	8,263.2	8,243.8	8,222.6	13.7	9.5	27.69	702.8	148.6	665.5	644.5	20.99	31.712	
8,300.0	8,288.2	8,268.7	8,247.4	13.7	9.5	27.86	702.8	150.8	666.5	645.5	21.04	31.685	
8,325.0	8,313.2	8,293.6	8,272.2	13.7	9.6	28.02	702.8	153.0	667.6	646.5	21.09	31.659	
8,350.0	8,338.2	8,318.5	8,297.0	13.7	9.6	28.19	702.8	155.1	668.6	647.4	21.14	31.633	
8,375.0	8,363.2	8,343.4	8,321.8	13.8	9.6	28.35	702.8	157.3	669.6	648.4	21.19	31.607	
8,400.0	8,388.2	8,368.3	8,346.6	13.8	9.6	28.51	702.8	159.5	670.7	649.4	21.24	31.582	
8,425.0	8,413.2	8,393.2	8,371.4	13.8	9.7	28.68	702.8	161.6	671.7	650.4	21.29	31.557	
8,450.0	8,438.2	8,418.1	8,396.2	13.8	9.7	28.84	702.8	163.8	672.8	651.4	21.34	31.532	
8,475.0	8,463.2	8,443.0	8,421.0	13.8	9.7	29.00	702.8	166.0	673.8	652.4	21.39	31.507	
8,500.0	8,488.2	8,467.9	8,445.8	13.9	9.8	29.16	702.8	168.2	674.9	653.4	21.44	31.482	
8,525.0	8,513.2	8,492.8	8,470.7	13.9	9.8	29.32	702.8	170.3	675.9	654.5	21.49	31.458	
8,550.0	8,538.2	8,517.7	8,495.5	13.9	9.8	29.48	702.8	172.5	677.0	655.5	21.54	31.434	
8,575.0	8,563.2	8,542.6	8,520.3	13.9	9.8	29.64	702.8	174.7	678.1	656.5	21.59	31.410	
8,600.0	8,588.2	8,567.5	8,545.1	13.9	9.9	29.80	702.8	176.8	679.2	657.5	21.64	31.386	
8,625.0	8,613.2	8,592.4	8,569.9	14.0	9.9	29.96	702.8	179.0	680.3	658.6	21.69	31.363	
8,650.0	8,638.2	8,617.4	8,594.7	14.0	9.9	30.12	702.8	181.2	681.4	659.6	21.74	31.340	
8,675.0	8,663.2	8,642.3	8,619.5	14.0	10.0	30.28	702.8	183.3	682.5	660.7	21.79	31.317	
8,700.0	8,688.2	8,667.2	8,644.3	14.0	10.0	30.43	702.8	185.5	683.6	661.7	21.84	31.294	
8,725.0	8,713.2	8,692.1	8,669.1	14.0	10.0	30.59	702.8	187.7	684.7	662.8	21.89	31.272	
8,750.0	8,738.2	8,717.0	8,693.9	14.1	10.1	30.75	702.8	189.9	685.8	663.8	21.95	31.250	
8,775.0	8,763.2	8,741.9	8,718.8	14.1	10.1	30.90	702.8	192.0	686.9	664.9	22.00	31.228	
8,800.0	8,788.2	8,766.8	8,743.6	14.1	10.1	31.06	702.8	194.2	688.0	666.0	22.05	31.206	
8,825.0	8,813.2	8,791.7	8,768.4	14.1	10.1	31.21	702.8	196.4	689.2	667.1	22.10	31.185	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,838.2	8,816.6	8,793.2	14.1	10.2	31.37	702.8	198.5	690.3	668.1	22.15	31.163	
8,875.0	8,863.2	8,841.5	8,818.0	14.2	10.2	31.52	702.8	200.7	691.4	669.2	22.20	31.142	
8,900.0	8,888.2	8,866.4	8,842.8	14.2	10.2	31.67	702.8	202.9	692.6	670.3	22.25	31.121	
8,925.0	8,913.2	8,891.3	8,867.6	14.2	10.3	31.83	702.8	205.1	693.7	671.4	22.31	31.101	
8,950.0	8,938.2	8,916.2	8,892.4	14.2	10.3	31.98	702.8	207.2	694.9	672.5	22.36	31.080	
8,975.0	8,963.2	8,941.1	8,917.2	14.2	10.3	32.13	702.8	209.4	696.0	673.6	22.41	31.060	
9,000.0	8,988.2	8,966.0	8,942.0	14.3	10.4	32.28	702.8	211.6	697.2	674.7	22.46	31.040	
9,025.0	9,013.2	8,990.9	8,966.9	14.3	10.4	32.43	702.8	213.7	698.4	675.9	22.51	31.020	
9,050.0	9,038.2	9,015.8	8,991.7	14.3	10.4	32.58	702.8	215.9	699.6	677.0	22.57	31.001	
9,075.0	9,063.2	9,040.7	9,016.5	14.3	10.4	32.73	702.8	218.1	700.7	678.1	22.62	30.982	
9,100.0	9,088.2	9,065.6	9,041.3	14.3	10.5	32.88	702.8	220.2	701.9	679.2	22.67	30.962	
9,125.0	9,113.2	9,090.5	9,066.1	14.4	10.5	33.03	702.8	222.4	703.1	680.4	22.72	30.944	
9,150.0	9,138.2	9,115.4	9,090.9	14.4	10.5	33.18	702.8	224.6	704.3	681.5	22.77	30.925	
9,175.0	9,163.2	9,140.4	9,115.7	14.4	10.6	33.33	702.8	226.8	705.5	682.7	22.83	30.906	
9,200.0	9,188.2	9,165.3	9,140.5	14.4	10.6	33.47	702.8	228.9	706.7	683.8	22.88	30.888	
9,225.0	9,213.2	9,190.2	9,165.3	14.4	10.6	33.62	702.8	231.1	707.9	685.0	22.93	30.870	
9,250.0	9,238.2	9,215.1	9,190.1	14.5	10.7	33.77	702.8	233.3	709.1	686.1	22.98	30.852	
9,275.0	9,263.2	9,240.0	9,215.0	14.5	10.7	33.91	702.8	235.4	710.3	687.3	23.04	30.834	
9,300.0	9,288.2	9,264.9	9,239.8	14.5	10.7	34.06	702.8	237.6	711.6	688.5	23.09	30.817	
9,325.0	9,313.2	9,289.8	9,264.6	14.5	10.7	34.20	702.8	239.8	712.8	689.6	23.14	30.800	
9,350.0	9,338.2	9,314.7	9,289.4	14.5	10.8	34.35	702.8	242.0	714.0	690.8	23.20	30.783	
9,375.0	9,363.2	9,339.6	9,314.2	14.6	10.8	34.49	702.8	244.1	715.2	692.0	23.25	30.766	
9,400.0	9,388.2	9,364.5	9,339.0	14.6	10.8	34.63	702.8	246.3	716.5	693.2	23.30	30.749	
9,425.0	9,413.2	9,389.4	9,363.8	14.6	10.9	34.78	702.8	248.5	717.7	694.4	23.35	30.733	
9,450.0	9,438.2	9,414.3	9,388.6	14.6	10.9	34.92	702.8	250.6	719.0	695.6	23.41	30.716	
9,475.0	9,463.2	9,439.2	9,413.4	14.6	10.9	35.06	702.8	252.8	720.2	696.8	23.46	30.700	
9,500.0	9,488.2	9,464.1	9,438.3	14.7	11.0	35.20	702.8	255.0	721.5	698.0	23.51	30.684	
9,525.0	9,513.2	9,489.0	9,463.1	14.7	11.0	35.34	702.8	257.1	722.7	699.2	23.57	30.669	
9,550.0	9,538.2	9,513.9	9,487.9	14.7	11.0	35.48	702.8	259.3	724.0	700.4	23.62	30.653	
9,575.0	9,563.2	9,538.8	9,512.7	14.7	11.0	35.62	702.8	261.5	725.3	701.6	23.67	30.638	
9,600.0	9,588.2	9,563.7	9,537.5	14.7	11.1	35.76	702.8	263.7	726.6	702.8	23.73	30.623	
9,625.0	9,613.2	9,588.6	9,562.3	14.8	11.1	35.90	702.8	265.8	727.8	704.1	23.78	30.608	
9,650.0	9,638.2	9,613.5	9,587.1	14.8	11.1	36.04	702.8	268.0	729.1	705.3	23.83	30.593	
9,675.0	9,663.2	9,638.5	9,611.9	14.8	11.2	36.18	702.8	270.2	730.4	706.5	23.89	30.579	
9,700.0	9,688.2	9,663.4	9,636.7	14.8	11.2	36.31	702.8	272.3	731.7	707.8	23.94	30.564	
9,725.0	9,713.2	9,688.3	9,661.5	14.8	11.2	36.45	702.8	274.5	733.0	709.0	23.99	30.550	
9,750.0	9,738.2	9,713.2	9,686.4	14.9	11.3	36.59	702.8	276.7	734.3	710.2	24.05	30.536	
9,775.0	9,763.2	9,738.1	9,711.2	14.9	11.3	36.72	702.8	278.9	735.6	711.5	24.10	30.522	
9,800.0	9,788.2	9,763.0	9,736.0	14.9	11.3	36.86	702.8	281.0	736.9	712.8	24.15	30.509	
9,825.0	9,813.2	9,787.9	9,760.8	14.9	11.3	36.99	702.8	283.2	738.2	714.0	24.21	30.495	
9,850.0	9,838.2	9,812.8	9,785.6	14.9	11.4	37.13	702.8	285.4	739.5	715.3	24.26	30.482	
9,875.0	9,863.2	9,837.7	9,810.4	15.0	11.4	37.26	702.8	287.5	740.9	716.5	24.32	30.469	
9,900.0	9,888.2	9,862.6	9,835.2	15.0	11.4	37.40	702.8	289.7	742.2	717.8	24.37	30.456	
9,925.0	9,913.2	9,887.5	9,860.0	15.0	11.5	37.53	702.8	291.9	743.5	719.1	24.42	30.443	
9,950.0	9,938.2	9,912.4	9,884.8	15.0	11.5	37.66	702.8	294.0	744.8	720.4	24.48	30.430	
9,975.0	9,963.2	9,937.3	9,909.6	15.0	11.5	37.79	702.8	296.2	746.2	721.6	24.53	30.417	
10,000.0	9,988.2	9,962.2	9,934.5	15.1	11.6	37.93	702.8	298.4	747.5	722.9	24.59	30.405	
10,000.4	9,988.6	9,962.6	9,934.8	15.1	11.6	37.93	702.8	298.4	747.5	723.0	24.59	30.405	
10,025.0	10,013.2	9,987.1	9,959.3	15.1	11.6	38.09	702.8	300.6	748.4	723.7	24.62	30.396	
10,050.0	10,038.1	10,011.9	9,984.0	15.1	11.6	38.33	702.8	302.7	748.2	723.5	24.66	30.339	
10,075.0	10,062.9	10,036.6	10,008.6	15.1	11.7	38.70	702.8	304.9	747.0	722.3	24.70	30.238	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,100.0	10,087.5	10,061.1	10,033.0	15.1	11.7	39.21	702.8	307.0	744.8	720.1	24.75	30.095	
10,125.0	10,111.8	10,085.3	10,057.1	15.1	11.7	39.85	702.8	309.1	741.7	716.9	24.80	29.910	
10,150.0	10,135.8	10,109.2	10,080.9	15.1	11.7	40.64	702.8	311.2	737.5	712.7	24.85	29.685	
10,175.0	10,159.3	10,132.7	10,104.3	15.1	11.8	41.58	702.8	313.2	732.5	707.6	24.90	29.422	
10,200.0	10,182.4	10,155.7	10,127.2	15.1	11.8	42.66	702.8	315.3	726.6	701.7	24.95	29.122	
10,225.0	10,205.0	10,178.2	10,149.6	15.1	11.8	43.90	702.8	317.2	719.9	694.9	25.01	28.788	
10,250.0	10,227.0	10,200.1	10,171.4	15.1	11.9	45.29	702.8	319.1	712.3	687.3	25.06	28.421	
10,275.0	10,248.3	10,221.3	10,192.6	15.2	11.9	46.84	702.8	321.0	704.1	678.9	25.12	28.024	
10,300.0	10,268.9	10,241.9	10,213.0	15.2	11.9	48.55	702.8	322.8	695.1	669.9	25.19	27.599	
10,325.0	10,288.8	10,261.6	10,232.7	15.2	11.9	50.41	702.8	324.5	685.5	660.3	25.25	27.150	
10,350.0	10,307.8	10,281.8	10,252.8	15.2	12.0	52.49	702.8	326.2	675.4	650.1	25.31	26.682	
10,375.0	10,325.9	10,310.7	10,281.6	15.2	12.0	55.37	702.0	329.1	664.7	639.3	25.38	26.194	
10,400.0	10,343.1	10,335.5	10,306.1	15.2	12.0	58.34	700.2	332.0	653.3	627.9	25.44	25.683	
10,425.0	10,359.4	10,356.3	10,326.6	15.2	12.0	61.33	698.0	334.8	641.6	616.1	25.51	25.153	
10,450.0	10,374.6	10,373.5	10,343.5	15.2	12.0	64.25	695.6	337.3	629.7	604.1	25.58	24.617	
10,475.0	10,388.8	10,387.6	10,357.2	15.3	12.0	67.02	693.3	339.5	617.8	592.2	25.65	24.083	
10,500.0	10,401.9	10,398.8	10,368.1	15.3	12.0	69.60	691.3	341.3	606.0	580.3	25.73	23.557	
10,525.0	10,413.8	10,407.6	10,376.5	15.3	12.0	71.96	689.6	342.8	594.5	568.7	25.80	23.043	
10,550.0	10,424.6	10,414.1	10,382.8	15.3	12.0	74.07	688.2	344.0	583.4	557.5	25.88	22.545	
10,575.0	10,434.2	10,418.7	10,387.3	15.3	12.0	75.93	687.2	344.8	572.8	546.8	25.96	22.065	
10,600.0	10,442.5	10,421.6	10,390.0	15.4	12.0	77.52	686.5	345.3	562.8	536.7	26.05	21.607	
10,625.0	10,449.7	10,423.0	10,391.3	15.4	12.0	78.86	686.2	345.6	553.4	527.3	26.14	21.172	
10,650.0	10,455.5	10,423.0	10,391.4	15.4	12.0	79.94	686.2	345.6	544.8	518.6	26.24	20.763	
10,675.0	10,460.1	10,421.9	10,390.3	15.4	12.0	80.79	686.5	345.4	537.0	510.7	26.35	20.383	
10,700.0	10,463.4	10,419.7	10,388.2	15.5	12.0	81.40	687.0	345.0	530.1	503.6	26.46	20.033	
10,725.0	10,465.4	10,416.5	10,385.1	15.5	12.0	81.79	687.7	344.4	524.0	497.4	26.57	19.718	
10,745.4	10,466.0	10,413.3	10,382.1	15.5	12.0	81.95	688.4	343.8	519.7	493.1	26.67	19.487	
10,750.0	10,466.0	10,412.5	10,381.3	15.5	12.0	81.87	688.5	343.7	518.9	492.2	26.69	19.438	
10,775.0	10,466.3	10,408.5	10,377.4	15.6	12.0	81.42	689.4	343.0	514.8	488.0	26.81	19.199	
10,800.0	10,466.6	10,400.0	10,369.2	15.6	12.0	80.48	691.1	341.5	511.9	485.0	26.96	18.991	
10,825.0	10,466.8	10,400.0	10,369.2	15.6	12.0	80.48	691.1	341.5	510.2	483.1	27.06	18.850	
10,848.5	10,467.1	10,400.0	10,369.2	15.7	12.0	80.48	691.1	341.5	509.6	482.5	27.16	18.766 CC	
10,850.0	10,467.1	10,400.0	10,369.2	15.7	12.0	80.48	691.1	341.5	509.6	482.5	27.16	18.762 ES	
10,875.0	10,467.4	10,400.0	10,369.2	15.7	12.0	80.48	691.1	341.5	510.3	483.1	27.25	18.726	
10,900.0	10,467.6	10,391.4	10,360.9	15.8	12.0	79.53	692.7	340.1	512.1	484.7	27.39	18.699 SF	
10,925.0	10,467.9	10,388.6	10,358.1	15.9	12.0	79.22	693.2	339.6	515.1	487.6	27.49	18.741	
10,950.0	10,468.1	10,385.8	10,355.5	15.9	12.0	78.92	693.6	339.2	519.3	491.8	27.57	18.834	
10,975.0	10,468.4	10,383.3	10,353.0	16.0	12.0	78.63	694.1	338.8	524.7	497.0	27.65	18.975	
11,000.0	10,468.7	10,380.8	10,350.6	16.0	12.0	78.36	694.5	338.4	531.1	503.4	27.71	19.165	
11,025.0	10,468.9	10,378.5	10,348.3	16.1	12.0	78.10	694.9	338.1	538.6	510.8	27.77	19.394	
11,050.0	10,469.2	10,376.3	10,346.2	16.2	12.0	77.85	695.2	337.7	547.1	519.3	27.82	19.667	
11,075.0	10,469.4	10,374.1	10,344.1	16.3	12.0	77.62	695.5	337.4	556.6	528.8	27.86	19.983	
11,100.0	10,469.7	10,372.1	10,342.1	16.3	12.0	77.39	695.8	337.1	567.1	539.2	27.88	20.340	
11,125.0	10,470.0	10,370.2	10,340.2	16.4	12.0	77.18	696.1	336.8	578.4	550.5	27.90	20.729	
11,150.0	10,470.2	10,368.3	10,338.4	16.5	12.0	76.97	696.4	336.5	590.6	562.6	27.92	21.154	
11,175.0	10,470.5	10,366.6	10,336.7	16.6	12.0	76.78	696.6	336.3	603.5	575.6	27.92	21.613	
11,200.0	10,470.8	10,364.9	10,335.0	16.7	12.0	76.59	696.9	336.0	617.2	589.2	27.92	22.103	
11,225.0	10,471.0	10,363.2	10,333.4	16.8	12.0	76.41	697.1	335.8	631.5	603.6	27.92	22.619	
11,250.0	10,471.3	10,350.0	10,320.4	16.9	12.0	74.95	698.7	333.9	646.7	618.7	28.02	23.083	
11,275.0	10,471.5	10,350.0	10,320.4	17.0	12.0	74.95	698.7	333.9	662.3	634.3	27.99	23.660	
11,300.0	10,471.8	10,350.0	10,320.4	17.1	12.0	74.95	698.7	333.9	678.4	650.4	27.96	24.262	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,325.0	10,472.1	10,350.0	10,320.4	17.2	12.0	74.95	698.7	333.9	695.0	667.1	27.93	24.882	
11,350.0	10,472.3	10,350.0	10,320.4	17.3	12.0	74.95	698.7	333.9	712.1	684.2	27.90	25.522	
11,375.0	10,472.6	10,350.0	10,320.4	17.4	12.0	74.95	698.7	333.9	729.7	701.8	27.87	26.181	
11,400.0	10,472.8	10,350.0	10,320.4	17.5	12.0	74.95	698.7	333.9	747.7	719.8	27.84	26.858	
11,425.0	10,473.1	10,350.0	10,320.4	17.6	12.0	74.95	698.7	333.9	766.1	738.3	27.81	27.547	
11,450.0	10,473.4	10,350.0	10,320.4	17.8	12.0	74.95	698.7	333.9	784.8	757.1	27.78	28.251	
11,475.0	10,473.6	10,350.0	10,320.4	17.9	12.0	74.95	698.7	333.9	803.9	776.2	27.75	28.970	
11,500.0	10,473.9	10,350.0	10,320.4	18.0	12.0	74.95	698.7	333.9	823.3	795.6	27.72	29.701	
11,525.0	10,474.1	10,350.0	10,320.4	18.1	12.0	74.95	698.7	333.9	843.1	815.4	27.70	30.441	
11,550.0	10,474.4	10,350.0	10,320.4	18.3	12.0	74.95	698.7	333.9	863.0	835.4	27.67	31.191	
11,575.0	10,474.7	10,350.0	10,320.4	18.4	12.0	74.95	698.7	333.9	883.3	855.6	27.64	31.952	
11,600.0	10,474.9	10,350.0	10,320.4	18.5	12.0	74.95	698.7	333.9	903.7	876.1	27.62	32.722	
11,625.0	10,475.2	10,350.0	10,320.4	18.6	12.0	74.95	698.7	333.9	924.4	896.9	27.60	33.498	
11,650.0	10,475.5	10,350.0	10,320.4	18.8	12.0	74.95	698.7	333.9	945.4	917.8	27.58	34.282	
11,675.0	10,475.7	10,350.0	10,320.4	18.9	12.0	74.95	698.7	333.9	966.5	938.9	27.56	35.074	
11,700.0	10,476.0	10,350.0	10,320.4	19.0	12.0	74.95	698.7	333.9	987.7	960.2	27.54	35.872	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-27.84	702.6	-371.0	794.7				
25.0	25.0	11.3	11.3	0.5	3.0	-27.84	702.6	-371.0	794.5				
50.0	50.0	36.3	36.3	0.5	3.0	-27.84	702.6	-371.0	794.5	789.8	4.73	168.147	
75.0	75.0	61.3	61.3	0.5	3.0	-27.84	702.6	-371.0	794.5	789.8	4.73	168.143	
100.0	100.0	86.3	86.3	0.5	3.0	-27.84	702.6	-371.0	794.5	789.8	4.73	168.137	
125.0	125.0	111.3	111.3	0.6	3.0	-27.84	702.6	-371.0	794.5	789.8	4.76	166.940	
150.0	150.0	136.3	136.3	0.8	3.0	-27.84	702.6	-371.0	794.5	789.7	4.80	165.499	
175.0	175.0	161.3	161.3	0.9	3.0	-27.84	702.6	-371.0	794.5	789.7	4.85	163.839	
200.0	200.0	186.3	186.3	1.0	3.0	-27.84	702.6	-371.0	794.5	789.6	4.91	161.983	
225.0	225.0	211.3	211.3	1.1	3.0	-27.84	702.6	-371.0	794.5	789.6	4.95	160.632	
250.0	250.0	236.3	236.3	1.2	3.0	-27.84	702.6	-371.0	794.5	789.5	4.99	159.206	
275.0	275.0	261.3	261.3	1.3	3.0	-27.84	702.6	-371.0	794.5	789.5	5.04	157.711	
300.0	300.0	286.3	286.3	1.4	3.0	-27.84	702.6	-371.0	794.5	789.4	5.09	156.157	
325.0	325.0	311.3	311.3	1.4	3.0	-27.84	702.6	-371.0	794.5	789.4	5.13	154.828	
350.0	350.0	336.3	336.3	1.5	3.0	-27.84	702.6	-371.0	794.5	789.4	5.18	153.465	
375.0	375.0	361.3	361.3	1.6	3.0	-27.84	702.6	-371.0	794.5	789.3	5.22	152.071	
400.0	400.0	386.3	386.3	1.6	3.0	-27.84	702.6	-371.0	794.5	789.3	5.27	150.651	
425.0	425.0	411.3	411.3	1.7	3.0	-27.84	702.6	-371.0	794.5	789.2	5.32	149.373	
450.0	450.0	436.3	436.3	1.8	3.0	-27.84	702.6	-371.0	794.5	789.2	5.37	148.079	
475.0	475.0	461.3	461.3	1.8	3.0	-27.84	702.6	-371.0	794.5	789.1	5.41	146.771	
500.0	500.0	486.3	486.3	1.9	3.1	-27.84	702.6	-371.0	794.5	789.1	5.46	145.451	
525.0	525.0	511.3	511.3	1.9	3.1	-27.84	702.6	-371.0	794.5	789.0	5.51	144.232	
550.0	550.0	536.3	536.3	2.0	3.1	-27.84	702.6	-371.0	794.5	789.0	5.56	143.006	
575.0	575.0	561.3	561.3	2.1	3.1	-27.84	702.6	-371.0	794.5	788.9	5.60	141.775	
600.0	600.0	586.3	586.3	2.1	3.1	-27.84	702.6	-371.0	794.5	788.9	5.65	140.540	
625.0	625.0	611.3	611.3	2.2	3.1	-27.84	702.6	-371.0	794.5	788.8	5.70	139.382	
650.0	650.0	636.3	636.3	2.2	3.1	-27.84	702.6	-371.0	794.5	788.8	5.75	138.222	
675.0	675.0	661.3	661.3	2.3	3.1	-27.84	702.6	-371.0	794.5	788.7	5.80	137.062	
700.0	700.0	686.3	686.3	2.3	3.1	-27.84	702.6	-371.0	794.5	788.7	5.85	135.902	
725.0	725.0	711.3	711.3	2.4	3.1	-27.84	702.6	-371.0	794.5	788.6	5.89	134.803	
750.0	750.0	736.3	736.3	2.4	3.1	-27.84	702.6	-371.0	794.5	788.6	5.94	133.706	
775.0	775.0	761.3	761.3	2.5	3.1	-27.84	702.6	-371.0	794.5	788.5	5.99	132.611	
800.0	800.0	786.3	786.3	2.5	3.1	-27.84	702.6	-371.0	794.5	788.5	6.04	131.520	
825.0	825.0	811.3	811.3	2.6	3.2	-27.84	702.6	-371.0	794.5	788.4	6.09	130.478	
850.0	850.0	836.3	836.3	2.6	3.2	-27.84	702.6	-371.0	794.5	788.4	6.14	129.440	
875.0	875.0	861.3	861.3	2.6	3.2	-27.84	702.6	-371.0	794.5	788.3	6.19	128.406	
900.0	900.0	886.3	886.3	2.7	3.2	-27.84	702.6	-371.0	794.5	788.3	6.24	127.378	
925.0	925.0	911.3	911.3	2.7	3.2	-27.84	702.6	-371.0	794.5	788.2	6.29	126.390	
950.0	950.0	936.3	936.3	2.8	3.2	-27.84	702.6	-371.0	794.5	788.2	6.34	125.407	
975.0	975.0	961.3	961.3	2.8	3.2	-27.84	702.6	-371.0	794.5	788.2	6.39	124.430	
1,000.0	1,000.0	986.3	986.3	2.9	3.2	-27.84	702.6	-371.0	794.5	788.1	6.44	123.459	
1,025.0	1,025.0	1,011.3	1,011.3	2.9	3.3	-27.84	702.6	-371.0	794.5	788.1	6.48	122.523	
1,050.0	1,050.0	1,036.3	1,036.3	3.0	3.3	-27.84	702.6	-371.0	794.5	788.0	6.53	121.592	
1,075.0	1,075.0	1,061.3	1,061.3	3.0	3.3	-27.84	702.6	-371.0	794.5	788.0	6.58	120.668	
1,100.0	1,100.0	1,086.3	1,086.3	3.0	3.3	-27.84	702.6	-371.0	794.5	787.9	6.63	119.750	
1,125.0	1,125.0	1,111.3	1,111.3	3.1	3.3	-27.84	702.6	-371.0	794.5	787.9	6.68	118.862	
1,150.0	1,150.0	1,136.3	1,136.3	3.1	3.3	-27.84	702.6	-371.0	794.5	787.8	6.73	117.980	
1,175.0	1,175.0	1,161.3	1,161.3	3.2	3.3	-27.84	702.6	-371.0	794.5	787.8	6.78	117.105	
1,200.0	1,200.0	1,186.3	1,186.3	3.2	3.3	-27.84	702.6	-371.0	794.5	787.7	6.84	116.237	
1,225.0	1,225.0	1,211.3	1,211.3	3.2	3.4	-27.84	702.6	-371.0	794.5	787.7	6.89	115.394	
1,250.0	1,250.0	1,236.3	1,236.3	3.3	3.4	-27.84	702.6	-371.0	794.5	787.6	6.94	114.558	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,261.3	1,261.3	3.3	3.4	-27.84	702.6	-371.0	794.5	787.5	6.99	113.728	
1,300.0	1,300.0	1,286.3	1,286.3	3.4	3.4	-27.84	702.6	-371.0	794.5	787.5	7.04	112.906	
1,325.0	1,325.0	1,311.3	1,311.3	3.4	3.4	-27.84	702.6	-371.0	794.5	787.4	7.09	112.105	
1,350.0	1,350.0	1,336.3	1,336.3	3.4	3.4	-27.84	702.6	-371.0	794.5	787.4	7.14	111.312	
1,375.0	1,375.0	1,361.3	1,361.3	3.5	3.5	-27.84	702.6	-371.0	794.5	787.3	7.19	110.525	
1,400.0	1,400.0	1,386.3	1,386.3	3.5	3.5	-27.84	702.6	-371.0	794.5	787.3	7.24	109.745	
1,425.0	1,425.0	1,411.3	1,411.3	3.6	3.5	-27.84	702.6	-371.0	794.5	787.2	7.29	108.984	
1,450.0	1,450.0	1,436.3	1,436.3	3.6	3.5	-27.84	702.6	-371.0	794.5	787.2	7.34	108.230	
1,475.0	1,475.0	1,461.3	1,461.3	3.6	3.5	-27.84	702.6	-371.0	794.5	787.1	7.39	107.483	
1,500.0	1,500.0	1,486.3	1,486.3	3.7	3.5	-27.84	702.6	-371.0	794.5	787.1	7.44	106.742	
1,525.0	1,525.0	1,511.3	1,511.3	3.7	3.6	-27.84	702.6	-371.0	794.5	787.0	7.49	106.019	
1,550.0	1,550.0	1,536.3	1,536.3	3.8	3.6	-27.84	702.6	-371.0	794.5	787.0	7.55	105.303	
1,575.0	1,575.0	1,561.3	1,561.3	3.8	3.6	-27.84	702.6	-371.0	794.5	786.9	7.60	104.592	
1,600.0	1,600.0	1,586.3	1,586.3	3.8	3.6	-27.84	702.6	-371.0	794.5	786.9	7.65	103.889	
1,625.0	1,625.0	1,611.3	1,611.3	3.9	3.6	-27.84	702.6	-371.0	794.5	786.8	7.70	103.201	
1,650.0	1,650.0	1,636.3	1,636.3	3.9	3.6	-27.84	702.6	-371.0	794.5	786.8	7.75	102.519	
1,675.0	1,675.0	1,661.3	1,661.3	3.9	3.7	-27.84	702.6	-371.0	794.5	786.7	7.80	101.843	
1,700.0	1,700.0	1,686.3	1,686.3	4.0	3.7	-27.84	702.6	-371.0	794.5	786.7	7.85	101.173	
1,725.0	1,725.0	1,711.3	1,711.3	4.0	3.7	-27.84	702.6	-371.0	794.5	786.6	7.90	100.518	
1,750.0	1,750.0	1,736.3	1,736.3	4.1	3.7	-27.84	702.6	-371.0	794.5	786.6	7.96	99.869	
1,775.0	1,775.0	1,761.3	1,761.3	4.1	3.7	-27.84	702.6	-371.0	794.5	786.5	8.01	99.225	
1,800.0	1,800.0	1,786.3	1,786.3	4.1	3.8	-27.84	702.6	-371.0	794.5	786.5	8.06	98.588	
1,825.0	1,825.0	1,811.3	1,811.3	4.2	3.8	-27.84	702.6	-371.0	794.5	786.4	8.11	97.963	
1,850.0	1,850.0	1,836.3	1,836.3	4.2	3.8	-27.84	702.6	-371.0	794.5	786.4	8.16	97.344	
1,875.0	1,875.0	1,861.3	1,861.3	4.2	3.8	-27.84	702.6	-371.0	794.5	786.3	8.21	96.731	
1,900.0	1,900.0	1,886.3	1,886.3	4.3	3.8	-27.84	702.6	-371.0	794.5	786.3	8.27	96.123	
1,925.0	1,925.0	1,911.3	1,911.3	4.3	3.9	-27.84	702.6	-371.0	794.5	786.2	8.32	95.527	
1,950.0	1,950.0	1,936.3	1,936.3	4.3	3.9	-27.84	702.6	-371.0	794.5	786.2	8.37	94.937	
1,975.0	1,975.0	1,961.3	1,961.3	4.4	3.9	-27.84	702.6	-371.0	794.5	786.1	8.42	94.352	
2,000.0	2,000.0	1,986.3	1,986.3	4.4	3.9	-27.84	702.6	-371.0	794.5	786.1	8.47	93.772	
2,025.0	2,025.0	2,011.3	2,011.3	4.4	3.9	26.77	702.6	-371.0	794.4	785.9	8.53	93.095	
2,050.0	2,050.0	2,036.3	2,036.3	4.5	4.0	26.78	702.6	-371.0	794.1	785.5	8.60	92.337	
2,075.0	2,075.0	2,061.3	2,061.3	4.5	4.0	26.80	702.6	-371.0	793.7	785.0	8.67	91.505	
2,100.0	2,100.0	2,086.3	2,086.3	4.6	4.0	26.83	702.6	-371.0	793.0	784.2	8.75	90.603	
2,125.0	2,125.0	2,111.3	2,111.3	4.6	4.0	26.87	702.6	-371.0	792.1	783.3	8.84	89.620	
2,150.0	2,149.9	2,136.2	2,136.2	4.7	4.1	26.92	702.6	-371.0	791.0	782.1	8.93	88.621	
2,175.0	2,174.9	2,161.2	2,161.2	4.7	4.1	26.98	702.6	-371.0	789.8	780.8	9.02	87.606	
2,200.0	2,199.8	2,186.1	2,186.1	4.8	4.1	27.05	702.6	-371.0	788.3	779.2	9.11	86.577	
2,225.0	2,224.8	2,211.1	2,211.1	4.8	4.1	27.12	702.6	-371.0	786.7	777.5	9.20	85.540	
2,250.0	2,249.7	2,236.0	2,236.0	4.9	4.1	27.21	702.6	-371.0	784.8	775.5	9.29	84.494	
2,275.0	2,274.6	2,260.9	2,260.9	5.0	4.2	27.30	702.6	-371.0	782.8	773.4	9.38	83.439	
2,300.0	2,299.5	2,285.8	2,285.8	5.0	4.2	27.41	702.6	-371.0	780.6	771.1	9.48	82.377	
2,325.0	2,324.3	2,310.6	2,310.6	5.1	4.2	27.52	702.6	-371.0	778.1	768.6	9.57	81.296	
2,350.0	2,349.1	2,335.4	2,335.4	5.2	4.2	27.65	702.6	-371.0	775.5	765.9	9.67	80.209	
2,375.0	2,373.9	2,360.2	2,360.2	5.2	4.3	27.78	702.6	-371.0	772.7	763.0	9.77	79.119	
2,400.1	2,398.8	2,385.1	2,385.1	5.3	4.3	27.93	702.6	-371.0	769.7	759.9	9.87	78.022	
2,425.0	2,423.5	2,409.8	2,409.8	5.4	4.3	28.05	702.6	-371.0	766.7	756.7	9.95	77.072	
2,450.0	2,448.2	2,434.5	2,434.5	5.4	4.3	28.17	702.6	-371.0	763.6	753.6	10.03	76.133	
2,475.0	2,473.0	2,459.3	2,459.3	5.5	4.4	28.30	702.6	-371.0	760.5	750.4	10.11	75.208	
2,500.0	2,497.7	2,484.0	2,484.0	5.6	4.4	28.42	702.6	-371.0	757.4	747.3	10.19	74.297	
2,525.0	2,522.5	2,508.8	2,508.8	5.6	4.4	28.55	702.6	-371.0	754.4	744.1	10.28	73.372	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,533.5	2,533.5	5.7	4.4	28.67	702.6	-371.0	751.3	741.0	10.37	72.462	
2,575.0	2,572.0	2,558.3	2,558.3	5.7	4.5	28.80	702.6	-371.0	748.3	737.8	10.46	71.565	
2,600.0	2,596.8	2,583.1	2,583.1	5.8	4.5	28.93	702.6	-371.0	745.2	734.7	10.54	70.683	
2,625.0	2,621.5	2,607.8	2,607.8	5.9	4.5	29.06	702.6	-371.0	742.2	731.5	10.63	69.790	
2,650.0	2,646.3	2,632.6	2,632.6	6.0	4.5	29.19	702.6	-371.0	739.1	728.4	10.73	68.911	
2,675.0	2,671.0	2,657.3	2,657.3	6.0	4.5	29.32	702.6	-371.0	736.1	725.2	10.82	68.046	
2,700.0	2,695.8	2,682.1	2,682.1	6.1	4.6	29.45	702.6	-371.0	733.0	722.1	10.91	67.195	
2,725.0	2,720.5	2,706.8	2,706.8	6.2	4.6	29.59	702.6	-371.0	730.0	719.0	11.00	66.340	
2,750.0	2,745.3	2,731.6	2,731.6	6.2	4.6	29.72	702.6	-371.0	727.0	715.9	11.10	65.498	
2,775.0	2,770.1	2,756.4	2,756.4	6.3	4.6	29.86	702.6	-371.0	723.9	712.7	11.19	64.669	
2,800.0	2,794.8	2,781.1	2,781.1	6.4	4.7	30.00	702.6	-371.0	720.9	709.6	11.29	63.855	
2,825.0	2,819.6	2,805.9	2,805.9	6.5	4.7	30.13	702.6	-371.0	717.9	706.5	11.39	63.039	
2,850.0	2,844.3	2,830.6	2,830.6	6.5	4.7	30.27	702.6	-371.0	714.9	703.4	11.49	62.236	
2,875.0	2,869.1	2,855.4	2,855.4	6.6	4.7	30.41	702.6	-371.0	711.9	700.3	11.58	61.447	
2,900.0	2,893.8	2,880.1	2,880.1	6.7	4.8	30.56	702.6	-371.0	708.9	697.2	11.68	60.671	
2,925.0	2,918.6	2,904.9	2,904.9	6.8	4.8	30.70	702.6	-371.0	705.9	694.1	11.78	59.897	
2,950.0	2,943.3	2,929.6	2,929.6	6.9	4.8	30.84	702.6	-371.0	702.9	691.0	11.89	59.136	
2,975.0	2,968.1	2,954.4	2,954.4	7.0	4.9	30.99	702.6	-371.0	699.9	687.9	11.99	58.387	
3,000.0	2,992.9	2,979.2	2,979.2	7.0	4.9	31.14	702.6	-371.0	696.9	684.8	12.09	57.651	
3,025.0	3,017.6	3,003.9	3,003.9	7.1	4.9	31.29	702.6	-371.0	693.9	681.7	12.19	56.919	
3,050.0	3,042.4	3,028.7	3,028.7	7.2	4.9	31.43	702.6	-371.0	690.9	678.6	12.29	56.199	
3,075.0	3,067.1	3,053.4	3,053.4	7.3	5.0	31.59	702.6	-371.0	687.9	675.5	12.40	55.491	
3,100.0	3,091.9	3,078.2	3,078.2	7.4	5.0	31.74	702.6	-371.0	685.0	672.5	12.50	54.795	
3,125.0	3,116.6	3,102.9	3,102.9	7.5	5.0	31.89	702.6	-371.0	682.0	669.4	12.61	54.104	
3,150.0	3,141.4	3,127.7	3,127.7	7.6	5.0	32.05	702.6	-371.0	679.0	666.3	12.71	53.424	
3,175.0	3,166.2	3,152.5	3,152.5	7.6	5.1	32.20	702.6	-371.0	676.1	663.3	12.82	52.757	
3,200.0	3,190.9	3,177.2	3,177.2	7.7	5.1	32.36	702.6	-371.0	673.1	660.2	12.92	52.100	
3,212.6	3,203.4	3,189.7	3,189.7	7.8	5.1	32.44	702.6	-371.0	671.6	658.7	12.96	51.818	
3,225.0	3,215.7	3,202.0	3,202.0	7.8	5.1	32.51	702.6	-371.0	670.2	657.2	13.02	51.488	
3,250.0	3,240.4	3,226.7	3,226.7	7.9	5.1	32.65	702.6	-371.0	667.4	654.2	13.13	50.834	
3,275.0	3,265.2	3,251.5	3,251.5	8.0	5.2	32.79	702.6	-371.0	664.6	651.4	13.24	50.198	
3,300.0	3,290.0	3,276.3	3,276.3	8.1	5.2	32.92	702.6	-371.0	661.9	648.6	13.35	49.580	
3,325.0	3,314.8	3,301.1	3,301.1	8.2	5.2	33.05	702.6	-371.0	659.4	645.9	13.46	49.006	
3,350.0	3,339.7	3,326.0	3,326.0	8.3	5.2	33.17	702.6	-371.0	656.9	643.4	13.56	48.446	
3,375.0	3,364.5	3,350.8	3,350.8	8.4	5.3	33.30	702.6	-371.0	654.5	640.9	13.66	47.903	
3,400.0	3,389.4	3,375.7	3,375.7	8.4	5.3	33.42	702.6	-371.0	652.3	638.5	13.77	47.374	
3,425.0	3,414.2	3,400.5	3,400.5	8.5	5.3	33.53	702.6	-371.0	650.1	636.2	13.87	46.865	
3,450.0	3,439.1	3,425.4	3,425.4	8.6	5.4	33.64	702.6	-371.0	648.0	634.0	13.97	46.370	
3,475.0	3,464.0	3,450.3	3,450.3	8.7	5.4	33.75	702.6	-371.0	646.0	631.9	14.08	45.889	
3,500.0	3,488.9	3,475.2	3,475.2	8.8	5.4	33.85	702.6	-371.0	644.1	629.9	14.18	45.421	
3,525.0	3,513.8	3,500.1	3,500.1	8.9	5.4	33.95	702.6	-371.0	642.3	628.0	14.28	44.973	
3,550.0	3,538.7	3,525.0	3,525.0	9.0	5.5	34.04	702.6	-371.0	640.6	626.2	14.38	44.538	
3,575.0	3,563.6	3,549.9	3,549.9	9.1	5.5	34.13	702.6	-371.0	638.9	624.4	14.48	44.114	
3,600.0	3,588.5	3,574.8	3,574.8	9.1	5.5	34.22	702.6	-371.0	637.4	622.8	14.58	43.703	
3,625.0	3,613.5	3,599.8	3,599.8	9.2	5.5	34.30	702.6	-371.0	635.9	621.3	14.68	43.312	
3,650.0	3,638.4	3,624.7	3,624.7	9.3	5.6	34.37	702.6	-371.0	634.6	619.8	14.78	42.932	
3,675.0	3,663.4	3,649.7	3,649.7	9.4	5.6	34.44	702.6	-371.0	633.3	618.5	14.88	42.563	
3,700.0	3,688.3	3,674.6	3,674.6	9.5	5.6	34.51	702.6	-371.0	632.2	617.2	14.98	42.205	
3,725.0	3,713.3	3,699.6	3,699.6	9.5	5.7	34.57	702.6	-371.0	631.1	616.0	15.07	41.868	
3,750.0	3,738.3	3,724.6	3,724.6	9.6	5.7	34.63	702.6	-371.0	630.1	614.9	15.17	41.541	
3,775.0	3,763.3	3,749.6	3,749.6	9.7	5.7	34.68	702.6	-371.0	629.2	613.9	15.26	41.224	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,774.5	3,774.5	9.8	5.7	34.72	702.6	-371.0	628.4	613.0	15.36	40.915	
3,825.0	3,813.2	3,799.5	3,799.5	9.9	5.8	34.76	702.6	-371.0	627.7	612.2	15.45	40.632	
3,850.0	3,838.2	3,824.5	3,824.5	9.9	5.8	34.80	702.6	-371.0	627.0	611.5	15.54	40.357	
3,875.0	3,863.2	3,849.5	3,849.5	10.0	5.8	34.83	702.6	-371.0	626.5	610.9	15.63	40.091	
3,900.0	3,888.2	3,874.5	3,874.5	10.1	5.9	34.86	702.6	-371.0	626.1	610.3	15.72	39.832	
3,925.0	3,913.2	3,899.5	3,899.5	10.1	5.9	34.88	702.6	-371.0	625.7	609.9	15.80	39.613	
3,950.0	3,938.2	3,924.5	3,924.5	10.2	5.9	34.89	702.6	-371.0	625.4	609.6	15.87	39.401	
3,975.0	3,963.2	3,949.5	3,949.5	10.2	5.9	34.90	702.6	-371.0	625.2	609.3	15.95	39.196	
4,000.0	3,988.2	3,974.5	3,974.5	10.3	6.0	34.91	702.6	-371.0	625.2	609.1	16.03	38.998	
4,012.8	4,001.0	3,987.3	3,987.3	10.3	6.0	-19.69	702.6	-371.0	625.1	609.1	16.05	38.949	
4,025.0	4,013.2	3,999.5	3,999.5	10.3	6.0	-19.69	702.6	-371.0	625.1	609.1	16.07	38.890	
4,050.0	4,038.2	4,024.5	4,024.5	10.3	6.0	-19.69	702.6	-371.0	625.1	609.0	16.12	38.770	
4,075.0	4,063.2	4,049.5	4,049.5	10.4	6.1	-19.69	702.6	-371.0	625.1	609.0	16.17	38.650	
4,100.0	4,088.2	4,074.5	4,074.5	10.4	6.1	-19.69	702.6	-371.0	625.1	608.9	16.22	38.531	
4,125.0	4,113.2	4,099.5	4,099.5	10.4	6.1	-19.69	702.6	-371.0	625.1	608.9	16.27	38.424	
4,150.0	4,138.2	4,124.5	4,124.5	10.4	6.1	-19.69	702.6	-371.0	625.1	608.8	16.31	38.317	
4,175.0	4,163.2	4,149.5	4,149.5	10.4	6.2	-19.69	702.6	-371.0	625.1	608.8	16.36	38.211	
4,200.0	4,188.2	4,174.5	4,174.5	10.5	6.2	-19.69	702.6	-371.0	625.1	608.7	16.41	38.106	
4,225.0	4,213.2	4,199.5	4,199.5	10.5	6.2	-19.69	702.6	-371.0	625.1	608.7	16.45	38.000	
4,250.0	4,238.2	4,224.5	4,224.5	10.5	6.3	-19.69	702.6	-371.0	625.1	608.6	16.50	37.896	
4,275.0	4,263.2	4,249.5	4,249.5	10.5	6.3	-19.69	702.6	-371.0	625.1	608.6	16.54	37.792	
4,300.0	4,288.2	4,274.5	4,274.5	10.5	6.3	-19.69	702.6	-371.0	625.1	608.6	16.59	37.688	
4,325.0	4,313.2	4,299.5	4,299.5	10.6	6.3	-19.69	702.6	-371.0	625.1	608.5	16.63	37.585	
4,350.0	4,338.2	4,324.5	4,324.5	10.6	6.4	-19.69	702.6	-371.0	625.1	608.5	16.68	37.482	
4,375.0	4,363.2	4,349.5	4,349.5	10.6	6.4	-19.69	702.6	-371.0	625.1	608.4	16.72	37.380	
4,400.0	4,388.2	4,374.5	4,374.5	10.6	6.4	-19.69	702.6	-371.0	625.1	608.4	16.77	37.278	
4,425.0	4,413.2	4,399.5	4,399.5	10.6	6.5	-19.69	702.6	-371.0	625.1	608.3	16.82	37.176	
4,450.0	4,438.2	4,424.5	4,424.5	10.7	6.5	-19.69	702.6	-371.0	625.1	608.3	16.86	37.076	
4,475.0	4,463.2	4,449.5	4,449.5	10.7	6.5	-19.69	702.6	-371.0	625.1	608.2	16.91	36.975	
4,500.0	4,488.2	4,474.5	4,474.5	10.7	6.5	-19.69	702.6	-371.0	625.1	608.2	16.95	36.875	
4,525.0	4,513.2	4,499.5	4,499.5	10.7	6.6	-19.69	702.6	-371.0	625.1	608.1	17.00	36.776	
4,550.0	4,538.2	4,524.5	4,524.5	10.7	6.6	-19.69	702.6	-371.0	625.1	608.1	17.04	36.677	
4,575.0	4,563.2	4,549.5	4,549.5	10.8	6.6	-19.69	702.6	-371.0	625.1	608.1	17.09	36.578	
4,600.0	4,588.2	4,574.5	4,574.5	10.8	6.7	-19.69	702.6	-371.0	625.1	608.0	17.14	36.480	
4,625.0	4,613.2	4,599.5	4,599.5	10.8	6.7	-19.69	702.6	-371.0	625.1	608.0	17.18	36.382	
4,650.0	4,638.2	4,624.5	4,624.5	10.8	6.7	-19.69	702.6	-371.0	625.1	607.9	17.23	36.285	
4,675.0	4,663.2	4,649.5	4,649.5	10.8	6.8	-19.69	702.6	-371.0	625.1	607.9	17.27	36.188	
4,700.0	4,688.2	4,674.5	4,674.5	10.9	6.8	-19.69	702.6	-371.0	625.1	607.8	17.32	36.091	
4,725.0	4,713.2	4,699.5	4,699.5	10.9	6.8	-19.69	702.6	-371.0	625.1	607.8	17.37	35.995	
4,750.0	4,738.2	4,724.5	4,724.5	10.9	6.8	-19.69	702.6	-371.0	625.1	607.7	17.41	35.900	
4,775.0	4,763.2	4,749.5	4,749.5	10.9	6.9	-19.69	702.6	-371.0	625.1	607.7	17.46	35.805	
4,800.0	4,788.2	4,774.5	4,774.5	10.9	6.9	-19.69	702.6	-371.0	625.1	607.6	17.51	35.710	
4,825.0	4,813.2	4,799.5	4,799.5	11.0	6.9	-19.69	702.6	-371.0	625.1	607.6	17.55	35.616	
4,850.0	4,838.2	4,824.5	4,824.5	11.0	7.0	-19.69	702.6	-371.0	625.1	607.5	17.60	35.522	
4,875.0	4,863.2	4,849.5	4,849.5	11.0	7.0	-19.69	702.6	-371.0	625.1	607.5	17.65	35.429	
4,900.0	4,888.2	4,874.5	4,874.5	11.0	7.0	-19.69	702.6	-371.0	625.1	607.5	17.69	35.336	
4,925.0	4,913.2	4,899.5	4,899.5	11.0	7.0	-19.69	702.6	-371.0	625.1	607.4	17.74	35.243	
4,950.0	4,938.2	4,924.5	4,924.5	11.1	7.1	-19.69	702.6	-371.0	625.1	607.4	17.78	35.151	
4,975.0	4,963.2	4,949.5	4,949.5	11.1	7.1	-19.69	702.6	-371.0	625.1	607.3	17.83	35.059	
5,000.0	4,988.2	4,974.5	4,974.5	11.1	7.1	-19.69	702.6	-371.0	625.1	607.3	17.88	34.968	
5,025.0	5,013.2	4,999.5	4,999.5	11.1	7.2	-19.69	702.6	-371.0	625.1	607.2	17.92	34.877	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	5,024.5	5,024.5	11.1	7.2	-19.69	702.6	-371.0	625.1	607.2	17.97	34.787	
5,075.0	5,063.2	5,049.5	5,049.5	11.2	7.2	-19.69	702.6	-371.0	625.1	607.1	18.02	34.696	
5,100.0	5,088.2	5,074.5	5,074.5	11.2	7.3	-19.69	702.6	-371.0	625.1	607.1	18.06	34.607	
5,125.0	5,113.2	5,099.5	5,099.5	11.2	7.3	-19.69	702.6	-371.0	625.1	607.0	18.11	34.517	
5,150.0	5,138.2	5,124.5	5,124.5	11.2	7.3	-19.69	702.6	-371.0	625.1	607.0	18.16	34.429	
5,175.0	5,163.2	5,149.5	5,149.5	11.2	7.3	-19.69	702.6	-371.0	625.1	606.9	18.20	34.340	
5,200.0	5,188.2	5,174.5	5,174.5	11.3	7.4	-19.69	702.6	-371.0	625.1	606.9	18.25	34.252	
5,225.0	5,213.2	5,199.5	5,199.5	11.3	7.4	-19.69	702.6	-371.0	625.1	606.8	18.30	34.164	
5,250.0	5,238.2	5,224.5	5,224.5	11.3	7.4	-19.69	702.6	-371.0	625.1	606.8	18.35	34.077	
5,275.0	5,263.2	5,249.5	5,249.5	11.3	7.5	-19.69	702.6	-371.0	625.1	606.7	18.39	33.990	
5,300.0	5,288.2	5,274.5	5,274.5	11.3	7.5	-19.69	702.6	-371.0	625.1	606.7	18.44	33.903	
5,325.0	5,313.2	5,299.5	5,299.5	11.4	7.5	-19.69	702.6	-371.0	625.1	606.7	18.49	33.817	
5,350.0	5,338.2	5,324.5	5,324.5	11.4	7.6	-19.69	702.6	-371.0	625.1	606.6	18.53	33.731	
5,375.0	5,363.2	5,349.5	5,349.5	11.4	7.6	-19.69	702.6	-371.0	625.1	606.6	18.58	33.646	
5,400.0	5,388.2	5,374.5	5,374.5	11.4	7.6	-19.69	702.6	-371.0	625.1	606.5	18.63	33.561	
5,425.0	5,413.2	5,399.5	5,399.5	11.4	7.6	-19.69	702.6	-371.0	625.1	606.5	18.67	33.476	
5,450.0	5,438.2	5,424.5	5,424.5	11.4	7.7	-19.69	702.6	-371.0	625.1	606.4	18.72	33.392	
5,475.0	5,463.2	5,449.5	5,449.5	11.5	7.7	-19.69	702.6	-371.0	625.1	606.4	18.77	33.308	
5,500.0	5,488.2	5,474.5	5,474.5	11.5	7.7	-19.69	702.6	-371.0	625.1	606.3	18.82	33.225	
5,525.0	5,513.2	5,499.5	5,499.5	11.5	7.8	-19.69	702.6	-371.0	625.1	606.3	18.86	33.141	
5,550.0	5,538.2	5,523.3	5,523.3	11.5	7.8	-19.68	702.7	-370.9	625.2	606.3	18.91	33.067	
5,575.0	5,563.2	5,547.1	5,547.1	11.5	7.8	-19.65	702.8	-370.7	625.2	606.3	18.95	32.998	
5,600.0	5,588.2	5,570.9	5,570.9	11.6	7.8	-19.61	703.1	-370.3	625.4	606.4	18.99	32.935	
5,625.0	5,613.2	5,594.7	5,594.7	11.6	7.9	-19.55	703.5	-369.7	625.5	606.5	19.03	32.876	
5,650.0	5,638.2	5,618.5	5,618.4	11.6	7.9	-19.47	703.9	-368.9	625.7	606.7	19.06	32.826	
5,675.0	5,663.2	5,642.2	5,642.1	11.6	7.9	-19.37	704.5	-368.0	626.0	606.9	19.10	32.782	
5,700.0	5,688.2	5,665.9	5,665.8	11.6	7.9	-19.26	705.2	-367.0	626.3	607.2	19.13	32.741	
5,725.0	5,713.2	5,689.6	5,689.5	11.7	7.9	-19.13	706.0	-365.7	626.7	607.5	19.16	32.705	
5,750.0	5,738.2	5,713.9	5,713.7	11.7	8.0	-18.98	706.9	-364.3	627.1	607.9	19.19	32.673	
5,775.0	5,763.2	5,738.9	5,738.6	11.7	8.0	-18.82	707.9	-362.9	627.6	608.3	19.23	32.640	
5,800.0	5,788.2	5,763.8	5,763.5	11.7	8.0	-18.67	708.9	-361.4	628.0	608.7	19.26	32.608	
5,825.0	5,813.2	5,788.8	5,788.4	11.7	8.0	-18.51	709.8	-359.9	628.4	609.1	19.29	32.577	
5,850.0	5,838.2	5,813.7	5,813.2	11.8	8.0	-18.36	710.8	-358.4	628.9	609.5	19.32	32.545	
5,875.0	5,863.2	5,838.6	5,838.1	11.8	8.1	-18.20	711.7	-357.0	629.3	610.0	19.36	32.514	
5,900.0	5,888.2	5,863.6	5,863.0	11.8	8.1	-18.05	712.7	-355.5	629.8	610.4	19.39	32.482	
5,925.0	5,913.2	5,888.5	5,887.9	11.8	8.1	-17.90	713.6	-354.0	630.2	610.8	19.42	32.452	
5,950.0	5,938.2	5,913.4	5,912.8	11.8	8.1	-17.74	714.6	-352.6	630.7	611.2	19.45	32.421	
5,975.0	5,963.2	5,938.4	5,937.6	11.9	8.2	-17.59	715.6	-351.1	631.2	611.7	19.49	32.390	
6,000.0	5,988.2	5,963.3	5,962.5	11.9	8.2	-17.43	716.5	-349.6	631.6	612.1	19.52	32.360	
6,025.0	6,013.2	5,988.3	5,987.4	11.9	8.2	-17.28	717.5	-348.1	632.1	612.6	19.55	32.330	
6,050.0	6,038.2	6,013.2	6,012.3	11.9	8.2	-17.13	718.4	-346.7	632.6	613.0	19.59	32.300	
6,075.0	6,063.2	6,038.1	6,037.1	11.9	8.2	-16.98	719.4	-345.2	633.1	613.5	19.62	32.270	
6,100.0	6,088.2	6,063.1	6,062.0	12.0	8.3	-16.82	720.3	-343.7	633.6	613.9	19.65	32.240	
6,125.0	6,113.2	6,088.0	6,086.9	12.0	8.3	-16.67	721.3	-342.3	634.1	614.4	19.68	32.211	
6,150.0	6,138.2	6,112.9	6,111.8	12.0	8.3	-16.52	722.3	-340.8	634.6	614.8	19.72	32.182	
6,175.0	6,163.2	6,137.9	6,136.6	12.0	8.3	-16.37	723.2	-339.3	635.1	615.3	19.75	32.152	
6,200.0	6,188.2	6,162.8	6,161.5	12.0	8.3	-16.22	724.2	-337.8	635.6	615.8	19.79	32.123	
6,225.0	6,213.2	6,187.8	6,186.4	12.1	8.4	-16.06	725.1	-336.4	636.1	616.3	19.82	32.095	
6,250.0	6,238.2	6,212.7	6,211.3	12.1	8.4	-15.91	726.1	-334.9	636.6	616.8	19.85	32.066	
6,275.0	6,263.2	6,237.6	6,236.1	12.1	8.4	-15.76	727.0	-333.4	637.1	617.2	19.89	32.038	
6,300.0	6,288.2	6,262.6	6,261.0	12.1	8.4	-15.61	728.0	-332.0	637.7	617.7	19.92	32.009	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,287.5	6,285.9	12.1	8.5	-15.46	729.0	-330.5	638.2	618.2	19.95	31.981	
6,350.0	6,338.2	6,312.5	6,310.8	12.2	8.5	-15.31	729.9	-329.0	638.7	618.7	19.99	31.953	
6,375.0	6,363.2	6,337.4	6,335.6	12.2	8.5	-15.16	730.9	-327.5	639.3	619.2	20.02	31.926	
6,400.0	6,388.2	6,362.3	6,360.5	12.2	8.5	-15.01	731.8	-326.1	639.8	619.7	20.06	31.898	
6,425.0	6,413.2	6,387.3	6,385.4	12.2	8.5	-14.86	732.8	-324.6	640.3	620.3	20.09	31.871	
6,450.0	6,438.2	6,412.2	6,410.3	12.2	8.6	-14.71	733.7	-323.1	640.9	620.8	20.13	31.843	
6,475.0	6,463.2	6,437.1	6,435.2	12.3	8.6	-14.56	734.7	-321.7	641.5	621.3	20.16	31.816	
6,500.0	6,488.2	6,462.1	6,460.0	12.3	8.6	-14.42	735.6	-320.2	642.0	621.8	20.20	31.789	
6,525.0	6,513.2	6,487.0	6,484.9	12.3	8.6	-14.27	736.6	-318.7	642.6	622.4	20.23	31.763	
6,550.0	6,538.2	6,512.0	6,509.8	12.3	8.7	-14.12	737.6	-317.2	643.2	622.9	20.27	31.736	
6,575.0	6,563.2	6,536.9	6,534.7	12.3	8.7	-13.97	738.5	-315.8	643.7	623.4	20.30	31.710	
6,600.0	6,588.2	6,561.8	6,559.5	12.4	8.7	-13.82	739.5	-314.3	644.3	624.0	20.34	31.683	
6,625.0	6,613.2	6,586.8	6,584.4	12.4	8.7	-13.68	740.4	-312.8	644.9	624.5	20.37	31.657	
6,650.0	6,638.2	6,611.7	6,609.3	12.4	8.7	-13.53	741.4	-311.4	645.5	625.1	20.41	31.631	
6,675.0	6,663.2	6,636.6	6,634.2	12.4	8.8	-13.38	742.3	-309.9	646.1	625.6	20.44	31.605	
6,700.0	6,688.2	6,661.6	6,659.0	12.4	8.8	-13.24	743.3	-308.4	646.7	626.2	20.48	31.580	
6,725.0	6,713.2	6,686.5	6,683.9	12.5	8.8	-13.09	744.3	-306.9	647.3	626.8	20.51	31.554	
6,750.0	6,738.2	6,711.5	6,708.8	12.5	8.8	-12.94	745.2	-305.5	647.9	627.3	20.55	31.529	
6,775.0	6,763.2	6,736.4	6,733.7	12.5	8.9	-12.80	746.2	-304.0	648.5	627.9	20.58	31.504	
6,800.0	6,788.2	6,761.3	6,758.5	12.5	8.9	-12.65	747.1	-302.5	649.1	628.5	20.62	31.479	
6,825.0	6,813.2	6,786.3	6,783.4	12.5	8.9	-12.51	748.1	-301.1	649.7	629.0	20.66	31.454	
6,850.0	6,838.2	6,811.2	6,808.3	12.6	8.9	-12.36	749.0	-299.6	650.3	629.6	20.69	31.429	
6,875.0	6,863.2	6,836.1	6,833.2	12.6	9.0	-12.22	750.0	-298.1	650.9	630.2	20.73	31.405	
6,900.0	6,888.2	6,861.1	6,858.0	12.6	9.0	-12.07	751.0	-296.6	651.6	630.8	20.76	31.380	
6,925.0	6,913.2	6,886.0	6,882.9	12.6	9.0	-11.93	751.9	-295.2	652.2	631.4	20.80	31.356	
6,950.0	6,938.2	6,911.0	6,907.8	12.6	9.0	-11.79	752.9	-293.7	652.8	632.0	20.84	31.332	
6,975.0	6,963.2	6,935.9	6,932.7	12.7	9.1	-11.64	753.8	-292.2	653.5	632.6	20.87	31.308	
7,000.0	6,988.2	6,960.8	6,957.5	12.7	9.1	-11.50	754.8	-290.8	654.1	633.2	20.91	31.284	
7,025.0	7,013.2	6,985.8	6,982.4	12.7	9.1	-11.36	755.7	-289.3	654.8	633.8	20.95	31.260	
7,050.0	7,038.2	7,010.7	7,007.3	12.7	9.1	-11.21	756.7	-287.8	655.4	634.5	20.98	31.237	
7,075.0	7,063.2	7,035.7	7,032.2	12.7	9.1	-11.07	757.7	-286.3	656.1	635.1	21.02	31.213	
7,100.0	7,088.2	7,060.6	7,057.1	12.8	9.2	-10.93	758.6	-284.9	656.8	635.7	21.06	31.190	
7,125.0	7,113.2	7,085.5	7,081.9	12.8	9.2	-10.79	759.6	-283.4	657.4	636.3	21.09	31.167	
7,150.0	7,138.2	7,110.5	7,106.8	12.8	9.2	-10.65	760.5	-281.9	658.1	637.0	21.13	31.144	
7,175.0	7,163.2	7,135.4	7,131.7	12.8	9.2	-10.50	761.5	-280.5	658.8	637.6	21.17	31.121	
7,200.0	7,188.2	7,160.3	7,156.6	12.8	9.3	-10.36	762.4	-279.0	659.4	638.2	21.21	31.098	
7,225.0	7,213.2	7,185.3	7,181.4	12.9	9.3	-10.22	763.4	-277.5	660.1	638.9	21.24	31.076	
7,250.0	7,238.2	7,210.2	7,206.3	12.9	9.3	-10.08	764.4	-276.0	660.8	639.5	21.28	31.053	
7,275.0	7,263.2	7,235.2	7,231.2	12.9	9.3	-9.94	765.3	-274.6	661.5	640.2	21.32	31.031	
7,300.0	7,288.2	7,260.1	7,256.1	12.9	9.4	-9.80	766.3	-273.1	662.2	640.8	21.36	31.009	
7,325.0	7,313.2	7,285.0	7,280.9	12.9	9.4	-9.66	767.2	-271.6	662.9	641.5	21.39	30.987	
7,350.0	7,338.2	7,310.0	7,305.8	13.0	9.4	-9.52	768.2	-270.2	663.6	642.2	21.43	30.965	
7,375.0	7,363.2	7,334.9	7,330.7	13.0	9.4	-9.39	769.1	-268.7	664.3	642.8	21.47	30.943	
7,400.0	7,388.2	7,359.8	7,355.6	13.0	9.5	-9.25	770.1	-267.2	665.0	643.5	21.51	30.921	
7,425.0	7,413.2	7,384.8	7,380.4	13.0	9.5	-9.11	771.1	-265.7	665.7	644.2	21.54	30.900	
7,450.0	7,438.2	7,409.7	7,405.3	13.0	9.5	-8.97	772.0	-264.3	666.4	644.9	21.58	30.879	
7,475.0	7,463.2	7,434.7	7,430.2	13.0	9.5	-8.83	773.0	-262.8	667.2	645.5	21.62	30.857	
7,500.0	7,488.2	7,459.6	7,455.1	13.1	9.6	-8.70	773.9	-261.3	667.9	646.2	21.66	30.836	
7,525.0	7,513.2	7,484.5	7,479.9	13.1	9.6	-8.56	774.9	-259.9	668.6	646.9	21.70	30.815	
7,550.0	7,538.2	7,509.5	7,504.8	13.1	9.6	-8.42	775.8	-258.4	669.3	647.6	21.74	30.794	
7,575.0	7,563.2	7,534.4	7,529.7	13.1	9.6	-8.29	776.8	-256.9	670.1	648.3	21.77	30.774	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,559.4	7,554.6	13.1	9.7	-8.15	777.8	-255.4	670.8	649.0	21.81	30.753	
7,625.0	7,613.2	7,584.3	7,579.5	13.2	9.7	-8.01	778.7	-254.0	671.6	649.7	21.85	30.733	
7,650.0	7,638.2	7,609.2	7,604.3	13.2	9.7	-7.88	779.7	-252.5	672.3	650.4	21.89	30.712	
7,675.0	7,663.2	7,634.2	7,629.2	13.2	9.7	-7.74	780.6	-251.0	673.1	651.1	21.93	30.692	
7,700.0	7,688.2	7,659.1	7,654.1	13.2	9.8	-7.61	781.6	-249.6	673.8	651.9	21.97	30.672	
7,725.0	7,713.2	7,684.0	7,679.0	13.2	9.8	-7.47	782.5	-248.1	674.6	652.6	22.01	30.652	
7,750.0	7,738.2	7,709.0	7,703.8	13.3	9.8	-7.34	783.5	-246.6	675.3	653.3	22.05	30.632	
7,775.0	7,763.2	7,733.9	7,728.7	13.3	9.8	-7.20	784.5	-245.2	676.1	654.0	22.09	30.612	
7,800.0	7,788.2	7,758.9	7,753.6	13.3	9.9	-7.07	785.4	-243.7	676.9	654.8	22.13	30.592	
7,825.0	7,813.2	7,783.8	7,778.5	13.3	9.9	-6.94	786.4	-242.2	677.7	655.5	22.17	30.573	
7,850.0	7,838.2	7,808.7	7,803.3	13.3	9.9	-6.80	787.3	-240.7	678.4	656.2	22.20	30.554	
7,875.0	7,863.2	7,833.7	7,828.2	13.4	9.9	-6.67	788.3	-239.3	679.2	657.0	22.24	30.534	
7,900.0	7,888.2	7,858.6	7,853.1	13.4	10.0	-6.54	789.2	-237.8	680.0	657.7	22.28	30.515	
7,925.0	7,913.2	7,883.5	7,878.0	13.4	10.0	-6.41	790.2	-236.3	680.8	658.5	22.32	30.496	
7,950.0	7,938.2	7,908.5	7,902.8	13.4	10.0	-6.27	791.2	-234.9	681.6	659.2	22.36	30.477	
7,975.0	7,963.2	7,933.4	7,927.7	13.4	10.0	-6.14	792.1	-233.4	682.4	660.0	22.40	30.458	
8,000.0	7,988.2	7,958.4	7,952.6	13.5	10.1	-6.01	793.1	-231.9	683.2	660.7	22.44	30.440	
8,025.0	8,013.2	7,983.3	7,977.5	13.5	10.1	-5.88	794.0	-230.4	684.0	661.5	22.48	30.421	
8,050.0	8,038.2	8,008.2	8,002.3	13.5	10.1	-5.75	795.0	-229.0	684.8	662.3	22.52	30.402	
8,075.0	8,063.2	8,033.2	8,027.2	13.5	10.1	-5.62	795.9	-227.5	685.6	663.0	22.56	30.384	
8,100.0	8,088.2	8,058.1	8,052.1	13.5	10.2	-5.49	796.9	-226.0	686.4	663.8	22.60	30.366	
8,125.0	8,113.2	8,083.0	8,077.0	13.6	10.2	-5.36	797.9	-224.6	687.2	664.6	22.65	30.348	
8,150.0	8,138.2	8,108.0	8,101.9	13.6	10.2	-5.23	798.8	-223.1	688.0	665.4	22.69	30.330	
8,175.0	8,163.2	8,132.9	8,126.7	13.6	10.3	-5.10	799.8	-221.6	688.9	666.1	22.73	30.312	
8,200.0	8,188.2	8,157.9	8,151.6	13.6	10.3	-4.97	800.7	-220.1	689.7	666.9	22.77	30.294	
8,225.0	8,213.2	8,182.8	8,176.5	13.6	10.3	-4.84	801.7	-218.7	690.5	667.7	22.81	30.276	
8,250.0	8,238.2	8,207.7	8,201.4	13.7	10.3	-4.71	802.6	-217.2	691.4	668.5	22.85	30.259	
8,275.0	8,263.2	8,232.7	8,226.2	13.7	10.4	-4.59	803.6	-215.7	692.2	669.3	22.89	30.241	
8,300.0	8,288.2	8,257.6	8,251.1	13.7	10.4	-4.46	804.6	-214.3	693.0	670.1	22.93	30.224	
8,325.0	8,313.2	8,282.6	8,276.0	13.7	10.4	-4.33	805.5	-212.8	693.9	670.9	22.97	30.206	
8,350.0	8,338.2	8,307.5	8,300.9	13.7	10.4	-4.20	806.5	-211.3	694.7	671.7	23.01	30.189	
8,375.0	8,363.2	8,332.4	8,325.7	13.8	10.5	-4.08	807.4	-209.8	695.6	672.5	23.05	30.172	
8,400.0	8,388.2	8,357.4	8,350.6	13.8	10.5	-3.95	808.4	-208.4	696.4	673.4	23.10	30.155	
8,425.0	8,413.2	8,382.3	8,375.5	13.8	10.5	-3.83	809.3	-206.9	697.3	674.2	23.14	30.138	
8,450.0	8,438.2	8,407.2	8,400.4	13.8	10.5	-3.70	810.3	-205.4	698.2	675.0	23.18	30.122	
8,475.0	8,463.2	8,432.2	8,425.2	13.8	10.6	-3.57	811.3	-204.0	699.0	675.8	23.22	30.105	
8,500.0	8,488.2	8,457.1	8,450.1	13.9	10.6	-3.45	812.2	-202.5	699.9	676.6	23.26	30.088	
8,525.0	8,513.2	8,482.1	8,475.0	13.9	10.6	-3.32	813.2	-201.0	700.8	677.5	23.30	30.072	
8,550.0	8,538.2	8,507.0	8,499.9	13.9	10.6	-3.20	814.1	-199.5	701.6	678.3	23.34	30.056	
8,575.0	8,563.2	8,531.9	8,524.7	13.9	10.7	-3.08	815.1	-198.1	702.5	679.1	23.39	30.039	
8,600.0	8,588.2	8,556.9	8,549.6	13.9	10.7	-2.95	816.0	-196.6	703.4	680.0	23.43	30.023	
8,625.0	8,613.2	8,581.8	8,574.5	14.0	10.7	-2.83	817.0	-195.1	704.3	680.8	23.47	30.007	
8,650.0	8,638.2	8,606.7	8,599.4	14.0	10.8	-2.70	818.0	-193.7	705.2	681.7	23.51	29.991	
8,675.0	8,663.2	8,631.7	8,624.3	14.0	10.8	-2.58	818.9	-192.2	706.1	682.5	23.56	29.975	
8,700.0	8,688.2	8,656.6	8,649.1	14.0	10.8	-2.46	819.9	-190.7	707.0	683.4	23.60	29.960	
8,725.0	8,713.2	8,681.6	8,674.0	14.0	10.8	-2.34	820.8	-189.2	707.9	684.2	23.64	29.944	
8,750.0	8,738.2	8,706.5	8,698.9	14.1	10.9	-2.21	821.8	-187.8	708.8	685.1	23.68	29.929	
8,775.0	8,763.2	8,731.4	8,723.8	14.1	10.9	-2.09	822.7	-186.3	709.7	686.0	23.72	29.913	
8,800.0	8,788.2	8,756.4	8,748.6	14.1	10.9	-1.97	823.7	-184.8	710.6	686.8	23.77	29.898	
8,825.0	8,813.2	8,781.3	8,773.5	14.1	10.9	-1.85	824.7	-183.4	711.5	687.7	23.81	29.882	
8,850.0	8,838.2	8,806.3	8,798.4	14.1	11.0	-1.73	825.6	-181.9	712.4	688.6	23.85	29.867	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,831.2	8,823.3	14.2	11.0	-1.61	826.6	-180.4	713.3	689.4	23.90	29.852	
8,900.0	8,888.2	8,856.1	8,848.1	14.2	11.0	-1.49	827.5	-178.9	714.2	690.3	23.94	29.837	
8,925.0	8,913.2	8,881.1	8,873.0	14.2	11.1	-1.37	828.5	-177.5	715.2	691.2	23.98	29.822	
8,950.0	8,938.2	8,906.0	8,897.9	14.2	11.1	-1.25	829.4	-176.0	716.1	692.1	24.02	29.808	
8,975.0	8,963.2	8,930.9	8,922.8	14.2	11.1	-1.13	830.4	-174.5	717.0	693.0	24.07	29.793	
9,000.0	8,988.2	8,955.9	8,947.6	14.3	11.1	-1.01	831.3	-173.1	718.0	693.9	24.11	29.778	
9,025.0	9,013.2	8,980.8	8,972.5	14.3	11.2	-0.89	832.3	-171.6	718.9	694.7	24.15	29.764	
9,050.0	9,038.2	9,005.8	8,997.4	14.3	11.2	-0.77	833.3	-170.1	719.8	695.6	24.20	29.749	
9,075.0	9,063.2	9,030.7	9,022.3	14.3	11.2	-0.66	834.2	-168.6	720.8	696.5	24.24	29.735	
9,100.0	9,088.2	9,055.6	9,047.1	14.3	11.2	-0.54	835.2	-167.2	721.7	697.4	24.28	29.721	
9,125.0	9,113.2	9,080.6	9,072.0	14.4	11.3	-0.42	836.1	-165.7	722.7	698.3	24.33	29.707	
9,150.0	9,138.2	9,105.5	9,096.9	14.4	11.3	-0.30	837.1	-164.2	723.6	699.3	24.37	29.693	
9,175.0	9,163.2	9,130.4	9,121.8	14.4	11.3	-0.19	838.0	-162.8	724.6	700.2	24.41	29.679	
9,200.0	9,188.2	9,155.4	9,146.7	14.4	11.4	-0.07	839.0	-161.3	725.5	701.1	24.46	29.665	
9,225.0	9,213.2	9,180.3	9,171.5	14.4	11.4	0.05	840.0	-159.8	726.5	702.0	24.50	29.651	
9,250.0	9,238.2	9,205.3	9,196.4	14.5	11.4	0.16	840.9	-158.3	727.5	702.9	24.55	29.637	
9,275.0	9,263.2	9,230.2	9,221.3	14.5	11.4	0.28	841.9	-156.9	728.4	703.8	24.59	29.624	
9,300.0	9,288.2	9,255.1	9,246.2	14.5	11.5	0.39	842.8	-155.4	729.4	704.8	24.63	29.610	
9,325.0	9,313.2	9,280.1	9,271.0	14.5	11.5	0.51	843.8	-153.9	730.4	705.7	24.68	29.597	
9,350.0	9,338.2	9,305.0	9,295.9	14.5	11.5	0.62	844.7	-152.5	731.3	706.6	24.72	29.583	
9,375.0	9,363.2	9,329.9	9,320.8	14.6	11.5	0.74	845.7	-151.0	732.3	707.6	24.77	29.570	
9,400.0	9,388.2	9,354.9	9,345.7	14.6	11.6	0.85	846.7	-149.5	733.3	708.5	24.81	29.557	
9,425.0	9,413.2	9,379.8	9,370.5	14.6	11.6	0.96	847.6	-148.0	734.3	709.4	24.85	29.544	
9,450.0	9,438.2	9,404.8	9,395.4	14.6	11.6	1.08	848.6	-146.6	735.3	710.4	24.90	29.531	
9,475.0	9,463.2	9,429.7	9,420.3	14.6	11.7	1.19	849.5	-145.1	736.3	711.3	24.94	29.518	
9,500.0	9,488.2	9,454.6	9,445.2	14.7	11.7	1.30	850.5	-143.6	737.3	712.3	24.99	29.505	
9,525.0	9,513.2	9,479.6	9,470.0	14.7	11.7	1.42	851.4	-142.2	738.3	713.2	25.03	29.492	
9,550.0	9,538.2	9,504.5	9,494.9	14.7	11.7	1.53	852.4	-140.7	739.3	714.2	25.08	29.480	
9,575.0	9,563.2	9,529.5	9,519.8	14.7	11.8	1.64	853.4	-139.2	740.3	715.1	25.12	29.467	
9,600.0	9,588.2	9,554.4	9,544.7	14.7	11.8	1.75	854.3	-137.7	741.3	716.1	25.17	29.454	
9,625.0	9,613.2	9,579.3	9,569.5	14.8	11.8	1.86	855.3	-136.3	742.3	717.1	25.21	29.442	
9,650.0	9,638.2	9,604.3	9,594.4	14.8	11.9	1.98	856.2	-134.8	743.3	718.0	25.26	29.430	
9,675.0	9,663.2	9,629.2	9,619.3	14.8	11.9	2.09	857.2	-133.3	744.3	719.0	25.30	29.417	
9,700.0	9,688.2	9,654.1	9,644.2	14.8	11.9	2.20	858.1	-131.9	745.3	720.0	25.35	29.405	
9,725.0	9,713.2	9,679.1	9,669.1	14.8	11.9	2.31	859.1	-130.4	746.3	720.9	25.39	29.393	
9,750.0	9,738.2	9,704.0	9,693.9	14.9	12.0	2.42	860.1	-128.9	747.3	721.9	25.44	29.381	
9,775.0	9,763.2	9,729.0	9,718.8	14.9	12.0	2.53	861.0	-127.4	748.4	722.9	25.48	29.369	
9,800.0	9,788.2	9,753.9	9,743.7	14.9	12.0	2.64	862.0	-126.0	749.4	723.9	25.53	29.357	
9,825.0	9,813.2	9,778.8	9,768.6	14.9	12.0	2.74	862.9	-124.5	750.4	724.9	25.57	29.345	
9,850.0	9,838.2	9,803.8	9,793.4	14.9	12.1	2.85	863.9	-123.0	751.5	725.8	25.62	29.334	
9,875.0	9,863.2	9,828.7	9,818.3	15.0	12.1	2.96	864.8	-121.6	752.5	726.8	25.66	29.322	
9,900.0	9,888.2	9,853.6	9,843.2	15.0	12.1	3.07	865.8	-120.1	753.5	727.8	25.71	29.310	
9,925.0	9,913.2	9,878.6	9,868.1	15.0	12.2	3.18	866.8	-118.6	754.6	728.8	25.75	29.299	
9,950.0	9,938.2	9,903.5	9,892.9	15.0	12.2	3.28	867.7	-117.1	755.6	729.8	25.80	29.287	
9,975.0	9,963.2	9,928.5	9,917.8	15.0	12.2	3.39	868.7	-115.7	756.7	730.8	25.85	29.276	
10,000.0	9,988.2	9,953.4	9,942.7	15.1	12.2	3.50	869.6	-114.2	757.7	731.8	25.89	29.265	
10,000.4	9,988.6	9,953.8	9,943.1	15.1	12.2	3.50	869.6	-114.2	757.7	731.8	25.89	29.264	
10,025.0	10,013.2	9,978.4	9,967.6	15.1	12.3	3.67	870.6	-112.7	758.1	732.2	25.93	29.241	
10,050.0	10,038.1	10,003.3	9,992.5	15.1	12.3	3.80	871.5	-111.3	757.2	731.3	25.96	29.169	
10,075.0	10,062.9	11,310.9	10,778.7	15.1	13.4	139.88	115.1	-60.7	736.3	695.2	41.11	17.910	
10,100.0	10,087.5	11,306.2	10,778.7	15.1	13.4	146.49	119.9	-60.7	712.0	670.8	41.16	17.298	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,111.8	11,300.2	10,778.8	15.1	13.4	151.03	125.8	-60.8	687.9	646.7	41.20	16.697	
10,150.0	10,135.8	11,293.0	10,778.8	15.1	13.4	154.25	133.1	-60.8	664.3	623.0	41.24	16.107	
10,175.0	10,159.3	11,284.5	10,778.9	15.1	13.4	156.62	141.6	-60.8	641.0	599.8	41.28	15.531	
10,200.0	10,182.4	11,274.8	10,778.9	15.1	13.4	158.39	151.3	-60.9	618.3	577.0	41.30	14.969	
10,225.0	10,205.0	11,263.9	10,779.0	15.1	13.3	159.75	162.2	-60.9	596.1	554.8	41.33	14.424	
10,250.0	10,227.0	11,251.8	10,779.1	15.1	13.3	160.80	174.3	-61.0	574.5	533.2	41.34	13.896	
10,275.0	10,248.3	11,238.6	10,779.2	15.2	13.3	161.62	187.5	-61.1	553.6	512.2	41.36	13.386	
10,300.0	10,268.9	11,224.3	10,779.3	15.2	13.3	162.25	201.7	-61.1	533.4	492.1	41.36	12.897	
10,325.0	10,288.8	11,209.0	10,779.4	15.2	13.3	162.74	217.1	-61.2	514.0	472.7	41.36	12.429	
10,350.0	10,307.8	11,192.6	10,779.5	15.2	13.3	163.11	233.4	-61.3	495.5	454.1	41.35	11.982	
10,375.0	10,325.9	11,175.3	10,779.6	15.2	13.2	163.38	250.8	-61.4	477.8	436.5	41.34	11.558	
10,400.0	10,343.1	11,157.1	10,779.8	15.2	13.2	163.58	269.0	-61.4	461.1	419.8	41.33	11.158	
10,425.0	10,359.4	11,138.0	10,779.9	15.2	13.2	163.71	288.1	-61.5	445.4	404.1	41.31	10.782	
10,450.0	10,374.6	11,102.6	10,779.8	15.2	13.2	163.36	323.5	-61.7	430.6	389.3	41.25	10.437	
10,475.0	10,388.8	11,032.3	10,773.4	15.3	13.1	161.86	393.5	-62.5	415.0	374.0	40.92	10.141	
10,500.0	10,401.9	10,972.1	10,761.2	15.3	13.0	160.38	452.4	-63.5	398.2	357.9	40.37	9.865	
10,525.0	10,413.8	10,919.8	10,745.7	15.3	13.0	158.93	502.2	-64.7	380.7	341.0	39.71	9.589	
10,550.0	10,424.6	10,873.8	10,728.3	15.3	12.9	157.53	544.8	-65.9	362.7	323.7	38.98	9.305	
10,575.0	10,434.2	10,832.7	10,709.9	15.3	12.9	156.16	581.5	-67.2	344.4	306.1	38.24	9.006	
10,600.0	10,442.5	10,795.4	10,691.0	15.4	12.8	154.80	613.6	-68.5	325.8	288.3	37.49	8.691	
10,625.0	10,449.7	10,761.3	10,671.9	15.4	12.8	153.45	641.9	-69.8	307.2	270.4	36.74	8.360	
10,650.0	10,455.5	10,729.7	10,652.7	15.4	12.8	152.06	667.0	-71.0	288.5	252.5	36.00	8.013	
10,675.0	10,460.1	10,700.1	10,633.6	15.4	12.8	150.61	689.5	-72.3	269.9	234.6	35.27	7.651	
10,700.0	10,463.4	10,672.3	10,614.5	15.5	12.7	149.07	709.7	-73.5	251.4	216.9	34.56	7.276	
10,725.0	10,465.4	10,645.8	10,595.5	15.5	12.7	147.39	728.1	-74.7	233.1	199.3	33.84	6.889	
10,745.4	10,466.0	10,625.1	10,580.0	15.5	12.7	145.89	741.8	-75.7	218.4	185.2	33.26	6.567	
10,750.0	10,466.0	10,620.6	10,576.6	15.5	12.7	145.21	744.8	-75.9	215.1	182.0	33.13	6.492	
10,775.0	10,466.3	10,597.3	10,558.5	15.6	12.7	141.16	759.4	-77.1	196.9	164.5	32.46	6.067	
10,800.0	10,466.6	10,576.3	10,541.7	15.6	12.6	136.51	771.9	-78.2	178.5	146.8	31.79	5.616	
10,825.0	10,466.8	10,557.3	10,526.1	15.6	12.6	131.19	782.7	-79.1	160.2	129.0	31.12	5.146	
10,850.0	10,467.1	10,540.1	10,511.7	15.7	12.6	125.19	792.1	-80.0	142.0	111.6	30.41	4.670	
10,875.0	10,467.4	10,524.3	10,498.3	15.7	12.6	118.57	800.3	-80.9	124.6	94.9	29.62	4.205	
10,900.0	10,467.6	10,510.0	10,485.9	15.8	12.6	111.44	807.4	-81.6	108.3	79.6	28.69	3.775	
10,925.0	10,467.9	10,496.9	10,474.3	15.9	12.6	103.99	813.6	-82.4	94.2	66.6	27.61	3.413	
10,950.0	10,468.1	10,484.8	10,463.6	15.9	12.6	96.49	819.1	-83.0	83.5	57.1	26.47	3.156	
10,975.0	10,468.4	10,473.7	10,453.7	16.0	12.6	89.18	824.0	-83.6	78.0	52.3	25.68	3.037	
10,984.4	10,468.5	10,469.8	10,450.1	16.0	12.6	86.51	825.7	-83.9	77.5	51.9	25.59	3.029	CC, ES, SF
11,000.0	10,468.7	10,463.5	10,444.4	16.0	12.6	82.29	828.3	-84.2	78.8	53.1	25.71	3.064	
11,025.0	10,468.9	10,454.0	10,435.8	16.1	12.6	75.98	832.1	-84.7	86.0	59.5	26.43	3.252	
11,050.0	10,469.2	10,445.2	10,427.7	16.2	12.6	70.30	835.6	-85.2	98.2	70.9	27.26	3.602	
11,075.0	10,469.4	10,437.1	10,420.2	16.3	12.6	65.28	838.6	-85.7	113.9	86.1	27.88	4.086	
11,100.0	10,469.7	10,429.5	10,413.1	16.3	12.6	60.86	841.4	-86.1	132.0	103.7	28.29	4.667	
11,125.0	10,470.0	10,422.4	10,406.5	16.4	12.6	56.99	843.9	-86.5	151.7	123.1	28.54	5.315	
11,150.0	10,470.2	10,415.8	10,400.2	16.5	12.6	53.61	846.2	-86.9	172.4	143.7	28.68	6.010	
11,175.0	10,470.5	10,409.5	10,394.4	16.6	12.6	50.65	848.2	-87.3	193.8	165.1	28.75	6.741	
11,200.0	10,470.8	10,400.0	10,385.4	16.7	12.6	46.49	851.3	-87.8	215.9	186.9	28.99	7.446	
11,225.0	10,471.0	10,400.0	10,385.4	16.8	12.6	46.49	851.3	-87.8	238.2	209.5	28.71	8.299	
11,250.0	10,471.3	10,400.0	10,385.4	16.9	12.6	46.49	851.3	-87.8	261.1	232.6	28.48	9.166	
11,275.0	10,471.5	10,388.2	10,374.1	17.0	12.5	41.92	854.8	-88.5	283.9	255.1	28.77	9.870	
11,300.0	10,471.8	10,383.6	10,369.7	17.1	12.5	40.31	856.1	-88.8	307.1	278.4	28.74	10.686	
11,325.0	10,472.1	10,379.2	10,365.5	17.2	12.5	38.86	857.3	-89.0	330.5	301.7	28.71	11.509	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,350.0	10,472.3	10,375.1	10,361.5	17.3	12.5	37.56	858.5	-89.3	354.0	325.3	28.68	12.341	
11,375.0	10,472.6	10,371.1	10,357.8	17.4	12.5	36.38	859.5	-89.5	377.6	348.9	28.65	13.178	
11,400.0	10,472.8	10,367.4	10,354.2	17.5	12.5	35.31	860.5	-89.7	401.3	372.7	28.62	14.021	
11,425.0	10,473.1	10,363.9	10,350.7	17.6	12.5	34.34	861.4	-89.9	425.1	396.6	28.59	14.868	
11,450.0	10,473.4	10,350.0	10,337.3	17.8	12.5	30.88	864.6	-90.8	449.3	420.4	28.83	15.583	
11,475.0	10,473.6	10,350.0	10,337.3	17.9	12.5	30.88	864.6	-90.8	473.1	444.4	28.71	16.478	
11,500.0	10,473.9	10,350.0	10,337.3	18.0	12.5	30.88	864.6	-90.8	497.1	468.5	28.61	17.376	
11,525.0	10,474.1	10,350.0	10,337.3	18.1	12.5	30.88	864.6	-90.8	521.2	492.7	28.52	18.274	
11,550.0	10,474.4	10,350.0	10,337.3	18.3	12.5	30.88	864.6	-90.8	545.3	516.9	28.44	19.174	
11,575.0	10,474.7	10,350.0	10,337.3	18.4	12.5	30.88	864.6	-90.8	569.6	541.2	28.37	20.074	
11,600.0	10,474.9	10,350.0	10,337.3	18.5	12.5	30.88	864.6	-90.8	593.9	565.5	28.31	20.975	
11,625.0	10,475.2	10,350.0	10,337.3	18.6	12.5	30.88	864.6	-90.8	618.2	589.9	28.26	21.876	
11,650.0	10,475.5	10,350.0	10,337.3	18.8	12.5	30.88	864.6	-90.8	642.6	614.4	28.21	22.777	
11,675.0	10,475.7	10,336.1	10,323.8	18.9	12.5	27.93	867.6	-91.6	666.7	638.4	28.39	23.487	
11,700.0	10,476.0	10,334.0	10,321.6	19.0	12.5	27.51	868.0	-91.7	691.1	662.7	28.37	24.357	
11,725.0	10,476.2	10,331.9	10,319.6	19.2	12.5	27.11	868.5	-91.8	715.5	687.2	28.36	25.227	
11,750.0	10,476.5	10,329.8	10,317.6	19.3	12.5	26.74	868.8	-91.9	740.0	711.6	28.35	26.098	
11,775.0	10,476.8	10,327.9	10,315.7	19.5	12.5	26.38	869.2	-92.1	764.4	736.1	28.34	26.970	
11,800.0	10,477.0	10,326.0	10,313.9	19.6	12.5	26.05	869.6	-92.2	788.9	760.6	28.34	27.842	
11,825.0	10,477.3	10,324.2	10,312.1	19.8	12.5	25.73	869.9	-92.3	813.4	785.1	28.33	28.713	
11,850.0	10,477.5	10,322.5	10,310.4	19.9	12.5	25.43	870.2	-92.4	838.0	809.6	28.32	29.585	
11,875.0	10,477.8	10,320.8	10,308.7	20.0	12.5	25.15	870.5	-92.5	862.5	834.2	28.32	30.457	
11,900.0	10,478.1	10,319.2	10,307.1	20.2	12.5	24.88	870.8	-92.6	887.1	858.8	28.32	31.329	
11,925.0	10,478.3	10,317.6	10,305.6	20.3	12.5	24.63	871.1	-92.7	911.7	883.3	28.31	32.200	
11,950.0	10,478.6	10,316.1	10,304.1	20.5	12.5	24.38	871.3	-92.8	936.3	907.9	28.31	33.071	
11,975.0	10,478.9	10,300.0	10,288.2	20.6	12.5	22.02	873.8	-93.7	961.2	932.7	28.47	33.761	
12,000.0	10,479.1	10,300.0	10,288.2	20.8	12.5	22.02	873.8	-93.7	985.7	957.3	28.45	34.649	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-29.72	702.4	-401.0	808.9				
25.0	25.0	10.9	10.9	0.5	3.0	-29.72	702.4	-401.0	808.8				
50.0	50.0	35.9	35.9	0.5	3.0	-29.72	702.4	-401.0	808.8	804.1	4.73	171.168	
75.0	75.0	60.9	60.9	0.5	3.0	-29.72	702.4	-401.0	808.8	804.1	4.73	171.164	
100.0	100.0	85.9	85.9	0.5	3.0	-29.72	702.4	-401.0	808.8	804.1	4.73	171.158	
125.0	125.0	110.9	110.9	0.6	3.0	-29.72	702.4	-401.0	808.8	804.0	4.76	169.942	
150.0	150.0	135.9	135.9	0.8	3.0	-29.72	702.4	-401.0	808.8	804.0	4.80	168.477	
175.0	175.0	160.9	160.9	0.9	3.0	-29.72	702.4	-401.0	808.8	804.0	4.85	166.790	
200.0	200.0	185.9	185.9	1.0	3.0	-29.72	702.4	-401.0	808.8	803.9	4.90	164.904	
225.0	225.0	210.9	210.9	1.1	3.0	-29.72	702.4	-401.0	808.8	803.9	4.95	163.532	
250.0	250.0	235.9	235.9	1.2	3.0	-29.72	702.4	-401.0	808.8	803.8	4.99	162.084	
275.0	275.0	260.9	260.9	1.3	3.0	-29.72	702.4	-401.0	808.8	803.8	5.04	160.568	
300.0	300.0	285.9	285.9	1.4	3.0	-29.72	702.4	-401.0	808.8	803.7	5.09	158.990	
325.0	325.0	310.9	310.9	1.4	3.0	-29.72	702.4	-401.0	808.8	803.7	5.13	157.642	
350.0	350.0	335.9	335.9	1.5	3.0	-29.72	702.4	-401.0	808.8	803.6	5.18	156.260	
375.0	375.0	360.9	360.9	1.6	3.0	-29.72	702.4	-401.0	808.8	803.6	5.22	154.847	
400.0	400.0	385.9	385.9	1.6	3.0	-29.72	702.4	-401.0	808.8	803.5	5.27	153.407	
425.0	425.0	410.9	410.9	1.7	3.0	-29.72	702.4	-401.0	808.8	803.5	5.32	152.112	
450.0	450.0	435.9	435.9	1.8	3.0	-29.72	702.4	-401.0	808.8	803.4	5.36	150.801	
475.0	475.0	460.9	460.9	1.8	3.0	-29.72	702.4	-401.0	808.8	803.4	5.41	149.475	
500.0	500.0	485.9	485.9	1.9	3.1	-29.72	702.4	-401.0	808.8	803.3	5.46	148.138	
525.0	525.0	510.9	510.9	1.9	3.1	-29.72	702.4	-401.0	808.8	803.3	5.51	146.904	
550.0	550.0	535.9	535.9	2.0	3.1	-29.72	702.4	-401.0	808.8	803.3	5.55	145.662	
575.0	575.0	560.9	560.9	2.1	3.1	-29.72	702.4	-401.0	808.8	803.2	5.60	144.415	
600.0	600.0	585.9	585.9	2.1	3.1	-29.72	702.4	-401.0	808.8	803.2	5.65	143.165	
625.0	625.0	610.9	610.9	2.2	3.1	-29.72	702.4	-401.0	808.8	803.1	5.70	141.992	
650.0	650.0	635.9	635.9	2.2	3.1	-29.72	702.4	-401.0	808.8	803.1	5.74	140.818	
675.0	675.0	660.9	660.9	2.3	3.1	-29.72	702.4	-401.0	808.8	803.0	5.79	139.643	
700.0	700.0	685.9	685.9	2.3	3.1	-29.72	702.4	-401.0	808.8	803.0	5.84	138.469	
725.0	725.0	710.9	710.9	2.4	3.1	-29.72	702.4	-401.0	808.8	802.9	5.89	137.357	
750.0	750.0	735.9	735.9	2.4	3.1	-29.72	702.4	-401.0	808.8	802.9	5.94	136.246	
775.0	775.0	760.9	760.9	2.5	3.1	-29.72	702.4	-401.0	808.8	802.8	5.99	135.139	
800.0	800.0	785.9	785.9	2.5	3.1	-29.72	702.4	-401.0	808.8	802.8	6.03	134.034	
825.0	825.0	810.9	810.9	2.6	3.2	-29.72	702.4	-401.0	808.8	802.7	6.08	132.980	
850.0	850.0	835.9	835.9	2.6	3.2	-29.72	702.4	-401.0	808.8	802.7	6.13	131.929	
875.0	875.0	860.9	860.9	2.6	3.2	-29.72	702.4	-401.0	808.8	802.6	6.18	130.883	
900.0	900.0	885.9	885.9	2.7	3.2	-29.72	702.4	-401.0	808.8	802.6	6.23	129.842	
925.0	925.0	910.9	910.9	2.7	3.2	-29.72	702.4	-401.0	808.8	802.5	6.28	128.843	
950.0	950.0	935.9	935.9	2.8	3.2	-29.72	702.4	-401.0	808.8	802.5	6.33	127.848	
975.0	975.0	960.9	960.9	2.8	3.2	-29.72	702.4	-401.0	808.8	802.4	6.38	126.860	
1,000.0	1,000.0	985.9	985.9	2.9	3.2	-29.72	702.4	-401.0	808.8	802.4	6.43	125.877	
1,025.0	1,025.0	1,010.9	1,010.9	2.9	3.2	-29.72	702.4	-401.0	808.8	802.3	6.47	124.930	
1,050.0	1,050.0	1,035.9	1,035.9	3.0	3.3	-29.72	702.4	-401.0	808.8	802.3	6.52	123.988	
1,075.0	1,075.0	1,060.9	1,060.9	3.0	3.3	-29.72	702.4	-401.0	808.8	802.2	6.57	123.053	
1,100.0	1,100.0	1,085.9	1,085.9	3.0	3.3	-29.72	702.4	-401.0	808.8	802.2	6.62	122.124	
1,125.0	1,125.0	1,110.9	1,110.9	3.1	3.3	-29.72	702.4	-401.0	808.8	802.1	6.67	121.226	
1,150.0	1,150.0	1,135.9	1,135.9	3.1	3.3	-29.72	702.4	-401.0	808.8	802.1	6.72	120.333	
1,175.0	1,175.0	1,160.9	1,160.9	3.2	3.3	-29.72	702.4	-401.0	808.8	802.0	6.77	119.448	
1,200.0	1,200.0	1,185.9	1,185.9	3.2	3.3	-29.72	702.4	-401.0	808.8	802.0	6.82	118.569	
1,225.0	1,225.0	1,210.9	1,210.9	3.2	3.4	-29.72	702.4	-401.0	808.8	801.9	6.87	117.716	
1,250.0	1,250.0	1,235.9	1,235.9	3.3	3.4	-29.72	702.4	-401.0	808.8	801.9	6.92	116.870	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,260.9	1,260.9	3.3	3.4	-29.72	702.4	-401.0	808.8	801.8	6.97	116.030	
1,300.0	1,300.0	1,285.9	1,285.9	3.4	3.4	-29.72	702.4	-401.0	808.8	801.8	7.02	115.197	
1,325.0	1,325.0	1,310.9	1,310.9	3.4	3.4	-29.72	702.4	-401.0	808.8	801.7	7.07	114.388	
1,350.0	1,350.0	1,335.9	1,335.9	3.4	3.4	-29.72	702.4	-401.0	808.8	801.7	7.12	113.584	
1,375.0	1,375.0	1,360.9	1,360.9	3.5	3.5	-29.72	702.4	-401.0	808.8	801.6	7.17	112.788	
1,400.0	1,400.0	1,385.9	1,385.9	3.5	3.5	-29.72	702.4	-401.0	808.8	801.6	7.22	111.998	
1,425.0	1,425.0	1,410.9	1,410.9	3.6	3.5	-29.72	702.4	-401.0	808.8	801.5	7.27	111.228	
1,450.0	1,450.0	1,435.9	1,435.9	3.6	3.5	-29.72	702.4	-401.0	808.8	801.5	7.32	110.465	
1,475.0	1,475.0	1,460.9	1,460.9	3.6	3.5	-29.72	702.4	-401.0	808.8	801.4	7.37	109.709	
1,500.0	1,500.0	1,485.9	1,485.9	3.7	3.5	-29.72	702.4	-401.0	808.8	801.4	7.42	108.959	
1,525.0	1,525.0	1,510.9	1,510.9	3.7	3.6	-29.72	702.4	-401.0	808.8	801.3	7.47	108.227	
1,550.0	1,550.0	1,535.9	1,535.9	3.8	3.6	-29.72	702.4	-401.0	808.8	801.3	7.52	107.501	
1,575.0	1,575.0	1,560.9	1,560.9	3.8	3.6	-29.72	702.4	-401.0	808.8	801.2	7.57	106.782	
1,600.0	1,600.0	1,585.9	1,585.9	3.8	3.6	-29.72	702.4	-401.0	808.8	801.2	7.63	106.069	
1,625.0	1,625.0	1,610.9	1,610.9	3.9	3.6	-29.72	702.4	-401.0	808.8	801.1	7.68	105.372	
1,650.0	1,650.0	1,635.9	1,635.9	3.9	3.6	-29.72	702.4	-401.0	808.8	801.1	7.73	104.682	
1,675.0	1,675.0	1,660.9	1,660.9	3.9	3.7	-29.72	702.4	-401.0	808.8	801.0	7.78	103.998	
1,700.0	1,700.0	1,685.9	1,685.9	4.0	3.7	-29.72	702.4	-401.0	808.8	801.0	7.83	103.319	
1,725.0	1,725.0	1,710.9	1,710.9	4.0	3.7	-29.72	702.4	-401.0	808.8	800.9	7.88	102.656	
1,750.0	1,750.0	1,735.9	1,735.9	4.1	3.7	-29.72	702.4	-401.0	808.8	800.9	7.93	101.998	
1,775.0	1,775.0	1,760.9	1,760.9	4.1	3.7	-29.72	702.4	-401.0	808.8	800.8	7.98	101.346	
1,800.0	1,800.0	1,785.9	1,785.9	4.1	3.8	-29.72	702.4	-401.0	808.8	800.8	8.03	100.700	
1,825.0	1,825.0	1,810.9	1,810.9	4.2	3.8	-29.72	702.4	-401.0	808.8	800.7	8.08	100.067	
1,850.0	1,850.0	1,835.9	1,835.9	4.2	3.8	-29.72	702.4	-401.0	808.8	800.7	8.13	99.440	
1,875.0	1,875.0	1,860.9	1,860.9	4.2	3.8	-29.72	702.4	-401.0	808.8	800.6	8.18	98.819	
1,900.0	1,900.0	1,885.9	1,885.9	4.3	3.8	-29.72	702.4	-401.0	808.8	800.6	8.24	98.203	
1,925.0	1,925.0	1,910.9	1,910.9	4.3	3.9	-29.72	702.4	-401.0	808.8	800.5	8.29	97.599	
1,950.0	1,950.0	1,935.9	1,935.9	4.3	3.9	-29.72	702.4	-401.0	808.8	800.5	8.34	97.001	
1,975.0	1,975.0	1,960.9	1,960.9	4.4	3.9	-29.72	702.4	-401.0	808.8	800.4	8.39	96.408	
2,000.0	2,000.0	1,985.9	1,985.9	4.4	3.9	-29.72	702.4	-401.0	808.8	800.4	8.44	95.821	
2,025.0	2,025.0	2,010.9	2,010.9	4.4	3.9	24.88	702.4	-401.0	808.7	800.2	8.50	95.126	
2,050.0	2,050.0	2,035.9	2,035.9	4.5	4.0	24.89	702.4	-401.0	808.4	799.8	8.57	94.346	
2,075.0	2,075.0	2,060.9	2,060.9	4.5	4.0	24.91	702.4	-401.0	807.9	799.3	8.64	93.486	
2,100.0	2,100.0	2,085.9	2,085.9	4.6	4.0	24.94	702.4	-401.0	807.2	798.5	8.72	92.553	
2,125.0	2,125.0	2,110.9	2,110.9	4.6	4.0	24.98	702.4	-401.0	806.3	797.5	8.81	91.539	
2,150.0	2,149.9	2,135.8	2,135.8	4.7	4.1	25.02	702.4	-401.0	805.2	796.3	8.90	90.507	
2,175.0	2,174.9	2,160.8	2,160.8	4.7	4.1	25.08	702.4	-401.0	804.0	795.0	8.99	89.460	
2,200.0	2,199.8	2,185.7	2,185.7	4.8	4.1	25.14	702.4	-401.0	802.5	793.4	9.08	88.398	
2,225.0	2,224.8	2,210.7	2,210.7	4.8	4.1	25.21	702.4	-401.0	800.8	791.6	9.17	87.330	
2,250.0	2,249.7	2,235.6	2,235.6	4.9	4.1	25.29	702.4	-401.0	798.9	789.7	9.26	86.251	
2,275.0	2,274.6	2,260.5	2,260.5	5.0	4.2	25.38	702.4	-401.0	796.9	787.5	9.36	85.163	
2,300.0	2,299.5	2,285.4	2,285.4	5.0	4.2	25.47	702.4	-401.0	794.6	785.1	9.45	84.068	
2,325.0	2,324.3	2,310.2	2,310.2	5.1	4.2	25.58	702.4	-401.0	792.1	782.6	9.55	82.954	
2,350.0	2,349.1	2,335.0	2,335.0	5.2	4.2	25.69	702.4	-401.0	789.5	779.8	9.65	81.834	
2,375.0	2,373.9	2,359.8	2,359.8	5.2	4.3	25.82	702.4	-401.0	786.6	776.9	9.75	80.711	
2,400.1	2,398.8	2,384.7	2,384.7	5.3	4.3	25.95	702.4	-401.0	783.6	773.7	9.85	79.580	
2,425.0	2,423.5	2,409.4	2,409.4	5.4	4.3	26.06	702.4	-401.0	780.5	770.5	9.93	78.606	
2,450.0	2,448.2	2,434.1	2,434.1	5.4	4.3	26.18	702.4	-401.0	777.3	767.3	10.01	77.642	
2,475.0	2,473.0	2,458.9	2,458.9	5.5	4.4	26.29	702.4	-401.0	774.2	764.1	10.09	76.693	
2,500.0	2,497.7	2,483.6	2,483.6	5.6	4.4	26.40	702.4	-401.0	771.1	760.9	10.18	75.758	
2,525.0	2,522.5	2,508.4	2,508.4	5.6	4.4	26.52	702.4	-401.0	768.0	757.7	10.27	74.808	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,533.1	2,533.1	5.7	4.4	26.64	702.4	-401.0	764.8	754.5	10.35	73.873	
2,575.0	2,572.0	2,557.9	2,557.9	5.7	4.5	26.75	702.4	-401.0	761.7	751.3	10.44	72.952	
2,600.0	2,596.8	2,582.7	2,582.7	5.8	4.5	26.87	702.4	-401.0	758.6	748.1	10.53	72.045	
2,625.0	2,621.5	2,607.4	2,607.4	5.9	4.5	26.99	702.4	-401.0	755.5	744.9	10.62	71.127	
2,650.0	2,646.3	2,632.2	2,632.2	6.0	4.5	27.11	702.4	-401.0	752.4	741.7	10.71	70.223	
2,675.0	2,671.0	2,656.9	2,656.9	6.0	4.5	27.23	702.4	-401.0	749.3	738.5	10.81	69.334	
2,700.0	2,695.8	2,681.7	2,681.7	6.1	4.6	27.35	702.4	-401.0	746.2	735.3	10.90	68.459	
2,725.0	2,720.5	2,706.4	2,706.4	6.2	4.6	27.48	702.4	-401.0	743.1	732.1	11.00	67.579	
2,750.0	2,745.3	2,731.2	2,731.2	6.2	4.6	27.60	702.4	-401.0	740.0	728.9	11.09	66.712	
2,775.0	2,770.1	2,756.0	2,756.0	6.3	4.6	27.73	702.4	-401.0	736.9	725.7	11.19	65.860	
2,800.0	2,794.8	2,780.7	2,780.7	6.4	4.7	27.85	702.4	-401.0	733.8	722.6	11.29	65.021	
2,825.0	2,819.6	2,805.5	2,805.5	6.5	4.7	27.98	702.4	-401.0	730.8	719.4	11.39	64.181	
2,850.0	2,844.3	2,830.2	2,830.2	6.5	4.7	28.11	702.4	-401.0	727.7	716.2	11.49	63.355	
2,875.0	2,869.1	2,855.0	2,855.0	6.6	4.7	28.24	702.4	-401.0	724.6	713.0	11.59	62.543	
2,900.0	2,893.8	2,879.7	2,879.7	6.7	4.8	28.37	702.4	-401.0	721.5	709.8	11.69	61.744	
2,925.0	2,918.6	2,904.5	2,904.5	6.8	4.8	28.50	702.4	-401.0	718.5	706.7	11.79	60.946	
2,950.0	2,943.3	2,929.2	2,929.2	6.9	4.8	28.63	702.4	-401.0	715.4	703.5	11.89	60.161	
2,975.0	2,968.1	2,954.0	2,954.0	7.0	4.9	28.77	702.4	-401.0	712.3	700.4	11.99	59.390	
3,000.0	2,992.9	2,978.8	2,978.8	7.0	4.9	28.90	702.4	-401.0	709.3	697.2	12.10	58.632	
3,025.0	3,017.6	3,003.5	3,003.5	7.1	4.9	29.04	702.4	-401.0	706.2	694.0	12.20	57.877	
3,050.0	3,042.4	3,028.3	3,028.3	7.2	4.9	29.17	702.4	-401.0	703.2	690.9	12.31	57.135	
3,075.0	3,067.1	3,053.0	3,053.0	7.3	5.0	29.31	702.4	-401.0	700.1	687.7	12.41	56.405	
3,100.0	3,091.9	3,077.8	3,077.8	7.4	5.0	29.45	702.4	-401.0	697.1	684.6	12.52	55.688	
3,125.0	3,116.6	3,102.5	3,102.5	7.5	5.0	29.59	702.4	-401.0	694.1	681.4	12.63	54.975	
3,150.0	3,141.4	3,127.3	3,127.3	7.6	5.0	29.74	702.4	-401.0	691.0	678.3	12.73	54.274	
3,175.0	3,166.2	3,152.1	3,152.1	7.6	5.1	29.88	702.4	-401.0	688.0	675.2	12.84	53.586	
3,200.0	3,190.9	3,176.8	3,176.8	7.7	5.1	30.02	702.4	-401.0	685.0	672.0	12.95	52.909	
3,212.6	3,203.4	3,189.3	3,189.3	7.8	5.1	30.10	702.4	-401.0	683.5	670.5	12.99	52.617	
3,225.0	3,215.7	3,201.6	3,201.6	7.8	5.1	30.16	702.4	-401.0	682.0	668.9	13.05	52.277	
3,250.0	3,240.4	3,226.3	3,226.3	7.9	5.1	30.29	702.4	-401.0	679.1	665.9	13.16	51.603	
3,275.0	3,265.2	3,251.1	3,251.1	8.0	5.2	30.41	702.4	-401.0	676.2	663.0	13.27	50.947	
3,300.0	3,290.0	3,275.9	3,275.9	8.1	5.2	30.54	702.4	-401.0	673.5	660.1	13.39	50.310	
3,325.0	3,314.8	3,300.7	3,300.7	8.2	5.2	30.65	702.4	-401.0	670.9	657.4	13.49	49.717	
3,350.0	3,339.7	3,325.6	3,325.6	8.3	5.2	30.77	702.4	-401.0	668.4	654.8	13.60	49.140	
3,375.0	3,364.5	3,350.4	3,350.4	8.4	5.3	30.88	702.4	-401.0	665.9	652.2	13.71	48.579	
3,400.0	3,389.4	3,375.3	3,375.3	8.4	5.3	30.99	702.4	-401.0	663.6	649.8	13.81	48.034	
3,425.0	3,414.2	3,400.1	3,400.1	8.5	5.3	31.09	702.4	-401.0	661.3	647.4	13.92	47.509	
3,450.0	3,439.1	3,425.0	3,425.0	8.6	5.4	31.20	702.4	-401.0	659.2	645.2	14.03	46.998	
3,475.0	3,464.0	3,449.9	3,449.9	8.7	5.4	31.29	702.4	-401.0	657.1	643.0	14.13	46.502	
3,500.0	3,488.9	3,474.8	3,474.8	8.8	5.4	31.39	702.4	-401.0	655.2	640.9	14.24	46.019	
3,525.0	3,513.8	3,499.7	3,499.7	8.9	5.4	31.48	702.4	-401.0	653.3	639.0	14.34	45.557	
3,550.0	3,538.7	3,524.6	3,524.6	9.0	5.5	31.56	702.4	-401.0	651.5	637.1	14.44	45.108	
3,575.0	3,563.6	3,549.5	3,549.5	9.1	5.5	31.64	702.4	-401.0	649.9	635.3	14.55	44.672	
3,600.0	3,588.5	3,574.4	3,574.4	9.1	5.5	31.72	702.4	-401.0	648.3	633.6	14.65	44.248	
3,625.0	3,613.5	3,599.4	3,599.4	9.2	5.5	31.79	702.4	-401.0	646.8	632.1	14.75	43.845	
3,650.0	3,638.4	3,624.3	3,624.3	9.3	5.6	31.86	702.4	-401.0	645.4	630.6	14.85	43.454	
3,675.0	3,663.4	3,649.3	3,649.3	9.4	5.6	31.93	702.4	-401.0	644.1	629.2	14.95	43.074	
3,700.0	3,688.3	3,674.2	3,674.2	9.5	5.6	31.99	702.4	-401.0	642.9	627.9	15.06	42.705	
3,725.0	3,713.3	3,699.2	3,699.2	9.5	5.7	32.04	702.4	-401.0	641.8	626.7	15.15	42.358	
3,750.0	3,738.3	3,724.2	3,724.2	9.6	5.7	32.10	702.4	-401.0	640.8	625.5	15.25	42.022	
3,775.0	3,763.3	3,749.2	3,749.2	9.7	5.7	32.14	702.4	-401.0	639.9	624.5	15.35	41.696	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,774.1	3,774.1	9.8	5.7	32.19	702.4	-401.0	639.0	623.6	15.44	41.379	
3,825.0	3,813.2	3,799.1	3,799.1	9.9	5.8	32.22	702.4	-401.0	638.3	622.8	15.53	41.088	
3,850.0	3,838.2	3,824.1	3,824.1	9.9	5.8	32.26	702.4	-401.0	637.6	622.0	15.63	40.806	
3,875.0	3,863.2	3,849.1	3,849.1	10.0	5.8	32.29	702.4	-401.0	637.1	621.4	15.72	40.533	
3,900.0	3,888.2	3,874.1	3,874.1	10.1	5.9	32.31	702.4	-401.0	636.6	620.8	15.81	40.268	
3,925.0	3,913.2	3,899.1	3,899.1	10.1	5.9	32.33	702.4	-401.0	636.3	620.4	15.89	40.044	
3,950.0	3,938.2	3,924.1	3,924.1	10.2	5.9	32.34	702.4	-401.0	636.0	620.0	15.97	39.828	
3,975.0	3,963.2	3,949.1	3,949.1	10.2	5.9	32.35	702.4	-401.0	635.8	619.7	16.05	39.619	
4,000.0	3,988.2	3,974.1	3,974.1	10.3	6.0	32.36	702.4	-401.0	635.7	619.6	16.13	39.417	
4,012.8	4,001.0	3,986.9	3,986.9	10.3	6.0	-22.24	702.4	-401.0	635.7	619.5	16.15	39.369	
4,025.0	4,013.2	3,999.1	3,999.1	10.3	6.0	-22.24	702.4	-401.0	635.7	619.5	16.17	39.310	
4,050.0	4,038.2	4,024.1	4,024.1	10.3	6.0	-22.24	702.4	-401.0	635.7	619.5	16.22	39.191	
4,075.0	4,063.2	4,049.1	4,049.1	10.4	6.1	-22.24	702.4	-401.0	635.7	619.4	16.27	39.073	
4,100.0	4,088.2	4,074.1	4,074.1	10.4	6.1	-22.24	702.4	-401.0	635.7	619.4	16.32	38.955	
4,125.0	4,113.2	4,099.1	4,099.1	10.4	6.1	-22.24	702.4	-401.0	635.7	619.3	16.36	38.849	
4,150.0	4,138.2	4,124.1	4,124.1	10.4	6.1	-22.24	702.4	-401.0	635.7	619.3	16.41	38.744	
4,175.0	4,163.2	4,149.1	4,149.1	10.4	6.2	-22.24	702.4	-401.0	635.7	619.2	16.45	38.639	
4,200.0	4,188.2	4,174.1	4,174.1	10.5	6.2	-22.24	702.4	-401.0	635.7	619.2	16.50	38.534	
4,225.0	4,213.2	4,199.1	4,199.1	10.5	6.2	-22.24	702.4	-401.0	635.7	619.1	16.54	38.430	
4,250.0	4,238.2	4,224.1	4,224.1	10.5	6.3	-22.24	702.4	-401.0	635.7	619.1	16.59	38.327	
4,275.0	4,263.2	4,249.1	4,249.1	10.5	6.3	-22.24	702.4	-401.0	635.7	619.1	16.63	38.224	
4,300.0	4,288.2	4,274.1	4,274.1	10.5	6.3	-22.24	702.4	-401.0	635.7	619.0	16.68	38.121	
4,325.0	4,313.2	4,299.1	4,299.1	10.6	6.3	-22.24	702.4	-401.0	635.7	619.0	16.72	38.019	
4,350.0	4,338.2	4,324.1	4,324.1	10.6	6.4	-22.24	702.4	-401.0	635.7	618.9	16.77	37.917	
4,375.0	4,363.2	4,349.1	4,349.1	10.6	6.4	-22.24	702.4	-401.0	635.7	618.9	16.81	37.816	
4,400.0	4,388.2	4,374.1	4,374.1	10.6	6.4	-22.24	702.4	-401.0	635.7	618.8	16.86	37.715	
4,425.0	4,413.2	4,399.1	4,399.1	10.6	6.5	-22.24	702.4	-401.0	635.7	618.8	16.90	37.615	
4,450.0	4,438.2	4,424.1	4,424.1	10.7	6.5	-22.24	702.4	-401.0	635.7	618.7	16.95	37.515	
4,475.0	4,463.2	4,449.1	4,449.1	10.7	6.5	-22.24	702.4	-401.0	635.7	618.7	16.99	37.415	
4,500.0	4,488.2	4,474.1	4,474.1	10.7	6.5	-22.24	702.4	-401.0	635.7	618.7	17.04	37.316	
4,525.0	4,513.2	4,499.1	4,499.1	10.7	6.6	-22.24	702.4	-401.0	635.7	618.6	17.08	37.218	
4,550.0	4,538.2	4,524.1	4,524.1	10.7	6.6	-22.24	702.4	-401.0	635.7	618.6	17.13	37.119	
4,575.0	4,563.2	4,549.1	4,549.1	10.8	6.6	-22.24	702.4	-401.0	635.7	618.5	17.17	37.022	
4,600.0	4,588.2	4,574.1	4,574.1	10.8	6.7	-22.24	702.4	-401.0	635.7	618.5	17.22	36.924	
4,625.0	4,613.2	4,599.1	4,599.1	10.8	6.7	-22.24	702.4	-401.0	635.7	618.4	17.26	36.827	
4,650.0	4,638.2	4,624.1	4,624.1	10.8	6.7	-22.24	702.4	-401.0	635.7	618.4	17.31	36.731	
4,675.0	4,663.2	4,649.1	4,649.1	10.8	6.7	-22.24	702.4	-401.0	635.7	618.3	17.35	36.635	
4,700.0	4,688.2	4,674.1	4,674.1	10.9	6.8	-22.24	702.4	-401.0	635.7	618.3	17.40	36.539	
4,725.0	4,713.2	4,699.1	4,699.1	10.9	6.8	-22.24	702.4	-401.0	635.7	618.2	17.44	36.444	
4,750.0	4,738.2	4,724.1	4,724.1	10.9	6.8	-22.24	702.4	-401.0	635.7	618.2	17.49	36.349	
4,775.0	4,763.2	4,749.1	4,749.1	10.9	6.9	-22.24	702.4	-401.0	635.7	618.2	17.53	36.255	
4,800.0	4,788.2	4,774.1	4,774.1	10.9	6.9	-22.24	702.4	-401.0	635.7	618.1	17.58	36.161	
4,825.0	4,813.2	4,799.1	4,799.1	11.0	6.9	-22.24	702.4	-401.0	635.7	618.1	17.63	36.067	
4,850.0	4,838.2	4,824.1	4,824.1	11.0	7.0	-22.24	702.4	-401.0	635.7	618.0	17.67	35.974	
4,875.0	4,863.2	4,849.1	4,849.1	11.0	7.0	-22.24	702.4	-401.0	635.7	618.0	17.72	35.881	
4,900.0	4,888.2	4,874.1	4,874.1	11.0	7.0	-22.24	702.4	-401.0	635.7	617.9	17.76	35.789	
4,925.0	4,913.2	4,899.1	4,899.1	11.0	7.0	-22.24	702.4	-401.0	635.7	617.9	17.81	35.697	
4,950.0	4,938.2	4,924.1	4,924.1	11.1	7.1	-22.24	702.4	-401.0	635.7	617.8	17.85	35.605	
4,975.0	4,963.2	4,949.1	4,949.1	11.1	7.1	-22.24	702.4	-401.0	635.7	617.8	17.90	35.514	
5,000.0	4,988.2	4,974.1	4,974.1	11.1	7.1	-22.24	702.4	-401.0	635.7	617.7	17.95	35.423	
5,025.0	5,013.2	4,999.1	4,999.1	11.1	7.2	-22.24	702.4	-401.0	635.7	617.7	17.99	35.333	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	5,024.1	5,024.1	11.1	7.2	-22.24	702.4	-401.0	635.7	617.7	18.04	35.243	
5,075.0	5,063.2	5,049.1	5,049.1	11.2	7.2	-22.24	702.4	-401.0	635.7	617.6	18.08	35.154	
5,100.0	5,088.2	5,074.1	5,074.1	11.2	7.3	-22.24	702.4	-401.0	635.7	617.6	18.13	35.064	
5,125.0	5,113.2	5,099.1	5,099.1	11.2	7.3	-22.24	702.4	-401.0	635.7	617.5	18.18	34.976	
5,150.0	5,138.2	5,124.1	5,124.1	11.2	7.3	-22.24	702.4	-401.0	635.7	617.5	18.22	34.887	
5,175.0	5,163.2	5,149.1	5,149.1	11.2	7.3	-22.24	702.4	-401.0	635.7	617.4	18.27	34.799	
5,200.0	5,188.2	5,174.1	5,174.1	11.3	7.4	-22.24	702.4	-401.0	635.7	617.4	18.31	34.711	
5,225.0	5,213.2	5,199.1	5,199.1	11.3	7.4	-22.24	702.4	-401.0	635.7	617.3	18.36	34.624	
5,250.0	5,238.2	5,224.1	5,224.1	11.3	7.4	-22.24	702.4	-401.0	635.7	617.3	18.41	34.537	
5,275.0	5,263.2	5,249.1	5,249.1	11.3	7.5	-22.24	702.4	-401.0	635.7	617.2	18.45	34.451	
5,300.0	5,288.2	5,274.1	5,274.1	11.3	7.5	-22.24	702.4	-401.0	635.7	617.2	18.50	34.365	
5,325.0	5,313.2	5,299.1	5,299.1	11.4	7.5	-22.24	702.4	-401.0	635.7	617.1	18.54	34.279	
5,350.0	5,338.2	5,324.1	5,324.1	11.4	7.6	-22.24	702.4	-401.0	635.7	617.1	18.59	34.194	
5,375.0	5,363.2	5,349.1	5,349.1	11.4	7.6	-22.24	702.4	-401.0	635.7	617.1	18.64	34.109	
5,400.0	5,388.2	5,374.1	5,374.1	11.4	7.6	-22.24	702.4	-401.0	635.7	617.0	18.68	34.024	
5,425.0	5,413.2	5,399.1	5,399.1	11.4	7.6	-22.24	702.4	-401.0	635.7	617.0	18.73	33.940	
5,450.0	5,438.2	5,424.1	5,424.1	11.4	7.7	-22.24	702.4	-401.0	635.7	616.9	18.78	33.856	
5,475.0	5,463.2	5,449.1	5,449.1	11.5	7.7	-22.24	702.4	-401.0	635.7	616.9	18.82	33.772	
5,500.0	5,488.2	5,474.1	5,474.1	11.5	7.7	-22.24	702.4	-401.0	635.7	616.8	18.87	33.689	
5,525.0	5,513.2	5,499.1	5,499.1	11.5	7.8	-22.24	702.4	-401.0	635.7	616.8	18.92	33.606 CC, ES	
5,550.0	5,538.2	5,521.2	5,521.2	11.5	7.8	-22.25	702.4	-401.1	635.7	616.8	18.96	33.533	
5,575.0	5,563.2	5,543.3	5,543.3	11.5	7.8	-22.26	702.5	-401.3	635.9	616.9	19.00	33.465	
5,600.0	5,588.2	5,565.3	5,565.3	11.6	7.8	-22.29	702.6	-401.7	636.2	617.2	19.05	33.401	
5,625.0	5,613.2	5,587.3	5,587.3	11.6	7.8	-22.34	702.7	-402.3	636.6	617.5	19.09	33.342	
5,650.0	5,638.2	5,609.3	5,609.3	11.6	7.9	-22.39	702.9	-403.0	637.1	618.0	19.14	33.291	
5,675.0	5,663.2	5,631.3	5,631.3	11.6	7.9	-22.46	703.2	-403.9	637.8	618.6	19.18	33.252	
5,700.0	5,688.2	5,653.3	5,653.3	11.6	7.9	-22.53	703.5	-405.0	638.5	619.3	19.22	33.218	
5,725.0	5,713.2	5,675.3	5,675.2	11.7	7.9	-22.62	703.8	-406.2	639.4	620.1	19.27	33.189	
5,750.0	5,738.2	5,700.0	5,699.8	11.7	7.9	-22.74	704.2	-407.7	640.4	621.1	19.31	33.165	
5,775.0	5,763.2	5,719.2	5,719.0	11.7	7.9	-22.84	704.6	-409.1	641.5	622.2	19.35	33.149	
5,800.0	5,788.2	5,741.1	5,740.8	11.7	7.9	-22.96	705.0	-410.8	642.7	623.3	19.40	33.139	
5,825.0	5,813.2	5,764.7	5,764.4	11.7	8.0	-23.10	705.6	-412.8	644.1	624.6	19.44	33.134	
5,850.0	5,838.2	5,789.6	5,789.2	11.8	8.0	-23.26	706.1	-414.9	645.4	625.9	19.48	33.129	
5,875.0	5,863.2	5,814.6	5,814.0	11.8	8.0	-23.41	706.7	-417.0	646.8	627.3	19.53	33.125	
5,900.0	5,888.2	5,839.5	5,838.8	11.8	8.0	-23.56	707.2	-419.1	648.1	628.6	19.57	33.121	
5,925.0	5,913.2	5,864.4	5,863.6	11.8	8.0	-23.71	707.8	-421.2	649.5	629.9	19.61	33.117	
5,950.0	5,938.2	5,889.3	5,888.4	11.8	8.0	-23.86	708.4	-423.3	650.9	631.2	19.66	33.113	
5,975.0	5,963.2	5,914.2	5,913.2	11.9	8.0	-24.01	708.9	-425.4	652.2	632.5	19.70	33.109	
6,000.0	5,988.2	5,939.1	5,938.0	11.9	8.1	-24.15	709.5	-427.4	653.6	633.9	19.74	33.106	
6,025.0	6,013.2	5,964.0	5,962.8	11.9	8.1	-24.30	710.0	-429.5	655.0	635.2	19.79	33.103	
6,050.0	6,038.2	5,988.9	5,987.7	11.9	8.1	-24.45	710.6	-431.6	656.4	636.6	19.83	33.100	
6,075.0	6,063.2	6,013.8	6,012.5	11.9	8.1	-24.59	711.2	-433.7	657.8	637.9	19.87	33.098	
6,100.0	6,088.2	6,038.7	6,037.3	12.0	8.1	-24.74	711.7	-435.8	659.2	639.3	19.92	33.095	
6,125.0	6,113.2	6,063.6	6,062.1	12.0	8.1	-24.89	712.3	-437.9	660.6	640.6	19.96	33.093	
6,150.0	6,138.2	6,088.5	6,086.9	12.0	8.2	-25.03	712.9	-440.0	662.0	642.0	20.00	33.091	
6,175.0	6,163.2	6,113.4	6,111.7	12.0	8.2	-25.17	713.4	-442.1	663.4	643.3	20.05	33.089	
6,200.0	6,188.2	6,138.3	6,136.5	12.0	8.2	-25.32	714.0	-444.2	664.8	644.7	20.09	33.088	
6,225.0	6,213.2	6,163.2	6,161.3	12.1	8.2	-25.46	714.5	-446.3	666.2	646.1	20.14	33.087	
6,250.0	6,238.2	6,188.1	6,186.1	12.1	8.2	-25.60	715.1	-448.4	667.6	647.4	20.18	33.085	
6,275.0	6,263.2	6,213.0	6,211.0	12.1	8.2	-25.74	715.7	-450.5	669.0	648.8	20.22	33.085	
6,300.0	6,288.2	6,237.9	6,235.8	12.1	8.3	-25.88	716.2	-452.6	670.5	650.2	20.27	33.084	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,262.8	6,260.6	12.1	8.3	-26.02	716.8	-454.7	671.9	651.6	20.31	33.083	
6,350.0	6,338.2	6,287.7	6,285.4	12.2	8.3	-26.16	717.4	-456.8	673.3	653.0	20.35	33.083	
6,375.0	6,363.2	6,312.6	6,310.2	12.2	8.3	-26.30	717.9	-458.9	674.8	654.4	20.40	33.083	
6,400.0	6,388.2	6,337.6	6,335.0	12.2	8.3	-26.44	718.5	-461.0	676.2	655.8	20.44	33.083	
6,425.0	6,413.2	6,362.5	6,359.8	12.2	8.3	-26.58	719.0	-463.1	677.7	657.2	20.48	33.083	
6,450.0	6,438.2	6,387.4	6,384.6	12.2	8.4	-26.72	719.6	-465.2	679.1	658.6	20.53	33.084	
6,475.0	6,463.2	6,412.3	6,409.4	12.3	8.4	-26.85	720.2	-467.3	680.6	660.0	20.57	33.084	
6,500.0	6,488.2	6,437.2	6,434.2	12.3	8.4	-26.99	720.7	-469.4	682.0	661.4	20.61	33.085	
6,525.0	6,513.2	6,462.1	6,459.1	12.3	8.4	-27.12	721.3	-471.5	683.5	662.8	20.66	33.086	
6,550.0	6,538.2	6,487.0	6,483.9	12.3	8.4	-27.26	721.8	-473.6	685.0	664.3	20.70	33.087	
6,575.0	6,563.2	6,511.9	6,508.7	12.3	8.4	-27.39	722.4	-475.7	686.4	665.7	20.75	33.089	
6,600.0	6,588.2	6,536.8	6,533.5	12.4	8.5	-27.53	723.0	-477.8	687.9	667.1	20.79	33.090	
6,625.0	6,613.2	6,561.7	6,558.3	12.4	8.5	-27.66	723.5	-479.9	689.4	668.6	20.83	33.092	
6,650.0	6,638.2	6,586.6	6,583.1	12.4	8.5	-27.79	724.1	-482.0	690.9	670.0	20.88	33.094	
6,675.0	6,663.2	6,611.5	6,607.9	12.4	8.5	-27.92	724.7	-484.1	692.4	671.4	20.92	33.096	
6,700.0	6,688.2	6,636.4	6,632.7	12.4	8.5	-28.06	725.2	-486.2	693.8	672.9	20.96	33.098	
6,725.0	6,713.2	6,661.3	6,657.5	12.5	8.6	-28.19	725.8	-488.3	695.3	674.3	21.01	33.100	
6,750.0	6,738.2	6,686.2	6,682.3	12.5	8.6	-28.32	726.3	-490.3	696.8	675.8	21.05	33.102	
6,775.0	6,763.2	6,711.1	6,707.2	12.5	8.6	-28.45	726.9	-492.4	698.3	677.2	21.09	33.105	
6,800.0	6,788.2	6,736.0	6,732.0	12.5	8.6	-28.58	727.5	-494.5	699.8	678.7	21.14	33.108	
6,825.0	6,813.2	6,760.9	6,756.8	12.5	8.6	-28.70	728.0	-496.6	701.3	680.2	21.18	33.111	
6,850.0	6,838.2	6,785.8	6,781.6	12.6	8.6	-28.83	728.6	-498.7	702.8	681.6	21.23	33.114	
6,875.0	6,863.2	6,810.7	6,806.4	12.6	8.7	-28.96	729.1	-500.8	704.4	683.1	21.27	33.117	
6,900.0	6,888.2	6,835.7	6,831.2	12.6	8.7	-29.09	729.7	-502.9	705.9	684.6	21.31	33.120	
6,925.0	6,913.2	6,860.6	6,856.0	12.6	8.7	-29.21	730.3	-505.0	707.4	686.0	21.36	33.123	
6,950.0	6,938.2	6,885.5	6,880.8	12.6	8.7	-29.34	730.8	-507.1	708.9	687.5	21.40	33.127	
6,975.0	6,963.2	6,910.4	6,905.6	12.7	8.7	-29.47	731.4	-509.2	710.5	689.0	21.44	33.131	
7,000.0	6,988.2	6,935.3	6,930.4	12.7	8.8	-29.59	732.0	-511.3	712.0	690.5	21.49	33.134	
7,025.0	7,013.2	6,960.2	6,955.3	12.7	8.8	-29.71	732.5	-513.4	713.5	692.0	21.53	33.138	
7,050.0	7,038.2	6,985.1	6,980.1	12.7	8.8	-29.84	733.1	-515.5	715.1	693.5	21.58	33.142	
7,075.0	7,063.2	7,010.0	7,004.9	12.7	8.8	-29.96	733.6	-517.6	716.6	695.0	21.62	33.147	
7,100.0	7,088.2	7,034.9	7,029.7	12.8	8.8	-30.08	734.2	-519.7	718.1	696.5	21.66	33.151	
7,125.0	7,113.2	7,059.8	7,054.5	12.8	8.9	-30.21	734.8	-521.8	719.7	698.0	21.71	33.155	
7,150.0	7,138.2	7,084.7	7,079.3	12.8	8.9	-30.33	735.3	-523.9	721.2	699.5	21.75	33.160	
7,175.0	7,163.2	7,109.6	7,104.1	12.8	8.9	-30.45	735.9	-526.0	722.8	701.0	21.79	33.164	
7,200.0	7,188.2	7,134.5	7,128.9	12.8	8.9	-30.57	736.5	-528.1	724.3	702.5	21.84	33.169	
7,225.0	7,213.2	7,159.4	7,153.7	12.9	8.9	-30.69	737.0	-530.2	725.9	704.0	21.88	33.174	
7,250.0	7,238.2	7,184.3	7,178.5	12.9	9.0	-30.81	737.6	-532.3	727.5	705.5	21.93	33.179	
7,275.0	7,263.2	7,209.2	7,203.4	12.9	9.0	-30.93	738.1	-534.4	729.0	707.1	21.97	33.184	
7,300.0	7,288.2	7,234.1	7,228.2	12.9	9.0	-31.05	738.7	-536.5	730.6	708.6	22.01	33.189	
7,325.0	7,313.2	7,259.0	7,253.0	12.9	9.0	-31.17	739.3	-538.6	732.2	710.1	22.06	33.195	
7,350.0	7,338.2	7,283.9	7,277.8	13.0	9.0	-31.28	739.8	-540.7	733.8	711.7	22.10	33.200	
7,375.0	7,363.2	7,308.8	7,302.6	13.0	9.1	-31.40	740.4	-542.8	735.3	713.2	22.15	33.205	
7,400.0	7,388.2	7,333.7	7,327.4	13.0	9.1	-31.52	740.9	-544.9	736.9	714.7	22.19	33.211	
7,425.0	7,413.2	7,358.7	7,352.2	13.0	9.1	-31.63	741.5	-547.0	738.5	716.3	22.23	33.217	
7,450.0	7,438.2	7,383.6	7,377.0	13.0	9.1	-31.75	742.1	-549.1	740.1	717.8	22.28	33.222	
7,475.0	7,463.2	7,408.5	7,401.8	13.0	9.1	-31.86	742.6	-551.1	741.7	719.4	22.32	33.228	
7,500.0	7,488.2	7,433.4	7,426.6	13.1	9.2	-31.98	743.2	-553.2	743.3	720.9	22.36	33.234	
7,525.0	7,513.2	7,458.3	7,451.5	13.1	9.2	-32.09	743.8	-555.3	744.9	722.5	22.41	33.240	
7,550.0	7,538.2	7,483.2	7,476.3	13.1	9.2	-32.21	744.3	-557.4	746.5	724.0	22.45	33.246	
7,575.0	7,563.2	7,508.1	7,501.1	13.1	9.2	-32.32	744.9	-559.5	748.1	725.6	22.50	33.253	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,533.0	7,525.9	13.1	9.2	-32.43	745.4	-561.6	749.7	727.1	22.54	33.259	
7,625.0	7,613.2	7,557.9	7,550.7	13.2	9.3	-32.55	746.0	-563.7	751.3	728.7	22.58	33.265	
7,650.0	7,638.2	7,582.8	7,575.5	13.2	9.3	-32.66	746.6	-565.8	752.9	730.3	22.63	33.272	
7,675.0	7,663.2	7,607.7	7,600.3	13.2	9.3	-32.77	747.1	-567.9	754.5	731.8	22.67	33.278	
7,700.0	7,688.2	7,632.6	7,625.1	13.2	9.3	-32.88	747.7	-570.0	756.1	733.4	22.72	33.285	
7,725.0	7,713.2	7,657.5	7,649.9	13.2	9.4	-32.99	748.3	-572.1	757.8	735.0	22.76	33.291	
7,750.0	7,738.2	7,682.4	7,674.7	13.3	9.4	-33.10	748.8	-574.2	759.4	736.6	22.81	33.298	
7,775.0	7,763.2	7,707.3	7,699.6	13.3	9.4	-33.21	749.4	-576.3	761.0	738.2	22.85	33.305	
7,800.0	7,788.2	7,732.2	7,724.4	13.3	9.4	-33.32	749.9	-578.4	762.6	739.7	22.89	33.312	
7,825.0	7,813.2	7,757.1	7,749.2	13.3	9.4	-33.43	750.5	-580.5	764.3	741.3	22.94	33.319	
7,850.0	7,838.2	7,782.0	7,774.0	13.3	9.5	-33.53	751.1	-582.6	765.9	742.9	22.98	33.326	
7,875.0	7,863.2	7,806.9	7,798.8	13.4	9.5	-33.64	751.6	-584.7	767.5	744.5	23.03	33.333	
7,900.0	7,888.2	7,831.8	7,823.6	13.4	9.5	-33.75	752.2	-586.8	769.2	746.1	23.07	33.340	
7,925.0	7,913.2	7,856.8	7,848.4	13.4	9.5	-33.85	752.7	-588.9	770.8	747.7	23.11	33.347	
7,950.0	7,938.2	7,881.7	7,873.2	13.4	9.6	-33.96	753.3	-591.0	772.5	749.3	23.16	33.355	
7,975.0	7,963.2	7,906.6	7,898.0	13.4	9.6	-34.07	753.9	-593.1	774.1	750.9	23.20	33.362	
8,000.0	7,988.2	7,931.5	7,922.8	13.5	9.6	-34.17	754.4	-595.2	775.8	752.5	23.25	33.369	
8,025.0	8,013.2	7,956.4	7,947.7	13.5	9.6	-34.28	755.0	-597.3	777.4	754.1	23.29	33.377	
8,050.0	8,038.2	7,981.3	7,972.5	13.5	9.6	-34.38	755.6	-599.4	779.1	755.7	23.34	33.384	
8,075.0	8,063.2	8,006.2	7,997.3	13.5	9.7	-34.49	756.1	-601.5	780.7	757.3	23.38	33.392	
8,100.0	8,088.2	8,031.1	8,022.1	13.5	9.7	-34.59	756.7	-603.6	782.4	759.0	23.43	33.400	
8,125.0	8,113.2	8,056.0	8,046.9	13.6	9.7	-34.69	757.2	-605.7	784.1	760.6	23.47	33.407	
8,150.0	8,138.2	8,080.9	8,071.7	13.6	9.7	-34.79	757.8	-607.8	785.7	762.2	23.51	33.415	
8,175.0	8,163.2	8,105.8	8,096.5	13.6	9.8	-34.90	758.4	-609.9	787.4	763.8	23.56	33.423	
8,200.0	8,188.2	8,130.7	8,121.3	13.6	9.8	-35.00	758.9	-612.0	789.1	765.5	23.60	33.431	
8,225.0	8,213.2	8,155.6	8,146.1	13.6	9.8	-35.10	759.5	-614.0	790.7	767.1	23.65	33.439	
8,250.0	8,238.2	8,180.5	8,170.9	13.7	9.8	-35.20	760.0	-616.1	792.4	768.7	23.69	33.447	
8,275.0	8,263.2	8,205.4	8,195.8	13.7	9.9	-35.30	760.6	-618.2	794.1	770.3	23.74	33.455	
8,300.0	8,288.2	8,230.3	8,220.6	13.7	9.9	-35.40	761.2	-620.3	795.8	772.0	23.78	33.463	
8,325.0	8,313.2	8,255.2	8,245.4	13.7	9.9	-35.50	761.7	-622.4	797.4	773.6	23.83	33.471	
8,350.0	8,338.2	8,280.1	8,270.2	13.7	9.9	-35.60	762.3	-624.5	799.1	775.3	23.87	33.479	
8,375.0	8,363.2	8,305.0	8,295.0	13.8	9.9	-35.70	762.9	-626.6	800.8	776.9	23.91	33.487	
8,400.0	8,388.2	8,329.9	8,319.8	13.8	10.0	-35.80	763.4	-628.7	802.5	778.5	23.96	33.495	
8,425.0	8,413.2	8,354.8	8,344.6	13.8	10.0	-35.90	764.0	-630.8	804.2	780.2	24.00	33.503	
8,450.0	8,438.2	8,379.8	8,369.4	13.8	10.0	-35.99	764.5	-632.9	805.9	781.8	24.05	33.512	
8,475.0	8,463.2	8,404.7	8,394.2	13.8	10.0	-36.09	765.1	-635.0	807.6	783.5	24.09	33.520	
8,500.0	8,488.2	8,429.6	8,419.0	13.9	10.1	-36.19	765.7	-637.1	809.3	785.2	24.14	33.528	
8,525.0	8,513.2	8,454.5	8,443.9	13.9	10.1	-36.28	766.2	-639.2	811.0	786.8	24.18	33.537	
8,550.0	8,538.2	8,479.4	8,468.7	13.9	10.1	-36.38	766.8	-641.3	812.7	788.5	24.23	33.545	
8,575.0	8,563.2	8,504.3	8,493.5	13.9	10.1	-36.47	767.4	-643.4	814.4	790.1	24.27	33.554	
8,600.0	8,588.2	8,529.2	8,518.3	13.9	10.2	-36.57	767.9	-645.5	816.1	791.8	24.32	33.562	
8,625.0	8,613.2	8,554.1	8,543.1	14.0	10.2	-36.66	768.5	-647.6	817.8	793.5	24.36	33.571	
8,650.0	8,638.2	8,579.0	8,567.9	14.0	10.2	-36.76	769.0	-649.7	819.5	795.1	24.41	33.579	
8,675.0	8,663.2	8,603.9	8,592.7	14.0	10.2	-36.85	769.6	-651.8	821.2	796.8	24.45	33.588	
8,700.0	8,688.2	8,628.8	8,617.5	14.0	10.3	-36.95	770.2	-653.9	823.0	798.5	24.50	33.597	
8,725.0	8,713.2	8,653.7	8,642.3	14.0	10.3	-37.04	770.7	-656.0	824.7	800.1	24.54	33.605	
8,750.0	8,738.2	8,678.6	8,667.2	14.1	10.3	-37.13	771.3	-658.1	826.4	801.8	24.59	33.614	
8,775.0	8,763.2	8,703.5	8,692.0	14.1	10.3	-37.22	771.8	-660.2	828.1	803.5	24.63	33.623	
8,800.0	8,788.2	8,728.4	8,716.8	14.1	10.4	-37.32	772.4	-662.3	829.9	805.2	24.67	33.632	
8,825.0	8,813.2	8,753.3	8,741.6	14.1	10.4	-37.41	773.0	-664.4	831.6	806.9	24.72	33.640	
8,850.0	8,838.2	8,778.2	8,766.4	14.1	10.4	-37.50	773.5	-666.5	833.3	808.5	24.76	33.649	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,803.1	8,791.2	14.2	10.4	-37.59	774.1	-668.6	835.0	810.2	24.81	33.658	
8,900.0	8,888.2	8,828.0	8,816.0	14.2	10.4	-37.68	774.7	-670.7	836.8	811.9	24.85	33.667	
8,925.0	8,913.2	8,852.9	8,840.8	14.2	10.5	-37.77	775.2	-672.8	838.5	813.6	24.90	33.676	
8,950.0	8,938.2	8,877.9	8,865.6	14.2	10.5	-37.86	775.8	-674.9	840.3	815.3	24.94	33.685	
8,975.0	8,963.2	8,902.8	8,890.4	14.2	10.5	-37.95	776.3	-676.9	842.0	817.0	24.99	33.694	
9,000.0	8,988.2	8,927.7	8,915.3	14.3	10.5	-38.04	776.9	-679.0	843.7	818.7	25.03	33.702	
9,025.0	9,013.2	8,952.6	8,940.1	14.3	10.6	-38.13	777.5	-681.1	845.5	820.4	25.08	33.711	
9,050.0	9,038.2	8,977.5	8,964.9	14.3	10.6	-38.22	778.0	-683.2	847.2	822.1	25.13	33.720	
9,075.0	9,063.2	9,002.4	8,989.7	14.3	10.6	-38.30	778.6	-685.3	849.0	823.8	25.17	33.729	
9,100.0	9,088.2	9,027.3	9,014.5	14.3	10.6	-38.39	779.1	-687.4	850.7	825.5	25.22	33.738	
9,125.0	9,113.2	9,052.2	9,039.3	14.4	10.7	-38.48	779.7	-689.5	852.5	827.2	25.26	33.748	
9,150.0	9,138.2	9,077.1	9,064.1	14.4	10.7	-38.57	780.3	-691.6	854.2	828.9	25.31	33.757	
9,175.0	9,163.2	9,102.0	9,088.9	14.4	10.7	-38.65	780.8	-693.7	856.0	830.6	25.35	33.766	
9,200.0	9,188.2	9,126.9	9,113.7	14.4	10.7	-38.74	781.4	-695.8	857.7	832.4	25.40	33.775	
9,225.0	9,213.2	9,151.8	9,138.5	14.4	10.8	-38.82	782.0	-697.9	859.5	834.1	25.44	33.784	
9,250.0	9,238.2	9,176.7	9,163.4	14.5	10.8	-38.91	782.5	-700.0	861.3	835.8	25.49	33.793	
9,275.0	9,263.2	9,201.6	9,188.2	14.5	10.8	-38.99	783.1	-702.1	863.0	837.5	25.53	33.802	
9,300.0	9,288.2	9,226.5	9,213.0	14.5	10.8	-39.08	783.6	-704.2	864.8	839.2	25.58	33.811	
9,325.0	9,313.2	9,251.4	9,237.8	14.5	10.9	-39.16	784.2	-706.3	866.6	840.9	25.62	33.820	
9,350.0	9,338.2	9,276.3	9,262.6	14.5	10.9	-39.25	784.8	-708.4	868.3	842.7	25.67	33.830	
9,375.0	9,363.2	9,301.2	9,287.4	14.6	10.9	-39.33	785.3	-710.5	870.1	844.4	25.71	33.839	
9,400.0	9,388.2	9,326.1	9,312.2	14.6	11.0	-39.41	785.9	-712.6	871.9	846.1	25.76	33.848	
9,425.0	9,413.2	9,351.0	9,337.0	14.6	11.0	-39.50	786.5	-714.7	873.7	847.9	25.80	33.857	
9,450.0	9,438.2	9,375.9	9,361.8	14.6	11.0	-39.58	787.0	-716.8	875.4	849.6	25.85	33.866	
9,475.0	9,463.2	9,400.9	9,386.6	14.6	11.0	-39.66	787.6	-718.9	877.2	851.3	25.90	33.876	
9,500.0	9,488.2	9,425.8	9,411.5	14.7	11.1	-39.75	788.1	-721.0	879.0	853.1	25.94	33.885	
9,525.0	9,513.2	9,450.7	9,436.3	14.7	11.1	-39.83	788.7	-723.1	880.8	854.8	25.99	33.894	
9,550.0	9,538.2	9,475.6	9,461.1	14.7	11.1	-39.91	789.3	-725.2	882.6	856.5	26.03	33.903	
9,575.0	9,563.2	9,500.5	9,485.9	14.7	11.1	-39.99	789.8	-727.3	884.3	858.3	26.08	33.913	
9,600.0	9,588.2	9,525.4	9,510.7	14.7	11.2	-40.07	790.4	-729.4	886.1	860.0	26.12	33.922	
9,625.0	9,613.2	9,550.3	9,535.5	14.8	11.2	-40.15	790.9	-731.5	887.9	861.8	26.17	33.931	
9,650.0	9,638.2	9,575.2	9,560.3	14.8	11.2	-40.23	791.5	-733.6	889.7	863.5	26.21	33.940	
9,675.0	9,663.2	9,600.1	9,585.1	14.8	11.2	-40.31	792.1	-735.7	891.5	865.2	26.26	33.950	
9,700.0	9,688.2	9,625.0	9,609.9	14.8	11.3	-40.39	792.6	-737.8	893.3	867.0	26.31	33.959	
9,725.0	9,713.2	9,649.9	9,634.7	14.8	11.3	-40.47	793.2	-739.8	895.1	868.7	26.35	33.968	
9,750.0	9,738.2	9,674.8	9,659.6	14.9	11.3	-40.55	793.8	-741.9	896.9	870.5	26.40	33.978	
9,775.0	9,763.2	9,699.7	9,684.4	14.9	11.3	-40.63	794.3	-744.0	898.7	872.3	26.44	33.987	
9,800.0	9,788.2	9,724.6	9,709.2	14.9	11.4	-40.70	794.9	-746.1	900.5	874.0	26.49	33.996	
9,825.0	9,813.2	9,749.5	9,734.0	14.9	11.4	-40.78	795.4	-748.2	902.3	875.8	26.53	34.006	
9,850.0	9,838.2	9,774.4	9,758.8	14.9	11.4	-40.86	796.0	-750.3	904.1	877.5	26.58	34.015	
9,875.0	9,863.2	9,799.3	9,783.6	15.0	11.4	-40.94	796.6	-752.4	905.9	879.3	26.63	34.024	
9,900.0	9,888.2	9,824.2	9,808.4	15.0	11.5	-41.01	797.1	-754.5	907.7	881.0	26.67	34.034	
9,925.0	9,913.2	9,849.1	9,833.2	15.0	11.5	-41.09	797.7	-756.6	909.5	882.8	26.72	34.043	
9,950.0	9,938.2	9,874.0	9,858.0	15.0	11.5	-41.17	798.2	-758.7	911.3	884.6	26.76	34.052	
9,975.0	9,963.2	9,898.9	9,882.8	15.0	11.6	-41.24	798.8	-760.8	913.2	886.3	26.81	34.061	
10,000.0	9,988.2	9,923.9	9,907.7	15.1	11.6	-41.32	799.4	-762.9	915.0	888.1	26.86	34.070	
10,000.4	9,988.6	9,924.2	9,908.0	15.1	11.6	-41.32	799.4	-762.9	915.0	888.1	26.86	34.071	
10,025.0	10,013.2	9,948.8	9,932.5	15.1	11.6	-41.25	799.9	-765.0	916.3	889.4	26.89	34.075	
10,050.0	10,038.1	9,973.6	9,957.2	15.1	11.6	-41.37	800.5	-767.1	916.7	889.7	26.92	34.051	
10,075.0	10,062.9	9,998.4	9,981.9	15.1	11.7	-41.63	801.1	-769.2	916.1	889.1	26.95	33.991	
10,100.0	10,087.5	10,023.0	10,006.4	15.1	11.7	-42.02	801.6	-771.3	914.5	887.5	26.98	33.897	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,111.8	10,047.3	10,030.7	15.1	11.7	-42.53	802.2	-773.3	912.0	885.0	27.01	33.769	
10,150.0	10,135.8	10,071.4	10,054.6	15.1	11.7	-43.18	802.7	-775.3	908.5	881.5	27.03	33.607	
10,175.0	10,159.3	10,095.1	10,078.2	15.1	11.8	-43.96	803.2	-777.3	904.2	877.1	27.06	33.415	
10,200.0	10,182.4	10,118.3	10,101.3	15.1	11.8	-44.88	803.8	-779.3	899.0	871.9	27.08	33.201	
10,225.0	10,205.0	10,141.0	10,124.0	15.1	11.8	-45.94	804.3	-781.2	892.9	865.8	27.09	32.962	
10,250.0	10,227.0	10,163.2	10,146.1	15.1	11.8	-47.13	804.8	-783.1	886.1	859.0	27.10	32.698	
10,275.0	10,248.3	10,184.7	10,167.5	15.2	11.9	-48.46	805.3	-784.9	878.5	851.4	27.11	32.411	
10,300.0	10,268.9	10,286.0	10,268.2	15.2	11.9	-53.14	800.4	-794.4	869.8	842.6	27.18	32.005	
10,325.0	10,288.8	10,405.6	10,383.3	15.2	11.9	-60.80	772.4	-808.4	858.1	830.5	27.59	31.101	
10,350.0	10,307.8	10,433.7	10,409.1	15.2	11.9	-64.24	761.9	-812.1	845.0	817.3	27.63	30.577	
10,375.0	10,325.9	10,509.3	10,476.4	15.2	12.0	-71.54	729.2	-822.5	831.5	803.5	28.01	29.685	
10,400.0	10,343.1	10,530.5	10,494.3	15.2	12.0	-75.10	718.3	-825.6	817.9	789.9	28.02	29.195	
10,425.0	10,359.4	10,541.9	10,503.7	15.2	12.0	-77.89	712.2	-827.3	804.5	776.6	27.94	28.797	
10,450.0	10,374.6	10,546.9	10,507.9	15.2	12.0	-80.13	709.5	-828.0	791.4	763.6	27.81	28.457	
10,475.0	10,388.8	10,547.6	10,508.4	15.3	12.0	-81.94	709.1	-828.1	778.6	751.0	27.65	28.155	
10,500.0	10,401.9	10,545.2	10,506.5	15.3	12.0	-83.42	710.4	-827.8	766.3	738.8	27.48	27.882	
10,525.0	10,413.8	10,540.6	10,502.7	15.3	12.0	-84.63	712.9	-827.1	754.5	727.2	27.31	27.629	
10,550.0	10,424.6	10,534.3	10,497.5	15.3	12.0	-85.62	716.2	-826.2	743.2	716.1	27.13	27.392	
10,575.0	10,434.2	10,526.8	10,491.2	15.3	12.0	-86.40	720.2	-825.1	732.5	705.5	26.96	27.168	
10,600.0	10,442.5	10,518.2	10,484.0	15.4	12.0	-87.02	724.7	-823.8	722.3	695.5	26.80	26.954	
10,625.0	10,449.7	10,508.8	10,476.0	15.4	12.0	-87.48	729.4	-822.5	712.7	686.1	26.64	26.750	
10,650.0	10,455.5	10,498.8	10,467.3	15.4	12.0	-87.79	734.3	-821.0	703.8	677.3	26.50	26.554	
10,675.0	10,460.1	10,488.2	10,458.1	15.4	12.0	-87.98	739.3	-819.5	695.4	669.1	26.38	26.366	
10,700.0	10,463.4	10,477.1	10,448.4	15.5	11.9	-88.05	744.3	-818.0	687.7	661.5	26.26	26.187	
10,725.0	10,465.4	10,465.7	10,438.2	15.5	11.9	-88.01	749.4	-816.4	680.7	654.5	26.16	26.017	
10,745.4	10,466.0	10,456.1	10,429.6	15.5	11.9	-87.90	753.4	-815.1	675.4	649.3	26.09	25.887	
10,750.0	10,466.0	10,453.9	10,427.7	15.5	11.9	-87.72	754.3	-814.8	674.3	648.2	26.08	25.857	
10,775.0	10,466.3	10,442.8	10,417.6	15.6	11.9	-86.83	758.8	-813.2	668.6	642.6	26.00	25.711	
10,800.0	10,466.6	10,432.6	10,408.3	15.6	11.9	-86.00	762.7	-811.9	663.6	637.7	25.94	25.586	
10,825.0	10,466.8	10,423.2	10,399.7	15.6	11.9	-85.24	766.2	-810.6	659.4	633.5	25.89	25.473	
10,850.0	10,467.1	10,414.6	10,391.7	15.7	11.9	-84.52	769.3	-809.5	656.0	630.2	25.84	25.386	
10,875.0	10,467.4	10,406.6	10,384.2	15.7	11.9	-83.86	772.0	-808.5	653.4	627.6	25.80	25.327	
10,900.0	10,467.6	10,400.0	10,378.1	15.8	11.9	-83.31	774.2	-807.6	651.7	626.0	25.76	25.301	
10,925.0	10,467.9	10,392.4	10,370.9	15.9	11.9	-82.67	776.6	-806.7	650.9	625.2	25.74	25.283 SF	
10,936.3	10,468.0	10,389.4	10,368.1	15.9	11.9	-82.43	777.5	-806.3	650.8	625.1	25.74	25.287	
10,950.0	10,468.1	10,386.0	10,364.9	15.9	11.9	-82.14	778.6	-805.9	650.9	625.2	25.73	25.299	
10,975.0	10,468.4	10,380.0	10,359.2	16.0	11.9	-81.64	780.4	-805.1	651.9	626.2	25.72	25.347	
11,000.0	10,468.7	10,374.5	10,354.0	16.0	11.9	-81.17	782.0	-804.5	653.7	628.0	25.71	25.425	
11,025.0	10,468.9	10,369.3	10,349.0	16.1	11.9	-80.72	783.4	-803.8	656.4	630.7	25.72	25.523	
11,050.0	10,469.2	10,364.4	10,344.3	16.2	11.9	-80.31	784.7	-803.2	660.0	634.3	25.73	25.651	
11,075.0	10,469.4	10,359.8	10,339.9	16.3	11.9	-79.92	785.9	-802.7	664.5	638.8	25.75	25.811	
11,100.0	10,469.7	10,350.0	10,330.5	16.3	11.9	-79.09	788.4	-801.5	669.9	644.1	25.81	25.949	
11,125.0	10,470.0	10,350.0	10,330.5	16.4	11.9	-79.09	788.4	-801.5	676.0	650.2	25.81	26.195	
11,150.0	10,470.2	10,350.0	10,330.5	16.5	11.9	-79.09	788.4	-801.5	683.0	657.2	25.80	26.472	
11,175.0	10,470.5	10,350.0	10,330.5	16.6	11.9	-79.09	788.4	-801.5	690.9	665.1	25.80	26.777	
11,200.0	10,470.8	10,340.4	10,321.3	16.7	11.9	-78.27	790.6	-800.4	699.4	673.5	25.90	27.008	
11,225.0	10,471.0	10,337.1	10,318.1	16.8	11.9	-77.99	791.4	-800.0	708.8	682.8	25.94	27.320	
11,250.0	10,471.3	10,334.0	10,315.1	16.9	11.9	-77.72	792.1	-799.6	718.9	692.9	25.99	27.658	
11,275.0	10,471.5	10,331.1	10,312.2	17.0	11.9	-77.47	792.7	-799.3	729.6	703.6	26.04	28.022	
11,300.0	10,471.8	10,328.2	10,309.5	17.1	11.9	-77.23	793.3	-799.0	741.1	715.0	26.08	28.410	
11,325.0	10,472.1	10,325.5	10,306.9	17.2	11.9	-77.00	793.8	-798.7	753.1	727.0	26.14	28.814	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #903H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,350.0	10,472.3	10,323.0	10,304.4	17.3	11.9	-76.78	794.3	-798.4	765.8	739.6	26.19	29.240	
11,375.0	10,472.6	10,320.5	10,302.0	17.4	11.9	-76.57	794.8	-798.1	779.1	752.8	26.24	29.688	
11,400.0	10,472.8	10,318.2	10,299.7	17.5	11.9	-76.37	795.3	-797.8	792.9	766.6	26.29	30.156	
11,425.0	10,473.1	10,315.9	10,297.5	17.6	11.9	-76.18	795.7	-797.6	807.2	780.9	26.35	30.637	
11,450.0	10,473.4	10,313.8	10,295.4	17.8	11.9	-75.99	796.1	-797.4	822.1	795.7	26.40	31.137	
11,475.0	10,473.6	10,300.0	10,281.9	17.9	11.9	-74.82	798.4	-795.8	837.6	811.0	26.57	31.519	
11,500.0	10,473.9	10,300.0	10,281.9	18.0	11.9	-74.82	798.4	-795.8	853.3	826.7	26.60	32.076	
11,525.0	10,474.1	10,300.0	10,281.9	18.1	11.9	-74.82	798.4	-795.8	869.4	842.8	26.64	32.642	
11,550.0	10,474.4	10,300.0	10,281.9	18.3	11.9	-74.82	798.4	-795.8	886.0	859.3	26.67	33.223	
11,575.0	10,474.7	10,300.0	10,281.9	18.4	11.9	-74.82	798.4	-795.8	902.9	876.2	26.70	33.818	
11,600.0	10,474.9	10,300.0	10,281.9	18.5	11.9	-74.82	798.4	-795.8	920.2	893.5	26.73	34.427	
11,625.0	10,475.2	10,300.0	10,281.9	18.6	11.9	-74.82	798.4	-795.8	937.9	911.1	26.76	35.042	
11,650.0	10,475.5	10,300.0	10,281.9	18.8	11.9	-74.82	798.4	-795.8	955.9	929.1	26.80	35.669	
11,675.0	10,475.7	10,300.0	10,281.9	18.9	11.9	-74.82	798.4	-795.8	974.2	947.3	26.83	36.308	
11,700.0	10,476.0	10,300.0	10,281.9	19.0	11.9	-74.82	798.4	-795.8	992.8	965.9	26.86	36.956	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	89.66	1.2	200.0	200.0				
25.0	25.0	25.9	25.9	0.5	0.1	89.66	1.2	200.0	200.0				
50.0	50.0	50.9	50.9	0.5	0.3	89.66	1.2	200.0	200.0	198.7	1.28	156.612	
75.0	75.0	75.9	75.9	0.5	0.4	89.66	1.2	200.0	200.0	198.6	1.37	145.789	
100.0	100.0	100.9	100.9	0.5	0.5	89.66	1.2	200.0	200.0	198.5	1.49	134.301	
125.0	125.0	125.9	125.9	0.6	0.6	89.66	1.2	200.0	200.0	198.3	1.73	115.278	
150.0	150.0	150.9	150.9	0.8	0.8	89.66	1.2	200.0	200.0	198.0	1.98	100.976	
175.0	175.0	175.9	175.9	0.9	0.9	89.66	1.2	200.0	200.0	197.8	2.23	89.831	
200.0	200.0	200.9	200.9	1.0	1.0	89.66	1.2	200.0	200.0	197.5	2.47	80.952	
225.0	225.0	225.9	225.9	1.1	1.1	89.66	1.2	200.0	200.0	197.4	2.63	76.045	
250.0	250.0	250.9	250.9	1.2	1.2	89.66	1.2	200.0	200.0	197.2	2.79	71.698	
275.0	275.0	275.9	275.9	1.3	1.3	89.66	1.2	200.0	200.0	197.1	2.95	67.822	
300.0	300.0	300.9	300.9	1.4	1.4	89.66	1.2	200.0	200.0	196.9	3.11	64.355	
325.0	325.0	325.9	325.9	1.4	1.4	89.66	1.2	200.0	200.0	196.8	3.24	61.815	
350.0	350.0	350.9	350.9	1.5	1.5	89.66	1.2	200.0	200.0	196.6	3.36	59.469	
375.0	375.0	375.9	375.9	1.6	1.6	89.66	1.2	200.0	200.0	196.5	3.49	57.294	
400.0	400.0	400.9	400.9	1.6	1.6	89.66	1.2	200.0	200.0	196.4	3.62	55.277	
425.0	425.0	425.9	425.9	1.7	1.7	89.66	1.2	200.0	200.0	196.3	3.73	53.652	
450.0	450.0	450.9	450.9	1.8	1.8	89.66	1.2	200.0	200.0	196.2	3.84	52.119	
475.0	475.0	475.9	475.9	1.8	1.8	89.66	1.2	200.0	200.0	196.1	3.95	50.672	
500.0	500.0	500.9	500.9	1.9	1.9	89.66	1.2	200.0	200.0	195.9	4.06	49.305	
525.0	525.0	525.9	525.9	1.9	1.9	89.66	1.2	200.0	200.0	195.8	4.15	48.147	
550.0	550.0	550.9	550.9	2.0	2.0	89.66	1.2	200.0	200.0	195.8	4.25	47.042	
575.0	575.0	575.9	575.9	2.1	2.1	89.66	1.2	200.0	200.0	195.7	4.35	45.987	
600.0	600.0	600.9	600.9	2.1	2.1	89.66	1.2	200.0	200.0	195.6	4.45	44.979	
625.0	625.0	625.9	625.9	2.2	2.2	89.66	1.2	200.0	200.0	195.5	4.54	44.099	
650.0	650.0	650.9	650.9	2.2	2.2	89.66	1.2	200.0	200.0	195.4	4.62	43.252	
675.0	675.0	675.9	675.9	2.3	2.3	89.66	1.2	200.0	200.0	195.3	4.71	42.437	
700.0	700.0	700.9	700.9	2.3	2.3	89.66	1.2	200.0	200.0	195.2	4.80	41.653	
725.0	725.0	725.9	725.9	2.4	2.4	89.66	1.2	200.0	200.0	195.1	4.88	40.954	
750.0	750.0	750.9	750.9	2.4	2.4	89.66	1.2	200.0	200.0	195.0	4.97	40.277	
775.0	775.0	775.9	775.9	2.5	2.5	89.66	1.2	200.0	200.0	195.0	5.05	39.622	
800.0	800.0	800.9	800.9	2.5	2.5	89.66	1.2	200.0	200.0	194.9	5.13	38.990	
825.0	825.0	825.9	825.9	2.6	2.6	89.66	1.2	200.0	200.0	194.8	5.21	38.416	
850.0	850.0	850.9	850.9	2.6	2.6	89.66	1.2	200.0	200.0	194.7	5.28	37.859	
875.0	875.0	875.9	875.9	2.6	2.6	89.66	1.2	200.0	200.0	194.6	5.36	37.318	
900.0	900.0	900.9	900.9	2.7	2.7	89.66	1.2	200.0	200.0	194.6	5.44	36.792	
925.0	925.0	925.9	925.9	2.7	2.7	89.66	1.2	200.0	200.0	194.5	5.51	36.310	
950.0	950.0	950.9	950.9	2.8	2.8	89.66	1.2	200.0	200.0	194.4	5.58	35.841	
975.0	975.0	975.9	975.9	2.8	2.8	89.66	1.2	200.0	200.0	194.4	5.65	35.384	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	89.66	1.2	200.0	200.0	194.3	5.72	34.938	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	89.66	1.2	200.0	200.0	194.2	5.79	34.526	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	89.66	1.2	200.0	200.0	194.1	5.86	34.123	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	89.66	1.2	200.0	200.0	194.1	5.93	33.729	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	89.66	1.2	200.0	200.0	194.0	6.00	33.345	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	89.66	1.2	200.0	200.0	193.9	6.06	32.987	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	89.66	1.2	200.0	200.0	193.9	6.13	32.636	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	89.66	1.2	200.0	200.0	193.8	6.19	32.293	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	89.66	1.2	200.0	200.0	193.7	6.26	31.957	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	89.66	1.2	200.0	200.0	193.7	6.32	31.642	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	89.66	1.2	200.0	200.0	193.6	6.38	31.333	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	89.66	1.2	200.0	200.0	193.6	6.45	31.030	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	89.66	1.2	200.0	200.0	193.5	6.51	30.733	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	89.66	1.2	200.0	200.0	193.4	6.57	30.453	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	89.66	1.2	200.0	200.0	193.4	6.63	30.178	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	89.66	1.2	200.0	200.0	193.3	6.69	29.908	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	89.66	1.2	200.0	200.0	193.3	6.75	29.643	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	89.66	1.2	200.0	200.0	193.2	6.80	29.392	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	89.66	1.2	200.0	200.0	193.1	6.86	29.145	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	89.66	1.2	200.0	200.0	193.1	6.92	28.902	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	89.66	1.2	200.0	200.0	193.0	6.98	28.663	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	89.66	1.2	200.0	200.0	193.0	7.03	28.437	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	89.66	1.2	200.0	200.0	192.9	7.09	28.213	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	89.66	1.2	200.0	200.0	192.9	7.14	27.993	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	89.66	1.2	200.0	200.0	192.8	7.20	27.777	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	89.66	1.2	200.0	200.0	192.7	7.25	27.571	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	89.66	1.2	200.0	200.0	192.7	7.31	27.367	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	89.66	1.2	200.0	200.0	192.6	7.36	27.167	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	89.66	1.2	200.0	200.0	192.6	7.42	26.970	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	89.66	1.2	200.0	200.0	192.5	7.47	26.781	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	89.66	1.2	200.0	200.0	192.5	7.52	26.595	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	89.66	1.2	200.0	200.0	192.4	7.57	26.411	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	89.66	1.2	200.0	200.0	192.4	7.62	26.231	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	89.66	1.2	200.0	200.0	192.3	7.68	26.057	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	89.66	1.2	200.0	200.0	192.3	7.73	25.886	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	89.66	1.2	200.0	200.0	192.2	7.78	25.717	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	89.66	1.2	200.0	200.0	192.2	7.83	25.550	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	89.66	1.2	200.0	200.0	192.1	7.88	25.390	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	89.66	1.2	200.0	200.0	192.1	7.93	25.232	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	89.66	1.2	200.0	200.0	192.0	7.98	25.075	
1,991.4	1,991.4	1,992.3	1,992.3	4.4	4.4	89.66	1.2	200.0	200.0	192.0	8.01	24.974 CC	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	89.66	1.2	200.0	200.0	192.0	8.02	24.924 ES	
2,025.0	2,025.0	2,024.2	2,024.2	4.4	4.4	144.26	1.2	200.1	200.2	192.1	8.12	24.651	
2,050.0	2,050.0	2,047.6	2,047.6	4.5	4.5	144.29	1.3	200.4	200.8	192.6	8.22	24.436	
2,075.0	2,075.0	2,071.0	2,071.0	4.5	4.5	144.34	1.4	200.9	201.7	193.4	8.31	24.272	
2,100.0	2,100.0	2,094.3	2,094.3	4.6	4.5	144.41	1.5	201.5	203.1	194.6	8.41	24.157	
2,125.0	2,125.0	2,117.6	2,117.6	4.6	4.6	144.49	1.7	202.4	204.8	196.2	8.54	23.979	
2,150.0	2,149.9	2,140.9	2,140.8	4.7	4.6	144.59	1.9	203.4	206.8	198.2	8.68	23.834	
2,175.0	2,174.9	2,164.1	2,164.0	4.7	4.6	144.71	2.1	204.6	209.3	200.5	8.82	23.738	
2,200.0	2,199.8	2,187.3	2,187.2	4.8	4.7	144.84	2.4	206.0	212.1	203.2	8.96	23.688	
2,225.0	2,224.8	2,210.4	2,210.2	4.8	4.7	144.98	2.7	207.6	215.4	206.3	9.10	23.675 SF	
2,250.0	2,249.7	2,233.4	2,233.1	4.9	4.8	145.14	3.0	209.3	218.9	209.7	9.24	23.700	
2,275.0	2,274.6	2,256.3	2,256.0	5.0	4.8	145.30	3.4	211.3	222.9	213.5	9.38	23.766	
2,300.0	2,299.5	2,279.2	2,278.7	5.0	4.8	145.47	3.8	213.3	227.2	217.7	9.52	23.869	
2,325.0	2,324.3	2,300.0	2,299.5	5.1	4.9	145.63	4.2	215.4	231.9	222.3	9.65	24.031	
2,350.0	2,349.1	2,324.6	2,323.9	5.2	4.9	145.83	4.7	218.0	237.0	227.2	9.81	24.165	
2,375.0	2,373.9	2,347.1	2,346.3	5.2	5.0	146.02	5.2	220.6	242.5	232.5	9.95	24.359	
2,400.1	2,398.8	2,369.6	2,368.6	5.3	5.0	146.21	5.7	223.4	248.3	238.2	10.10	24.589	
2,425.0	2,423.5	2,391.9	2,390.6	5.4	5.1	146.45	6.3	226.3	254.4	244.1	10.23	24.872	
2,450.0	2,448.2	2,414.1	2,412.6	5.4	5.2	146.68	6.9	229.3	260.6	250.3	10.36	25.164	
2,475.0	2,473.0	2,436.2	2,434.6	5.5	5.2	146.89	7.5	232.5	267.1	256.6	10.49	25.465	
2,500.0	2,497.7	2,458.3	2,456.3	5.6	5.3	147.07	8.1	235.9	273.8	263.1	10.62	25.778	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,525.0	2,522.5	2,480.3	2,478.0	5.6	5.4	147.24	8.8	239.4	280.6	269.8	10.75	26.094	
2,550.0	2,547.2	2,500.0	2,497.5	5.7	5.4	147.38	9.4	242.7	287.6	276.7	10.87	26.455	
2,575.0	2,572.0	2,523.9	2,521.0	5.7	5.5	147.53	10.2	246.9	294.8	283.8	11.00	26.803	
2,600.0	2,596.8	2,545.6	2,542.3	5.8	5.6	147.65	11.0	250.9	302.2	291.0	11.11	27.192	
2,625.0	2,621.5	2,567.2	2,563.5	5.9	5.6	147.76	11.8	255.0	309.7	298.5	11.23	27.582	
2,650.0	2,646.3	2,590.2	2,586.0	6.0	5.7	147.86	12.7	259.4	317.4	306.0	11.34	27.986	
2,675.0	2,671.0	2,614.0	2,609.3	6.0	5.7	147.97	13.6	264.1	325.1	313.6	11.47	28.346	
2,700.0	2,695.8	2,637.8	2,632.6	6.1	5.8	148.06	14.5	268.8	332.8	321.2	11.61	28.669	
2,725.0	2,720.5	2,661.5	2,655.9	6.2	5.9	148.15	15.4	273.4	340.5	328.7	11.75	28.975	
2,750.0	2,745.3	2,685.3	2,679.3	6.2	6.0	148.24	16.3	278.1	348.2	336.3	11.89	29.274	
2,775.0	2,770.1	2,709.1	2,702.6	6.3	6.1	148.33	17.2	282.7	355.9	343.8	12.04	29.565	
2,800.0	2,794.8	2,732.9	2,725.9	6.4	6.1	148.41	18.1	287.4	363.6	351.4	12.18	29.845	
2,825.0	2,819.6	2,756.7	2,749.2	6.5	6.2	148.49	19.0	292.0	371.3	358.9	12.33	30.113	
2,850.0	2,844.3	2,780.4	2,772.5	6.5	6.3	148.56	19.9	296.7	379.0	366.5	12.48	30.375	
2,875.0	2,869.1	2,804.2	2,795.8	6.6	6.4	148.63	20.7	301.3	386.7	374.0	12.62	30.628	
2,900.0	2,893.8	2,828.0	2,819.1	6.7	6.4	148.70	21.6	306.0	394.4	381.6	12.77	30.869	
2,925.0	2,918.6	2,851.8	2,842.4	6.8	6.5	148.77	22.5	310.7	402.1	389.1	12.93	31.099	
2,950.0	2,943.3	2,875.6	2,865.7	6.9	6.6	148.83	23.4	315.3	409.8	396.7	13.08	31.324	
2,975.0	2,968.1	2,899.3	2,889.0	7.0	6.7	148.89	24.3	320.0	417.5	404.2	13.23	31.543	
3,000.0	2,992.9	2,923.1	2,912.3	7.0	6.8	148.95	25.2	324.6	425.2	411.8	13.39	31.750	
3,025.0	3,017.6	2,946.9	2,935.6	7.1	6.9	149.01	26.1	329.3	432.9	419.3	13.55	31.948	
3,050.0	3,042.4	2,970.7	2,958.9	7.2	7.0	149.06	27.0	333.9	440.6	426.9	13.71	32.141	
3,075.0	3,067.1	2,994.5	2,982.2	7.3	7.0	149.11	27.9	338.6	448.3	434.4	13.87	32.329	
3,100.0	3,091.9	3,018.2	3,005.5	7.4	7.1	149.16	28.8	343.2	456.0	441.9	14.03	32.509	
3,125.0	3,116.6	3,042.0	3,028.8	7.5	7.2	149.21	29.7	347.9	463.7	449.5	14.19	32.679	
3,150.0	3,141.4	3,065.8	3,052.1	7.6	7.3	149.26	30.6	352.6	471.4	457.0	14.35	32.846	
3,175.0	3,166.2	3,089.6	3,075.4	7.6	7.4	149.31	31.5	357.2	479.1	464.6	14.51	33.008	
3,200.0	3,190.9	3,113.4	3,098.7	7.7	7.5	149.35	32.4	361.9	486.8	472.1	14.68	33.164	
3,212.6	3,203.4	3,125.4	3,110.5	7.8	7.5	149.38	32.9	364.2	490.7	475.9	14.75	33.261	
3,225.0	3,215.7	3,137.2	3,122.0	7.8	7.6	149.42	33.3	366.5	494.5	479.6	14.84	33.329	
3,250.0	3,240.4	3,161.0	3,145.3	7.9	7.7	149.49	34.2	371.2	502.1	487.1	15.01	33.457	
3,275.0	3,265.2	3,184.8	3,168.7	8.0	7.8	149.56	35.1	375.8	509.6	494.4	15.18	33.577	
3,300.0	3,290.0	3,208.7	3,192.1	8.1	7.9	149.62	36.0	380.5	517.1	501.7	15.35	33.687	
3,325.0	3,314.8	3,232.6	3,215.5	8.2	7.9	149.67	36.9	385.2	524.4	508.9	15.52	33.798	
3,350.0	3,339.7	3,256.5	3,239.0	8.3	8.0	149.72	37.8	389.9	531.7	516.0	15.68	33.900	
3,375.0	3,364.5	3,280.4	3,262.4	8.4	8.1	149.76	38.7	394.6	538.8	523.0	15.85	33.994	
3,400.0	3,389.4	3,304.4	3,285.9	8.4	8.2	149.79	39.6	399.3	545.9	529.9	16.02	34.080	
3,425.0	3,414.2	3,328.4	3,309.4	8.5	8.3	149.81	40.5	404.0	552.9	536.7	16.19	34.158	
3,450.0	3,439.1	3,352.4	3,333.0	8.6	8.4	149.83	41.5	408.7	559.8	543.4	16.36	34.228	
3,475.0	3,464.0	3,376.5	3,356.6	8.7	8.5	149.85	42.4	413.4	566.6	550.1	16.52	34.290	
3,500.0	3,488.9	3,400.6	3,380.2	8.8	8.6	149.86	43.3	418.1	573.3	556.6	16.69	34.346	
3,525.0	3,513.8	3,424.7	3,403.8	8.9	8.7	149.86	44.2	422.8	579.9	563.1	16.86	34.396	
3,550.0	3,538.7	3,448.8	3,427.4	9.0	8.8	149.86	45.1	427.5	586.5	569.4	17.03	34.439	
3,575.0	3,563.6	3,473.0	3,451.1	9.1	8.9	149.85	46.0	432.3	592.9	575.7	17.20	34.475	
3,600.0	3,588.5	3,497.1	3,474.8	9.1	9.0	149.83	46.9	437.0	599.3	581.9	17.37	34.506	
3,625.0	3,613.5	3,521.3	3,498.5	9.2	9.1	149.82	47.8	441.7	605.5	588.0	17.53	34.533	
3,650.0	3,638.4	3,545.6	3,522.2	9.3	9.2	149.79	48.7	446.5	611.7	594.0	17.70	34.553	
3,675.0	3,663.4	3,569.8	3,546.0	9.4	9.3	149.77	49.7	451.2	617.8	599.9	17.87	34.568	
3,700.0	3,688.3	3,594.1	3,569.8	9.5	9.4	149.73	50.6	456.0	623.8	605.7	18.04	34.578	
3,725.0	3,713.3	3,618.4	3,593.6	9.5	9.5	149.70	51.5	460.7	629.7	611.5	18.21	34.586	
3,750.0	3,738.3	3,642.7	3,617.4	9.6	9.6	149.66	52.4	465.5	635.5	617.1	18.37	34.589	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,775.0	3,763.3	3,667.0	3,641.2	9.7	9.7	149.61	53.3	470.2	641.2	622.6	18.54	34.587	
3,800.0	3,788.2	3,691.3	3,665.1	9.8	9.8	149.56	54.2	475.0	646.8	628.1	18.71	34.579	
3,825.0	3,813.2	3,715.7	3,688.9	9.9	9.9	149.51	55.2	479.8	652.3	633.5	18.87	34.575	
3,850.0	3,838.2	3,740.1	3,712.8	9.9	10.0	149.45	56.1	484.6	657.8	638.8	19.03	34.564	
3,875.0	3,863.2	3,764.5	3,736.7	10.0	10.1	149.39	57.0	489.3	663.1	643.9	19.19	34.550	
3,900.0	3,888.2	3,788.9	3,760.7	10.1	10.2	149.33	57.9	494.1	668.4	649.0	19.36	34.530	
3,925.0	3,913.2	3,813.3	3,784.6	10.1	10.3	149.26	58.9	498.9	673.6	654.1	19.51	34.523	
3,950.0	3,938.2	3,837.8	3,808.6	10.2	10.4	149.19	59.8	503.7	678.7	659.0	19.67	34.510	
3,975.0	3,963.2	3,862.2	3,832.5	10.2	10.5	149.11	60.7	508.5	683.7	663.8	19.82	34.493	
4,000.0	3,988.2	3,886.7	3,856.5	10.3	10.6	149.03	61.6	513.3	688.6	668.6	19.98	34.471	
4,012.8	4,001.0	3,899.3	3,868.8	10.3	10.7	94.39	62.1	515.7	691.0	671.0	20.04	34.488	
4,025.0	4,013.2	3,911.2	3,880.5	10.3	10.8	94.34	62.6	518.1	693.4	673.3	20.10	34.493	
4,050.0	4,038.2	3,935.7	3,904.5	10.3	10.9	94.23	63.5	522.9	698.2	678.0	20.23	34.505	
4,075.0	4,063.2	3,960.2	3,928.5	10.4	11.0	94.12	64.4	527.6	703.0	682.7	20.37	34.516	
4,100.0	4,088.2	3,984.7	3,952.6	10.4	11.1	94.02	65.3	532.4	707.8	687.3	20.50	34.526	
4,125.0	4,113.2	4,009.2	3,976.6	10.4	11.2	93.92	66.3	537.2	712.7	692.0	20.63	34.541	
4,150.0	4,138.2	4,033.7	4,000.6	10.4	11.3	93.81	67.2	542.0	717.5	696.7	20.76	34.554	
4,175.0	4,163.2	4,058.2	4,024.6	10.4	11.4	93.71	68.1	546.8	722.3	701.4	20.90	34.567	
4,200.0	4,188.2	4,082.7	4,048.6	10.5	11.5	93.61	69.0	551.6	727.2	706.1	21.03	34.579	
4,225.0	4,213.2	4,107.2	4,072.6	10.5	11.6	93.52	70.0	556.4	732.0	710.8	21.16	34.590	
4,250.0	4,238.2	4,131.7	4,096.6	10.5	11.7	93.42	70.9	561.2	736.8	715.5	21.30	34.600	
4,275.0	4,263.2	4,156.2	4,120.6	10.5	11.8	93.32	71.8	566.0	741.7	720.2	21.43	34.608	
4,300.0	4,288.2	4,180.7	4,144.6	10.5	11.9	93.23	72.7	570.8	746.5	724.9	21.56	34.617	
4,325.0	4,313.2	4,205.2	4,168.6	10.6	12.0	93.14	73.7	575.6	751.3	729.6	21.70	34.624	
4,350.0	4,338.2	4,229.7	4,192.6	10.6	12.1	93.05	74.6	580.4	756.2	734.3	21.84	34.630	
4,375.0	4,363.2	4,254.2	4,216.6	10.6	12.2	92.96	75.5	585.2	761.0	739.0	21.97	34.636	
4,400.0	4,388.2	4,278.7	4,240.6	10.6	12.4	92.87	76.4	590.0	765.9	743.8	22.11	34.641	
4,425.0	4,413.2	4,303.2	4,264.6	10.6	12.5	92.78	77.4	594.8	770.7	748.5	22.25	34.646	
4,450.0	4,438.2	4,327.7	4,288.6	10.7	12.6	92.69	78.3	599.6	775.6	753.2	22.38	34.649	
4,475.0	4,463.2	4,352.2	4,312.6	10.7	12.7	92.61	79.2	604.4	780.4	757.9	22.52	34.652	
4,500.0	4,488.2	4,376.7	4,336.7	10.7	12.8	92.52	80.1	609.2	785.3	762.6	22.66	34.654	
4,525.0	4,513.2	4,401.2	4,360.7	10.7	12.9	92.44	81.1	614.0	790.1	767.3	22.80	34.656	
4,550.0	4,538.2	4,425.7	4,384.7	10.7	13.0	92.35	82.0	618.8	795.0	772.0	22.94	34.657	
4,575.0	4,563.2	4,450.2	4,408.7	10.8	13.1	92.27	82.9	623.6	799.8	776.7	23.08	34.657	
4,600.0	4,588.2	4,474.7	4,432.7	10.8	13.2	92.19	83.8	628.4	804.7	781.5	23.22	34.657	
4,625.0	4,613.2	4,499.2	4,456.7	10.8	13.3	92.11	84.8	633.2	809.5	786.2	23.36	34.657	
4,650.0	4,638.2	4,523.7	4,480.7	10.8	13.4	92.03	85.7	638.0	814.4	790.9	23.50	34.655	
4,675.0	4,663.2	4,548.2	4,504.7	10.8	13.5	91.95	86.6	642.7	819.3	795.6	23.64	34.653	
4,700.0	4,688.2	4,572.7	4,528.7	10.9	13.7	91.88	87.5	647.5	824.1	800.4	23.78	34.651	
4,725.0	4,713.2	4,597.2	4,552.7	10.9	13.8	91.80	88.5	652.3	829.0	805.1	23.93	34.649	
4,750.0	4,738.2	4,621.7	4,576.7	10.9	13.9	91.72	89.4	657.1	833.9	809.8	24.07	34.646	
4,775.0	4,763.2	4,646.2	4,600.7	10.9	14.0	91.65	90.3	661.9	838.7	814.5	24.21	34.642	
4,800.0	4,788.2	4,670.7	4,624.7	10.9	14.1	91.58	91.2	666.7	843.6	819.3	24.35	34.639	
4,825.0	4,813.2	4,695.2	4,648.7	11.0	14.2	91.50	92.2	671.5	848.5	824.0	24.50	34.634	
4,850.0	4,838.2	4,719.7	4,672.7	11.0	14.3	91.43	93.1	676.3	853.4	828.7	24.64	34.630	
4,875.0	4,863.2	4,744.1	4,696.7	11.0	14.4	91.36	94.0	681.1	858.2	833.4	24.79	34.625	
4,900.0	4,888.2	4,768.6	4,720.8	11.0	14.5	91.29	94.9	685.9	863.1	838.2	24.93	34.619	
4,925.0	4,913.2	4,793.1	4,744.8	11.0	14.6	91.22	95.9	690.7	868.0	842.9	25.08	34.614	
4,950.0	4,938.2	4,817.6	4,768.8	11.1	14.8	91.15	96.8	695.5	872.9	847.6	25.22	34.613	
4,975.0	4,963.2	4,842.1	4,792.8	11.1	14.9	91.08	97.7	700.3	877.7	852.4	25.36	34.613	
5,000.0	4,988.2	4,866.6	4,816.8	11.1	15.0	91.02	98.6	705.1	882.6	857.1	25.50	34.612	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,025.0	5,013.2	4,894.2	4,843.8	11.1	15.1	90.94	99.7	710.5	887.5	861.8	25.66	34.590	
5,050.0	5,038.2	4,923.1	4,872.2	11.1	15.2	90.87	100.7	715.9	892.2	866.4	25.83	34.543	
5,075.0	5,063.2	4,952.1	4,900.6	11.2	15.3	90.80	101.8	721.3	896.8	870.8	26.00	34.489	
5,100.0	5,088.2	4,981.1	4,929.2	11.2	15.5	90.73	102.8	726.5	901.3	875.1	26.18	34.430	
5,125.0	5,113.2	5,010.2	4,957.8	11.2	15.6	90.66	103.8	731.6	905.7	879.3	26.35	34.370	
5,150.0	5,138.2	5,039.4	4,986.5	11.2	15.7	90.59	104.7	736.6	909.9	883.4	26.52	34.309	
5,175.0	5,163.2	5,068.6	5,015.3	11.2	15.9	90.53	105.6	741.4	914.1	887.4	26.69	34.244	
5,200.0	5,188.2	5,097.8	5,044.1	11.3	16.0	90.47	106.5	746.1	918.1	891.2	26.86	34.176	
5,225.0	5,213.2	5,127.1	5,073.1	11.3	16.1	90.41	107.4	750.7	922.0	894.9	27.03	34.108	
5,250.0	5,238.2	5,156.5	5,102.1	11.3	16.2	90.36	108.3	755.1	925.7	898.5	27.20	34.037	
5,275.0	5,263.2	5,185.9	5,131.1	11.3	16.4	90.30	109.1	759.4	929.4	902.0	27.36	33.962	
5,300.0	5,288.2	5,215.3	5,160.3	11.3	16.5	90.25	109.9	763.5	932.9	905.4	27.53	33.887	
5,325.0	5,313.2	5,244.8	5,189.5	11.4	16.6	90.21	110.7	767.5	936.3	908.6	27.69	33.810	
5,350.0	5,338.2	5,274.3	5,218.7	11.4	16.7	90.16	111.4	771.4	939.5	911.7	27.85	33.731	
5,375.0	5,363.2	5,303.9	5,248.1	11.4	16.9	90.11	112.1	775.1	942.7	914.7	28.02	33.647	
5,400.0	5,388.2	5,333.5	5,277.4	11.4	17.0	90.07	112.8	778.7	945.7	917.5	28.17	33.567	
5,425.0	5,413.2	5,363.1	5,306.9	11.4	17.1	90.03	113.5	782.1	948.6	920.3	28.33	33.483	
5,450.0	5,438.2	5,392.8	5,336.3	11.4	17.2	89.99	114.1	785.4	951.3	922.9	28.49	33.395	
5,475.0	5,463.2	5,422.5	5,365.9	11.5	17.3	89.96	114.7	788.5	954.0	925.3	28.64	33.309	
5,500.0	5,488.2	5,452.2	5,395.5	11.5	17.5	89.92	115.3	791.5	956.5	927.7	28.79	33.221	
5,525.0	5,513.2	5,482.0	5,425.1	11.5	17.6	89.89	115.8	794.3	958.9	929.9	28.94	33.130	
5,550.0	5,538.2	5,511.8	5,454.8	11.5	17.7	89.86	116.4	797.0	961.1	932.0	29.09	33.039	
5,575.0	5,563.2	5,541.6	5,484.5	11.5	17.8	89.83	116.9	799.6	963.3	934.0	29.24	32.948	
5,600.0	5,588.2	5,571.5	5,514.2	11.6	17.9	89.80	117.3	802.0	965.3	935.9	29.38	32.855	
5,625.0	5,613.2	5,601.4	5,544.0	11.6	18.0	89.78	117.7	804.2	967.1	937.6	29.52	32.759	
5,650.0	5,638.2	5,631.3	5,573.9	11.6	18.1	89.75	118.2	806.3	968.9	939.2	29.66	32.667	
5,675.0	5,663.2	5,661.2	5,603.7	11.6	18.2	89.73	118.5	808.2	970.5	940.7	29.80	32.572	
5,700.0	5,688.2	5,691.1	5,633.6	11.6	18.3	89.71	118.9	810.0	972.0	942.1	29.93	32.475	
5,725.0	5,713.2	5,721.1	5,663.5	11.7	18.5	89.69	119.2	811.6	973.4	943.3	30.06	32.381	
5,750.0	5,738.2	5,751.1	5,693.5	11.7	18.6	89.68	119.5	813.1	974.6	944.4	30.19	32.287	
5,775.0	5,763.2	5,781.1	5,723.4	11.7	18.7	89.66	119.7	814.4	975.7	945.4	30.31	32.190	
5,800.0	5,788.2	5,811.1	5,753.4	11.7	18.8	89.65	119.9	815.6	976.7	946.2	30.43	32.094	
5,825.0	5,813.2	5,841.1	5,783.4	11.7	18.8	89.64	120.1	816.6	977.5	947.0	30.54	32.003	
5,850.0	5,838.2	5,871.1	5,813.4	11.8	18.9	89.63	120.3	817.5	978.3	947.6	30.66	31.910	
5,875.0	5,863.2	5,901.1	5,843.4	11.8	19.0	89.62	120.5	818.2	978.8	948.1	30.77	31.813	
5,900.0	5,888.2	5,931.2	5,873.5	11.8	19.1	89.62	120.6	818.8	979.3	948.4	30.86	31.736	
5,925.0	5,913.2	5,961.2	5,903.5	11.8	19.2	89.61	120.6	819.2	979.6	948.7	30.95	31.655	
5,950.0	5,938.2	5,991.3	5,933.6	11.8	19.2	89.61	120.7	819.4	979.8	948.8	31.04	31.570	
5,975.0	5,963.2	6,021.3	5,963.6	11.9	19.3	89.61	120.7	819.5	979.9	948.8	31.09	31.522	
6,000.0	5,988.2	6,046.8	5,989.1	11.9	19.3	89.61	120.7	819.5	979.9	948.8	31.11	31.497	
6,025.0	6,013.2	6,071.8	6,014.1	11.9	19.3	89.61	120.7	819.5	979.9	948.8	31.14	31.473	
6,050.0	6,038.2	6,096.8	6,039.1	11.9	19.3	89.61	120.7	819.5	979.9	948.8	31.16	31.448	
6,075.0	6,063.2	6,121.8	6,064.1	11.9	19.3	89.61	120.7	819.5	979.9	948.7	31.19	31.421	
6,100.0	6,088.2	6,146.8	6,089.1	12.0	19.3	89.61	120.7	819.5	979.9	948.7	31.21	31.394	
6,125.0	6,113.2	6,171.8	6,114.1	12.0	19.3	89.61	120.7	819.5	979.9	948.7	31.24	31.366	
6,150.0	6,138.2	6,196.8	6,139.1	12.0	19.4	89.61	120.7	819.5	979.9	948.7	31.27	31.339	
6,175.0	6,163.2	6,221.8	6,164.1	12.0	19.4	89.61	120.7	819.5	979.9	948.6	31.30	31.312	
6,200.0	6,188.2	6,246.8	6,189.1	12.0	19.4	89.61	120.7	819.5	979.9	948.6	31.32	31.284	
6,225.0	6,213.2	6,271.8	6,214.1	12.1	19.4	89.61	120.7	819.5	979.9	948.6	31.35	31.257	
6,250.0	6,238.2	6,296.8	6,239.1	12.1	19.4	89.61	120.7	819.5	979.9	948.5	31.38	31.230	
6,275.0	6,263.2	6,321.8	6,264.1	12.1	19.4	89.61	120.7	819.5	979.9	948.5	31.41	31.202	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,288.2	6,346.8	6,289.1	12.1	19.4	89.61	120.7	819.5	979.9	948.5	31.43	31.175	
6,325.0	6,313.2	6,371.8	6,314.1	12.1	19.4	89.61	120.7	819.5	979.9	948.5	31.46	31.148	
6,350.0	6,338.2	6,396.8	6,339.1	12.2	19.4	89.61	120.7	819.5	979.9	948.4	31.49	31.121	
6,375.0	6,363.2	6,421.8	6,364.1	12.2	19.4	89.61	120.7	819.5	979.9	948.4	31.52	31.094	
6,400.0	6,388.2	6,446.8	6,389.1	12.2	19.5	89.61	120.7	819.5	979.9	948.4	31.54	31.066	
6,425.0	6,413.2	6,471.8	6,414.1	12.2	19.5	89.61	120.7	819.5	979.9	948.4	31.57	31.039	
6,450.0	6,438.2	6,496.8	6,439.1	12.2	19.5	89.61	120.7	819.5	979.9	948.3	31.60	31.012	
6,475.0	6,463.2	6,521.8	6,464.1	12.3	19.5	89.61	120.7	819.5	979.9	948.3	31.63	30.985	
6,500.0	6,488.2	6,546.8	6,489.1	12.3	19.5	89.61	120.7	819.5	979.9	948.3	31.65	30.958	
6,525.0	6,513.2	6,571.8	6,514.1	12.3	19.5	89.61	120.7	819.5	979.9	948.2	31.68	30.931	
6,550.0	6,538.2	6,596.8	6,539.1	12.3	19.5	89.61	120.7	819.5	979.9	948.2	31.71	30.904	
6,575.0	6,563.2	6,621.8	6,564.1	12.3	19.5	89.61	120.7	819.5	979.9	948.2	31.74	30.877	
6,600.0	6,588.2	6,646.8	6,589.1	12.4	19.5	89.61	120.7	819.5	979.9	948.2	31.76	30.850	
6,625.0	6,613.2	6,671.8	6,614.1	12.4	19.6	89.61	120.7	819.5	979.9	948.1	31.79	30.823	
6,650.0	6,638.2	6,696.8	6,639.1	12.4	19.6	89.61	120.7	819.5	979.9	948.1	31.82	30.796	
6,675.0	6,663.2	6,721.8	6,664.1	12.4	19.6	89.61	120.7	819.5	979.9	948.1	31.85	30.769	
6,700.0	6,688.2	6,746.8	6,689.1	12.4	19.6	89.61	120.7	819.5	979.9	948.0	31.88	30.742	
6,725.0	6,713.2	6,771.8	6,714.1	12.5	19.6	89.61	120.7	819.5	979.9	948.0	31.90	30.715	
6,750.0	6,738.2	6,796.8	6,739.1	12.5	19.6	89.61	120.7	819.5	979.9	948.0	31.93	30.688	
6,775.0	6,763.2	6,821.8	6,764.1	12.5	19.6	89.61	120.7	819.5	979.9	948.0	31.96	30.661	
6,800.0	6,788.2	6,846.8	6,789.1	12.5	19.6	89.61	120.7	819.5	979.9	947.9	31.99	30.635	
6,825.0	6,813.2	6,871.8	6,814.1	12.5	19.6	89.61	120.7	819.5	979.9	947.9	32.02	30.608	
6,850.0	6,838.2	6,896.8	6,839.1	12.6	19.6	89.61	120.7	819.5	979.9	947.9	32.04	30.581	
6,875.0	6,863.2	6,921.8	6,864.1	12.6	19.7	89.61	120.7	819.5	979.9	947.9	32.07	30.554	
6,900.0	6,888.2	6,946.8	6,889.1	12.6	19.7	89.61	120.7	819.5	979.9	947.8	32.10	30.528	
6,925.0	6,913.2	6,971.8	6,914.1	12.6	19.7	89.61	120.7	819.5	979.9	947.8	32.13	30.501	
6,950.0	6,938.2	6,996.8	6,939.1	12.6	19.7	89.61	120.7	819.5	979.9	947.8	32.16	30.474	
6,975.0	6,963.2	7,021.8	6,964.1	12.7	19.7	89.61	120.7	819.5	979.9	947.7	32.18	30.447	
7,000.0	6,988.2	7,046.8	6,989.1	12.7	19.7	89.61	120.7	819.5	979.9	947.7	32.21	30.421	
7,025.0	7,013.2	7,071.8	7,014.1	12.7	19.7	89.61	120.7	819.5	979.9	947.7	32.24	30.394	
7,050.0	7,038.2	7,096.8	7,039.1	12.7	19.7	89.61	120.7	819.5	979.9	947.7	32.27	30.368	
7,075.0	7,063.2	7,121.8	7,064.1	12.7	19.7	89.61	120.7	819.5	979.9	947.6	32.30	30.341	
7,100.0	7,088.2	7,146.8	7,089.1	12.8	19.8	89.61	120.7	819.5	979.9	947.6	32.33	30.314	
7,125.0	7,113.2	7,171.8	7,114.1	12.8	19.8	89.61	120.7	819.5	979.9	947.6	32.35	30.288	
7,150.0	7,138.2	7,196.8	7,139.1	12.8	19.8	89.61	120.7	819.5	979.9	947.5	32.38	30.261	
7,175.0	7,163.2	7,221.8	7,164.1	12.8	19.8	89.61	120.7	819.5	979.9	947.5	32.41	30.235	
7,200.0	7,188.2	7,246.8	7,189.1	12.8	19.8	89.61	120.7	819.5	979.9	947.5	32.44	30.208	
7,225.0	7,213.2	7,271.8	7,214.1	12.9	19.8	89.61	120.7	819.5	979.9	947.5	32.47	30.182	
7,250.0	7,238.2	7,296.8	7,239.1	12.9	19.8	89.61	120.7	819.5	979.9	947.4	32.50	30.155	
7,275.0	7,263.2	7,321.8	7,264.1	12.9	19.8	89.61	120.7	819.5	979.9	947.4	32.52	30.129	
7,300.0	7,288.2	7,346.8	7,289.1	12.9	19.8	89.61	120.7	819.5	979.9	947.4	32.55	30.103	
7,325.0	7,313.2	7,371.8	7,314.1	12.9	19.9	89.61	120.7	819.5	979.9	947.3	32.58	30.076	
7,350.0	7,338.2	7,396.8	7,339.1	13.0	19.9	89.61	120.7	819.5	979.9	947.3	32.61	30.050	
7,375.0	7,363.2	7,421.8	7,364.1	13.0	19.9	89.61	120.7	819.5	979.9	947.3	32.64	30.024	
7,400.0	7,388.2	7,446.8	7,389.1	13.0	19.9	89.61	120.7	819.5	979.9	947.3	32.67	29.997	
7,425.0	7,413.2	7,471.8	7,414.1	13.0	19.9	89.61	120.7	819.5	979.9	947.2	32.70	29.971	
7,450.0	7,438.2	7,496.8	7,439.1	13.0	19.9	89.61	120.7	819.5	979.9	947.2	32.72	29.945	
7,475.0	7,463.2	7,521.8	7,464.1	13.0	19.9	89.61	120.7	819.5	979.9	947.2	32.75	29.919	
7,500.0	7,488.2	7,546.8	7,489.1	13.1	19.9	89.61	120.7	819.5	979.9	947.1	32.78	29.892	
7,525.0	7,513.2	7,571.8	7,514.1	13.1	19.9	89.61	120.7	819.5	979.9	947.1	32.81	29.866	
7,550.0	7,538.2	7,596.8	7,539.1	13.1	19.9	89.61	120.7	819.5	979.9	947.1	32.84	29.840	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,563.2	7,621.8	7,564.1	13.1	20.0	89.61	120.7	819.5	979.9	947.1	32.87	29.814	
7,600.0	7,588.2	7,646.8	7,589.1	13.1	20.0	89.61	120.7	819.5	979.9	947.0	32.90	29.788	
7,625.0	7,613.2	7,671.8	7,614.1	13.2	20.0	89.61	120.7	819.5	979.9	947.0	32.93	29.762	
7,650.0	7,638.2	7,696.8	7,639.1	13.2	20.0	89.61	120.7	819.5	979.9	947.0	32.95	29.736	
7,675.0	7,663.2	7,721.8	7,664.1	13.2	20.0	89.61	120.7	819.5	979.9	946.9	32.98	29.710	
7,700.0	7,688.2	7,746.8	7,689.1	13.2	20.0	89.61	120.7	819.5	979.9	946.9	33.01	29.684	
7,725.0	7,713.2	7,771.8	7,714.1	13.2	20.0	89.61	120.7	819.5	979.9	946.9	33.04	29.658	
7,750.0	7,738.2	7,796.8	7,739.1	13.3	20.0	89.61	120.7	819.5	979.9	946.9	33.07	29.632	
7,775.0	7,763.2	7,821.8	7,764.1	13.3	20.1	89.61	120.7	819.5	979.9	946.8	33.10	29.606	
7,800.0	7,788.2	7,846.8	7,789.1	13.3	20.1	89.61	120.7	819.5	979.9	946.8	33.13	29.580	
7,825.0	7,813.2	7,871.8	7,814.1	13.3	20.1	89.61	120.7	819.5	979.9	946.8	33.16	29.554	
7,850.0	7,838.2	7,896.8	7,839.1	13.3	20.1	89.61	120.7	819.5	979.9	946.7	33.19	29.528	
7,875.0	7,863.2	7,921.8	7,864.1	13.4	20.1	89.61	120.7	819.5	979.9	946.7	33.22	29.502	
7,900.0	7,888.2	7,946.8	7,889.1	13.4	20.1	89.61	120.7	819.5	979.9	946.7	33.24	29.477	
7,925.0	7,913.2	7,971.8	7,914.1	13.4	20.1	89.61	120.7	819.5	979.9	946.6	33.27	29.451	
7,950.0	7,938.2	7,996.8	7,939.1	13.4	20.1	89.61	120.7	819.5	979.9	946.6	33.30	29.425	
7,975.0	7,963.2	8,021.8	7,964.1	13.4	20.1	89.61	120.7	819.5	979.9	946.6	33.33	29.399	
8,000.0	7,988.2	8,046.8	7,989.1	13.5	20.2	89.61	120.7	819.5	979.9	946.6	33.36	29.374	
8,025.0	8,013.2	8,071.8	8,014.1	13.5	20.2	89.61	120.7	819.5	979.9	946.5	33.39	29.348	
8,050.0	8,038.2	8,096.8	8,039.1	13.5	20.2	89.61	120.7	819.5	979.9	946.5	33.42	29.322	
8,075.0	8,063.2	8,121.8	8,064.1	13.5	20.2	89.61	120.7	819.5	979.9	946.5	33.45	29.297	
8,100.0	8,088.2	8,146.8	8,089.1	13.5	20.2	89.61	120.7	819.5	979.9	946.4	33.48	29.271	
8,125.0	8,113.2	8,171.8	8,114.1	13.6	20.2	89.61	120.7	819.5	979.9	946.4	33.51	29.245	
8,150.0	8,138.2	8,196.8	8,139.1	13.6	20.2	89.61	120.7	819.5	979.9	946.4	33.54	29.220	
8,175.0	8,163.2	8,221.8	8,164.1	13.6	20.2	89.61	120.7	819.5	979.9	946.4	33.57	29.194	
8,200.0	8,188.2	8,246.8	8,189.1	13.6	20.2	89.61	120.7	819.5	979.9	946.3	33.60	29.169	
8,225.0	8,213.2	8,271.8	8,214.1	13.6	20.3	89.61	120.7	819.5	979.9	946.3	33.62	29.143	
8,250.0	8,238.2	8,296.8	8,239.1	13.7	20.3	89.61	120.7	819.5	979.9	946.3	33.65	29.118	
8,275.0	8,263.2	8,321.8	8,264.1	13.7	20.3	89.61	120.7	819.5	979.9	946.2	33.68	29.092	
8,300.0	8,288.2	8,346.8	8,289.1	13.7	20.3	89.61	120.7	819.5	979.9	946.2	33.71	29.067	
8,325.0	8,313.2	8,371.8	8,314.1	13.7	20.3	89.61	120.7	819.5	979.9	946.2	33.74	29.041	
8,350.0	8,338.2	8,396.8	8,339.1	13.7	20.3	89.61	120.7	819.5	979.9	946.2	33.77	29.016	
8,375.0	8,363.2	8,421.8	8,364.1	13.8	20.3	89.61	120.7	819.5	979.9	946.1	33.80	28.991	
8,400.0	8,388.2	8,446.8	8,389.1	13.8	20.3	89.61	120.7	819.5	979.9	946.1	33.83	28.965	
8,425.0	8,413.2	8,471.8	8,414.1	13.8	20.3	89.61	120.7	819.5	979.9	946.1	33.86	28.940	
8,450.0	8,438.2	8,496.8	8,439.1	13.8	20.4	89.61	120.7	819.5	979.9	946.0	33.89	28.915	
8,475.0	8,463.2	8,521.8	8,464.1	13.8	20.4	89.61	120.7	819.5	979.9	946.0	33.92	28.890	
8,500.0	8,488.2	8,546.8	8,489.1	13.9	20.4	89.61	120.7	819.5	979.9	946.0	33.95	28.864	
8,525.0	8,513.2	8,571.8	8,514.1	13.9	20.4	89.61	120.7	819.5	979.9	945.9	33.98	28.839	
8,550.0	8,538.2	8,596.8	8,539.1	13.9	20.4	89.61	120.7	819.5	979.9	945.9	34.01	28.814	
8,575.0	8,563.2	8,621.8	8,564.1	13.9	20.4	89.61	120.7	819.5	979.9	945.9	34.04	28.789	
8,600.0	8,588.2	8,646.8	8,589.1	13.9	20.4	89.61	120.7	819.5	979.9	945.9	34.07	28.764	
8,625.0	8,613.2	8,671.8	8,614.1	14.0	20.4	89.61	120.7	819.5	979.9	945.8	34.10	28.739	
8,650.0	8,638.2	8,696.8	8,639.1	14.0	20.5	89.61	120.7	819.5	979.9	945.8	34.13	28.714	
8,675.0	8,663.2	8,721.8	8,664.1	14.0	20.5	89.61	120.7	819.5	979.9	945.8	34.16	28.689	
8,700.0	8,688.2	8,746.8	8,689.1	14.0	20.5	89.61	120.7	819.5	979.9	945.7	34.19	28.663	
8,725.0	8,713.2	8,771.8	8,714.1	14.0	20.5	89.61	120.7	819.5	979.9	945.7	34.22	28.639	
8,750.0	8,738.2	8,796.8	8,739.1	14.1	20.5	89.61	120.7	819.5	979.9	945.7	34.25	28.614	
8,775.0	8,763.2	8,821.8	8,764.1	14.1	20.5	89.61	120.7	819.5	979.9	945.6	34.28	28.589	
8,800.0	8,788.2	8,846.8	8,789.1	14.1	20.5	89.61	120.7	819.5	979.9	945.6	34.31	28.564	
8,825.0	8,813.2	8,871.8	8,814.1	14.1	20.5	89.61	120.7	819.5	979.9	945.6	34.34	28.539	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9179-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,838.2	8,896.8	8,839.1	14.1	20.5	89.61	120.7	819.5	979.9	945.6	34.37	28.514	
8,875.0	8,863.2	8,921.8	8,864.1	14.2	20.6	89.61	120.7	819.5	979.9	945.5	34.40	28.489	
8,900.0	8,888.2	8,946.8	8,889.1	14.2	20.6	89.61	120.7	819.5	979.9	945.5	34.43	28.464	
8,925.0	8,913.2	8,971.8	8,914.1	14.2	20.6	89.61	120.7	819.5	979.9	945.5	34.46	28.439	
8,950.0	8,938.2	8,996.8	8,939.1	14.2	20.6	89.61	120.7	819.5	979.9	945.4	34.49	28.415	
8,975.0	8,963.2	9,021.8	8,964.1	14.2	20.6	89.61	120.7	819.5	979.9	945.4	34.52	28.390	
9,000.0	8,988.2	9,046.8	8,989.1	14.3	20.6	89.61	120.7	819.5	979.9	945.4	34.55	28.365	
9,025.0	9,013.2	9,071.8	9,014.1	14.3	20.6	89.61	120.7	819.5	979.9	945.3	34.58	28.341	
9,050.0	9,038.2	9,096.8	9,039.1	14.3	20.6	89.61	120.7	819.5	979.9	945.3	34.61	28.316	
9,075.0	9,063.2	9,121.8	9,064.1	14.3	20.6	89.61	120.7	819.5	979.9	945.3	34.63	28.293	
9,100.0	9,088.2	9,146.8	9,089.1	14.3	20.7	89.61	120.7	819.5	979.9	945.3	34.66	28.271	
9,125.0	9,113.2	9,171.8	9,114.1	14.4	20.7	89.61	120.7	819.5	979.9	945.2	34.69	28.249	
9,150.0	9,138.2	9,196.6	9,138.9	14.4	20.7	89.59	121.0	819.5	979.9	945.2	34.71	28.230	
9,175.0	9,163.2	9,221.2	9,163.4	14.4	20.7	89.50	122.5	819.5	979.9	945.2	34.73	28.212	
9,200.0	9,188.2	9,245.6	9,187.7	14.4	20.7	89.34	125.3	819.5	980.0	945.2	34.76	28.193	
9,225.0	9,213.2	9,269.6	9,211.4	14.4	20.7	89.11	129.2	819.5	980.0	945.2	34.79	28.172	
9,250.0	9,238.2	9,293.2	9,234.4	14.5	20.7	88.82	134.2	819.5	980.1	945.3	34.82	28.150	
9,275.0	9,263.2	9,316.3	9,256.7	14.5	20.7	88.47	140.2	819.5	980.3	945.4	34.85	28.128	
9,300.0	9,288.2	9,338.7	9,278.0	14.5	20.7	88.07	147.1	819.5	980.5	945.6	34.89	28.105	
9,325.0	9,313.2	9,360.4	9,298.3	14.5	20.7	87.63	154.6	819.5	980.8	945.9	34.92	28.084	
9,350.0	9,338.2	9,381.3	9,317.6	14.5	20.7	87.15	162.8	819.5	981.3	946.3	34.97	28.064	
9,375.0	9,363.2	9,401.5	9,335.8	14.6	20.7	86.64	171.5	819.4	981.9	946.9	35.01	28.048	
9,400.0	9,388.2	9,420.8	9,352.9	14.6	20.7	86.12	180.5	819.4	982.8	947.7	35.05	28.035	
9,425.0	9,413.2	9,439.3	9,368.9	14.6	20.7	85.58	189.8	819.4	983.8	948.7	35.10	28.026	
9,450.0	9,438.2	9,456.9	9,383.8	14.6	20.7	85.03	199.2	819.4	985.1	949.9	35.15	28.024	
9,475.0	9,463.2	9,475.0	9,398.7	14.6	20.7	84.44	209.4	819.4	986.6	951.4	35.20	28.029	
9,500.0	9,488.2	9,489.8	9,410.7	14.7	20.7	83.93	218.2	819.4	988.4	953.2	35.25	28.039	
9,525.0	9,513.2	9,505.1	9,422.7	14.7	20.7	83.38	227.6	819.4	990.6	955.3	35.30	28.058	
9,550.0	9,538.2	9,519.6	9,433.8	14.7	20.7	82.85	237.0	819.4	993.0	957.7	35.36	28.086	
9,575.0	9,563.2	9,533.4	9,444.1	14.7	20.7	82.32	246.1	819.4	995.9	960.5	35.41	28.122	
9,600.0	9,588.2	9,550.0	9,456.1	14.7	20.7	81.66	257.5	819.3	999.1	963.6	35.46	28.175	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	95.37	-18.8	200.1	201.0				
25.0	25.0	25.9	25.9	0.5	0.1	95.37	-18.8	200.1	201.0				
50.0	50.0	50.9	50.9	0.5	0.3	95.37	-18.8	200.1	201.0	199.7	1.28	157.368	
75.0	75.0	75.9	75.9	0.5	0.4	95.37	-18.8	200.1	201.0	199.6	1.37	146.492	
100.0	100.0	100.9	100.9	0.5	0.5	95.37	-18.8	200.1	201.0	199.5	1.49	134.948	
125.0	125.0	125.9	125.9	0.6	0.6	95.37	-18.8	200.1	201.0	199.2	1.74	115.832	
150.0	150.0	150.9	150.9	0.8	0.8	95.37	-18.8	200.1	201.0	199.0	1.98	101.459	
175.0	175.0	175.9	175.9	0.9	0.9	95.37	-18.8	200.1	201.0	198.8	2.23	90.259	
200.0	200.0	200.9	200.9	1.0	1.0	95.37	-18.8	200.1	201.0	198.5	2.47	81.338	
225.0	225.0	225.9	225.9	1.1	1.1	95.37	-18.8	200.1	201.0	198.4	2.63	76.405	
250.0	250.0	250.9	250.9	1.2	1.2	95.37	-18.8	200.1	201.0	198.2	2.79	72.037	
275.0	275.0	275.9	275.9	1.3	1.3	95.37	-18.8	200.1	201.0	198.0	2.95	68.141	
300.0	300.0	300.9	300.9	1.4	1.4	95.37	-18.8	200.1	201.0	197.9	3.11	64.657	
325.0	325.0	325.9	325.9	1.4	1.4	95.37	-18.8	200.1	201.0	197.7	3.24	62.105	
350.0	350.0	350.9	350.9	1.5	1.5	95.37	-18.8	200.1	201.0	197.6	3.36	59.746	
375.0	375.0	375.9	375.9	1.6	1.6	95.37	-18.8	200.1	201.0	197.5	3.49	57.560	
400.0	400.0	400.9	400.9	1.6	1.6	95.37	-18.8	200.1	201.0	197.4	3.62	55.533	
425.0	425.0	425.9	425.9	1.7	1.7	95.37	-18.8	200.1	201.0	197.3	3.73	53.899	
450.0	450.0	450.9	450.9	1.8	1.8	95.37	-18.8	200.1	201.0	197.1	3.84	52.359	
475.0	475.0	475.9	475.9	1.8	1.8	95.37	-18.8	200.1	201.0	197.0	3.95	50.904	
500.0	500.0	500.9	500.9	1.9	1.9	95.37	-18.8	200.1	201.0	196.9	4.06	49.530	
525.0	525.0	525.9	525.9	1.9	1.9	95.37	-18.8	200.1	201.0	196.8	4.16	48.366	
550.0	550.0	550.9	550.9	2.0	2.0	95.37	-18.8	200.1	201.0	196.7	4.25	47.255	
575.0	575.0	575.9	575.9	2.1	2.1	95.37	-18.8	200.1	201.0	196.6	4.35	46.194	
600.0	600.0	600.9	600.9	2.1	2.1	95.37	-18.8	200.1	201.0	196.5	4.45	45.181	
625.0	625.0	625.9	625.9	2.2	2.2	95.37	-18.8	200.1	201.0	196.4	4.54	44.296	
650.0	650.0	650.9	650.9	2.2	2.2	95.37	-18.8	200.1	201.0	196.4	4.63	43.445	
675.0	675.0	675.9	675.9	2.3	2.3	95.37	-18.8	200.1	201.0	196.3	4.72	42.626	
700.0	700.0	700.9	700.9	2.3	2.3	95.37	-18.8	200.1	201.0	196.2	4.80	41.838	
725.0	725.0	725.9	725.9	2.4	2.4	95.37	-18.8	200.1	201.0	196.1	4.89	41.134	
750.0	750.0	750.9	750.9	2.4	2.4	95.37	-18.8	200.1	201.0	196.0	4.97	40.454	
775.0	775.0	775.9	775.9	2.5	2.5	95.37	-18.8	200.1	201.0	195.9	5.05	39.796	
800.0	800.0	800.9	800.9	2.5	2.5	95.37	-18.8	200.1	201.0	195.8	5.13	39.160	
825.0	825.0	825.9	825.9	2.6	2.6	95.37	-18.8	200.1	201.0	195.8	5.21	38.583	
850.0	850.0	850.9	850.9	2.6	2.6	95.37	-18.8	200.1	201.0	195.7	5.29	38.023	
875.0	875.0	875.9	875.9	2.6	2.6	95.37	-18.8	200.1	201.0	195.6	5.36	37.478	
900.0	900.0	900.9	900.9	2.7	2.7	95.37	-18.8	200.1	201.0	195.5	5.44	36.950	
925.0	925.0	925.9	925.9	2.7	2.7	95.37	-18.8	200.1	201.0	195.5	5.51	36.466	
950.0	950.0	950.9	950.9	2.8	2.8	95.37	-18.8	200.1	201.0	195.4	5.58	35.994	
975.0	975.0	975.9	975.9	2.8	2.8	95.37	-18.8	200.1	201.0	195.3	5.66	35.534	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	95.37	-18.8	200.1	201.0	195.3	5.73	35.086	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	95.37	-18.8	200.1	201.0	195.2	5.80	34.671	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	95.37	-18.8	200.1	201.0	195.1	5.87	34.266	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	95.37	-18.8	200.1	201.0	195.0	5.93	33.870	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	95.37	-18.8	200.1	201.0	195.0	6.00	33.484	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	95.37	-18.8	200.1	201.0	194.9	6.07	33.123	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	95.37	-18.8	200.1	201.0	194.8	6.13	32.771	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	95.37	-18.8	200.1	201.0	194.8	6.20	32.426	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	95.37	-18.8	200.1	201.0	194.7	6.26	32.088	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	95.37	-18.8	200.1	201.0	194.7	6.33	31.771	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	95.37	-18.8	200.1	201.0	194.6	6.39	31.460	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	95.37	-18.8	200.1	201.0	194.5	6.45	31.155	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	95.37	-18.8	200.1	201.0	194.5	6.51	30.857	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	95.37	-18.8	200.1	201.0	194.4	6.57	30.575	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	95.37	-18.8	200.1	201.0	194.3	6.63	30.298	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	95.37	-18.8	200.1	201.0	194.3	6.69	30.026	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	95.37	-18.8	200.1	201.0	194.2	6.75	29.760	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	95.37	-18.8	200.1	201.0	194.2	6.81	29.507	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	95.37	-18.8	200.1	201.0	194.1	6.87	29.259	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	95.37	-18.8	200.1	201.0	194.1	6.93	29.015	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	95.37	-18.8	200.1	201.0	194.0	6.98	28.774	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	95.37	-18.8	200.1	201.0	193.9	7.04	28.546	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	95.37	-18.8	200.1	201.0	193.9	7.10	28.322	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	95.37	-18.8	200.1	201.0	193.8	7.15	28.100	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	95.37	-18.8	200.1	201.0	193.8	7.21	27.883	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	95.37	-18.8	200.1	201.0	193.7	7.26	27.675	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	95.37	-18.8	200.1	201.0	193.7	7.32	27.471	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	95.37	-18.8	200.1	201.0	193.6	7.37	27.269	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	95.37	-18.8	200.1	201.0	193.6	7.42	27.071	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	95.37	-18.8	200.1	201.0	193.5	7.48	26.881	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	95.37	-18.8	200.1	201.0	193.5	7.53	26.693	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	95.37	-18.8	200.1	201.0	193.4	7.58	26.509	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	95.37	-18.8	200.1	201.0	193.3	7.63	26.327	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	95.37	-18.8	200.1	201.0	193.3	7.69	26.152	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	95.37	-18.8	200.1	201.0	193.2	7.74	25.980	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	95.37	-18.8	200.1	201.0	193.2	7.79	25.810	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	95.37	-18.8	200.1	201.0	193.1	7.84	25.642	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	95.37	-18.8	200.1	201.0	193.1	7.89	25.481	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	95.37	-18.8	200.1	201.0	193.0	7.94	25.321	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	95.37	-18.8	200.1	201.0	193.0	7.99	25.164	
2,000.0	2,000.0	2,000.9	2,000.9	4.4	4.4	95.37	-18.8	200.1	201.0	192.9	8.04	25.006 CC, ES	
2,025.0	2,025.0	2,025.9	2,025.9	4.4	4.5	149.98	-18.8	200.1	201.1	192.9	8.13	24.727	
2,050.0	2,050.0	2,050.9	2,050.9	4.5	4.5	150.02	-18.8	200.1	201.4	193.1	8.23	24.473	
2,075.0	2,075.0	2,075.9	2,075.9	4.5	4.6	150.10	-18.8	200.1	201.8	193.5	8.33	24.243	
2,100.0	2,100.0	2,100.9	2,100.9	4.6	4.6	150.20	-18.8	200.1	202.5	194.1	8.42	24.037	
2,125.0	2,125.0	2,125.9	2,125.9	4.6	4.7	150.33	-18.8	200.1	203.3	194.8	8.54	23.812	
2,150.0	2,149.9	2,150.8	2,150.8	4.7	4.7	150.48	-18.8	200.1	204.4	195.7	8.66	23.614	
2,175.0	2,174.9	2,175.8	2,175.8	4.7	4.7	150.66	-18.8	200.1	205.6	196.9	8.77	23.440	
2,200.0	2,199.8	2,200.8	2,200.8	4.8	4.8	150.87	-18.8	200.1	207.1	198.2	8.89	23.291	
2,225.0	2,224.8	2,226.6	2,226.6	4.8	4.8	151.08	-18.7	200.1	208.6	199.6	9.01	23.145	
2,250.0	2,249.7	2,252.4	2,252.4	4.9	4.9	151.27	-18.4	199.9	210.3	201.1	9.14	23.008	
2,275.0	2,274.6	2,278.3	2,278.3	5.0	5.0	151.42	-17.8	199.7	212.0	202.7	9.27	22.881	
2,300.0	2,299.5	2,304.1	2,304.1	5.0	5.0	151.54	-17.0	199.4	213.8	204.4	9.39	22.764	
2,325.0	2,324.3	2,330.0	2,330.0	5.1	5.1	151.63	-16.1	199.0	215.7	206.2	9.52	22.658	
2,350.0	2,349.1	2,355.9	2,355.8	5.2	5.2	151.70	-14.9	198.5	217.7	208.1	9.65	22.563	
2,375.0	2,373.9	2,381.8	2,381.6	5.2	5.2	151.74	-13.5	197.9	219.8	210.0	9.78	22.480	
2,400.1	2,398.8	2,407.7	2,407.6	5.3	5.3	151.75	-11.8	197.3	221.9	212.0	9.90	22.406	
2,425.0	2,423.5	2,433.6	2,433.3	5.4	5.4	151.74	-10.0	196.5	224.0	214.0	10.01	22.372	
2,450.0	2,448.2	2,459.5	2,459.1	5.4	5.4	151.68	-7.9	195.7	226.1	215.9	10.12	22.329	
2,475.0	2,473.0	2,485.4	2,484.9	5.5	5.5	151.57	-5.6	194.8	228.0	217.8	10.23	22.278	
2,500.0	2,497.7	2,511.3	2,510.7	5.6	5.6	151.41	-3.1	193.8	229.8	219.5	10.33	22.245	
2,525.0	2,522.5	2,537.3	2,536.5	5.6	5.6	151.20	-0.4	192.7	231.5	221.1	10.41	22.228	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,562.7	2,561.7	5.7	5.6	150.96	2.4	191.5	233.1	222.6	10.50	22.204	
2,575.0	2,572.0	2,587.6	2,586.5	5.7	5.7	150.71	5.2	190.4	234.7	224.1	10.58	22.179	
2,600.0	2,596.8	2,612.6	2,611.2	5.8	5.7	150.48	8.1	189.2	236.3	225.6	10.68	22.132	
2,625.0	2,621.5	2,637.5	2,636.0	5.9	5.8	150.24	10.9	188.1	237.9	227.1	10.79	22.058	
2,650.0	2,646.3	2,662.4	2,660.7	6.0	5.8	150.01	13.7	187.0	239.5	228.6	10.89	21.986	
2,675.0	2,671.0	2,687.3	2,685.4	6.0	5.9	149.78	16.5	185.8	241.1	230.1	11.00	21.916	
2,700.0	2,695.8	2,712.3	2,710.2	6.1	5.9	149.55	19.3	184.7	242.7	231.6	11.11	21.847	
2,725.0	2,720.5	2,737.2	2,734.9	6.2	6.0	149.33	22.2	183.5	244.3	233.1	11.22	21.775	
2,750.0	2,745.3	2,762.1	2,759.7	6.2	6.1	149.11	25.0	182.4	246.0	234.6	11.33	21.704	
2,775.0	2,770.1	2,787.1	2,784.4	6.3	6.1	148.89	27.8	181.3	247.6	236.2	11.44	21.636	
2,800.0	2,794.8	2,812.0	2,809.2	6.4	6.2	148.68	30.6	180.1	249.2	237.7	11.56	21.569	
2,825.0	2,819.6	2,836.9	2,833.9	6.5	6.3	148.46	33.4	179.0	250.9	239.2	11.67	21.499	
2,850.0	2,844.3	2,861.8	2,858.7	6.5	6.3	148.25	36.2	177.8	252.5	240.7	11.78	21.431	
2,875.0	2,869.1	2,886.8	2,883.4	6.6	6.4	148.05	39.1	176.7	254.1	242.2	11.90	21.365	
2,900.0	2,893.8	2,911.7	2,908.1	6.7	6.5	147.84	41.9	175.6	255.8	243.8	12.00	21.323	
2,925.0	2,918.6	2,936.2	2,932.4	6.8	6.5	147.66	44.6	174.5	257.5	245.3	12.12	21.249	
2,950.0	2,943.3	2,960.6	2,956.7	6.9	6.6	147.49	47.2	173.4	259.2	246.9	12.24	21.177	
2,975.0	2,968.1	2,985.1	2,981.0	7.0	6.7	147.35	49.8	172.4	260.9	248.6	12.36	21.111	
3,000.0	2,992.9	3,009.6	3,005.4	7.0	6.8	147.23	52.2	171.4	262.7	250.3	12.48	21.053	
3,025.0	3,017.6	3,034.0	3,029.7	7.1	6.8	147.13	54.5	170.5	264.6	252.0	12.60	21.003	
3,050.0	3,042.4	3,058.5	3,054.0	7.2	6.9	147.06	56.8	169.5	266.5	253.8	12.72	20.957	
3,075.0	3,067.1	3,082.9	3,078.4	7.3	7.0	147.01	58.9	168.7	268.4	255.6	12.84	20.914	
3,100.0	3,091.9	3,107.4	3,102.7	7.4	7.0	146.97	60.9	167.9	270.4	257.5	12.96	20.874	
3,125.0	3,116.6	3,131.8	3,127.0	7.5	7.1	146.96	62.9	167.1	272.5	259.4	13.08	20.835	
3,150.0	3,141.4	3,156.2	3,151.4	7.6	7.2	146.97	64.7	166.3	274.5	261.3	13.20	20.799	
3,175.0	3,166.2	3,180.6	3,175.7	7.6	7.2	147.00	66.5	165.6	276.7	263.3	13.32	20.766	
3,200.0	3,190.9	3,205.1	3,200.1	7.7	7.3	147.04	68.2	164.9	278.8	265.4	13.45	20.735	
3,212.6	3,203.4	3,217.4	3,212.4	7.8	7.4	147.07	69.0	164.6	279.9	266.5	13.50	20.738	
3,225.0	3,215.7	3,229.5	3,224.4	7.8	7.4	147.11	69.7	164.3	281.0	267.5	13.56	20.719	
3,250.0	3,240.4	3,253.9	3,248.8	7.9	7.5	147.20	71.2	163.7	283.2	269.5	13.70	20.678	
3,275.0	3,265.2	3,278.3	3,273.1	8.0	7.5	147.29	72.5	163.2	285.3	271.5	13.83	20.634	
3,300.0	3,290.0	3,302.7	3,297.5	8.1	7.6	147.38	73.8	162.6	287.4	273.4	13.96	20.587	
3,325.0	3,314.8	3,327.0	3,321.8	8.2	7.7	147.48	75.0	162.2	289.4	275.3	14.09	20.548	
3,350.0	3,339.7	3,351.4	3,346.2	8.3	7.7	147.59	76.1	161.7	291.4	277.2	14.21	20.505	
3,375.0	3,364.5	3,375.8	3,370.6	8.4	7.8	147.70	77.1	161.3	293.3	279.0	14.34	20.460	
3,400.0	3,389.4	3,400.0	3,394.7	8.4	7.9	147.82	77.9	161.0	295.2	280.8	14.46	20.412	
3,425.0	3,414.2	3,424.6	3,419.3	8.5	7.9	147.94	78.7	160.7	297.1	282.5	14.59	20.364	
3,450.0	3,439.1	3,449.0	3,443.7	8.6	8.0	148.07	79.4	160.4	298.9	284.2	14.71	20.313	
3,475.0	3,464.0	3,473.4	3,468.1	8.7	8.1	148.21	80.0	160.1	300.6	285.8	14.84	20.259	
3,500.0	3,488.9	3,497.7	3,492.4	8.8	8.1	148.35	80.5	159.9	302.3	287.4	14.96	20.203	
3,525.0	3,513.8	3,522.1	3,516.8	8.9	8.2	148.49	80.9	159.8	304.0	288.9	15.09	20.150	
3,550.0	3,538.7	3,546.5	3,541.2	9.0	8.2	148.64	81.2	159.6	305.6	290.4	15.21	20.094	
3,575.0	3,563.6	3,570.8	3,565.5	9.1	8.3	148.80	81.5	159.6	307.2	291.9	15.33	20.035	
3,600.0	3,588.5	3,595.2	3,589.9	9.1	8.3	148.96	81.6	159.5	308.7	293.3	15.46	19.974	
3,625.0	3,613.5	3,619.7	3,614.4	9.2	8.4	149.13	81.6	159.5	310.2	294.6	15.56	19.930	
3,650.0	3,638.4	3,644.7	3,639.3	9.3	8.4	149.29	81.6	159.5	311.6	295.9	15.69	19.866	
3,675.0	3,663.4	3,669.6	3,664.3	9.4	8.4	149.44	81.6	159.5	312.9	297.1	15.81	19.797	
3,700.0	3,688.3	3,694.6	3,689.2	9.5	8.5	149.57	81.6	159.5	314.1	298.2	15.93	19.724	
3,725.0	3,713.3	3,719.5	3,714.2	9.5	8.5	149.70	81.6	159.5	315.3	299.2	16.04	19.658	
3,750.0	3,738.3	3,744.5	3,739.2	9.6	8.5	149.82	81.6	159.5	316.3	300.2	16.15	19.588	
3,775.0	3,763.3	3,769.5	3,764.2	9.7	8.5	149.92	81.6	159.5	317.3	301.0	16.26	19.515	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,794.5	3,789.1	9.8	8.6	150.01	81.6	159.5	318.1	301.7	16.37	19.437	
3,825.0	3,813.2	3,819.4	3,814.1	9.9	8.6	150.09	81.6	159.5	318.9	302.4	16.47	19.363	
3,850.0	3,838.2	3,844.4	3,839.1	9.9	8.6	150.17	81.6	159.5	319.5	303.0	16.57	19.285	
3,875.0	3,863.2	3,869.4	3,864.1	10.0	8.6	150.23	81.6	159.5	320.1	303.4	16.67	19.203	
3,900.0	3,888.2	3,894.4	3,889.1	10.1	8.6	150.28	81.6	159.5	320.6	303.8	16.77	19.117	
3,925.0	3,913.2	3,919.4	3,914.1	10.1	8.7	150.32	81.6	159.5	321.0	304.1	16.86	19.041	
3,950.0	3,938.2	3,944.4	3,939.1	10.2	8.7	150.35	81.6	159.5	321.2	304.3	16.94	18.962	
3,975.0	3,963.2	3,969.4	3,964.1	10.2	8.7	150.37	81.6	159.5	321.4	304.4	17.03	18.879	
4,000.0	3,988.2	3,994.4	3,989.1	10.3	8.7	150.38	81.6	159.5	321.5	304.4	17.11	18.791	
4,012.8	4,001.0	4,007.2	4,001.9	10.3	8.8	95.78	81.6	159.5	321.5	304.4	17.13	18.768	
4,025.0	4,013.2	4,019.4	4,014.1	10.3	8.8	95.78	81.6	159.5	321.5	304.4	17.16	18.740	
4,050.0	4,038.2	4,044.4	4,039.1	10.3	8.8	95.78	81.6	159.5	321.5	304.3	17.21	18.683	
4,075.0	4,063.2	4,069.4	4,064.1	10.4	8.8	95.78	81.6	159.5	321.5	304.3	17.26	18.626	
4,100.0	4,088.2	4,094.4	4,089.1	10.4	8.8	95.78	81.6	159.5	321.5	304.2	17.32	18.569	
4,125.0	4,113.2	4,119.4	4,114.1	10.4	8.9	95.78	81.6	159.5	321.5	304.2	17.36	18.518	
4,150.0	4,138.2	4,144.4	4,139.1	10.4	8.9	95.78	81.6	159.5	321.5	304.1	17.41	18.468	
4,175.0	4,163.2	4,169.4	4,164.1	10.4	8.9	95.78	81.6	159.5	321.5	304.1	17.46	18.417	
4,200.0	4,188.2	4,194.4	4,189.1	10.5	8.9	95.78	81.6	159.5	321.5	304.0	17.51	18.367	
4,225.0	4,213.2	4,219.4	4,214.1	10.5	9.0	95.78	81.6	159.5	321.5	304.0	17.55	18.317	
4,250.0	4,238.2	4,244.4	4,239.1	10.5	9.0	95.78	81.6	159.5	321.5	303.9	17.60	18.267	
4,275.0	4,263.2	4,269.4	4,264.1	10.5	9.0	95.78	81.6	159.5	321.5	303.9	17.65	18.218	
4,300.0	4,288.2	4,294.4	4,289.1	10.5	9.0	95.78	81.6	159.5	321.5	303.8	17.70	18.169	
4,325.0	4,313.2	4,319.4	4,314.1	10.6	9.1	95.78	81.6	159.5	321.5	303.8	17.74	18.121	
4,350.0	4,338.2	4,344.4	4,339.1	10.6	9.1	95.78	81.6	159.5	321.5	303.7	17.79	18.072	
4,375.0	4,363.2	4,369.4	4,364.1	10.6	9.1	95.78	81.6	159.5	321.5	303.7	17.84	18.024	
4,400.0	4,388.2	4,394.4	4,389.1	10.6	9.1	95.78	81.6	159.5	321.5	303.6	17.89	17.976	
4,425.0	4,413.2	4,419.4	4,414.1	10.6	9.2	95.78	81.6	159.5	321.5	303.6	17.93	17.929	
4,450.0	4,438.2	4,444.4	4,439.1	10.7	9.2	95.78	81.6	159.5	321.5	303.6	17.98	17.882	
4,475.0	4,463.2	4,469.4	4,464.1	10.7	9.2	95.78	81.6	159.5	321.5	303.5	18.03	17.835	
4,500.0	4,488.2	4,494.4	4,489.1	10.7	9.2	95.78	81.6	159.5	321.5	303.5	18.08	17.788	
4,525.0	4,513.2	4,519.4	4,514.1	10.7	9.3	95.78	81.6	159.5	321.5	303.4	18.12	17.742	
4,550.0	4,538.2	4,544.4	4,539.1	10.7	9.3	95.78	81.6	159.5	321.5	303.4	18.17	17.696	
4,575.0	4,563.2	4,569.4	4,564.1	10.8	9.3	95.78	81.6	159.5	321.5	303.3	18.22	17.650	
4,600.0	4,588.2	4,594.4	4,589.1	10.8	9.3	95.78	81.6	159.5	321.5	303.3	18.26	17.604	
4,625.0	4,613.2	4,619.4	4,614.1	10.8	9.4	95.78	81.6	159.5	321.5	303.2	18.31	17.559	
4,650.0	4,638.2	4,644.4	4,639.1	10.8	9.4	95.78	81.6	159.5	321.5	303.2	18.36	17.514	
4,675.0	4,663.2	4,669.4	4,664.1	10.8	9.4	95.78	81.6	159.5	321.5	303.1	18.41	17.469	
4,700.0	4,688.2	4,694.4	4,689.1	10.9	9.4	95.78	81.6	159.5	321.5	303.1	18.45	17.425	
4,725.0	4,713.2	4,719.4	4,714.1	10.9	9.4	95.78	81.6	159.5	321.5	303.0	18.50	17.381	
4,750.0	4,738.2	4,744.4	4,739.1	10.9	9.5	95.78	81.6	159.5	321.5	303.0	18.55	17.337	
4,775.0	4,763.2	4,769.4	4,764.1	10.9	9.5	95.78	81.6	159.5	321.5	302.9	18.59	17.293	
4,800.0	4,788.2	4,794.4	4,789.1	10.9	9.5	95.78	81.6	159.5	321.5	302.9	18.64	17.250	
4,825.0	4,813.2	4,819.4	4,814.1	11.0	9.5	95.78	81.6	159.5	321.5	302.8	18.69	17.206	
4,850.0	4,838.2	4,844.4	4,839.1	11.0	9.6	95.78	81.6	159.5	321.5	302.8	18.73	17.163	
4,875.0	4,863.2	4,869.4	4,864.1	11.0	9.6	95.78	81.6	159.5	321.5	302.8	18.78	17.121	
4,900.0	4,888.2	4,894.4	4,889.1	11.0	9.6	95.78	81.6	159.5	321.5	302.7	18.83	17.078	
4,925.0	4,913.2	4,919.4	4,914.1	11.0	9.6	95.78	81.6	159.5	321.5	302.7	18.87	17.036	
4,950.0	4,938.2	4,944.4	4,939.1	11.1	9.7	95.78	81.6	159.5	321.5	302.6	18.92	16.994	
4,975.0	4,963.2	4,969.4	4,964.1	11.1	9.7	95.78	81.6	159.5	321.5	302.6	18.97	16.952	
5,000.0	4,988.2	4,994.4	4,989.1	11.1	9.7	95.78	81.6	159.5	321.5	302.5	19.01	16.910	
5,025.0	5,013.2	5,019.4	5,014.1	11.1	9.7	95.78	81.6	159.5	321.5	302.5	19.06	16.869	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	5,044.4	5,039.1	11.1	9.8	95.78	81.6	159.5	321.5	302.4	19.11	16.828	
5,075.0	5,063.2	5,069.4	5,064.1	11.2	9.8	95.78	81.6	159.5	321.5	302.4	19.15	16.787	
5,100.0	5,088.2	5,094.4	5,089.1	11.2	9.8	95.78	81.6	159.5	321.5	302.3	19.20	16.747	
5,125.0	5,113.2	5,119.4	5,114.1	11.2	9.8	95.78	81.6	159.5	321.5	302.3	19.25	16.706	
5,150.0	5,138.2	5,144.4	5,139.1	11.2	9.9	95.78	81.6	159.5	321.5	302.2	19.29	16.666	
5,175.0	5,163.2	5,169.4	5,164.1	11.2	9.9	95.78	81.6	159.5	321.5	302.2	19.34	16.626	
5,200.0	5,188.2	5,194.4	5,189.1	11.3	9.9	95.78	81.6	159.5	321.5	302.2	19.39	16.586	
5,225.0	5,213.2	5,219.4	5,214.1	11.3	9.9	95.78	81.6	159.5	321.5	302.1	19.43	16.547	
5,250.0	5,238.2	5,244.4	5,239.1	11.3	9.9	95.78	81.6	159.5	321.5	302.1	19.48	16.507	
5,275.0	5,263.2	5,269.4	5,264.1	11.3	10.0	95.78	81.6	159.5	321.5	302.0	19.52	16.468	
5,300.0	5,288.2	5,294.4	5,289.1	11.3	10.0	95.78	81.6	159.5	321.5	302.0	19.57	16.429	
5,325.0	5,313.2	5,319.4	5,314.1	11.4	10.0	95.78	81.6	159.5	321.5	301.9	19.62	16.390	
5,350.0	5,338.2	5,344.4	5,339.1	11.4	10.0	95.78	81.6	159.5	321.5	301.9	19.66	16.352	
5,375.0	5,363.2	5,369.4	5,364.1	11.4	10.1	95.78	81.6	159.5	321.5	301.8	19.71	16.314	
5,400.0	5,388.2	5,394.4	5,389.1	11.4	10.1	95.78	81.6	159.5	321.5	301.8	19.76	16.275	
5,425.0	5,413.2	5,419.4	5,414.1	11.4	10.1	95.78	81.6	159.5	321.5	301.7	19.80	16.238	
5,450.0	5,438.2	5,444.4	5,439.1	11.4	10.1	95.78	81.6	159.5	321.5	301.7	19.85	16.200	
5,475.0	5,463.2	5,469.4	5,464.1	11.5	10.2	95.78	81.6	159.5	321.5	301.6	19.89	16.162	
5,500.0	5,488.2	5,494.4	5,489.1	11.5	10.2	95.78	81.6	159.5	321.5	301.6	19.94	16.125	
5,525.0	5,513.2	5,519.4	5,514.1	11.5	10.2	95.78	81.6	159.5	321.5	301.6	19.99	16.088	
5,550.0	5,538.2	5,544.4	5,539.1	11.5	10.2	95.78	81.6	159.5	321.5	301.5	20.03	16.051	
5,575.0	5,563.2	5,569.4	5,564.1	11.5	10.3	95.78	81.6	159.5	321.5	301.5	20.08	16.014	
5,600.0	5,588.2	5,594.4	5,589.1	11.6	10.3	95.78	81.6	159.5	321.5	301.4	20.12	15.978	
5,625.0	5,613.2	5,619.4	5,614.1	11.6	10.3	95.78	81.6	159.5	321.5	301.4	20.17	15.941	
5,650.0	5,638.2	5,644.4	5,639.1	11.6	10.3	95.78	81.6	159.5	321.5	301.3	20.22	15.905	
5,675.0	5,663.2	5,669.4	5,664.1	11.6	10.3	95.78	81.6	159.5	321.5	301.3	20.26	15.869	
5,700.0	5,688.2	5,694.4	5,689.1	11.6	10.4	95.78	81.6	159.5	321.5	301.2	20.31	15.833	
5,725.0	5,713.2	5,719.4	5,714.1	11.7	10.4	95.78	81.6	159.5	321.5	301.2	20.35	15.798	
5,750.0	5,738.2	5,744.4	5,739.1	11.7	10.4	95.78	81.6	159.5	321.5	301.1	20.40	15.762	
5,775.0	5,763.2	5,769.4	5,764.1	11.7	10.4	95.78	81.6	159.5	321.5	301.1	20.45	15.727	
5,800.0	5,788.2	5,794.4	5,789.1	11.7	10.5	95.78	81.6	159.5	321.5	301.0	20.49	15.692	
5,825.0	5,813.2	5,819.4	5,814.1	11.7	10.5	95.78	81.6	159.5	321.5	301.0	20.54	15.657	
5,850.0	5,838.2	5,844.4	5,839.1	11.8	10.5	95.78	81.6	159.5	321.5	301.0	20.58	15.622	
5,875.0	5,863.2	5,869.4	5,864.1	11.8	10.5	95.78	81.6	159.5	321.5	300.9	20.63	15.587	
5,900.0	5,888.2	5,894.4	5,889.1	11.8	10.6	95.78	81.6	159.5	321.5	300.9	20.67	15.553	
5,925.0	5,913.2	5,919.4	5,914.1	11.8	10.6	95.78	81.6	159.5	321.5	300.8	20.72	15.519	
5,950.0	5,938.2	5,944.4	5,939.1	11.8	10.6	95.78	81.6	159.5	321.5	300.8	20.76	15.485	
5,975.0	5,963.2	5,969.4	5,964.1	11.9	10.6	95.78	81.6	159.5	321.5	300.7	20.81	15.451	
6,000.0	5,988.2	5,994.4	5,989.1	11.9	10.6	95.78	81.6	159.5	321.5	300.7	20.86	15.417	
6,025.0	6,013.2	6,019.4	6,014.1	11.9	10.7	95.78	81.6	159.5	321.5	300.6	20.90	15.383	
6,050.0	6,038.2	6,044.4	6,039.1	11.9	10.7	95.78	81.6	159.5	321.5	300.6	20.95	15.350	
6,075.0	6,063.2	6,069.4	6,064.1	11.9	10.7	95.78	81.6	159.5	321.5	300.5	20.99	15.317	
6,100.0	6,088.2	6,094.4	6,089.1	12.0	10.7	95.78	81.6	159.5	321.5	300.5	21.04	15.283	
6,125.0	6,113.2	6,119.4	6,114.1	12.0	10.8	95.78	81.6	159.5	321.5	300.5	21.08	15.251	
6,150.0	6,138.2	6,144.4	6,139.1	12.0	10.8	95.78	81.6	159.5	321.5	300.4	21.13	15.218	
6,175.0	6,163.2	6,169.4	6,164.1	12.0	10.8	95.78	81.6	159.5	321.5	300.4	21.17	15.185	
6,200.0	6,188.2	6,194.4	6,189.1	12.0	10.8	95.78	81.6	159.5	321.5	300.3	21.22	15.153	
6,225.0	6,213.2	6,219.4	6,214.1	12.1	10.9	95.78	81.6	159.5	321.5	300.3	21.27	15.120	
6,250.0	6,238.2	6,244.4	6,239.1	12.1	10.9	95.78	81.6	159.5	321.5	300.2	21.31	15.088	
6,275.0	6,263.2	6,269.4	6,264.1	12.1	10.9	95.78	81.6	159.5	321.5	300.2	21.36	15.056	
6,300.0	6,288.2	6,294.4	6,289.1	12.1	10.9	95.78	81.6	159.5	321.5	300.1	21.40	15.024	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,319.4	6,314.1	12.1	10.9	95.78	81.6	159.5	321.5	300.1	21.45	14.992	
6,350.0	6,338.2	6,344.4	6,339.1	12.2	11.0	95.78	81.6	159.5	321.5	300.0	21.49	14.961	
6,375.0	6,363.2	6,369.4	6,364.1	12.2	11.0	95.78	81.6	159.5	321.5	300.0	21.54	14.929	
6,400.0	6,388.2	6,394.4	6,389.1	12.2	11.0	95.78	81.6	159.5	321.5	300.0	21.58	14.898	
6,425.0	6,413.2	6,419.4	6,414.1	12.2	11.0	95.78	81.6	159.5	321.5	299.9	21.63	14.867	
6,450.0	6,438.2	6,444.4	6,439.1	12.2	11.1	95.78	81.6	159.5	321.5	299.9	21.67	14.836	
6,475.0	6,463.2	6,469.4	6,464.1	12.3	11.1	95.78	81.6	159.5	321.5	299.8	21.72	14.805	
6,500.0	6,488.2	6,494.4	6,489.1	12.3	11.1	95.78	81.6	159.5	321.5	299.8	21.76	14.774	
6,525.0	6,513.2	6,519.4	6,514.1	12.3	11.1	95.78	81.6	159.5	321.5	299.7	21.81	14.744	
6,550.0	6,538.2	6,544.4	6,539.1	12.3	11.2	95.78	81.6	159.5	321.5	299.7	21.85	14.713	
6,575.0	6,563.2	6,569.4	6,564.1	12.3	11.2	95.78	81.6	159.5	321.5	299.6	21.90	14.683	
6,600.0	6,588.2	6,594.4	6,589.1	12.4	11.2	95.78	81.6	159.5	321.5	299.6	21.94	14.653	
6,625.0	6,613.2	6,619.4	6,614.1	12.4	11.2	95.78	81.6	159.5	321.5	299.5	21.99	14.623	
6,650.0	6,638.2	6,644.4	6,639.1	12.4	11.2	95.78	81.6	159.5	321.5	299.5	22.03	14.593	
6,675.0	6,663.2	6,669.4	6,664.1	12.4	11.3	95.78	81.6	159.5	321.5	299.5	22.08	14.563	
6,700.0	6,688.2	6,694.4	6,689.1	12.4	11.3	95.78	81.6	159.5	321.5	299.4	22.12	14.534	
6,725.0	6,713.2	6,719.4	6,714.1	12.5	11.3	95.78	81.6	159.5	321.5	299.4	22.17	14.504	
6,750.0	6,738.2	6,744.4	6,739.1	12.5	11.3	95.78	81.6	159.5	321.5	299.3	22.21	14.475	
6,775.0	6,763.2	6,769.4	6,764.1	12.5	11.4	95.78	81.6	159.5	321.5	299.3	22.26	14.446	
6,800.0	6,788.2	6,794.4	6,789.1	12.5	11.4	95.78	81.6	159.5	321.5	299.2	22.30	14.417	
6,825.0	6,813.2	6,819.4	6,814.1	12.5	11.4	95.78	81.6	159.5	321.5	299.2	22.35	14.388	
6,850.0	6,838.2	6,844.4	6,839.1	12.6	11.4	95.78	81.6	159.5	321.5	299.1	22.39	14.359	
6,875.0	6,863.2	6,869.4	6,864.1	12.6	11.5	95.78	81.6	159.5	321.5	299.1	22.44	14.330	
6,900.0	6,888.2	6,894.4	6,889.1	12.6	11.5	95.78	81.6	159.5	321.5	299.1	22.48	14.301	
6,925.0	6,913.2	6,919.4	6,914.1	12.6	11.5	95.78	81.6	159.5	321.5	299.0	22.53	14.273	
6,950.0	6,938.2	6,944.4	6,939.1	12.6	11.5	95.78	81.6	159.5	321.5	299.0	22.57	14.245	
6,975.0	6,963.2	6,969.4	6,964.1	12.7	11.5	95.78	81.6	159.5	321.5	298.9	22.62	14.216	
7,000.0	6,988.2	6,994.4	6,989.1	12.7	11.6	95.78	81.6	159.5	321.5	298.9	22.66	14.188	
7,025.0	7,013.2	7,019.4	7,014.1	12.7	11.6	95.78	81.6	159.5	321.5	298.8	22.71	14.160	
7,050.0	7,038.2	7,044.4	7,039.1	12.7	11.6	95.78	81.6	159.5	321.5	298.8	22.75	14.133	
7,075.0	7,063.2	7,069.4	7,064.1	12.7	11.6	95.78	81.6	159.5	321.5	298.7	22.80	14.105	
7,100.0	7,088.2	7,094.4	7,089.1	12.8	11.7	95.78	81.6	159.5	321.5	298.7	22.84	14.077	
7,125.0	7,113.2	7,119.4	7,114.1	12.8	11.7	95.78	81.6	159.5	321.5	298.7	22.89	14.050	
7,150.0	7,138.2	7,144.4	7,139.1	12.8	11.7	95.78	81.6	159.5	321.5	298.6	22.93	14.022	
7,175.0	7,163.2	7,169.4	7,164.1	12.8	11.7	95.78	81.6	159.5	321.5	298.6	22.98	13.995	
7,200.0	7,188.2	7,194.4	7,189.1	12.8	11.7	95.78	81.6	159.5	321.5	298.5	23.02	13.968	
7,225.0	7,213.2	7,219.4	7,214.1	12.9	11.8	95.78	81.6	159.5	321.5	298.5	23.06	13.941	
7,250.0	7,238.2	7,244.4	7,239.1	12.9	11.8	95.78	81.6	159.5	321.5	298.4	23.11	13.914	
7,275.0	7,263.2	7,269.4	7,264.1	12.9	11.8	95.78	81.6	159.5	321.5	298.4	23.15	13.887	
7,300.0	7,288.2	7,294.4	7,289.1	12.9	11.8	95.78	81.6	159.5	321.5	298.3	23.20	13.860	
7,325.0	7,313.2	7,319.4	7,314.1	12.9	11.9	95.78	81.6	159.5	321.5	298.3	23.24	13.834	
7,350.0	7,338.2	7,344.4	7,339.1	13.0	11.9	95.78	81.6	159.5	321.5	298.2	23.29	13.807	
7,375.0	7,363.2	7,369.4	7,364.1	13.0	11.9	95.78	81.6	159.5	321.5	298.2	23.33	13.781	
7,400.0	7,388.2	7,394.4	7,389.1	13.0	11.9	95.78	81.6	159.5	321.5	298.2	23.38	13.755	
7,425.0	7,413.2	7,419.4	7,414.1	13.0	12.0	95.78	81.6	159.5	321.5	298.1	23.42	13.729	
7,450.0	7,438.2	7,444.4	7,439.1	13.0	12.0	95.78	81.6	159.5	321.5	298.1	23.47	13.703	
7,475.0	7,463.2	7,469.4	7,464.1	13.0	12.0	95.78	81.6	159.5	321.5	298.0	23.51	13.677	
7,500.0	7,488.2	7,494.4	7,489.1	13.1	12.0	95.78	81.6	159.5	321.5	298.0	23.55	13.651	
7,525.0	7,513.2	7,519.4	7,514.1	13.1	12.0	95.78	81.6	159.5	321.5	297.9	23.60	13.625	
7,550.0	7,538.2	7,544.4	7,539.1	13.1	12.1	95.78	81.6	159.5	321.5	297.9	23.64	13.600	
7,575.0	7,563.2	7,569.4	7,564.1	13.1	12.1	95.78	81.6	159.5	321.5	297.8	23.69	13.574	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,594.4	7,589.1	13.1	12.1	95.78	81.6	159.5	321.5	297.8	23.73	13.549	
7,625.0	7,613.2	7,619.4	7,614.1	13.2	12.1	95.78	81.6	159.5	321.5	297.8	23.78	13.524	
7,650.0	7,638.2	7,644.4	7,639.1	13.2	12.2	95.78	81.6	159.5	321.5	297.7	23.82	13.498	
7,675.0	7,663.2	7,669.4	7,664.1	13.2	12.2	95.78	81.6	159.5	321.5	297.7	23.86	13.473	
7,700.0	7,688.2	7,694.4	7,689.1	13.2	12.2	95.78	81.6	159.5	321.5	297.6	23.91	13.448	
7,725.0	7,713.2	7,719.4	7,714.1	13.2	12.2	95.78	81.6	159.5	321.5	297.6	23.95	13.423	
7,750.0	7,738.2	7,744.4	7,739.1	13.3	12.2	95.78	81.6	159.5	321.5	297.5	24.00	13.399	
7,775.0	7,763.2	7,769.4	7,764.1	13.3	12.3	95.78	81.6	159.5	321.5	297.5	24.04	13.374	
7,800.0	7,788.2	7,794.4	7,789.1	13.3	12.3	95.78	81.6	159.5	321.5	297.5	24.09	13.349	
7,825.0	7,813.2	7,819.4	7,814.1	13.3	12.3	95.78	81.6	159.5	321.5	297.4	24.13	13.325	
7,850.0	7,838.2	7,844.4	7,839.1	13.3	12.3	95.78	81.6	159.5	321.5	297.4	24.17	13.300	
7,875.0	7,863.2	7,869.4	7,864.1	13.4	12.4	95.78	81.6	159.5	321.5	297.3	24.22	13.276	
7,900.0	7,888.2	7,894.4	7,889.1	13.4	12.4	95.78	81.6	159.5	321.5	297.3	24.26	13.252	
7,925.0	7,913.2	7,919.4	7,914.1	13.4	12.4	95.78	81.6	159.5	321.5	297.2	24.31	13.228	
7,950.0	7,938.2	7,944.4	7,939.1	13.4	12.4	95.78	81.6	159.5	321.5	297.2	24.35	13.204	
7,975.0	7,963.2	7,969.4	7,964.1	13.4	12.5	95.78	81.6	159.5	321.5	297.1	24.40	13.180	
8,000.0	7,988.2	7,994.4	7,989.1	13.5	12.5	95.78	81.6	159.5	321.5	297.1	24.44	13.156	
8,025.0	8,013.2	8,019.4	8,014.1	13.5	12.5	95.78	81.6	159.5	321.5	297.1	24.48	13.132	
8,050.0	8,038.2	8,044.4	8,039.1	13.5	12.5	95.78	81.6	159.5	321.5	297.0	24.53	13.109	
8,075.0	8,063.2	8,069.4	8,064.1	13.5	12.5	95.78	81.6	159.5	321.5	297.0	24.57	13.085	
8,100.0	8,088.2	8,094.4	8,089.1	13.5	12.6	95.78	81.6	159.5	321.5	296.9	24.62	13.062	
8,125.0	8,113.2	8,119.4	8,114.1	13.6	12.6	95.78	81.6	159.5	321.5	296.9	24.66	13.038	
8,150.0	8,138.2	8,144.4	8,139.1	13.6	12.6	95.78	81.6	159.5	321.5	296.8	24.70	13.015	
8,175.0	8,163.2	8,169.4	8,164.1	13.6	12.6	95.78	81.6	159.5	321.5	296.8	24.75	12.992	
8,200.0	8,188.2	8,194.4	8,189.1	13.6	12.7	95.78	81.6	159.5	321.5	296.7	24.79	12.969	
8,225.0	8,213.2	8,219.4	8,214.1	13.6	12.7	95.78	81.6	159.5	321.5	296.7	24.84	12.946	
8,250.0	8,238.2	8,244.4	8,239.1	13.7	12.7	95.78	81.6	159.5	321.5	296.7	24.88	12.923	
8,275.0	8,263.2	8,269.4	8,264.1	13.7	12.7	95.78	81.6	159.5	321.5	296.6	24.92	12.900	
8,300.0	8,288.2	8,294.4	8,289.1	13.7	12.7	95.78	81.6	159.5	321.5	296.6	24.97	12.878	
8,325.0	8,313.2	8,319.4	8,314.1	13.7	12.8	95.78	81.6	159.5	321.5	296.5	25.01	12.855	
8,350.0	8,338.2	8,344.4	8,339.1	13.7	12.8	95.78	81.6	159.5	321.5	296.5	25.06	12.832	
8,375.0	8,363.2	8,369.4	8,364.1	13.8	12.8	95.78	81.6	159.5	321.5	296.4	25.10	12.810	
8,400.0	8,388.2	8,394.4	8,389.1	13.8	12.8	95.78	81.6	159.5	321.5	296.4	25.14	12.787	
8,425.0	8,413.2	8,419.4	8,414.1	13.8	12.9	95.78	81.6	159.5	321.5	296.3	25.19	12.765	
8,450.0	8,438.2	8,444.4	8,439.1	13.8	12.9	95.78	81.6	159.5	321.5	296.3	25.23	12.743	
8,475.0	8,463.2	8,469.4	8,464.1	13.8	12.9	95.78	81.6	159.5	321.5	296.3	25.28	12.721	
8,500.0	8,488.2	8,494.4	8,489.1	13.9	12.9	95.78	81.6	159.5	321.5	296.2	25.32	12.699	
8,525.0	8,513.2	8,519.4	8,514.1	13.9	12.9	95.78	81.6	159.5	321.5	296.2	25.36	12.677	
8,550.0	8,538.2	8,544.4	8,539.1	13.9	13.0	95.78	81.6	159.5	321.5	296.1	25.41	12.655	
8,575.0	8,563.2	8,569.4	8,564.1	13.9	13.0	95.78	81.6	159.5	321.5	296.1	25.45	12.633	
8,600.0	8,588.2	8,594.4	8,589.1	13.9	13.0	95.78	81.6	159.5	321.5	296.0	25.50	12.611	
8,625.0	8,613.2	8,619.4	8,614.1	14.0	13.0	95.78	81.6	159.5	321.5	296.0	25.54	12.590	
8,650.0	8,638.2	8,644.4	8,639.1	14.0	13.1	95.78	81.6	159.5	321.5	296.0	25.58	12.568	
8,675.0	8,663.2	8,669.4	8,664.1	14.0	13.1	95.78	81.6	159.5	321.5	295.9	25.63	12.547	
8,700.0	8,688.2	8,694.4	8,689.1	14.0	13.1	95.78	81.6	159.5	321.5	295.9	25.67	12.525	
8,725.0	8,713.2	8,719.4	8,714.1	14.0	13.1	95.78	81.6	159.5	321.5	295.8	25.71	12.504	
8,750.0	8,738.2	8,744.4	8,739.1	14.1	13.1	95.78	81.6	159.5	321.5	295.8	25.76	12.483	
8,775.0	8,763.2	8,769.4	8,764.1	14.1	13.2	95.78	81.6	159.5	321.5	295.7	25.80	12.462	
8,800.0	8,788.2	8,794.4	8,789.1	14.1	13.2	95.78	81.6	159.5	321.5	295.7	25.85	12.440	
8,825.0	8,813.2	8,819.4	8,814.1	14.1	13.2	95.78	81.6	159.5	321.5	295.6	25.89	12.419	
8,850.0	8,838.2	8,844.4	8,839.1	14.1	13.2	95.78	81.6	159.5	321.5	295.6	25.93	12.398	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,869.4	8,864.1	14.2	13.3	95.78	81.6	159.5	321.5	295.6	25.98	12.378	
8,900.0	8,888.2	8,894.4	8,889.1	14.2	13.3	95.78	81.6	159.5	321.5	295.5	26.02	12.357	
8,925.0	8,913.2	8,919.4	8,914.1	14.2	13.3	95.78	81.6	159.5	321.5	295.5	26.06	12.336	
8,950.0	8,938.2	8,944.4	8,939.1	14.2	13.3	95.78	81.6	159.5	321.5	295.4	26.11	12.315	
8,975.0	8,963.2	8,969.4	8,964.1	14.2	13.3	95.78	81.6	159.5	321.5	295.4	26.15	12.295	
9,000.0	8,988.2	8,994.4	8,989.1	14.3	13.4	95.78	81.6	159.5	321.5	295.3	26.20	12.274	
9,025.0	9,013.2	9,019.4	9,014.1	14.3	13.4	95.78	81.6	159.5	321.5	295.3	26.24	12.254	
9,050.0	9,038.2	9,044.4	9,039.1	14.3	13.4	95.78	81.6	159.5	321.5	295.3	26.28	12.234	
9,075.0	9,063.2	9,069.4	9,064.1	14.3	13.4	95.78	81.6	159.5	321.5	295.2	26.33	12.213	
9,100.0	9,088.2	9,094.4	9,089.1	14.3	13.5	95.78	81.6	159.5	321.5	295.2	26.37	12.193	
9,125.0	9,113.2	9,119.4	9,114.1	14.4	13.5	95.78	81.6	159.5	321.5	295.1	26.41	12.173	
9,150.0	9,138.2	9,144.4	9,139.1	14.4	13.5	95.78	81.6	159.5	321.5	295.1	26.46	12.153	
9,175.0	9,163.2	9,169.4	9,164.1	14.4	13.5	95.78	81.6	159.5	321.5	295.0	26.50	12.133	
9,200.0	9,188.2	9,194.4	9,189.1	14.4	13.5	95.78	81.6	159.5	321.5	295.0	26.54	12.113	
9,225.0	9,213.2	9,219.4	9,214.1	14.4	13.6	95.78	81.6	159.5	321.5	295.0	26.59	12.095	
9,250.0	9,238.2	9,244.4	9,239.1	14.5	13.6	95.78	81.6	159.5	321.5	294.9	26.62	12.077	
9,275.0	9,263.2	9,269.4	9,264.1	14.5	13.6	95.78	81.6	159.5	321.5	294.9	26.66	12.059	
9,300.0	9,288.2	9,294.4	9,289.1	14.5	13.6	95.78	81.6	159.5	321.5	294.8	26.70	12.041	
9,325.0	9,313.2	9,320.7	9,315.4	14.5	13.6	95.72	82.0	159.5	321.5	294.8	26.73	12.027	
9,350.0	9,338.2	9,347.4	9,342.0	14.5	13.6	95.40	83.8	159.5	321.3	294.6	26.74	12.015	
9,375.0	9,363.2	9,373.8	9,368.2	14.6	13.7	94.82	87.0	159.5	321.1	294.3	26.75	12.004	
9,400.0	9,388.2	9,399.8	9,393.8	14.6	13.7	94.00	91.6	159.5	320.7	294.0	26.73	11.996	
9,425.0	9,413.2	9,425.2	9,418.6	14.6	13.7	92.96	97.5	159.5	320.3	293.6	26.71	11.992	
9,450.0	9,438.2	9,450.0	9,442.3	14.6	13.7	91.72	104.4	159.5	320.0	293.4	26.68	11.996	
9,475.0	9,463.2	9,473.9	9,464.9	14.6	13.7	90.31	112.3	159.5	319.9	293.2	26.64	12.008	
9,481.3	9,469.5	9,479.8	9,470.4	14.6	13.7	89.93	114.4	159.5	319.9	293.2	26.63	12.013	
9,500.0	9,488.2	9,497.0	9,486.3	14.7	13.7	88.76	120.9	159.5	319.9	293.3	26.59	12.031	
9,525.0	9,513.2	9,519.1	9,506.4	14.7	13.7	87.11	130.2	159.4	320.3	293.8	26.55	12.067	
9,550.0	9,538.2	9,540.3	9,525.2	14.7	13.8	85.37	139.9	159.4	321.2	294.7	26.51	12.117	
9,575.0	9,563.2	9,560.5	9,542.7	14.7	13.8	83.59	149.9	159.4	322.5	296.1	26.48	12.181	
9,600.0	9,588.2	9,579.7	9,559.0	14.7	13.8	81.78	160.2	159.4	324.5	298.1	26.47	12.259	
9,625.0	9,613.2	9,597.9	9,574.0	14.8	13.8	79.98	170.5	159.4	327.2	300.7	26.49	12.352	
9,650.0	9,638.2	9,615.3	9,587.9	14.8	13.8	78.20	180.8	159.4	330.7	304.1	26.55	12.457	
9,675.0	9,663.2	9,631.7	9,600.7	14.8	13.8	76.46	191.0	159.4	335.0	308.3	26.64	12.575	
9,700.0	9,688.2	9,647.2	9,612.5	14.8	13.8	74.76	201.1	159.4	340.1	313.4	26.77	12.705	
9,725.0	9,713.2	9,661.8	9,623.4	14.8	13.8	73.13	211.0	159.3	346.2	319.3	26.95	12.846	
9,750.0	9,738.2	9,675.0	9,632.8	14.9	13.9	71.64	220.1	159.3	353.2	326.1	27.18	12.995	
9,775.0	9,763.2	9,688.8	9,642.5	14.9	13.9	70.06	230.0	159.3	361.2	333.8	27.43	13.166	
9,800.0	9,788.2	9,700.0	9,650.1	14.9	13.9	68.77	238.2	159.3	370.1	342.3	27.75	13.336	
9,825.0	9,813.2	9,712.9	9,658.7	14.9	13.9	67.28	247.9	159.3	379.9	351.8	28.06	13.539	
9,850.0	9,838.2	9,725.0	9,666.4	14.9	13.9	65.88	257.1	159.3	390.5	362.1	28.39	13.757	
9,875.0	9,863.2	9,734.5	9,672.4	15.0	13.9	64.78	264.6	159.3	402.0	373.3	28.77	13.973	
9,900.0	9,888.2	9,744.5	9,678.4	15.0	13.9	63.63	272.5	159.3	414.3	385.2	29.15	14.215	
9,925.0	9,913.2	9,750.0	9,681.7	15.0	13.9	63.00	276.9	159.3	427.5	397.9	29.60	14.443	
9,950.0	9,938.2	9,762.8	9,689.2	15.0	13.9	61.53	287.3	159.3	441.2	411.3	29.92	14.749	
9,975.0	9,963.2	9,775.0	9,696.0	15.0	13.9	60.15	297.5	159.2	455.8	425.5	30.24	15.072	
10,000.0	9,988.2	9,775.0	9,696.0	15.1	13.9	60.15	297.5	159.2	470.9	440.2	30.74	15.317	
10,000.4	9,988.6	9,775.0	9,696.0	15.1	13.9	60.15	297.5	159.2	471.1	440.4	30.75	15.321	
10,025.0	10,013.2	9,787.3	9,702.6	15.1	13.9	56.89	307.8	159.2	486.3	455.4	30.95	15.714	
10,050.0	10,038.1	9,800.0	9,709.1	15.1	13.9	53.71	318.7	159.2	501.8	470.6	31.23	16.069	
10,075.0	10,062.9	9,800.0	9,709.1	15.1	13.9	51.84	318.7	159.2	517.2	485.5	31.69	16.321	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,100.0	10,087.5	9,812.3	9,715.2	15.1	14.0	49.05	329.4	159.2	532.4	500.5	31.97	16.656	
10,125.0	10,111.8	9,825.0	9,721.1	15.1	14.0	46.45	340.6	159.2	547.5	515.3	32.23	16.986	
10,150.0	10,135.8	9,825.0	9,721.1	15.1	14.0	44.88	340.6	159.2	562.3	529.6	32.66	17.217	
10,175.0	10,159.3	9,838.8	9,727.3	15.1	14.0	42.57	353.0	159.2	576.7	543.8	32.90	17.531	
10,200.0	10,182.4	9,850.0	9,732.0	15.1	14.0	40.61	363.2	159.2	590.9	557.7	33.17	17.816	
10,225.0	10,205.0	9,857.2	9,734.9	15.1	14.0	39.01	369.7	159.2	604.6	571.2	33.47	18.064	
10,250.0	10,227.0	9,866.5	9,738.5	15.1	14.0	37.44	378.3	159.2	618.0	584.2	33.74	18.314	
10,275.0	10,248.3	9,875.0	9,741.6	15.2	14.0	36.03	386.2	159.1	630.8	596.8	34.02	18.546	
10,300.0	10,268.9	9,885.4	9,745.3	15.2	14.0	34.68	396.0	159.1	643.2	609.0	34.26	18.776	
10,325.0	10,288.8	9,900.0	9,750.1	15.2	14.0	33.33	409.7	159.1	655.2	620.7	34.45	19.016	
10,350.0	10,307.8	9,900.0	9,750.1	15.2	14.0	32.50	409.7	159.1	666.5	631.8	34.77	19.167	
10,375.0	10,325.9	9,914.4	9,754.4	15.2	14.0	31.38	423.5	159.1	677.3	642.4	34.96	19.376	
10,400.0	10,343.1	9,925.0	9,757.3	15.2	14.0	30.46	433.7	159.1	687.6	652.4	35.16	19.553	
10,425.0	10,359.4	9,934.0	9,759.5	15.2	14.0	29.65	442.4	159.1	697.2	661.8	35.37	19.711	
10,450.0	10,374.6	9,950.0	9,763.2	15.2	14.0	28.81	458.0	159.1	706.3	670.8	35.52	19.883	
10,475.0	10,388.8	9,950.0	9,763.2	15.3	14.0	28.30	458.0	159.1	714.7	678.9	35.77	19.979	
10,500.0	10,401.9	9,963.8	9,765.9	15.3	14.0	27.64	471.5	159.0	722.5	686.6	35.92	20.112	
10,525.0	10,413.8	9,975.0	9,767.8	15.3	14.1	27.10	482.5	159.0	729.6	693.6	36.08	20.223	
10,550.0	10,424.6	9,983.9	9,769.2	15.3	14.1	26.64	491.3	159.0	736.1	699.9	36.24	20.313	
10,575.0	10,434.2	10,000.0	9,771.2	15.3	14.1	26.17	507.3	159.0	742.0	705.7	36.35	20.411	
10,600.0	10,442.5	10,000.0	9,771.2	15.4	14.1	25.90	507.3	159.0	747.2	710.6	36.53	20.451	
10,625.0	10,449.7	10,014.2	9,772.5	15.4	14.1	25.56	521.5	159.0	751.6	715.0	36.64	20.513	
10,650.0	10,455.5	10,025.0	9,773.3	15.4	14.1	25.31	532.2	159.0	755.4	718.6	36.75	20.554	
10,675.0	10,460.1	10,034.5	9,773.7	15.4	14.1	25.11	541.7	159.0	758.5	721.6	36.86	20.580	
10,700.0	10,463.4	10,047.9	9,774.0	15.5	14.1	24.94	555.1	158.9	760.9	724.0	36.94	20.598	
10,725.0	10,465.4	10,065.0	9,774.1	15.5	14.1	24.83	572.2	158.9	762.5	725.5	37.01	20.602	
10,745.4	10,466.0	10,085.3	9,774.3	15.5	14.1	24.79	592.5	158.9	762.9	725.9	37.04	20.596	
10,750.0	10,466.0	10,090.0	9,774.3	15.5	14.1	24.79	597.2	158.9	762.9	725.9	37.05	20.592	
10,775.0	10,466.3	10,115.0	9,774.6	15.6	14.1	24.79	622.2	158.9	763.0	725.9	37.09	20.571	
10,800.0	10,466.6	10,140.0	9,774.8	15.6	14.1	24.78	647.2	158.8	763.0	725.9	37.13	20.549	
10,825.0	10,466.8	10,165.0	9,775.0	15.6	14.2	24.78	672.2	158.8	763.1	725.9	37.18	20.524	
10,850.0	10,467.1	10,190.0	9,775.2	15.7	14.2	24.78	697.2	158.8	763.1	725.9	37.23	20.499	
10,875.0	10,467.4	10,215.0	9,775.4	15.7	14.2	24.78	722.2	158.8	763.2	725.9	37.28	20.473	
10,900.0	10,467.6	10,240.0	9,775.6	15.8	14.2	24.78	747.2	158.7	763.2	725.9	37.33	20.446	
10,925.0	10,467.9	10,265.0	9,775.8	15.9	14.3	24.78	772.2	158.7	763.3	725.9	37.38	20.417	
10,950.0	10,468.1	10,290.0	9,776.0	15.9	14.3	24.77	797.1	158.7	763.3	725.9	37.44	20.388	
10,975.0	10,468.4	10,315.0	9,776.2	16.0	14.4	24.77	822.1	158.6	763.4	725.9	37.50	20.358	
11,000.0	10,468.7	10,340.0	9,776.4	16.0	14.4	24.77	847.1	158.6	763.4	725.9	37.56	20.328	
11,025.0	10,468.9	10,365.0	9,776.6	16.1	14.5	24.77	872.1	158.6	763.5	725.9	37.62	20.295	
11,050.0	10,469.2	10,390.0	9,776.8	16.2	14.6	24.77	897.1	158.5	763.5	725.8	37.68	20.263	
11,075.0	10,469.4	10,415.0	9,777.0	16.3	14.7	24.77	922.1	158.5	763.6	725.8	37.75	20.229	
11,100.0	10,469.7	10,440.0	9,777.2	16.3	14.8	24.76	947.1	158.5	763.6	725.8	37.81	20.195	
11,125.0	10,470.0	10,465.0	9,777.4	16.4	14.9	24.76	972.1	158.5	763.7	725.8	37.88	20.159	
11,150.0	10,470.2	10,490.0	9,777.6	16.5	15.0	24.76	997.1	158.4	763.7	725.8	37.95	20.123	
11,175.0	10,470.5	10,515.0	9,777.8	16.6	15.1	24.76	1,022.1	158.4	763.8	725.8	38.03	20.086	
11,200.0	10,470.8	10,540.0	9,778.0	16.7	15.2	24.76	1,047.1	158.4	763.8	725.7	38.10	20.048	
11,225.0	10,471.0	10,565.0	9,778.2	16.8	15.3	24.75	1,072.1	158.3	763.9	725.7	38.18	20.009	
11,250.0	10,471.3	10,590.0	9,778.5	16.9	15.4	24.75	1,097.1	158.3	763.9	725.7	38.25	19.970	
11,275.0	10,471.5	10,615.0	9,778.7	17.0	15.5	24.75	1,122.1	158.3	764.0	725.7	38.33	19.930	
11,300.0	10,471.8	10,640.0	9,778.9	17.1	15.7	24.75	1,147.1	158.3	764.0	725.6	38.41	19.889	
11,325.0	10,472.1	10,665.0	9,779.1	17.2	15.8	24.75	1,172.1	158.2	764.1	725.6	38.50	19.847	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,350.0	10,472.3	10,690.0	9,779.3	17.3	15.9	24.75	1,197.1	158.2	764.1	725.6	38.58	19.805	
11,375.0	10,472.6	10,715.0	9,779.5	17.4	16.0	24.74	1,222.1	158.2	764.2	725.5	38.67	19.762	
11,400.0	10,472.8	10,740.0	9,779.7	17.5	16.2	24.74	1,247.1	158.1	764.2	725.5	38.76	19.719	
11,425.0	10,473.1	10,765.0	9,779.9	17.6	16.3	24.74	1,272.1	158.1	764.3	725.4	38.85	19.674	
11,450.0	10,473.4	10,790.0	9,780.1	17.8	16.4	24.74	1,297.1	158.1	764.3	725.4	38.94	19.629	
11,475.0	10,473.6	10,815.0	9,780.3	17.9	16.6	24.74	1,322.1	158.1	764.4	725.4	39.03	19.584	
11,500.0	10,473.9	10,840.0	9,780.5	18.0	16.7	24.74	1,347.1	158.0	764.4	725.3	39.13	19.538	
11,525.0	10,474.1	10,865.0	9,780.7	18.1	16.9	24.73	1,372.1	158.0	764.5	725.3	39.22	19.490	
11,550.0	10,474.4	10,890.0	9,780.9	18.3	17.0	24.73	1,397.1	158.0	764.5	725.2	39.32	19.443	
11,575.0	10,474.7	10,915.0	9,781.1	18.4	17.1	24.73	1,422.1	157.9	764.6	725.2	39.42	19.395	
11,600.0	10,474.9	10,940.0	9,781.3	18.5	17.3	24.73	1,447.1	157.9	764.6	725.1	39.52	19.347	
11,625.0	10,475.2	10,965.0	9,781.5	18.6	17.4	24.73	1,472.1	157.9	764.7	725.1	39.63	19.298	
11,650.0	10,475.5	10,990.0	9,781.7	18.8	17.6	24.73	1,497.1	157.8	764.8	725.0	39.73	19.248	
11,675.0	10,475.7	11,015.0	9,781.9	18.9	17.7	24.72	1,522.1	157.8	764.8	725.0	39.84	19.198	
11,700.0	10,476.0	11,040.0	9,782.1	19.0	17.9	24.72	1,547.1	157.8	764.9	724.9	39.94	19.148	
11,725.0	10,476.2	11,065.0	9,782.4	19.2	18.0	24.72	1,572.1	157.8	764.9	724.8	40.05	19.097	
11,750.0	10,476.5	11,090.0	9,782.6	19.3	18.2	24.72	1,597.1	157.7	765.0	724.8	40.16	19.046	
11,775.0	10,476.8	11,115.0	9,782.8	19.5	18.4	24.72	1,622.1	157.7	765.0	724.7	40.28	18.994	
11,800.0	10,477.0	11,140.0	9,783.0	19.6	18.5	24.71	1,647.1	157.7	765.1	724.7	40.39	18.942	
11,825.0	10,477.3	11,165.0	9,783.2	19.8	18.7	24.71	1,672.1	157.6	765.1	724.6	40.51	18.889	
11,850.0	10,477.5	11,190.0	9,783.4	19.9	18.8	24.71	1,697.1	157.6	765.2	724.5	40.62	18.836	
11,875.0	10,477.8	11,215.0	9,783.6	20.0	19.0	24.71	1,722.1	157.6	765.2	724.5	40.74	18.782	
11,900.0	10,478.1	11,240.0	9,783.8	20.2	19.1	24.71	1,747.1	157.6	765.3	724.4	40.86	18.729	
11,925.0	10,478.3	11,265.0	9,784.0	20.3	19.3	24.71	1,772.1	157.5	765.3	724.3	40.98	18.674	
11,950.0	10,478.6	11,290.0	9,784.2	20.5	19.5	24.70	1,797.1	157.5	765.4	724.3	41.10	18.620	
11,975.0	10,478.9	11,315.0	9,784.4	20.6	19.6	24.70	1,822.1	157.5	765.4	724.2	41.23	18.565	
12,000.0	10,479.1	11,340.0	9,784.6	20.8	19.8	24.70	1,847.1	157.4	765.5	724.1	41.35	18.511	
12,025.0	10,479.4	11,365.0	9,784.8	21.0	20.0	24.70	1,872.1	157.4	765.5	724.0	41.48	18.455	
12,050.0	10,479.6	11,390.0	9,785.0	21.1	20.1	24.70	1,897.1	157.4	765.6	724.0	41.61	18.399	
12,075.0	10,479.9	11,415.0	9,785.2	21.3	20.3	24.70	1,922.1	157.4	765.6	723.9	41.74	18.344	
12,100.0	10,480.2	11,440.0	9,785.4	21.4	20.5	24.69	1,947.1	157.3	765.7	723.8	41.87	18.288	
12,125.0	10,480.4	11,465.0	9,785.6	21.6	20.6	24.69	1,972.1	157.3	765.7	723.7	42.00	18.231	
12,150.0	10,480.7	11,490.0	9,785.8	21.7	20.8	24.69	1,997.1	157.3	765.8	723.6	42.13	18.175	
12,175.0	10,480.9	11,515.0	9,786.0	21.9	21.0	24.69	2,022.1	157.2	765.8	723.6	42.27	18.118	
12,200.0	10,481.2	11,540.0	9,786.3	22.1	21.2	24.69	2,047.1	157.2	765.9	723.5	42.40	18.061	
12,225.0	10,481.5	11,565.0	9,786.5	22.2	21.3	24.68	2,072.1	157.2	765.9	723.4	42.54	18.004	
12,250.0	10,481.7	11,590.0	9,786.7	22.4	21.5	24.68	2,097.1	157.1	766.0	723.3	42.68	17.947	
12,275.0	10,482.0	11,615.0	9,786.9	22.6	21.7	24.68	2,122.1	157.1	766.0	723.2	42.82	17.889	
12,300.0	10,482.3	11,640.0	9,787.1	22.7	21.9	24.68	2,147.1	157.1	766.1	723.1	42.96	17.832	
12,325.0	10,482.5	11,665.0	9,787.3	22.9	22.0	24.68	2,172.1	157.1	766.1	723.0	43.10	17.774	
12,350.0	10,482.8	11,690.0	9,787.5	23.0	22.2	24.68	2,197.1	157.0	766.2	722.9	43.25	17.716	
12,375.0	10,483.0	11,715.0	9,787.7	23.2	22.4	24.67	2,222.1	157.0	766.2	722.8	43.39	17.658	
12,400.0	10,483.3	11,740.0	9,787.9	23.4	22.6	24.67	2,247.1	157.0	766.3	722.7	43.54	17.601	
12,425.0	10,483.6	11,765.0	9,788.1	23.6	22.7	24.67	2,272.1	156.9	766.3	722.6	43.69	17.542	
12,450.0	10,483.8	11,790.0	9,788.3	23.7	22.9	24.67	2,297.1	156.9	766.4	722.5	43.83	17.484	
12,475.0	10,484.1	11,815.0	9,788.5	23.9	23.1	24.67	2,322.1	156.9	766.4	722.4	43.98	17.426	
12,500.0	10,484.3	11,840.0	9,788.7	24.1	23.3	24.67	2,347.1	156.9	766.5	722.3	44.13	17.368	
12,525.0	10,484.6	11,865.0	9,788.9	24.2	23.5	24.66	2,372.1	156.8	766.5	722.2	44.29	17.309	
12,550.0	10,484.9	11,890.0	9,789.1	24.4	23.6	24.66	2,397.1	156.8	766.6	722.1	44.44	17.251	
12,575.0	10,485.1	11,915.0	9,789.3	24.6	23.8	24.66	2,422.1	156.8	766.6	722.0	44.59	17.192	
12,600.0	10,485.4	11,940.0	9,789.5	24.8	24.0	24.66	2,447.1	156.7	766.7	721.9	44.75	17.134	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,625.0	10,485.6	11,965.0	9,789.7	24.9	24.2	24.66	2,472.1	156.7	766.7	721.8	44.90	17.075	
12,650.0	10,485.9	11,990.0	9,790.0	25.1	24.4	24.66	2,497.1	156.7	766.8	721.7	45.06	17.017	
12,675.0	10,486.2	12,015.0	9,790.2	25.3	24.6	24.65	2,522.1	156.7	766.8	721.6	45.22	16.959	
12,700.0	10,486.4	12,040.0	9,790.4	25.5	24.7	24.65	2,547.1	156.6	766.9	721.5	45.38	16.900	
12,725.0	10,486.7	12,065.0	9,790.6	25.6	24.9	24.65	2,572.1	156.6	766.9	721.4	45.54	16.842	
12,750.0	10,487.0	12,090.0	9,790.8	25.8	25.1	24.65	2,597.1	156.6	767.0	721.3	45.70	16.784	
12,775.0	10,487.2	12,115.0	9,791.0	26.0	25.3	24.65	2,622.1	156.5	767.0	721.2	45.86	16.725	
12,800.0	10,487.5	12,140.0	9,791.2	26.2	25.5	24.64	2,647.1	156.5	767.1	721.1	46.02	16.667	
12,825.0	10,487.7	12,165.0	9,791.4	26.3	25.7	24.64	2,672.1	156.5	767.1	721.0	46.19	16.609	
12,850.0	10,488.0	12,190.0	9,791.6	26.5	25.9	24.64	2,697.1	156.4	767.2	720.8	46.35	16.551	
12,875.0	10,488.3	12,215.0	9,791.8	26.7	26.0	24.64	2,722.1	156.4	767.2	720.7	46.52	16.493	
12,900.0	10,488.5	12,240.0	9,792.0	26.9	26.2	24.64	2,747.1	156.4	767.3	720.6	46.69	16.435	
12,925.0	10,488.8	12,265.0	9,792.2	27.1	26.4	24.64	2,772.1	156.4	767.3	720.5	46.86	16.377	
12,950.0	10,489.0	12,290.0	9,792.4	27.3	26.6	24.63	2,797.1	156.3	767.4	720.4	47.03	16.319	
12,975.0	10,489.3	12,315.0	9,792.6	27.4	26.8	24.63	2,822.1	156.3	767.5	720.3	47.20	16.261	
13,000.0	10,489.6	12,340.0	9,792.8	27.6	27.0	24.63	2,847.1	156.3	767.5	720.1	47.37	16.204	
13,025.0	10,489.8	12,365.0	9,793.0	27.8	27.2	24.63	2,872.1	156.2	767.6	720.0	47.54	16.146	
13,050.0	10,490.1	12,390.0	9,793.2	28.0	27.4	24.63	2,897.1	156.2	767.6	719.9	47.71	16.088	
13,075.0	10,490.4	12,415.0	9,793.4	28.2	27.6	24.63	2,922.1	156.2	767.7	719.8	47.89	16.031	
13,100.0	10,490.6	12,440.0	9,793.6	28.4	27.7	24.62	2,947.1	156.2	767.7	719.6	48.06	15.974	
13,125.0	10,490.9	12,465.0	9,793.9	28.5	27.9	24.62	2,972.1	156.1	767.8	719.5	48.24	15.917	
13,150.0	10,491.1	12,490.0	9,794.1	28.7	28.1	24.62	2,997.1	156.1	767.8	719.4	48.41	15.860	
13,175.0	10,491.4	12,515.0	9,794.3	28.9	28.3	24.62	3,022.1	156.1	767.9	719.3	48.59	15.803	
13,200.0	10,491.7	12,540.0	9,794.5	29.1	28.5	24.62	3,047.1	156.0	767.9	719.1	48.77	15.747	
13,225.0	10,491.9	12,565.0	9,794.7	29.3	28.7	24.62	3,072.1	156.0	768.0	719.0	48.95	15.690	
13,250.0	10,492.2	12,590.0	9,794.9	29.5	28.9	24.61	3,097.1	156.0	768.0	718.9	49.13	15.634	
13,275.0	10,492.4	12,615.0	9,795.1	29.7	29.1	24.61	3,122.1	156.0	768.1	718.8	49.31	15.577	
13,300.0	10,492.7	12,640.0	9,795.3	29.8	29.3	24.61	3,147.1	155.9	768.1	718.6	49.49	15.521	
13,325.0	10,493.0	12,665.0	9,795.5	30.0	29.5	24.61	3,172.1	155.9	768.2	718.5	49.67	15.465	
13,350.0	10,493.2	12,690.0	9,795.7	30.2	29.7	24.61	3,197.1	155.9	768.2	718.4	49.85	15.410	
13,375.0	10,493.5	12,715.0	9,795.9	30.4	29.9	24.60	3,222.1	155.8	768.3	718.2	50.04	15.354	
13,400.0	10,493.8	12,740.0	9,796.1	30.6	30.1	24.60	3,247.1	155.8	768.3	718.1	50.22	15.299	
13,425.0	10,494.0	12,765.0	9,796.3	30.8	30.3	24.60	3,272.1	155.8	768.4	718.0	50.41	15.244	
13,450.0	10,494.3	12,790.0	9,796.5	31.0	30.4	24.60	3,297.1	155.7	768.4	717.8	50.59	15.189	
13,475.0	10,494.5	12,815.0	9,796.7	31.2	30.6	24.60	3,322.1	155.7	768.5	717.7	50.78	15.134	
13,500.0	10,494.8	12,840.0	9,796.9	31.4	30.8	24.60	3,347.1	155.7	768.5	717.6	50.97	15.079	
13,525.0	10,495.1	12,865.0	9,797.1	31.5	31.0	24.59	3,372.1	155.7	768.6	717.4	51.15	15.025	
13,550.0	10,495.3	12,890.0	9,797.3	31.7	31.2	24.59	3,397.1	155.6	768.6	717.3	51.34	14.970	
13,575.0	10,495.6	12,915.0	9,797.5	31.9	31.4	24.59	3,422.1	155.6	768.7	717.1	51.53	14.916	
13,600.0	10,495.8	12,940.0	9,797.8	32.1	31.6	24.59	3,447.1	155.6	768.7	717.0	51.72	14.862	
13,625.0	10,496.1	12,965.0	9,798.0	32.3	31.8	24.59	3,472.1	155.5	768.8	716.9	51.91	14.809	
13,650.0	10,496.4	12,990.0	9,798.2	32.5	32.0	24.59	3,497.0	155.5	768.8	716.7	52.11	14.755	
13,675.0	10,496.6	13,015.0	9,798.4	32.7	32.2	24.58	3,522.0	155.5	768.9	716.6	52.30	14.702	
13,700.0	10,496.9	13,040.0	9,798.6	32.9	32.4	24.58	3,547.0	155.5	768.9	716.4	52.49	14.649	
13,725.0	10,497.1	13,065.0	9,798.8	33.1	32.6	24.58	3,572.0	155.4	769.0	716.3	52.68	14.596	
13,750.0	10,497.4	13,090.0	9,799.0	33.3	32.8	24.58	3,597.0	155.4	769.0	716.2	52.88	14.543	
13,775.0	10,497.7	13,115.0	9,799.2	33.5	33.0	24.58	3,622.0	155.4	769.1	716.0	53.07	14.491	
13,800.0	10,497.9	13,140.0	9,799.4	33.7	33.2	24.58	3,647.0	155.3	769.1	715.9	53.27	14.439	
13,825.0	10,498.2	13,165.0	9,799.6	33.9	33.4	24.57	3,672.0	155.3	769.2	715.7	53.47	14.386	
13,850.0	10,498.5	13,190.0	9,799.8	34.1	33.6	24.57	3,697.0	155.3	769.2	715.6	53.66	14.335	
13,875.0	10,498.7	13,215.0	9,800.0	34.2	33.8	24.57	3,722.0	155.3	769.3	715.4	53.86	14.283	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,900.0	10,499.0	13,240.0	9,800.2	34.4	34.0	24.57	3,747.0	155.2	769.3	715.3	54.06	14.232	
13,925.0	10,499.2	13,265.0	9,800.4	34.6	34.2	24.57	3,772.0	155.2	769.4	715.1	54.26	14.180	
13,950.0	10,499.5	13,290.0	9,800.6	34.8	34.4	24.57	3,797.0	155.2	769.4	715.0	54.46	14.129	
13,975.0	10,499.8	13,315.0	9,800.8	35.0	34.6	24.56	3,822.0	155.1	769.5	714.8	54.66	14.079	
14,000.0	10,500.0	13,340.0	9,801.0	35.2	34.8	24.56	3,847.0	155.1	769.5	714.7	54.86	14.028	
14,025.0	10,500.3	13,365.0	9,801.2	35.4	35.0	24.56	3,872.0	155.1	769.6	714.5	55.06	13.978	
14,050.0	10,500.5	13,390.0	9,801.4	35.6	35.2	24.56	3,897.0	155.0	769.6	714.4	55.26	13.928	
14,075.0	10,500.8	13,415.0	9,801.7	35.8	35.4	24.56	3,922.0	155.0	769.7	714.2	55.46	13.878	
14,100.0	10,501.1	13,440.0	9,801.9	36.0	35.6	24.55	3,947.0	155.0	769.7	714.1	55.66	13.828	
14,125.0	10,501.3	13,465.0	9,802.1	36.2	35.8	24.55	3,972.0	155.0	769.8	713.9	55.87	13.779	
14,150.0	10,501.6	13,490.0	9,802.3	36.4	36.0	24.55	3,997.0	154.9	769.8	713.8	56.07	13.730	
14,175.0	10,501.9	13,515.0	9,802.5	36.6	36.2	24.55	4,022.0	154.9	769.9	713.6	56.28	13.681	
14,200.0	10,502.1	13,540.0	9,802.7	36.8	36.4	24.55	4,047.0	154.9	769.9	713.5	56.48	13.632	
14,225.0	10,502.4	13,565.0	9,802.9	37.0	36.6	24.55	4,072.0	154.8	770.0	713.3	56.69	13.583	
14,250.0	10,502.6	13,590.0	9,803.1	37.2	36.8	24.54	4,097.0	154.8	770.1	713.2	56.89	13.535	
14,275.0	10,502.9	13,615.0	9,803.3	37.4	37.0	24.54	4,122.0	154.8	770.1	713.0	57.10	13.487	
14,300.0	10,503.2	13,640.0	9,803.5	37.6	37.2	24.54	4,147.0	154.8	770.2	712.8	57.31	13.439	
14,325.0	10,503.4	13,665.0	9,803.7	37.8	37.4	24.54	4,172.0	154.7	770.2	712.7	57.51	13.392	
14,350.0	10,503.7	13,690.0	9,803.9	38.0	37.6	24.54	4,197.0	154.7	770.3	712.5	57.72	13.344	
14,375.0	10,503.9	13,715.0	9,804.1	38.2	37.8	24.54	4,222.0	154.7	770.3	712.4	57.93	13.297	
14,400.0	10,504.2	13,740.0	9,804.3	38.4	38.0	24.53	4,247.0	154.6	770.4	712.2	58.14	13.250	
14,425.0	10,504.5	13,765.0	9,804.5	38.6	38.2	24.53	4,272.0	154.6	770.4	712.1	58.35	13.204	
14,450.0	10,504.7	13,790.0	9,804.7	38.8	38.4	24.53	4,297.0	154.6	770.5	711.9	58.56	13.157	
14,475.0	10,505.0	13,815.0	9,804.9	39.0	38.6	24.53	4,322.0	154.6	770.5	711.7	58.77	13.111	
14,500.0	10,505.3	13,840.0	9,805.1	39.2	38.8	24.53	4,347.0	154.5	770.6	711.6	58.98	13.065	
14,525.0	10,505.5	13,865.0	9,805.4	39.4	39.0	24.53	4,372.0	154.5	770.6	711.4	59.19	13.019	
14,550.0	10,505.8	13,890.0	9,805.6	39.6	39.2	24.52	4,397.0	154.5	770.7	711.3	59.40	12.973	
14,575.0	10,506.0	13,915.0	9,805.8	39.8	39.4	24.52	4,422.0	154.4	770.7	711.1	59.62	12.928	
14,600.0	10,506.3	13,940.0	9,806.0	40.0	39.6	24.52	4,447.0	154.4	770.8	710.9	59.83	12.883	
14,625.0	10,506.6	13,965.0	9,806.2	40.2	39.8	24.52	4,472.0	154.4	770.8	710.8	60.04	12.838	
14,650.0	10,506.8	13,990.0	9,806.4	40.4	40.0	24.52	4,497.0	154.3	770.9	710.6	60.25	12.793	
14,675.0	10,507.1	14,015.0	9,806.6	40.6	40.2	24.52	4,522.0	154.3	770.9	710.4	60.47	12.749	
14,700.0	10,507.3	14,040.0	9,806.8	40.8	40.5	24.51	4,547.0	154.3	771.0	710.3	60.68	12.705	
14,725.0	10,507.6	14,065.0	9,807.0	41.0	40.7	24.51	4,572.0	154.3	771.0	710.1	60.90	12.661	
14,750.0	10,507.9	14,090.0	9,807.2	41.2	40.9	24.51	4,597.0	154.2	771.1	710.0	61.11	12.617	
14,775.0	10,508.1	14,115.0	9,807.4	41.4	41.1	24.51	4,622.0	154.2	771.1	709.8	61.33	12.573	
14,800.0	10,508.4	14,140.0	9,807.6	41.6	41.3	24.51	4,647.0	154.2	771.2	709.6	61.55	12.530	
14,825.0	10,508.6	14,165.0	9,807.8	41.8	41.5	24.50	4,672.0	154.1	771.2	709.5	61.76	12.487	
14,850.0	10,508.9	14,190.0	9,808.0	42.0	41.7	24.50	4,697.0	154.1	771.3	709.3	61.98	12.444	
14,875.0	10,509.2	14,215.0	9,808.2	42.2	41.9	24.50	4,722.0	154.1	771.3	709.1	62.20	12.402	
14,900.0	10,509.4	14,240.0	9,808.4	42.4	42.1	24.50	4,747.0	154.1	771.4	709.0	62.41	12.359	
14,925.0	10,509.7	14,265.0	9,808.6	42.6	42.3	24.50	4,772.0	154.0	771.4	708.8	62.63	12.317	
14,950.0	10,510.0	14,290.0	9,808.8	42.8	42.5	24.50	4,797.0	154.0	771.5	708.6	62.85	12.275	
14,975.0	10,510.2	14,315.0	9,809.0	43.0	42.7	24.49	4,822.0	154.0	771.5	708.5	63.07	12.233	
15,000.0	10,510.5	14,340.0	9,809.3	43.2	42.9	24.49	4,847.0	153.9	771.6	708.3	63.29	12.192	
15,025.0	10,510.7	14,365.0	9,809.5	43.4	43.1	24.49	4,872.0	153.9	771.6	708.1	63.51	12.150	
15,050.0	10,511.0	14,390.0	9,809.7	43.6	43.3	24.49	4,897.0	153.9	771.7	708.0	63.73	12.109	
15,075.0	10,511.3	14,415.0	9,809.9	43.8	43.5	24.49	4,922.0	153.9	771.7	707.8	63.95	12.068	
15,100.0	10,511.5	14,440.0	9,810.1	44.0	43.7	24.49	4,947.0	153.8	771.8	707.6	64.17	12.027	
15,125.0	10,511.8	14,465.0	9,810.3	44.2	43.9	24.48	4,972.0	153.8	771.8	707.4	64.39	11.987	
15,150.0	10,512.0	14,490.0	9,810.5	44.4	44.1	24.48	4,997.0	153.8	771.9	707.3	64.61	11.947	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,175.0	10,512.3	14,515.0	9,810.7	44.6	44.3	24.48	5,022.0	153.7	771.9	707.1	64.83	11.907	
15,200.0	10,512.6	14,540.0	9,810.9	44.8	44.5	24.48	5,047.0	153.7	772.0	706.9	65.06	11.867	
15,225.0	10,512.8	14,565.0	9,811.1	45.0	44.8	24.48	5,072.0	153.7	772.0	706.8	65.28	11.827	
15,250.0	10,513.1	14,590.0	9,811.3	45.2	45.0	24.48	5,097.0	153.6	772.1	706.6	65.50	11.788	
15,275.0	10,513.4	14,615.0	9,811.5	45.4	45.2	24.47	5,122.0	153.6	772.1	706.4	65.72	11.748	
15,300.0	10,513.6	14,640.0	9,811.7	45.6	45.4	24.47	5,147.0	153.6	772.2	706.2	65.95	11.709	
15,325.0	10,513.9	14,665.0	9,811.9	45.8	45.6	24.47	5,172.0	153.6	772.2	706.1	66.17	11.670	
15,350.0	10,514.1	14,689.9	9,812.1	46.0	45.8	24.47	5,197.0	153.5	772.3	705.9	66.39	11.632	
15,375.0	10,514.4	14,714.9	9,812.3	46.2	46.0	24.47	5,222.0	153.5	772.3	705.7	66.62	11.593	
15,400.0	10,514.7	14,739.9	9,812.5	46.4	46.2	24.47	5,247.0	153.5	772.4	705.6	66.84	11.555	
15,425.0	10,514.9	14,764.9	9,812.7	46.6	46.4	24.46	5,272.0	153.4	772.4	705.4	67.07	11.517	
15,450.0	10,515.2	14,789.9	9,812.9	46.8	46.6	24.46	5,297.0	153.4	772.5	705.2	67.29	11.479	
15,475.0	10,515.4	14,814.9	9,813.2	47.0	46.8	24.46	5,322.0	153.4	772.5	705.0	67.52	11.442	
15,500.0	10,515.7	14,839.9	9,813.4	47.3	47.0	24.46	5,347.0	153.4	772.6	704.9	67.75	11.404	
15,525.0	10,516.0	14,864.9	9,813.6	47.5	47.2	24.46	5,372.0	153.3	772.7	704.7	67.97	11.367	
15,550.0	10,516.2	14,889.9	9,813.8	47.7	47.4	24.46	5,397.0	153.3	772.7	704.5	68.20	11.330	
15,575.0	10,516.5	14,914.9	9,814.0	47.9	47.6	24.45	5,422.0	153.3	772.8	704.3	68.43	11.293	
15,600.0	10,516.7	14,939.9	9,814.2	48.1	47.8	24.45	5,447.0	153.2	772.8	704.2	68.65	11.257	
15,625.0	10,517.0	14,964.9	9,814.4	48.3	48.1	24.45	5,472.0	153.2	772.9	704.0	68.88	11.220	
15,650.0	10,517.3	14,989.9	9,814.6	48.5	48.3	24.45	5,497.0	153.2	772.9	703.8	69.11	11.184	
15,675.0	10,517.5	15,014.9	9,814.8	48.7	48.5	24.45	5,522.0	153.2	773.0	703.6	69.34	11.148	
15,700.0	10,517.8	15,039.9	9,815.0	48.9	48.7	24.44	5,547.0	153.1	773.0	703.4	69.56	11.112	
15,725.0	10,518.1	15,064.9	9,815.2	49.1	48.9	24.44	5,572.0	153.1	773.1	703.3	69.79	11.077	
15,750.0	10,518.3	15,089.9	9,815.4	49.3	49.1	24.44	5,597.0	153.1	773.1	703.1	70.02	11.041	
15,775.0	10,518.6	15,114.9	9,815.6	49.5	49.3	24.44	5,622.0	153.0	773.2	702.9	70.25	11.006	
15,800.0	10,518.8	15,139.9	9,815.8	49.7	49.5	24.44	5,647.0	153.0	773.2	702.7	70.48	10.971	
15,825.0	10,519.1	15,164.9	9,816.0	49.9	49.7	24.44	5,672.0	153.0	773.3	702.6	70.71	10.936	
15,850.0	10,519.4	15,189.9	9,816.2	50.1	49.9	24.43	5,697.0	152.9	773.3	702.4	70.94	10.901	
15,875.0	10,519.6	15,214.9	9,816.4	50.3	50.1	24.43	5,722.0	152.9	773.4	702.2	71.17	10.867	
15,900.0	10,519.9	15,239.9	9,816.6	50.5	50.3	24.43	5,747.0	152.9	773.4	702.0	71.40	10.832	
15,925.0	10,520.1	15,264.9	9,816.9	50.7	50.5	24.43	5,772.0	152.9	773.5	701.8	71.63	10.798	
15,950.0	10,520.4	15,289.9	9,817.1	50.9	50.7	24.43	5,797.0	152.8	773.5	701.7	71.86	10.764	
15,975.0	10,520.7	15,314.9	9,817.3	51.1	51.0	24.43	5,822.0	152.8	773.6	701.5	72.09	10.730	
16,000.0	10,520.9	15,339.9	9,817.5	51.4	51.2	24.42	5,847.0	152.8	773.6	701.3	72.32	10.697	
16,025.0	10,521.2	15,364.9	9,817.7	51.6	51.4	24.42	5,872.0	152.7	773.7	701.1	72.55	10.663	
16,050.0	10,521.5	15,389.9	9,817.9	51.8	51.6	24.42	5,897.0	152.7	773.7	700.9	72.79	10.630	
16,075.0	10,521.7	15,414.9	9,818.1	52.0	51.8	24.42	5,922.0	152.7	773.8	700.8	73.02	10.597	
16,100.0	10,522.0	15,439.9	9,818.3	52.2	52.0	24.42	5,947.0	152.7	773.8	700.6	73.25	10.564	
16,125.0	10,522.2	15,464.9	9,818.5	52.4	52.2	24.42	5,972.0	152.6	773.9	700.4	73.48	10.531	
16,150.0	10,522.5	15,489.9	9,818.7	52.6	52.4	24.41	5,997.0	152.6	773.9	700.2	73.72	10.499	
16,175.0	10,522.8	15,514.9	9,818.9	52.8	52.6	24.41	6,022.0	152.6	774.0	700.0	73.95	10.466	
16,200.0	10,523.0	15,539.9	9,819.1	53.0	52.8	24.41	6,047.0	152.5	774.0	699.8	74.18	10.434	
16,225.0	10,523.3	15,564.9	9,819.3	53.2	53.0	24.41	6,072.0	152.5	774.1	699.7	74.42	10.402	
16,250.0	10,523.5	15,589.9	9,819.5	53.4	53.2	24.41	6,097.0	152.5	774.1	699.5	74.65	10.370	
16,275.0	10,523.8	15,614.9	9,819.7	53.6	53.4	24.41	6,122.0	152.5	774.2	699.3	74.88	10.338	
16,300.0	10,524.1	15,639.9	9,819.9	53.8	53.7	24.40	6,147.0	152.4	774.2	699.1	75.12	10.307	
16,325.0	10,524.3	15,664.9	9,820.1	54.0	53.9	24.40	6,172.0	152.4	774.3	698.9	75.35	10.276	
16,350.0	10,524.6	15,689.9	9,820.3	54.2	54.1	24.40	6,196.9	152.4	774.3	698.7	75.59	10.244	
16,375.0	10,524.9	15,714.9	9,820.5	54.4	54.3	24.40	6,221.9	152.3	774.4	698.6	75.82	10.213	
16,400.0	10,525.1	15,739.9	9,820.8	54.7	54.5	24.40	6,246.9	152.3	774.4	698.4	76.06	10.182	
16,425.0	10,525.4	15,764.9	9,821.0	54.9	54.7	24.40	6,271.9	152.3	774.5	698.2	76.29	10.152	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,450.0	10,525.6	15,789.9	9,821.2	55.1	54.9	24.39	6,296.9	152.2	774.5	698.0	76.53	10.121	
16,475.0	10,525.9	15,814.9	9,821.4	55.3	55.1	24.39	6,321.9	152.2	774.6	697.8	76.76	10.091	
16,500.0	10,526.2	15,839.9	9,821.6	55.5	55.3	24.39	6,346.9	152.2	774.6	697.6	77.00	10.060	
16,525.0	10,526.4	15,864.9	9,821.8	55.7	55.5	24.39	6,371.9	152.2	774.7	697.5	77.23	10.030	
16,550.0	10,526.7	15,889.9	9,822.0	55.9	55.7	24.39	6,396.9	152.1	774.7	697.3	77.47	10.000	
16,575.0	10,526.9	15,914.9	9,822.2	56.1	55.9	24.39	6,421.9	152.1	774.8	697.1	77.71	9.971	
16,600.0	10,527.2	15,939.9	9,822.4	56.3	56.2	24.38	6,446.9	152.1	774.8	696.9	77.94	9.941	
16,625.0	10,527.5	15,964.9	9,822.6	56.5	56.4	24.38	6,471.9	152.0	774.9	696.7	78.18	9.912	
16,650.0	10,527.7	15,989.9	9,822.8	56.7	56.6	24.38	6,496.9	152.0	774.9	696.5	78.42	9.882	
16,675.0	10,528.0	16,014.9	9,823.0	56.9	56.8	24.38	6,521.9	152.0	775.0	696.3	78.65	9.853	
16,700.0	10,528.2	16,039.9	9,823.2	57.1	57.0	24.38	6,546.9	152.0	775.1	696.2	78.89	9.824	
16,725.0	10,528.5	16,064.9	9,823.4	57.3	57.2	24.37	6,571.9	151.9	775.1	696.0	79.13	9.795	
16,750.0	10,528.8	16,089.9	9,823.6	57.6	57.4	24.37	6,596.9	151.9	775.2	695.8	79.37	9.767	
16,775.0	10,529.0	16,114.9	9,823.8	57.8	57.6	24.37	6,621.9	151.9	775.2	695.6	79.60	9.738	
16,800.0	10,529.3	16,139.9	9,824.0	58.0	57.8	24.37	6,646.9	151.8	775.3	695.4	79.84	9.710	
16,825.0	10,529.6	16,164.9	9,824.2	58.2	58.0	24.37	6,671.9	151.8	775.3	695.2	80.08	9.681	
16,850.0	10,529.8	16,189.9	9,824.4	58.4	58.2	24.37	6,696.9	151.8	775.4	695.0	80.32	9.653	
16,875.0	10,530.1	16,214.9	9,824.7	58.6	58.5	24.36	6,721.9	151.8	775.4	694.8	80.56	9.625	
16,900.0	10,530.3	16,239.9	9,824.9	58.8	58.7	24.36	6,746.9	151.7	775.5	694.7	80.80	9.598	
16,925.0	10,530.6	16,264.9	9,825.1	59.0	58.9	24.36	6,771.9	151.7	775.5	694.5	81.04	9.570	
16,950.0	10,530.9	16,289.9	9,825.3	59.2	59.1	24.36	6,796.9	151.7	775.6	694.3	81.28	9.542	
16,975.0	10,531.1	16,314.9	9,825.5	59.4	59.3	24.36	6,821.9	151.6	775.6	694.1	81.51	9.515	
17,000.0	10,531.4	16,339.9	9,825.7	59.6	59.5	24.36	6,846.9	151.6	775.7	693.9	81.75	9.488	
17,025.0	10,531.6	16,364.9	9,825.9	59.8	59.7	24.35	6,871.9	151.6	775.7	693.7	81.99	9.461	
17,050.0	10,531.9	16,389.9	9,826.1	60.0	59.9	24.35	6,896.9	151.5	775.8	693.5	82.23	9.434	
17,075.0	10,532.2	16,414.9	9,826.3	60.3	60.1	24.35	6,921.9	151.5	775.8	693.3	82.47	9.407	
17,100.0	10,532.4	16,439.9	9,826.5	60.5	60.3	24.35	6,946.9	151.5	775.9	693.2	82.71	9.380	
17,125.0	10,532.7	16,464.9	9,826.7	60.7	60.6	24.35	6,971.9	151.5	775.9	693.0	82.95	9.354	
17,150.0	10,533.0	16,489.9	9,826.9	60.9	60.8	24.35	6,996.9	151.4	776.0	692.8	83.19	9.327	
17,175.0	10,533.2	16,514.9	9,827.1	61.1	61.0	24.34	7,021.9	151.4	776.0	692.6	83.43	9.301	
17,200.0	10,533.5	16,539.9	9,827.3	61.3	61.2	24.34	7,046.9	151.4	776.1	692.4	83.68	9.275	
17,225.0	10,533.7	16,564.9	9,827.5	61.5	61.4	24.34	7,071.9	151.3	776.1	692.2	83.92	9.249	
17,250.0	10,534.0	16,589.9	9,827.7	61.7	61.6	24.34	7,096.9	151.3	776.2	692.0	84.16	9.223	
17,275.0	10,534.3	16,614.9	9,827.9	61.9	61.8	24.34	7,121.9	151.3	776.2	691.8	84.40	9.197	
17,300.0	10,534.5	16,639.9	9,828.1	62.1	62.0	24.34	7,146.9	151.3	776.3	691.6	84.64	9.172	
17,325.0	10,534.8	16,664.9	9,828.3	62.3	62.2	24.33	7,171.9	151.2	776.3	691.4	84.88	9.146	
17,350.0	10,535.0	16,689.9	9,828.6	62.5	62.4	24.33	7,196.9	151.2	776.4	691.3	85.12	9.121	
17,375.0	10,535.3	16,714.9	9,828.8	62.8	62.7	24.33	7,221.9	151.2	776.4	691.1	85.36	9.095	
17,400.0	10,535.6	16,739.9	9,829.0	63.0	62.9	24.33	7,246.9	151.1	776.5	690.9	85.61	9.070	
17,425.0	10,535.8	16,764.9	9,829.2	63.2	63.1	24.33	7,271.9	151.1	776.5	690.7	85.85	9.045	
17,450.0	10,536.1	16,789.9	9,829.4	63.4	63.3	24.33	7,296.9	151.1	776.6	690.5	86.09	9.021	
17,475.0	10,536.4	16,814.9	9,829.6	63.6	63.5	24.32	7,321.9	151.1	776.6	690.3	86.33	8.996	
17,500.0	10,536.6	16,839.9	9,829.8	63.8	63.7	24.32	7,346.9	151.0	776.7	690.1	86.58	8.971	
17,525.0	10,536.9	16,864.9	9,830.0	64.0	63.9	24.32	7,371.9	151.0	776.7	689.9	86.82	8.947	
17,550.0	10,537.1	16,889.9	9,830.2	64.2	64.1	24.32	7,396.9	151.0	776.8	689.7	87.06	8.922	
17,575.0	10,537.4	16,914.9	9,830.4	64.4	64.3	24.32	7,421.9	150.9	776.8	689.5	87.30	8.898	
17,600.0	10,537.7	16,939.9	9,830.6	64.6	64.5	24.32	7,446.9	150.9	776.9	689.3	87.55	8.874	
17,625.0	10,537.9	16,964.9	9,830.8	64.8	64.8	24.31	7,471.9	150.9	776.9	689.2	87.79	8.850	
17,650.0	10,538.2	16,989.9	9,831.0	65.0	65.0	24.31	7,496.9	150.8	777.0	689.0	88.03	8.826	
17,675.0	10,538.4	17,014.9	9,831.2	65.3	65.2	24.31	7,521.9	150.8	777.0	688.8	88.28	8.802	
17,700.0	10,538.7	17,039.9	9,831.4	65.5	65.4	24.31	7,546.9	150.8	777.1	688.6	88.52	8.779	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,725.0	10,539.0	17,064.9	9,831.6	65.7	65.6	24.31	7,571.9	150.8	777.1	688.4	88.76	8.755	
17,750.0	10,539.2	17,089.9	9,831.8	65.9	65.8	24.31	7,596.9	150.7	777.2	688.2	89.01	8.732	
17,775.0	10,539.5	17,114.9	9,832.0	66.1	66.0	24.30	7,621.9	150.7	777.2	688.0	89.25	8.709	
17,800.0	10,539.7	17,139.9	9,832.3	66.3	66.2	24.30	7,646.9	150.7	777.3	687.8	89.50	8.685	
17,825.0	10,540.0	17,164.9	9,832.5	66.5	66.4	24.30	7,671.9	150.6	777.3	687.6	89.74	8.662	
17,850.0	10,540.3	17,189.9	9,832.7	66.7	66.6	24.30	7,696.9	150.6	777.4	687.4	89.98	8.639	
17,875.0	10,540.5	17,214.9	9,832.9	66.9	66.9	24.30	7,721.9	150.6	777.5	687.2	90.23	8.617	
17,900.0	10,540.8	17,239.9	9,833.1	67.1	67.1	24.30	7,746.9	150.6	777.5	687.0	90.47	8.594	
17,925.0	10,541.1	17,264.9	9,833.3	67.3	67.3	24.29	7,771.9	150.5	777.6	686.8	90.72	8.571	
17,950.0	10,541.3	17,289.9	9,833.5	67.6	67.5	24.29	7,796.9	150.5	777.6	686.6	90.96	8.549	
17,975.0	10,541.6	17,314.9	9,833.7	67.8	67.7	24.29	7,821.9	150.5	777.7	686.4	91.21	8.526	
18,000.0	10,541.8	17,339.9	9,833.9	68.0	67.9	24.29	7,846.9	150.4	777.7	686.3	91.45	8.504	
18,025.0	10,542.1	17,364.9	9,834.1	68.2	68.1	24.29	7,871.9	150.4	777.8	686.1	91.70	8.482	
18,050.0	10,542.4	17,389.9	9,834.3	68.4	68.3	24.29	7,896.9	150.4	777.8	685.9	91.94	8.460	
18,075.0	10,542.6	17,414.9	9,834.5	68.6	68.5	24.28	7,921.9	150.4	777.9	685.7	92.19	8.438	
18,100.0	10,542.9	17,439.9	9,834.7	68.8	68.7	24.28	7,946.9	150.3	777.9	685.5	92.43	8.416	
18,125.0	10,543.1	17,464.9	9,834.9	69.0	69.0	24.28	7,971.9	150.3	778.0	685.3	92.68	8.394	
18,150.0	10,543.4	17,489.9	9,835.1	69.2	69.2	24.28	7,996.9	150.3	778.0	685.1	92.92	8.373	
18,175.0	10,543.7	17,514.9	9,835.3	69.4	69.4	24.28	8,021.9	150.2	778.1	684.9	93.17	8.351	
18,200.0	10,543.9	17,539.9	9,835.5	69.7	69.6	24.27	8,046.9	150.2	778.1	684.7	93.42	8.330	
18,225.0	10,544.2	17,564.9	9,835.7	69.9	69.8	24.27	8,071.9	150.2	778.2	684.5	93.66	8.308	
18,250.0	10,544.5	17,589.9	9,835.9	70.1	70.0	24.27	8,096.9	150.1	778.2	684.3	93.91	8.287	
18,275.0	10,544.7	17,614.9	9,836.2	70.3	70.2	24.27	8,121.9	150.1	778.3	684.1	94.15	8.266	
18,300.0	10,545.0	17,639.9	9,836.4	70.5	70.4	24.27	8,146.9	150.1	778.3	683.9	94.40	8.245	
18,325.0	10,545.2	17,664.9	9,836.6	70.7	70.6	24.27	8,171.9	150.1	778.4	683.7	94.65	8.224	
18,350.0	10,545.5	17,689.9	9,836.8	70.9	70.9	24.26	8,196.9	150.0	778.4	683.5	94.89	8.203	
18,375.0	10,545.8	17,714.9	9,837.0	71.1	71.1	24.26	8,221.9	150.0	778.5	683.3	95.14	8.182	
18,400.0	10,546.0	17,739.9	9,837.2	71.3	71.3	24.26	8,246.9	150.0	778.5	683.1	95.39	8.162	
18,425.0	10,546.3	17,764.9	9,837.4	71.5	71.5	24.26	8,271.9	149.9	778.6	682.9	95.63	8.141	
18,450.0	10,546.5	17,789.9	9,837.6	71.7	71.7	24.26	8,296.9	149.9	778.6	682.7	95.88	8.121	
18,475.0	10,546.8	17,814.9	9,837.8	72.0	71.9	24.26	8,321.9	149.9	778.7	682.6	96.13	8.101	
18,500.0	10,547.1	17,839.9	9,838.0	72.2	72.1	24.25	8,346.9	149.9	778.7	682.4	96.37	8.080	
18,525.0	10,547.3	17,864.9	9,838.2	72.4	72.3	24.25	8,371.9	149.8	778.8	682.2	96.62	8.060	
18,550.0	10,547.6	17,889.9	9,838.4	72.6	72.5	24.25	8,396.9	149.8	778.8	682.0	96.87	8.040	
18,575.0	10,547.9	17,914.9	9,838.6	72.8	72.8	24.25	8,421.9	149.8	778.9	681.8	97.12	8.020	
18,600.0	10,548.1	17,939.9	9,838.8	73.0	73.0	24.25	8,446.9	149.7	778.9	681.6	97.36	8.000	
18,625.0	10,548.4	17,964.9	9,839.0	73.2	73.2	24.25	8,471.9	149.7	779.0	681.4	97.61	7.981	
18,650.0	10,548.6	17,989.9	9,839.2	73.4	73.4	24.24	8,496.9	149.7	779.0	681.2	97.86	7.961	
18,675.0	10,548.9	18,014.9	9,839.4	73.6	73.6	24.24	8,521.9	149.7	779.1	681.0	98.11	7.941	
18,700.0	10,549.2	18,039.9	9,839.6	73.8	73.8	24.24	8,546.9	149.6	779.1	680.8	98.35	7.922	
18,725.0	10,549.4	18,064.9	9,839.8	74.1	74.0	24.24	8,571.9	149.6	779.2	680.6	98.60	7.902	
18,750.0	10,549.7	18,089.9	9,840.1	74.3	74.2	24.24	8,596.9	149.6	779.2	680.4	98.85	7.883	
18,775.0	10,549.9	18,114.9	9,840.3	74.5	74.4	24.24	8,621.9	149.5	779.3	680.2	99.10	7.864	
18,800.0	10,550.2	18,139.9	9,840.5	74.7	74.7	24.23	8,646.9	149.5	779.3	680.0	99.35	7.845	
18,825.0	10,550.5	18,164.9	9,840.7	74.9	74.9	24.23	8,671.9	149.5	779.4	679.8	99.59	7.826	
18,850.0	10,550.7	18,189.9	9,840.9	75.1	75.1	24.23	8,696.9	149.4	779.4	679.6	99.84	7.807	
18,875.0	10,551.0	18,214.9	9,841.1	75.3	75.3	24.23	8,721.9	149.4	779.5	679.4	100.09	7.788	
18,900.0	10,551.2	18,239.9	9,841.3	75.5	75.5	24.23	8,746.9	149.4	779.5	679.2	100.34	7.769	
18,925.0	10,551.5	18,264.9	9,841.5	75.7	75.7	24.23	8,771.9	149.4	779.6	679.0	100.59	7.750	
18,950.0	10,551.8	18,289.9	9,841.7	76.0	75.9	24.22	8,796.9	149.3	779.6	678.8	100.84	7.732	
18,975.0	10,552.0	18,314.9	9,841.9	76.2	76.1	24.22	8,821.9	149.3	779.7	678.6	101.09	7.713	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,000.0	10,552.3	18,339.9	9,842.1	76.4	76.3	24.22	8,846.9	149.3	779.8	678.4	101.33	7.695	
19,025.0	10,552.6	18,364.9	9,842.3	76.6	76.6	24.22	8,871.9	149.2	779.8	678.2	101.58	7.677	
19,050.0	10,552.8	18,389.9	9,842.5	76.8	76.8	24.22	8,896.9	149.2	779.9	678.0	101.83	7.658	
19,075.0	10,553.1	18,414.9	9,842.7	77.0	77.0	24.22	8,921.8	149.2	779.9	677.8	102.08	7.640	
19,100.0	10,553.3	18,439.9	9,842.9	77.2	77.2	24.21	8,946.8	149.2	780.0	677.6	102.33	7.622	
19,125.0	10,553.6	18,464.9	9,843.1	77.4	77.4	24.21	8,971.8	149.1	780.0	677.4	102.58	7.604	
19,150.0	10,553.9	18,489.9	9,843.3	77.6	77.6	24.21	8,996.8	149.1	780.1	677.2	102.83	7.586	
19,175.0	10,554.1	18,514.9	9,843.5	77.8	77.8	24.21	9,021.8	149.1	780.1	677.0	103.08	7.568	
19,200.0	10,554.4	18,539.9	9,843.8	78.1	78.0	24.21	9,046.8	149.0	780.2	676.8	103.33	7.550	
19,225.0	10,554.6	18,564.9	9,844.0	78.3	78.2	24.21	9,071.8	149.0	780.2	676.6	103.58	7.533	
19,250.0	10,554.9	18,589.9	9,844.2	78.5	78.5	24.20	9,096.8	149.0	780.3	676.4	103.83	7.515	
19,275.0	10,555.2	18,614.9	9,844.4	78.7	78.7	24.20	9,121.8	149.0	780.3	676.2	104.08	7.497	
19,300.0	10,555.4	18,639.9	9,844.6	78.9	78.9	24.20	9,146.8	148.9	780.4	676.0	104.33	7.480	
19,325.0	10,555.7	18,664.9	9,844.8	79.1	79.1	24.20	9,171.8	148.9	780.4	675.8	104.58	7.463	
19,350.0	10,556.0	18,689.9	9,845.0	79.3	79.3	24.20	9,196.8	148.9	780.5	675.6	104.83	7.445	
19,375.0	10,556.2	18,714.9	9,845.2	79.5	79.5	24.20	9,221.8	148.8	780.5	675.4	105.08	7.428	
19,400.0	10,556.5	18,739.9	9,845.4	79.7	79.7	24.19	9,246.8	148.8	780.6	675.2	105.33	7.411	
19,425.0	10,556.7	18,764.9	9,845.6	80.0	79.9	24.19	9,271.8	148.8	780.6	675.0	105.58	7.394	
19,450.0	10,557.0	18,789.9	9,845.8	80.2	80.2	24.19	9,296.8	148.7	780.7	674.8	105.83	7.377	
19,475.0	10,557.3	18,814.9	9,846.0	80.4	80.4	24.19	9,321.8	148.7	780.7	674.6	106.08	7.360	
19,500.0	10,557.5	18,839.9	9,846.2	80.6	80.6	24.19	9,346.8	148.7	780.8	674.4	106.33	7.343	
19,525.0	10,557.8	18,864.9	9,846.4	80.8	80.8	24.19	9,371.8	148.7	780.8	674.2	106.58	7.326	
19,550.0	10,558.0	18,889.9	9,846.6	81.0	81.0	24.18	9,396.8	148.6	780.9	674.0	106.83	7.310	
19,575.0	10,558.3	18,914.9	9,846.8	81.2	81.2	24.18	9,421.8	148.6	780.9	673.8	107.08	7.293	
19,600.0	10,558.6	18,939.9	9,847.0	81.4	81.4	24.18	9,446.8	148.6	781.0	673.6	107.33	7.276	
19,625.0	10,558.8	18,964.9	9,847.2	81.6	81.6	24.18	9,471.8	148.5	781.0	673.4	107.58	7.260	
19,650.0	10,559.1	18,989.9	9,847.4	81.8	81.8	24.18	9,496.8	148.5	781.1	673.2	107.83	7.244	
19,675.0	10,559.3	19,014.9	9,847.7	82.1	82.1	24.18	9,521.8	148.5	781.1	673.0	108.08	7.227	
19,700.0	10,559.6	19,039.9	9,847.9	82.3	82.3	24.17	9,546.8	148.5	781.2	672.9	108.33	7.211	
19,725.0	10,559.9	19,064.9	9,848.1	82.5	82.5	24.17	9,571.8	148.4	781.2	672.7	108.58	7.195	
19,750.0	10,560.1	19,089.9	9,848.3	82.7	82.7	24.17	9,596.8	148.4	781.3	672.5	108.83	7.179	
19,775.0	10,560.4	19,114.9	9,848.5	82.9	82.9	24.17	9,621.8	148.4	781.3	672.3	109.08	7.163	
19,800.0	10,560.7	19,139.9	9,848.7	83.1	83.1	24.17	9,646.8	148.3	781.4	672.1	109.34	7.147	
19,825.0	10,560.9	19,164.9	9,848.9	83.3	83.3	24.17	9,671.8	148.3	781.4	671.9	109.59	7.131	
19,850.0	10,561.2	19,189.9	9,849.1	83.5	83.5	24.16	9,696.8	148.3	781.5	671.7	109.84	7.115	
19,875.0	10,561.4	19,214.9	9,849.3	83.7	83.8	24.16	9,721.8	148.3	781.5	671.5	110.09	7.099	
19,900.0	10,561.7	19,239.9	9,849.5	84.0	84.0	24.16	9,746.8	148.2	781.6	671.3	110.34	7.083	
19,925.0	10,562.0	19,264.9	9,849.7	84.2	84.2	24.16	9,771.8	148.2	781.6	671.0	110.59	7.068	
19,950.0	10,562.2	19,289.9	9,849.9	84.4	84.4	24.16	9,796.8	148.2	781.7	670.8	110.84	7.052	
19,975.0	10,562.5	19,314.9	9,850.1	84.6	84.6	24.16	9,821.8	148.1	781.7	670.6	111.10	7.037	
20,000.0	10,562.7	19,339.9	9,850.3	84.8	84.8	24.15	9,846.8	148.1	781.8	670.4	111.35	7.021	
20,025.0	10,563.0	19,364.9	9,850.5	85.0	85.0	24.15	9,871.8	148.1	781.8	670.2	111.60	7.006	
20,050.0	10,563.3	19,389.9	9,850.7	85.2	85.2	24.15	9,896.8	148.0	781.9	670.0	111.85	6.991	
20,075.0	10,563.5	19,414.9	9,850.9	85.4	85.4	24.15	9,921.8	148.0	781.9	669.8	112.10	6.975	
20,100.0	10,563.8	19,439.9	9,851.1	85.6	85.7	24.15	9,946.8	148.0	782.0	669.6	112.35	6.960	
20,125.0	10,564.1	19,464.9	9,851.3	85.9	85.9	24.15	9,971.8	148.0	782.1	669.4	112.61	6.945	
20,150.0	10,564.3	19,489.9	9,851.6	86.1	86.1	24.14	9,996.8	147.9	782.1	669.2	112.86	6.930	
20,175.0	10,564.6	19,514.9	9,851.8	86.3	86.3	24.14	10,021.8	147.9	782.2	669.0	113.11	6.915	
20,200.0	10,564.8	19,539.9	9,852.0	86.5	86.5	24.14	10,046.8	147.9	782.2	668.8	113.36	6.900	
20,225.0	10,565.1	19,564.9	9,852.2	86.7	86.7	24.14	10,071.8	147.8	782.3	668.6	113.61	6.885	
20,250.0	10,565.4	19,589.9	9,852.4	86.9	86.9	24.14	10,096.8	147.8	782.3	668.4	113.87	6.870	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,275.0	10,565.6	19,614.9	9,852.6	87.1	87.1	24.14	10,121.8	147.8	782.4	668.2	114.12	6.856	
20,300.0	10,565.9	19,639.9	9,852.8	87.3	87.4	24.13	10,146.8	147.8	782.4	668.0	114.37	6.841	
20,325.0	10,566.1	19,664.9	9,853.0	87.5	87.6	24.13	10,171.8	147.7	782.5	667.8	114.62	6.826	
20,350.0	10,566.4	19,689.9	9,853.2	87.8	87.8	24.13	10,196.8	147.7	782.5	667.6	114.88	6.812	
20,375.0	10,566.7	19,714.9	9,853.4	88.0	88.0	24.13	10,221.8	147.7	782.6	667.4	115.13	6.797	
20,400.0	10,566.9	19,739.9	9,853.6	88.2	88.2	24.13	10,246.8	147.6	782.6	667.2	115.38	6.783	
20,425.0	10,567.2	19,764.9	9,853.8	88.4	88.4	24.13	10,271.8	147.6	782.7	667.0	115.63	6.769	
20,450.0	10,567.5	19,789.9	9,854.0	88.6	88.6	24.12	10,296.8	147.6	782.7	666.8	115.89	6.754	
20,475.0	10,567.7	19,814.9	9,854.2	88.8	88.8	24.12	10,321.8	147.6	782.8	666.6	116.14	6.740	
20,500.0	10,568.0	19,839.9	9,854.4	89.0	89.0	24.12	10,346.8	147.5	782.8	666.4	116.39	6.726	
20,525.0	10,568.2	19,864.9	9,854.6	89.2	89.3	24.12	10,371.8	147.5	782.9	666.2	116.64	6.712	
20,550.0	10,568.5	19,889.9	9,854.8	89.4	89.5	24.12	10,396.8	147.5	782.9	666.0	116.90	6.698	
20,575.0	10,568.8	19,914.9	9,855.0	89.7	89.7	24.12	10,421.8	147.4	783.0	665.8	117.15	6.684	
20,600.0	10,569.0	19,939.9	9,855.2	89.9	89.9	24.11	10,446.8	147.4	783.0	665.6	117.40	6.670	
20,625.0	10,569.3	19,964.9	9,855.5	90.1	90.1	24.11	10,471.8	147.4	783.1	665.4	117.66	6.656	
20,650.0	10,569.5	19,989.9	9,855.7	90.3	90.3	24.11	10,496.8	147.3	783.1	665.2	117.91	6.642	
20,675.0	10,569.8	20,014.9	9,855.9	90.5	90.5	24.11	10,521.8	147.3	783.2	665.0	118.16	6.628	
20,693.8	10,570.0	20,031.2	9,856.0	90.7	90.7	24.11	10,538.1	147.3	783.2	664.9	118.37	6.617 SF	
20,694.2	10,570.0	20,031.2	9,856.0	90.7	90.7	24.11	10,538.1	147.3	783.2	664.9	118.35	6.618	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	100.97	-38.8	200.2	203.9				
25.0	25.0	25.9	25.9	0.5	0.1	100.97	-38.8	200.2	203.9				
50.0	50.0	50.9	50.9	0.5	0.3	100.97	-38.8	200.2	203.9	202.6	1.28	159.643	
75.0	75.0	75.9	75.9	0.5	0.4	100.97	-38.8	200.2	203.9	202.6	1.37	148.608	
100.0	100.0	100.9	100.9	0.5	0.5	100.97	-38.8	200.2	203.9	202.4	1.49	136.897	
125.0	125.0	125.9	125.9	0.6	0.6	100.97	-38.8	200.2	203.9	202.2	1.74	117.497	
150.0	150.0	150.9	150.9	0.8	0.8	100.97	-38.8	200.2	203.9	201.9	1.98	102.912	
175.0	175.0	175.9	175.9	0.9	0.9	100.97	-38.8	200.2	203.9	201.7	2.23	91.549	
200.0	200.0	200.9	200.9	1.0	1.0	100.97	-38.8	200.2	203.9	201.5	2.47	82.497	
225.0	225.0	225.9	225.9	1.1	1.1	100.97	-38.8	200.2	203.9	201.3	2.63	77.490	
250.0	250.0	250.9	250.9	1.2	1.2	100.97	-38.8	200.2	203.9	201.1	2.79	73.056	
275.0	275.0	275.9	275.9	1.3	1.3	100.97	-38.8	200.2	203.9	201.0	2.95	69.102	
300.0	300.0	300.9	300.9	1.4	1.4	100.97	-38.8	200.2	203.9	200.8	3.11	65.566	
325.0	325.0	325.9	325.9	1.4	1.4	100.97	-38.8	200.2	203.9	200.7	3.24	62.974	
350.0	350.0	350.9	350.9	1.5	1.5	100.97	-38.8	200.2	203.9	200.6	3.37	60.579	
375.0	375.0	375.9	375.9	1.6	1.6	100.97	-38.8	200.2	203.9	200.4	3.49	58.359	
400.0	400.0	400.9	400.9	1.6	1.6	100.97	-38.8	200.2	203.9	200.3	3.62	56.302	
425.0	425.0	425.9	425.9	1.7	1.7	100.97	-38.8	200.2	203.9	200.2	3.73	54.642	
450.0	450.0	450.9	450.9	1.8	1.8	100.97	-38.8	200.2	203.9	200.1	3.84	53.077	
475.0	475.0	475.9	475.9	1.8	1.8	100.97	-38.8	200.2	203.9	200.0	3.95	51.600	
500.0	500.0	500.9	500.9	1.9	1.9	100.97	-38.8	200.2	203.9	199.9	4.06	50.205	
525.0	525.0	525.9	525.9	1.9	1.9	100.97	-38.8	200.2	203.9	199.8	4.16	49.022	
550.0	550.0	550.9	550.9	2.0	2.0	100.97	-38.8	200.2	203.9	199.7	4.26	47.894	
575.0	575.0	575.9	575.9	2.1	2.1	100.97	-38.8	200.2	203.9	199.6	4.36	46.816	
600.0	600.0	600.9	600.9	2.1	2.1	100.97	-38.8	200.2	203.9	199.5	4.45	45.787	
625.0	625.0	625.9	625.9	2.2	2.2	100.97	-38.8	200.2	203.9	199.4	4.54	44.888	
650.0	650.0	650.9	650.9	2.2	2.2	100.97	-38.8	200.2	203.9	199.3	4.63	44.022	
675.0	675.0	675.9	675.9	2.3	2.3	100.97	-38.8	200.2	203.9	199.2	4.72	43.190	
700.0	700.0	700.9	700.9	2.3	2.3	100.97	-38.8	200.2	203.9	199.1	4.81	42.390	
725.0	725.0	725.9	725.9	2.4	2.4	100.97	-38.8	200.2	203.9	199.0	4.89	41.675	
750.0	750.0	750.9	750.9	2.4	2.4	100.97	-38.8	200.2	203.9	198.9	4.98	40.983	
775.0	775.0	775.9	775.9	2.5	2.5	100.97	-38.8	200.2	203.9	198.9	5.06	40.314	
800.0	800.0	800.9	800.9	2.5	2.5	100.97	-38.8	200.2	203.9	198.8	5.14	39.668	
825.0	825.0	825.9	825.9	2.6	2.6	100.97	-38.8	200.2	203.9	198.7	5.22	39.081	
850.0	850.0	850.9	850.9	2.6	2.6	100.97	-38.8	200.2	203.9	198.6	5.30	38.512	
875.0	875.0	875.9	875.9	2.6	2.6	100.97	-38.8	200.2	203.9	198.6	5.37	37.959	
900.0	900.0	900.9	900.9	2.7	2.7	100.97	-38.8	200.2	203.9	198.5	5.45	37.422	
925.0	925.0	925.9	925.9	2.7	2.7	100.97	-38.8	200.2	203.9	198.4	5.52	36.929	
950.0	950.0	950.9	950.9	2.8	2.8	100.97	-38.8	200.2	203.9	198.3	5.59	36.449	
975.0	975.0	975.9	975.9	2.8	2.8	100.97	-38.8	200.2	203.9	198.3	5.67	35.981	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	100.97	-38.8	200.2	203.9	198.2	5.74	35.526	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	100.97	-38.8	200.2	203.9	198.1	5.81	35.104	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	100.97	-38.8	200.2	203.9	198.0	5.88	34.692	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	100.97	-38.8	200.2	203.9	198.0	5.95	34.289	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	100.97	-38.8	200.2	203.9	197.9	6.02	33.896	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	100.97	-38.8	200.2	203.9	197.8	6.08	33.530	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	100.97	-38.8	200.2	203.9	197.8	6.15	33.171	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	100.97	-38.8	200.2	203.9	197.7	6.21	32.820	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	100.97	-38.8	200.2	203.9	197.6	6.28	32.476	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	100.97	-38.8	200.2	203.9	197.6	6.34	32.153	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	100.97	-38.8	200.2	203.9	197.5	6.41	31.837	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	100.97	-38.8	200.2	203.9	197.5	6.47	31.527	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	100.97	-38.8	200.2	203.9	197.4	6.53	31.223	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	100.97	-38.8	200.2	203.9	197.3	6.59	30.936	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	100.97	-38.8	200.2	203.9	197.3	6.65	30.655	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	100.97	-38.8	200.2	203.9	197.2	6.71	30.378	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	100.97	-38.8	200.2	203.9	197.2	6.77	30.107	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	100.97	-38.8	200.2	203.9	197.1	6.83	29.850	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	100.97	-38.8	200.2	203.9	197.0	6.89	29.597	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	100.97	-38.8	200.2	203.9	197.0	6.95	29.348	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	100.97	-38.8	200.2	203.9	196.9	7.01	29.104	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	100.97	-38.8	200.2	203.9	196.9	7.06	28.871	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	100.97	-38.8	200.2	203.9	196.8	7.12	28.643	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	100.97	-38.8	200.2	203.9	196.7	7.18	28.417	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	100.97	-38.8	200.2	203.9	196.7	7.23	28.196	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	100.97	-38.8	200.2	203.9	196.6	7.29	27.984	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	100.97	-38.8	200.2	203.9	196.6	7.34	27.776	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	100.97	-38.8	200.2	203.9	196.5	7.40	27.571	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	100.97	-38.8	200.2	203.9	196.5	7.45	27.369	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	100.97	-38.8	200.2	203.9	196.4	7.50	27.175	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	100.97	-38.8	200.2	203.9	196.4	7.56	26.984	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	100.97	-38.8	200.2	203.9	196.3	7.61	26.796	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	100.97	-38.8	200.2	203.9	196.3	7.66	26.611	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	100.97	-38.8	200.2	203.9	196.2	7.71	26.433	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	100.97	-38.8	200.2	203.9	196.2	7.77	26.257	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	100.97	-38.8	200.2	203.9	196.1	7.82	26.084	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	100.97	-38.8	200.2	203.9	196.1	7.87	25.913	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	100.97	-38.8	200.2	203.9	196.0	7.92	25.749	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	100.97	-38.8	200.2	203.9	196.0	7.97	25.586	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	100.97	-38.8	200.2	203.9	195.9	8.02	25.426	
2,000.0	2,000.0	2,001.0	2,001.0	4.4	4.4	100.97	-38.8	200.2	203.9	195.9	8.07	25.264	
2,025.0	2,025.0	2,027.9	2,027.9	4.4	4.4	155.58	-38.8	200.1	203.9	195.7	8.17	24.942	
2,050.0	2,050.0	2,054.8	2,054.8	4.5	4.5	155.62	-38.7	199.7	203.8	195.6	8.28	24.612	
2,075.0	2,075.0	2,081.7	2,081.7	4.5	4.5	155.68	-38.6	199.1	203.7	195.3	8.39	24.275	
2,100.0	2,100.0	2,108.6	2,108.6	4.6	4.5	155.78	-38.4	198.2	203.6	195.1	8.51	23.914	
2,125.0	2,125.0	2,135.5	2,135.5	4.6	4.6	155.89	-38.1	197.1	203.4	194.8	8.67	23.466	
2,150.0	2,149.9	2,162.4	2,162.3	4.7	4.6	156.04	-37.8	195.7	203.2	194.4	8.83	23.029	
2,175.0	2,174.9	2,189.3	2,189.2	4.7	4.7	156.21	-37.5	194.1	203.0	194.0	8.98	22.601	
2,200.0	2,199.8	2,216.2	2,216.0	4.8	4.7	156.41	-37.1	192.2	202.7	193.6	9.14	22.180	
2,225.0	2,224.8	2,243.1	2,242.8	4.8	4.8	156.63	-36.6	190.1	202.4	193.1	9.30	21.763	
2,250.0	2,249.7	2,270.0	2,269.6	4.9	4.8	156.88	-36.1	187.8	202.1	192.6	9.46	21.357	
2,275.0	2,274.6	2,296.9	2,296.3	5.0	4.9	157.16	-35.6	185.2	201.7	192.1	9.62	20.960	
2,300.0	2,299.5	2,323.7	2,323.1	5.0	4.9	157.46	-34.9	182.3	201.3	191.5	9.79	20.563	
2,325.0	2,324.3	2,350.6	2,349.7	5.1	5.0	157.80	-34.3	179.3	200.9	190.9	9.96	20.169	
2,350.0	2,349.1	2,377.4	2,376.4	5.2	5.1	158.16	-33.6	175.9	200.5	190.3	10.13	19.789	
2,375.0	2,373.9	2,404.3	2,402.9	5.2	5.1	158.55	-32.8	172.4	200.0	189.7	10.30	19.416	
2,400.1	2,398.8	2,431.2	2,429.6	5.3	5.2	158.97	-32.0	168.5	199.5	189.0	10.48	19.043	
2,425.0	2,423.5	2,457.9	2,456.0	5.4	5.3	159.40	-31.1	164.5	198.9	188.2	10.63	18.703	
2,450.0	2,448.2	2,484.7	2,482.4	5.4	5.4	159.84	-30.2	160.2	198.0	187.2	10.79	18.351	
2,475.0	2,473.0	2,511.5	2,508.8	5.5	5.5	160.28	-29.2	155.7	197.0	186.0	10.94	18.002	
2,500.0	2,497.7	2,538.3	2,535.1	5.6	5.6	160.73	-28.2	150.9	195.7	184.6	11.08	17.663	
2,525.0	2,522.5	2,565.0	2,561.3	5.6	5.6	161.20	-27.1	145.9	194.2	183.0	11.22	17.306	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,590.6	2,586.4	5.7	5.7	161.66	-26.0	140.9	192.5	181.2	11.35	16.958	
2,575.0	2,572.0	2,615.5	2,610.8	5.7	5.8	162.11	-25.0	136.1	190.8	179.3	11.50	16.599	
2,600.0	2,596.8	2,640.4	2,635.2	5.8	5.8	162.57	-23.9	131.2	189.2	177.5	11.65	16.233	
2,625.0	2,621.5	2,665.3	2,659.6	5.9	5.9	163.04	-22.9	126.4	187.5	175.7	11.81	15.872	
2,650.0	2,646.3	2,690.2	2,684.0	6.0	6.0	163.52	-21.8	121.5	185.8	173.9	11.97	15.522	
2,675.0	2,671.0	2,715.1	2,708.4	6.0	6.1	164.00	-20.8	116.7	184.2	172.1	12.14	15.179	
2,700.0	2,695.8	2,740.0	2,732.8	6.1	6.2	164.50	-19.7	111.8	182.6	170.3	12.30	14.846	
2,725.0	2,720.5	2,764.8	2,757.2	6.2	6.2	165.00	-18.7	107.0	181.0	168.5	12.47	14.519	
2,750.0	2,745.3	2,789.7	2,781.6	6.2	6.3	165.51	-17.6	102.1	179.4	166.8	12.63	14.201	
2,775.0	2,770.1	2,814.6	2,806.0	6.3	6.4	166.03	-16.6	97.3	177.8	165.0	12.80	13.890	
2,800.0	2,794.8	2,839.5	2,830.4	6.4	6.5	166.56	-15.5	92.4	176.3	163.3	12.97	13.587	
2,825.0	2,819.6	2,864.4	2,854.8	6.5	6.6	167.10	-14.5	87.6	174.7	161.6	13.15	13.290	
2,850.0	2,844.3	2,889.3	2,879.2	6.5	6.7	167.65	-13.5	82.7	173.2	159.9	13.32	13.002	
2,875.0	2,869.1	2,914.2	2,903.6	6.6	6.8	168.21	-12.4	77.9	171.7	158.2	13.49	12.721	
2,900.0	2,893.8	2,939.1	2,928.0	6.7	6.8	168.78	-11.4	73.0	170.2	156.5	13.67	12.447	
2,925.0	2,918.6	2,964.0	2,952.4	6.8	6.9	169.36	-10.3	68.2	168.7	154.8	13.85	12.180	
2,950.0	2,943.3	2,988.9	2,976.8	6.9	7.0	169.95	-9.3	63.3	167.2	153.2	14.03	11.921	
2,975.0	2,968.1	3,013.8	3,001.2	7.0	7.1	170.55	-8.2	58.5	165.8	151.6	14.21	11.668	
3,000.0	2,992.9	3,038.7	3,025.6	7.0	7.2	171.16	-7.2	53.6	164.3	150.0	14.39	11.423	
3,025.0	3,017.6	3,063.6	3,050.0	7.1	7.3	171.78	-6.1	48.8	162.9	148.4	14.57	11.184	
3,050.0	3,042.4	3,088.5	3,074.4	7.2	7.4	172.41	-5.1	43.9	161.6	146.8	14.75	10.953	
3,075.0	3,067.1	3,113.4	3,098.7	7.3	7.5	173.06	-4.0	39.1	160.2	145.3	14.93	10.728	
3,100.0	3,091.9	3,138.3	3,123.1	7.4	7.6	173.71	-3.0	34.2	158.8	143.7	15.11	10.510	
3,125.0	3,116.6	3,163.2	3,147.5	7.5	7.7	174.37	-1.9	29.4	157.5	142.2	15.30	10.298	
3,150.0	3,141.4	3,188.1	3,171.9	7.6	7.8	175.05	-0.9	24.5	156.2	140.7	15.48	10.093	
3,175.0	3,166.2	3,213.0	3,196.3	7.6	7.9	175.73	0.2	19.7	154.9	139.3	15.66	9.894	
3,200.0	3,190.9	3,237.9	3,220.7	7.7	8.0	176.43	1.2	14.8	153.7	137.8	15.84	9.701	
3,212.6	3,203.4	3,250.5	3,233.1	7.8	8.0	176.79	1.7	12.3	153.0	137.1	15.92	9.612	
3,225.0	3,215.7	3,262.8	3,245.1	7.8	8.1	177.14	2.2	9.9	152.4	136.4	16.01	9.518	
3,250.0	3,240.4	3,287.7	3,269.5	7.9	8.2	177.86	3.3	5.1	151.1	134.9	16.20	9.329	
3,275.0	3,265.2	3,312.6	3,293.9	8.0	8.3	178.59	4.3	0.2	149.7	133.3	16.38	9.139	
3,300.0	3,290.0	3,337.5	3,318.3	8.1	8.4	179.33	5.4	-4.6	148.2	131.6	16.56	8.949	
3,325.0	3,314.8	3,362.3	3,342.7	8.2	8.5	-179.91	6.4	-9.4	146.6	129.9	16.73	8.762	
3,350.0	3,339.7	3,387.2	3,367.0	8.3	8.6	-179.13	7.5	-14.3	145.0	128.1	16.91	8.575	
3,375.0	3,364.5	3,412.1	3,391.4	8.4	8.7	-178.34	8.5	-19.1	143.2	126.1	17.07	8.388	
3,400.0	3,389.4	3,436.9	3,415.7	8.4	8.8	-177.52	9.6	-24.0	141.4	124.2	17.24	8.201	
3,425.0	3,414.2	3,461.7	3,440.1	8.5	8.9	-176.68	10.6	-28.8	139.5	122.1	17.41	8.015	
3,450.0	3,439.1	3,486.6	3,464.4	8.6	9.0	-175.82	11.7	-33.7	137.5	120.0	17.56	7.830	
3,475.0	3,464.0	3,511.4	3,488.8	8.7	9.1	-174.92	12.7	-38.5	135.5	117.8	17.72	7.645	
3,500.0	3,488.9	3,536.2	3,513.1	8.8	9.2	-173.99	13.7	-43.3	133.4	115.5	17.87	7.461	
3,525.0	3,513.8	3,561.0	3,537.4	8.9	9.3	-173.03	14.8	-48.2	131.2	113.1	18.02	7.279	
3,550.0	3,538.7	3,585.8	3,561.7	9.0	9.4	-172.03	15.8	-53.0	128.9	110.7	18.16	7.098	
3,575.0	3,563.6	3,610.6	3,586.0	9.1	9.5	-170.98	16.9	-57.8	126.6	108.3	18.29	6.918	
3,600.0	3,588.5	3,635.4	3,610.2	9.1	9.6	-169.89	17.9	-62.7	124.2	105.7	18.42	6.739	
3,625.0	3,613.5	3,660.1	3,634.5	9.2	9.7	-168.74	19.0	-67.5	121.7	103.2	18.54	6.563	
3,650.0	3,638.4	3,684.9	3,658.7	9.3	9.8	-167.54	20.0	-72.3	119.2	100.5	18.65	6.390	
3,675.0	3,663.4	3,709.6	3,683.0	9.4	9.9	-166.27	21.0	-77.1	116.6	97.9	18.75	6.218	
3,700.0	3,688.3	3,734.3	3,707.2	9.5	10.0	-164.93	22.1	-81.9	114.0	95.2	18.85	6.050	
3,725.0	3,713.3	3,759.0	3,731.4	9.5	10.1	-163.52	23.1	-86.8	111.4	92.4	18.92	5.886	
3,750.0	3,738.3	3,783.7	3,755.6	9.6	10.2	-162.02	24.2	-91.6	108.7	89.7	18.98	5.725	
3,775.0	3,763.3	3,808.4	3,779.8	9.7	10.3	-160.42	25.2	-96.4	106.0	86.9	19.03	5.568	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,833.1	3,803.9	9.8	10.4	-158.73	26.2	-101.2	103.3	84.2	19.06	5.416	
3,825.0	3,813.2	3,857.7	3,828.1	9.9	10.5	-156.92	27.3	-106.0	100.5	81.5	19.07	5.271	
3,850.0	3,838.2	3,882.3	3,852.2	9.9	10.6	-154.99	28.3	-110.8	97.8	78.8	19.06	5.133	
3,875.0	3,863.2	3,906.9	3,876.3	10.0	10.7	-152.92	29.3	-115.6	95.1	76.1	19.02	5.001	
3,900.0	3,888.2	3,931.5	3,900.4	10.1	10.8	-150.70	30.4	-120.4	92.4	73.5	18.96	4.877	
3,925.0	3,913.2	3,956.1	3,924.5	10.1	10.9	-148.33	31.4	-125.2	89.8	71.0	18.86	4.765	
3,950.0	3,938.2	3,980.7	3,948.6	10.2	11.1	-145.78	32.4	-129.9	87.3	68.6	18.72	4.663	
3,975.0	3,963.2	4,005.2	3,972.6	10.2	11.2	-143.05	33.5	-134.7	84.9	66.3	18.56	4.572	
4,000.0	3,988.2	4,029.7	3,996.7	10.3	11.3	-140.13	34.5	-139.5	82.5	64.2	18.37	4.494	
4,012.8	4,001.0	4,042.3	4,009.0	10.3	11.3	166.85	35.0	-142.0	81.4	63.2	18.24	4.463	
4,025.0	4,013.2	4,054.2	4,020.7	10.3	11.4	168.39	35.5	-144.3	80.4	62.3	18.12	4.437	
4,050.0	4,038.2	4,078.7	4,044.7	10.3	11.5	171.67	36.6	-149.1	78.5	60.6	17.86	4.395	
4,075.0	4,063.2	4,103.2	4,068.7	10.4	11.6	175.09	37.6	-153.8	76.8	59.3	17.59	4.369	
4,100.0	4,088.2	4,127.7	4,092.7	10.4	11.7	178.64	38.6	-158.6	75.5	58.2	17.32	4.359 SF	
4,125.0	4,113.2	4,152.2	4,116.7	10.4	11.8	-177.71	39.6	-163.4	74.5	57.4	17.06	4.365	
4,150.0	4,138.2	4,176.7	4,140.7	10.4	11.9	-173.96	40.7	-168.2	73.8	56.9	16.83	4.383	
4,175.0	4,163.2	4,201.2	4,164.7	10.4	12.0	-170.17	41.7	-172.9	73.4	56.7	16.64	4.409 ES	
4,190.4	4,178.6	4,216.3	4,179.5	10.5	12.1	-167.82	42.3	-175.9	73.3	56.8	16.55	4.429 CC	
4,200.0	4,188.2	4,225.7	4,188.7	10.5	12.1	-166.35	42.7	-177.7	73.3	56.8	16.51	4.442	
4,225.0	4,213.2	4,250.2	4,212.7	10.5	12.2	-162.55	43.8	-182.5	73.6	57.2	16.45	4.477	
4,250.0	4,238.2	4,274.7	4,236.7	10.5	12.3	-158.80	44.8	-187.2	74.3	57.8	16.46	4.513	
4,275.0	4,263.2	4,299.2	4,260.7	10.5	12.4	-155.12	45.8	-192.0	75.2	58.7	16.54	4.548	
4,300.0	4,288.2	4,323.7	4,284.7	10.5	12.6	-151.54	46.9	-196.8	76.5	59.8	16.69	4.583	
4,325.0	4,313.2	4,348.2	4,308.7	10.6	12.7	-148.09	47.9	-201.6	78.1	61.2	16.91	4.617	
4,350.0	4,338.2	4,372.7	4,332.7	10.6	12.8	-144.78	48.9	-206.3	79.9	62.7	17.18	4.652	
4,375.0	4,363.2	4,397.2	4,356.8	10.6	12.9	-141.63	49.9	-211.1	82.0	64.5	17.49	4.690	
4,400.0	4,388.2	4,421.7	4,380.8	10.6	13.0	-138.64	51.0	-215.9	84.4	66.6	17.83	4.732	
4,425.0	4,413.2	4,446.2	4,404.8	10.6	13.1	-135.81	52.0	-220.7	87.0	68.8	18.20	4.779	
4,450.0	4,438.2	4,470.7	4,428.8	10.7	13.2	-133.15	53.0	-225.4	89.7	71.2	18.57	4.833	
4,475.0	4,463.2	4,495.2	4,452.8	10.7	13.3	-130.65	54.1	-230.2	92.7	73.8	18.95	4.892	
4,500.0	4,488.2	4,519.7	4,476.8	10.7	13.4	-128.30	55.1	-235.0	95.8	76.5	19.33	4.958	
4,525.0	4,513.2	4,544.2	4,500.8	10.7	13.5	-126.10	56.1	-239.8	99.1	79.4	19.71	5.030	
4,550.0	4,538.2	4,568.7	4,524.8	10.7	13.6	-124.04	57.2	-244.5	102.5	82.5	20.07	5.108	
4,575.0	4,563.2	4,593.2	4,548.8	10.8	13.8	-122.12	58.2	-249.3	106.1	85.7	20.43	5.192	
4,600.0	4,588.2	4,617.7	4,572.8	10.8	13.9	-120.32	59.2	-254.1	109.7	89.0	20.78	5.280	
4,625.0	4,613.2	4,642.2	4,596.8	10.8	14.0	-118.63	60.2	-258.9	113.5	92.4	21.12	5.373	
4,650.0	4,638.2	4,666.7	4,620.8	10.8	14.1	-117.06	61.3	-263.6	117.4	95.9	21.45	5.471	
4,675.0	4,663.2	4,691.2	4,644.8	10.8	14.2	-115.58	62.3	-268.4	121.3	99.5	21.77	5.572	
4,700.0	4,688.2	4,715.7	4,668.8	10.9	14.3	-114.19	63.3	-273.2	125.3	103.2	22.08	5.676	
4,725.0	4,713.2	4,740.2	4,692.8	10.9	14.4	-112.89	64.4	-278.0	129.4	107.0	22.37	5.782	
4,750.0	4,738.2	4,764.7	4,716.8	10.9	14.5	-111.67	65.4	-282.7	133.5	110.8	22.66	5.891	
4,775.0	4,763.2	4,789.2	4,740.9	10.9	14.6	-110.52	66.4	-287.5	137.7	114.8	22.94	6.003	
4,800.0	4,788.2	4,813.7	4,764.9	10.9	14.7	-109.44	67.5	-292.3	141.9	118.7	23.21	6.116	
4,825.0	4,813.2	4,838.2	4,788.9	11.0	14.8	-108.42	68.5	-297.1	146.2	122.8	23.47	6.230	
4,850.0	4,838.2	4,862.6	4,812.9	11.0	15.0	-107.46	69.5	-301.8	150.6	126.8	23.73	6.346	
4,875.0	4,863.2	4,887.1	4,836.9	11.0	15.1	-106.55	70.5	-306.6	154.9	131.0	23.97	6.462	
4,900.0	4,888.2	4,911.6	4,860.9	11.0	15.2	-105.70	71.6	-311.4	159.3	135.1	24.22	6.580	
4,925.0	4,913.2	4,936.1	4,884.9	11.0	15.3	-104.88	72.6	-316.2	163.8	139.3	24.45	6.697	
4,950.0	4,938.2	4,960.6	4,908.9	11.1	15.4	-104.12	73.6	-320.9	168.3	143.6	24.69	6.816	
4,975.0	4,963.2	4,985.1	4,932.9	11.1	15.5	-103.39	74.7	-325.7	172.8	147.8	24.91	6.935	
5,000.0	4,988.2	5,009.6	4,956.9	11.1	15.6	-102.69	75.7	-330.5	177.3	152.1	25.13	7.053	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,025.0	5,013.2	5,034.1	4,980.9	11.1	15.7	-102.03	76.7	-335.2	181.8	156.5	25.35	7.172	
5,050.0	5,038.2	5,058.6	5,004.9	11.1	15.8	-101.41	77.8	-340.0	186.4	160.8	25.57	7.291	
5,075.0	5,063.2	5,083.1	5,028.9	11.2	16.0	-100.81	78.8	-344.8	191.0	165.2	25.78	7.410	
5,100.0	5,088.2	5,107.6	5,052.9	11.2	16.1	-100.24	79.8	-349.6	195.6	169.6	25.98	7.528	
5,125.0	5,113.2	5,132.1	5,076.9	11.2	16.2	-99.70	80.8	-354.3	200.2	174.0	26.19	7.646	
5,150.0	5,138.2	5,156.6	5,101.0	11.2	16.3	-99.18	81.9	-359.1	204.9	178.5	26.39	7.764	
5,175.0	5,163.2	5,181.1	5,125.0	11.2	16.4	-98.69	82.9	-363.9	209.5	183.0	26.59	7.881	
5,200.0	5,188.2	5,205.6	5,149.0	11.3	16.5	-98.21	83.9	-368.7	214.2	187.4	26.78	7.998	
5,225.0	5,213.2	5,230.1	5,173.0	11.3	16.6	-97.76	85.0	-373.4	218.9	191.9	26.98	8.115	
5,250.0	5,238.2	5,254.6	5,197.0	11.3	16.7	-97.33	86.0	-378.2	223.6	196.4	27.17	8.230	
5,275.0	5,263.2	5,279.1	5,221.0	11.3	16.8	-96.91	87.0	-383.0	228.3	201.0	27.36	8.346	
5,300.0	5,288.2	5,303.6	5,245.0	11.3	17.0	-96.51	88.1	-387.8	233.0	205.5	27.55	8.460	
5,325.0	5,313.2	5,328.1	5,269.0	11.4	17.1	-96.13	89.1	-392.5	237.8	210.1	27.73	8.574	
5,350.0	5,338.2	5,352.6	5,293.0	11.4	17.2	-95.76	90.1	-397.3	242.5	214.6	27.92	8.687	
5,375.0	5,363.2	5,377.1	5,317.0	11.4	17.3	-95.40	91.1	-402.1	247.3	219.2	28.10	8.800	
5,400.0	5,388.2	5,401.6	5,341.0	11.4	17.4	-95.06	92.2	-406.9	252.1	223.8	28.28	8.911	
5,425.0	5,413.2	5,426.1	5,365.0	11.4	17.5	-94.73	93.2	-411.6	256.8	228.4	28.46	9.023	
5,450.0	5,438.2	5,450.6	5,389.0	11.4	17.6	-94.41	94.2	-416.4	261.6	233.0	28.64	9.133	
5,475.0	5,463.2	5,475.1	5,413.0	11.5	17.7	-94.11	95.3	-421.2	266.4	237.6	28.82	9.243	
5,500.0	5,488.2	5,499.7	5,437.2	11.5	17.8	-93.81	96.3	-426.0	271.2	242.2	29.00	9.351	
5,525.0	5,513.2	5,526.1	5,463.0	11.5	18.0	-93.51	97.4	-431.0	275.9	246.7	29.23	9.437	
5,550.0	5,538.2	5,552.5	5,488.9	11.5	18.2	-93.23	98.4	-435.9	280.4	251.0	29.47	9.517	
5,575.0	5,563.2	5,578.9	5,514.9	11.5	18.3	-92.97	99.5	-440.6	284.8	255.1	29.70	9.591	
5,600.0	5,588.2	5,605.5	5,541.1	11.6	18.5	-92.73	100.4	-445.1	289.1	259.2	29.92	9.662	
5,625.0	5,613.2	5,632.1	5,567.3	11.6	18.6	-92.50	101.4	-449.5	293.1	263.1	30.09	9.741	
5,650.0	5,638.2	5,658.7	5,593.6	11.6	18.7	-92.29	102.3	-453.7	297.1	266.8	30.27	9.815	
5,675.0	5,663.2	5,685.5	5,620.0	11.6	18.8	-92.09	103.2	-457.8	300.8	270.4	30.44	9.883	
5,700.0	5,688.2	5,712.3	5,646.5	11.6	18.9	-91.90	104.0	-461.6	304.4	273.8	30.60	9.946	
5,725.0	5,713.2	5,739.1	5,673.1	11.7	19.1	-91.73	104.8	-465.3	307.8	277.0	30.77	10.004	
5,750.0	5,738.2	5,766.0	5,699.7	11.7	19.2	-91.57	105.5	-468.8	311.0	280.1	30.93	10.058	
5,775.0	5,763.2	5,792.9	5,726.5	11.7	19.3	-91.42	106.3	-472.2	314.1	283.0	31.08	10.106	
5,800.0	5,788.2	5,819.9	5,753.3	11.7	19.4	-91.28	106.9	-475.3	317.0	285.8	31.24	10.150	
5,825.0	5,813.2	5,847.0	5,780.1	11.7	19.5	-91.16	107.6	-478.3	319.8	288.4	31.38	10.189	
5,850.0	5,838.2	5,874.0	5,807.0	11.8	19.6	-91.04	108.2	-481.1	322.3	290.8	31.53	10.224	
5,875.0	5,863.2	5,901.1	5,834.0	11.8	19.7	-90.93	108.8	-483.7	324.7	293.1	31.67	10.253	
5,900.0	5,888.2	5,928.3	5,861.1	11.8	19.8	-90.83	109.3	-486.1	327.0	295.2	31.81	10.279	
5,925.0	5,913.2	5,955.5	5,888.2	11.8	19.9	-90.74	109.8	-488.4	329.0	297.1	31.94	10.301	
5,950.0	5,938.2	5,982.7	5,915.3	11.8	20.0	-90.66	110.2	-490.4	330.9	298.8	32.07	10.318	
5,975.0	5,963.2	6,009.9	5,942.5	11.9	20.2	-90.59	110.6	-492.3	332.6	300.4	32.20	10.330	
6,000.0	5,988.2	6,037.2	5,969.7	11.9	20.2	-90.52	111.0	-494.0	334.2	301.8	32.32	10.340	
6,025.0	6,013.2	6,064.5	5,996.9	11.9	20.3	-90.46	111.3	-495.5	335.5	303.1	32.43	10.346	
6,050.0	6,038.2	6,091.8	6,024.2	11.9	20.4	-90.41	111.6	-496.8	336.7	304.2	32.55	10.346	
6,075.0	6,063.2	6,119.2	6,051.5	11.9	20.5	-90.37	111.8	-497.9	337.7	305.1	32.65	10.345	
6,100.0	6,088.2	6,146.5	6,078.9	12.0	20.6	-90.34	112.0	-498.8	338.6	305.8	32.74	10.341	
6,125.0	6,113.2	6,173.9	6,106.2	12.0	20.7	-90.31	112.2	-499.5	339.2	306.4	32.84	10.331	
6,150.0	6,138.2	6,201.2	6,133.6	12.0	20.8	-90.29	112.3	-500.1	339.7	306.8	32.93	10.318	
6,175.0	6,163.2	6,228.6	6,161.0	12.0	20.8	-90.28	112.4	-500.4	340.1	307.1	32.96	10.317	
6,200.0	6,188.2	6,256.0	6,188.3	12.0	20.9	-90.27	112.4	-500.6	340.2	307.2	32.99	10.312	
6,225.0	6,213.2	6,281.8	6,214.1	12.1	20.9	-90.27	112.4	-500.6	340.2	307.2	33.01	10.305	
6,250.0	6,238.2	6,306.8	6,239.1	12.1	20.9	-90.27	112.4	-500.6	340.2	307.2	33.03	10.299	
6,275.0	6,263.2	6,331.8	6,264.1	12.1	20.9	-90.27	112.4	-500.6	340.2	307.1	33.06	10.290	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,288.2	6,356.8	6,289.1	12.1	20.9	-90.27	112.4	-500.6	340.2	307.1	33.09	10.282	
6,325.0	6,313.2	6,381.8	6,314.1	12.1	20.9	-90.27	112.4	-500.6	340.2	307.1	33.11	10.274	
6,350.0	6,338.2	6,406.8	6,339.1	12.2	20.9	-90.27	112.4	-500.6	340.2	307.1	33.14	10.266	
6,375.0	6,363.2	6,431.8	6,364.1	12.2	20.9	-90.27	112.4	-500.6	340.2	307.0	33.16	10.258	
6,400.0	6,388.2	6,456.8	6,389.1	12.2	20.9	-90.27	112.4	-500.6	340.2	307.0	33.19	10.250	
6,425.0	6,413.2	6,481.8	6,414.1	12.2	20.9	-90.27	112.4	-500.6	340.2	307.0	33.22	10.242	
6,450.0	6,438.2	6,506.8	6,439.1	12.2	21.0	-90.27	112.4	-500.6	340.2	307.0	33.24	10.234	
6,475.0	6,463.2	6,531.8	6,464.1	12.3	21.0	-90.27	112.4	-500.6	340.2	306.9	33.27	10.226	
6,500.0	6,488.2	6,556.8	6,489.1	12.3	21.0	-90.27	112.4	-500.6	340.2	306.9	33.30	10.218	
6,525.0	6,513.2	6,581.8	6,514.1	12.3	21.0	-90.27	112.4	-500.6	340.2	306.9	33.32	10.210	
6,550.0	6,538.2	6,606.8	6,539.1	12.3	21.0	-90.27	112.4	-500.6	340.2	306.9	33.35	10.202	
6,575.0	6,563.2	6,631.8	6,564.1	12.3	21.0	-90.27	112.4	-500.6	340.2	306.8	33.37	10.194	
6,600.0	6,588.2	6,656.8	6,589.1	12.4	21.0	-90.27	112.4	-500.6	340.2	306.8	33.40	10.186	
6,625.0	6,613.2	6,681.8	6,614.1	12.4	21.0	-90.27	112.4	-500.6	340.2	306.8	33.43	10.178	
6,650.0	6,638.2	6,706.8	6,639.1	12.4	21.0	-90.27	112.4	-500.6	340.2	306.8	33.45	10.170	
6,675.0	6,663.2	6,731.8	6,664.1	12.4	21.0	-90.27	112.4	-500.6	340.2	306.7	33.48	10.162	
6,700.0	6,688.2	6,756.8	6,689.1	12.4	21.0	-90.27	112.4	-500.6	340.2	306.7	33.51	10.154	
6,725.0	6,713.2	6,781.8	6,714.1	12.5	21.1	-90.27	112.4	-500.6	340.2	306.7	33.53	10.145	
6,750.0	6,738.2	6,806.8	6,739.1	12.5	21.1	-90.27	112.4	-500.6	340.2	306.6	33.56	10.137	
6,775.0	6,763.2	6,831.8	6,764.1	12.5	21.1	-90.27	112.4	-500.6	340.2	306.6	33.59	10.129	
6,800.0	6,788.2	6,856.8	6,789.1	12.5	21.1	-90.27	112.4	-500.6	340.2	306.6	33.61	10.121	
6,825.0	6,813.2	6,881.8	6,814.1	12.5	21.1	-90.27	112.4	-500.6	340.2	306.6	33.64	10.113	
6,850.0	6,838.2	6,906.8	6,839.1	12.6	21.1	-90.27	112.4	-500.6	340.2	306.5	33.67	10.105	
6,875.0	6,863.2	6,931.8	6,864.1	12.6	21.1	-90.27	112.4	-500.6	340.2	306.5	33.69	10.097	
6,900.0	6,888.2	6,956.8	6,889.1	12.6	21.1	-90.27	112.4	-500.6	340.2	306.5	33.72	10.089	
6,925.0	6,913.2	6,981.8	6,914.1	12.6	21.1	-90.27	112.4	-500.6	340.2	306.5	33.75	10.081	
6,950.0	6,938.2	7,006.8	6,939.1	12.6	21.1	-90.27	112.4	-500.6	340.2	306.4	33.77	10.074	
6,975.0	6,963.2	7,031.8	6,964.1	12.7	21.2	-90.27	112.4	-500.6	340.2	306.4	33.80	10.066	
7,000.0	6,988.2	7,056.8	6,989.1	12.7	21.2	-90.27	112.4	-500.6	340.2	306.4	33.83	10.058	
7,025.0	7,013.2	7,081.8	7,014.1	12.7	21.2	-90.27	112.4	-500.6	340.2	306.4	33.85	10.050	
7,050.0	7,038.2	7,106.8	7,039.1	12.7	21.2	-90.27	112.4	-500.6	340.2	306.3	33.88	10.042	
7,075.0	7,063.2	7,131.8	7,064.1	12.7	21.2	-90.27	112.4	-500.6	340.2	306.3	33.91	10.034	
7,100.0	7,088.2	7,156.8	7,089.1	12.8	21.2	-90.27	112.4	-500.6	340.2	306.3	33.93	10.026	
7,125.0	7,113.2	7,181.8	7,114.1	12.8	21.2	-90.27	112.4	-500.6	340.2	306.2	33.96	10.018	
7,150.0	7,138.2	7,206.8	7,139.1	12.8	21.2	-90.27	112.4	-500.6	340.2	306.2	33.99	10.010	
7,175.0	7,163.2	7,231.8	7,164.1	12.8	21.2	-90.27	112.4	-500.6	340.2	306.2	34.01	10.002	
7,200.0	7,188.2	7,256.8	7,189.1	12.8	21.2	-90.27	112.4	-500.6	340.2	306.2	34.04	9.994	
7,225.0	7,213.2	7,281.8	7,214.1	12.9	21.3	-90.27	112.4	-500.6	340.2	306.1	34.07	9.986	
7,250.0	7,238.2	7,306.8	7,239.1	12.9	21.3	-90.27	112.4	-500.6	340.2	306.1	34.09	9.978	
7,275.0	7,263.2	7,331.8	7,264.1	12.9	21.3	-90.27	112.4	-500.6	340.2	306.1	34.12	9.970	
7,300.0	7,288.2	7,356.8	7,289.1	12.9	21.3	-90.27	112.4	-500.6	340.2	306.1	34.15	9.962	
7,325.0	7,313.2	7,381.8	7,314.1	12.9	21.3	-90.27	112.4	-500.6	340.2	306.0	34.18	9.954	
7,350.0	7,338.2	7,406.8	7,339.1	13.0	21.3	-90.27	112.4	-500.6	340.2	306.0	34.20	9.946	
7,375.0	7,363.2	7,431.8	7,364.1	13.0	21.3	-90.27	112.4	-500.6	340.2	306.0	34.23	9.939	
7,400.0	7,388.2	7,456.8	7,389.1	13.0	21.3	-90.27	112.4	-500.6	340.2	305.9	34.26	9.931	
7,425.0	7,413.2	7,481.8	7,414.1	13.0	21.3	-90.27	112.4	-500.6	340.2	305.9	34.29	9.923	
7,450.0	7,438.2	7,506.8	7,439.1	13.0	21.3	-90.27	112.4	-500.6	340.2	305.9	34.31	9.915	
7,475.0	7,463.2	7,531.8	7,464.1	13.0	21.4	-90.27	112.4	-500.6	340.2	305.9	34.34	9.907	
7,500.0	7,488.2	7,556.8	7,489.1	13.1	21.4	-90.27	112.4	-500.6	340.2	305.8	34.37	9.899	
7,525.0	7,513.2	7,581.8	7,514.1	13.1	21.4	-90.27	112.4	-500.6	340.2	305.8	34.39	9.891	
7,550.0	7,538.2	7,606.8	7,539.1	13.1	21.4	-90.27	112.4	-500.6	340.2	305.8	34.42	9.883	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,563.2	7,631.8	7,564.1	13.1	21.4	-90.27	112.4	-500.6	340.2	305.8	34.45	9.876	
7,600.0	7,588.2	7,656.8	7,589.1	13.1	21.4	-90.27	112.4	-500.6	340.2	305.7	34.48	9.868	
7,625.0	7,613.2	7,681.8	7,614.1	13.2	21.4	-90.27	112.4	-500.6	340.2	305.7	34.50	9.860	
7,650.0	7,638.2	7,706.8	7,639.1	13.2	21.4	-90.27	112.4	-500.6	340.2	305.7	34.53	9.852	
7,675.0	7,663.2	7,731.8	7,664.1	13.2	21.4	-90.27	112.4	-500.6	340.2	305.6	34.56	9.844	
7,700.0	7,688.2	7,756.8	7,689.1	13.2	21.5	-90.27	112.4	-500.6	340.2	305.6	34.59	9.836	
7,725.0	7,713.2	7,781.8	7,714.1	13.2	21.5	-90.27	112.4	-500.6	340.2	305.6	34.61	9.829	
7,750.0	7,738.2	7,806.8	7,739.1	13.3	21.5	-90.27	112.4	-500.6	340.2	305.6	34.64	9.821	
7,775.0	7,763.2	7,831.8	7,764.1	13.3	21.5	-90.27	112.4	-500.6	340.2	305.5	34.67	9.813	
7,800.0	7,788.2	7,856.8	7,789.1	13.3	21.5	-90.27	112.4	-500.6	340.2	305.5	34.70	9.805	
7,825.0	7,813.2	7,881.8	7,814.1	13.3	21.5	-90.27	112.4	-500.6	340.2	305.5	34.72	9.797	
7,850.0	7,838.2	7,906.8	7,839.1	13.3	21.5	-90.27	112.4	-500.6	340.2	305.5	34.75	9.789	
7,875.0	7,863.2	7,931.8	7,864.1	13.4	21.5	-90.27	112.4	-500.6	340.2	305.4	34.78	9.782	
7,900.0	7,888.2	7,956.8	7,889.1	13.4	21.5	-90.27	112.4	-500.6	340.2	305.4	34.81	9.774	
7,925.0	7,913.2	7,981.8	7,914.1	13.4	21.5	-90.27	112.4	-500.6	340.2	305.4	34.84	9.766	
7,950.0	7,938.2	8,006.8	7,939.1	13.4	21.6	-90.27	112.4	-500.6	340.2	305.3	34.86	9.758	
7,975.0	7,963.2	8,031.8	7,964.1	13.4	21.6	-90.27	112.4	-500.6	340.2	305.3	34.89	9.751	
8,000.0	7,988.2	8,056.8	7,989.1	13.5	21.6	-90.27	112.4	-500.6	340.2	305.3	34.92	9.743	
8,025.0	8,013.2	8,081.8	8,014.1	13.5	21.6	-90.27	112.4	-500.6	340.2	305.3	34.95	9.735	
8,050.0	8,038.2	8,106.8	8,039.1	13.5	21.6	-90.27	112.4	-500.6	340.2	305.2	34.97	9.727	
8,075.0	8,063.2	8,131.8	8,064.1	13.5	21.6	-90.27	112.4	-500.6	340.2	305.2	35.00	9.720	
8,100.0	8,088.2	8,156.8	8,089.1	13.5	21.6	-90.27	112.4	-500.6	340.2	305.2	35.03	9.712	
8,125.0	8,113.2	8,181.8	8,114.1	13.6	21.6	-90.27	112.4	-500.6	340.2	305.1	35.06	9.704	
8,150.0	8,138.2	8,206.8	8,139.1	13.6	21.6	-90.27	112.4	-500.6	340.2	305.1	35.09	9.696	
8,175.0	8,163.2	8,231.8	8,164.1	13.6	21.6	-90.27	112.4	-500.6	340.2	305.1	35.11	9.689	
8,200.0	8,188.2	8,256.8	8,189.1	13.6	21.7	-90.27	112.4	-500.6	340.2	305.1	35.14	9.681	
8,225.0	8,213.2	8,281.8	8,214.1	13.6	21.7	-90.27	112.4	-500.6	340.2	305.0	35.17	9.673	
8,250.0	8,238.2	8,306.8	8,239.1	13.7	21.7	-90.27	112.4	-500.6	340.2	305.0	35.20	9.665	
8,275.0	8,263.2	8,331.8	8,264.1	13.7	21.7	-90.27	112.4	-500.6	340.2	305.0	35.23	9.658	
8,300.0	8,288.2	8,356.8	8,289.1	13.7	21.7	-90.27	112.4	-500.6	340.2	304.9	35.25	9.650	
8,325.0	8,313.2	8,381.8	8,314.1	13.7	21.7	-90.27	112.4	-500.6	340.2	304.9	35.28	9.642	
8,350.0	8,338.2	8,406.8	8,339.1	13.7	21.7	-90.27	112.4	-500.6	340.2	304.9	35.31	9.635	
8,375.0	8,363.2	8,431.8	8,364.1	13.8	21.7	-90.27	112.4	-500.6	340.2	304.9	35.34	9.627	
8,400.0	8,388.2	8,456.8	8,389.1	13.8	21.7	-90.27	112.4	-500.6	340.2	304.8	35.37	9.619	
8,425.0	8,413.2	8,481.8	8,414.1	13.8	21.8	-90.27	112.4	-500.6	340.2	304.8	35.40	9.612	
8,450.0	8,438.2	8,506.8	8,439.1	13.8	21.8	-90.27	112.4	-500.6	340.2	304.8	35.42	9.604	
8,475.0	8,463.2	8,531.8	8,464.1	13.8	21.8	-90.27	112.4	-500.6	340.2	304.8	35.45	9.596	
8,500.0	8,488.2	8,556.8	8,489.1	13.9	21.8	-90.27	112.4	-500.6	340.2	304.7	35.48	9.589	
8,525.0	8,513.2	8,581.8	8,514.1	13.9	21.8	-90.27	112.4	-500.6	340.2	304.7	35.51	9.581	
8,550.0	8,538.2	8,606.8	8,539.1	13.9	21.8	-90.27	112.4	-500.6	340.2	304.7	35.54	9.573	
8,575.0	8,563.2	8,631.8	8,564.1	13.9	21.8	-90.27	112.4	-500.6	340.2	304.6	35.56	9.566	
8,600.0	8,588.2	8,656.8	8,589.1	13.9	21.8	-90.27	112.4	-500.6	340.2	304.6	35.59	9.558	
8,625.0	8,613.2	8,681.8	8,614.1	14.0	21.8	-90.27	112.4	-500.6	340.2	304.6	35.62	9.550	
8,650.0	8,638.2	8,706.8	8,639.1	14.0	21.9	-90.27	112.4	-500.6	340.2	304.6	35.65	9.543	
8,675.0	8,663.2	8,731.8	8,664.1	14.0	21.9	-90.27	112.4	-500.6	340.2	304.5	35.68	9.535	
8,700.0	8,688.2	8,756.8	8,689.1	14.0	21.9	-90.27	112.4	-500.6	340.2	304.5	35.71	9.528	
8,725.0	8,713.2	8,781.8	8,714.1	14.0	21.9	-90.27	112.4	-500.6	340.2	304.5	35.74	9.520	
8,750.0	8,738.2	8,806.8	8,739.1	14.1	21.9	-90.27	112.4	-500.6	340.2	304.4	35.76	9.512	
8,775.0	8,763.2	8,831.8	8,764.1	14.1	21.9	-90.27	112.4	-500.6	340.2	304.4	35.79	9.505	
8,800.0	8,788.2	8,856.8	8,789.1	14.1	21.9	-90.27	112.4	-500.6	340.2	304.4	35.82	9.497	
8,825.0	8,813.2	8,881.8	8,814.1	14.1	21.9	-90.27	112.4	-500.6	340.2	304.4	35.85	9.490	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,838.2	8,906.8	8,839.1	14.1	21.9	-90.27	112.4	-500.6	340.2	304.3	35.88	9.482	
8,875.0	8,863.2	8,931.8	8,864.1	14.2	22.0	-90.27	112.4	-500.6	340.2	304.3	35.91	9.475	
8,900.0	8,888.2	8,956.8	8,889.1	14.2	22.0	-90.27	112.4	-500.6	340.2	304.3	35.94	9.467	
8,925.0	8,913.2	8,981.8	8,914.1	14.2	22.0	-90.27	112.4	-500.6	340.2	304.2	35.96	9.459	
8,950.0	8,938.2	9,006.8	8,939.1	14.2	22.0	-90.27	112.4	-500.6	340.2	304.2	35.99	9.452	
8,975.0	8,963.2	9,031.8	8,964.1	14.2	22.0	-90.27	112.4	-500.6	340.2	304.2	36.02	9.444	
9,000.0	8,988.2	9,056.8	8,989.1	14.3	22.0	-90.27	112.4	-500.6	340.2	304.2	36.05	9.437	
9,025.0	9,013.2	9,081.8	9,014.1	14.3	22.0	-90.27	112.4	-500.6	340.2	304.1	36.08	9.429	
9,050.0	9,038.2	9,106.8	9,039.1	14.3	22.0	-90.27	112.4	-500.6	340.2	304.1	36.11	9.422	
9,075.0	9,063.2	9,131.8	9,064.1	14.3	22.0	-90.27	112.4	-500.6	340.2	304.1	36.13	9.416	
9,100.0	9,088.2	9,156.8	9,089.1	14.3	22.0	-90.27	112.4	-500.6	340.2	304.1	36.15	9.411	
9,125.0	9,113.2	9,181.8	9,114.1	14.4	22.0	-90.19	112.8	-500.6	340.2	304.0	36.18	9.404	
9,138.4	9,126.5	9,195.1	9,127.4	14.4	22.0	-90.07	113.6	-500.6	340.2	304.0	36.20	9.398	
9,150.0	9,138.2	9,206.7	9,139.0	14.4	22.0	-89.90	114.6	-500.6	340.2	304.0	36.22	9.392	
9,175.0	9,163.2	9,231.4	9,163.5	14.4	22.0	-89.40	117.6	-500.6	340.2	303.9	36.29	9.376	
9,200.0	9,188.2	9,255.7	9,187.5	14.4	22.0	-88.70	121.7	-500.6	340.3	303.9	36.37	9.356	
9,225.0	9,213.2	9,279.6	9,210.7	14.4	22.1	-87.81	127.0	-500.6	340.5	304.0	36.48	9.333	
9,250.0	9,238.2	9,302.8	9,233.1	14.5	22.1	-86.76	133.2	-500.6	340.8	304.2	36.60	9.312	
9,275.0	9,263.2	9,325.0	9,254.1	14.5	22.1	-85.59	140.2	-500.6	341.4	304.6	36.74	9.292	
9,300.0	9,288.2	9,347.2	9,274.9	14.5	22.1	-84.26	148.2	-500.6	342.2	305.4	36.88	9.280	
9,325.0	9,313.2	9,368.3	9,294.2	14.5	22.1	-82.86	156.6	-500.7	343.5	306.5	37.03	9.276	
9,350.0	9,338.2	9,388.5	9,312.3	14.5	22.1	-81.40	165.5	-500.7	345.2	308.0	37.18	9.284	
9,375.0	9,363.2	9,407.9	9,329.4	14.6	22.1	-79.88	174.7	-500.7	347.4	310.1	37.33	9.307	
9,400.0	9,388.2	9,425.0	9,344.1	14.6	22.1	-78.47	183.4	-500.7	350.2	312.7	37.47	9.346	
9,425.0	9,413.2	9,444.1	9,360.1	14.6	22.1	-76.81	193.8	-500.7	353.7	316.1	37.60	9.407	
9,450.0	9,438.2	9,460.9	9,373.9	14.6	22.1	-75.28	203.4	-500.7	357.8	320.1	37.71	9.488	
9,475.0	9,463.2	9,475.0	9,385.2	14.6	22.1	-73.96	211.8	-500.7	362.8	325.0	37.83	9.591	
9,500.0	9,488.2	9,492.1	9,398.6	14.7	22.1	-72.31	222.6	-500.7	368.5	330.6	37.91	9.721	
9,525.0	9,513.2	9,506.6	9,409.6	14.7	22.1	-70.88	232.0	-500.7	375.1	337.1	37.98	9.875	
9,550.0	9,538.2	9,520.3	9,419.7	14.7	22.1	-69.51	241.2	-500.7	382.4	344.4	38.04	10.053	
9,575.0	9,563.2	9,533.3	9,429.1	14.7	22.1	-68.19	250.2	-500.8	390.7	352.6	38.09	10.256	
9,600.0	9,588.2	9,545.7	9,437.8	14.7	22.1	-66.92	259.0	-500.8	399.7	361.6	38.13	10.484	
9,625.0	9,613.2	9,557.4	9,445.8	14.8	22.1	-65.72	267.6	-500.8	409.6	371.4	38.15	10.736	
9,650.0	9,638.2	9,568.5	9,453.2	14.8	22.1	-64.57	275.9	-500.8	420.2	382.1	38.17	11.010	
9,675.0	9,663.2	9,575.0	9,457.4	14.8	22.1	-63.90	280.8	-500.8	431.7	393.5	38.20	11.301	
9,700.0	9,688.2	9,589.1	9,466.4	14.8	22.1	-62.44	291.7	-500.8	443.9	405.7	38.18	11.624	
9,725.0	9,713.2	9,600.0	9,473.1	14.8	22.1	-61.32	300.2	-500.8	456.8	418.6	38.18	11.964	
9,750.0	9,738.2	9,607.7	9,477.8	14.9	22.1	-60.53	306.4	-500.8	470.3	432.1	38.19	12.317	
9,775.0	9,763.2	9,616.3	9,482.8	14.9	22.1	-59.64	313.4	-500.8	484.5	446.3	38.18	12.689	
9,800.0	9,788.2	9,625.0	9,487.8	14.9	22.1	-58.76	320.5	-500.8	499.3	461.1	38.18	13.078	
9,825.0	9,813.2	9,632.4	9,491.9	14.9	22.1	-58.02	326.6	-500.8	514.7	476.5	38.18	13.479	
9,850.0	9,838.2	9,639.8	9,495.9	14.9	22.1	-57.27	332.8	-500.9	530.6	492.4	38.19	13.895	
9,875.0	9,863.2	9,650.0	9,501.3	15.0	22.1	-56.25	341.5	-500.9	547.1	508.9	38.17	14.330	
9,900.0	9,888.2	9,650.0	9,501.3	15.0	22.1	-56.25	341.5	-500.9	563.9	525.7	38.22	14.756	
9,925.0	9,913.2	9,660.1	9,506.5	15.0	22.1	-55.25	350.2	-500.9	581.2	543.0	38.21	15.212	
9,950.0	9,938.2	9,666.3	9,509.6	15.0	22.2	-54.65	355.5	-500.9	599.0	560.7	38.22	15.671	
9,975.0	9,963.2	9,675.0	9,513.8	15.0	22.2	-53.80	363.2	-500.9	617.1	578.9	38.23	16.144	
10,000.0	9,988.2	9,675.0	9,513.8	15.1	22.2	-53.80	363.2	-500.9	635.6	597.3	38.27	16.606	
10,000.4	9,988.6	9,675.0	9,513.8	15.1	22.2	-53.80	363.2	-500.9	635.8	597.6	38.27	16.613	
10,025.0	10,013.2	9,683.5	9,517.7	15.1	22.2	-50.37	370.7	-500.9	654.1	615.8	38.30	17.076	
10,050.0	10,038.1	9,689.5	9,520.4	15.1	22.2	-47.46	376.0	-500.9	672.4	634.1	38.33	17.544	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,075.0	10,062.9	9,700.0	9,525.1	15.1	22.2	-44.46	385.5	-500.9	690.5	652.1	38.34	18.011	
10,100.0	10,087.5	9,700.0	9,525.1	15.1	22.2	-42.40	385.5	-500.9	708.1	669.7	38.40	18.440	
10,125.0	10,111.8	9,708.7	9,528.7	15.1	22.2	-40.00	393.4	-500.9	725.4	687.0	38.43	18.875	
10,150.0	10,135.8	9,715.6	9,531.5	15.1	22.2	-37.93	399.7	-500.9	742.3	703.8	38.48	19.292	
10,175.0	10,159.3	9,725.0	9,535.2	15.1	22.2	-35.94	408.3	-500.9	758.7	720.2	38.52	19.698	
10,200.0	10,182.4	9,725.0	9,535.2	15.1	22.2	-34.50	408.3	-500.9	774.7	736.1	38.60	20.071	
10,225.0	10,205.0	9,737.2	9,539.7	15.1	22.2	-32.77	419.7	-501.0	790.1	751.4	38.64	20.450	
10,250.0	10,227.0	9,750.0	9,544.1	15.1	22.2	-31.20	431.7	-501.0	805.0	766.3	38.67	20.815	
10,275.0	10,248.3	9,750.0	9,544.1	15.2	22.2	-30.14	431.7	-501.0	819.2	780.5	38.76	21.137	
10,300.0	10,268.9	9,760.1	9,547.3	15.2	22.2	-28.92	441.2	-501.0	832.9	794.1	38.81	21.461	
10,325.0	10,288.8	9,775.0	9,551.7	15.2	22.2	-27.73	455.5	-501.0	846.1	807.2	38.85	21.777	
10,350.0	10,307.8	9,775.0	9,551.7	15.2	22.2	-26.94	455.5	-501.0	858.4	819.5	38.93	22.048	
10,375.0	10,325.9	9,784.0	9,554.2	15.2	22.2	-26.08	464.1	-501.0	870.2	831.2	38.99	22.317	
10,400.0	10,343.1	9,792.1	9,556.2	15.2	22.2	-25.31	472.0	-501.0	881.3	842.2	39.05	22.567	
10,425.0	10,359.4	9,800.0	9,558.1	15.2	22.3	-24.62	479.7	-501.0	891.7	852.6	39.11	22.799	
10,450.0	10,374.6	9,808.6	9,560.0	15.2	22.3	-24.00	488.1	-501.0	901.3	862.2	39.16	23.014	
10,475.0	10,388.8	9,817.0	9,561.7	15.3	22.3	-23.45	496.3	-501.0	910.3	871.1	39.22	23.211	
10,500.0	10,401.9	9,825.0	9,563.3	15.3	22.3	-22.96	504.1	-501.1	918.5	879.2	39.27	23.390	
10,525.0	10,413.8	9,833.9	9,564.8	15.3	22.3	-22.53	512.9	-501.1	926.0	886.7	39.32	23.551	
10,550.0	10,424.6	9,850.0	9,567.1	15.3	22.3	-22.10	528.8	-501.1	932.8	893.4	39.36	23.700	
10,575.0	10,434.2	9,850.0	9,567.1	15.3	22.3	-21.83	528.8	-501.1	938.6	899.2	39.41	23.819	
10,600.0	10,442.5	9,859.5	9,568.2	15.4	22.3	-21.55	538.3	-501.1	943.8	904.4	39.45	23.926	
10,625.0	10,449.7	9,875.0	9,569.6	15.4	22.3	-21.29	553.7	-501.1	948.3	908.8	39.48	24.018	
10,650.0	10,455.5	9,875.0	9,569.6	15.4	22.3	-21.13	553.7	-501.1	951.8	912.3	39.52	24.087	
10,675.0	10,460.1	9,885.5	9,570.3	15.4	22.3	-20.98	564.1	-501.1	954.6	915.1	39.55	24.140	
10,700.0	10,463.4	9,900.0	9,570.9	15.5	22.4	-20.87	578.6	-501.1	956.7	917.1	39.58	24.174	
10,725.0	10,465.4	9,902.8	9,570.9	15.5	22.4	-20.81	581.5	-501.1	957.9	918.3	39.59	24.193	
10,745.4	10,466.0	9,914.6	9,571.1	15.5	22.4	-20.79	593.3	-501.2	958.3	918.7	39.61	24.192	
10,750.0	10,466.0	9,919.2	9,571.1	15.5	22.4	-20.79	597.9	-501.2	958.3	918.7	39.62	24.189	
10,775.0	10,466.3	9,944.2	9,571.3	15.6	22.4	-20.79	622.9	-501.2	958.4	918.7	39.65	24.169	
10,800.0	10,466.6	9,969.2	9,571.5	15.6	22.5	-20.79	647.9	-501.2	958.4	918.7	39.68	24.151	
10,825.0	10,466.8	9,994.2	9,571.7	15.6	22.5	-20.79	672.9	-501.3	958.5	918.7	39.72	24.129	
10,850.0	10,467.1	10,019.2	9,571.9	15.7	22.6	-20.79	697.9	-501.3	958.5	918.8	39.76	24.106	
10,875.0	10,467.4	10,044.2	9,572.1	15.7	22.6	-20.79	722.9	-501.3	958.6	918.8	39.81	24.082	
10,900.0	10,467.6	10,069.2	9,572.3	15.8	22.7	-20.79	747.9	-501.3	958.6	918.8	39.85	24.058	
10,925.0	10,467.9	10,094.2	9,572.5	15.9	22.7	-20.78	772.9	-501.4	958.7	918.8	39.89	24.032	
10,950.0	10,468.1	10,119.2	9,572.7	15.9	22.8	-20.78	797.9	-501.4	958.8	918.8	39.94	24.005	
10,975.0	10,468.4	10,144.2	9,572.9	16.0	22.8	-20.78	822.9	-501.4	958.8	918.8	39.99	23.978	
11,000.0	10,468.7	10,169.2	9,573.1	16.0	22.9	-20.78	847.9	-501.5	958.9	918.8	40.04	23.950	
11,025.0	10,468.9	10,194.2	9,573.3	16.1	22.9	-20.78	872.9	-501.5	958.9	918.8	40.09	23.921	
11,050.0	10,469.2	10,219.2	9,573.5	16.2	23.0	-20.78	897.9	-501.5	959.0	918.8	40.14	23.890	
11,075.0	10,469.4	10,244.2	9,573.7	16.3	23.1	-20.78	922.9	-501.5	959.0	918.8	40.20	23.859	
11,100.0	10,469.7	10,269.2	9,573.9	16.3	23.1	-20.78	947.9	-501.6	959.1	918.8	40.25	23.828	
11,125.0	10,470.0	10,294.2	9,574.1	16.4	23.2	-20.77	972.9	-501.6	959.1	918.8	40.31	23.796	
11,150.0	10,470.2	10,319.2	9,574.3	16.5	23.2	-20.77	997.9	-501.6	959.2	918.8	40.37	23.762	
11,175.0	10,470.5	10,344.2	9,574.5	16.6	23.3	-20.77	1,022.9	-501.7	959.3	918.8	40.43	23.727	
11,200.0	10,470.8	10,369.2	9,574.7	16.7	23.4	-20.77	1,047.9	-501.7	959.3	918.8	40.49	23.693	
11,225.0	10,471.0	10,394.2	9,574.9	16.8	23.5	-20.77	1,072.9	-501.7	959.4	918.8	40.55	23.657	
11,250.0	10,471.3	10,419.2	9,575.1	16.9	23.5	-20.77	1,097.9	-501.7	959.4	918.8	40.62	23.620	
11,275.0	10,471.5	10,444.2	9,575.3	17.0	23.6	-20.77	1,122.9	-501.8	959.5	918.8	40.69	23.582	
11,300.0	10,471.8	10,469.2	9,575.5	17.1	23.7	-20.77	1,147.9	-501.8	959.5	918.8	40.75	23.545	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,325.0	10,472.1	10,494.2	9,575.7	17.2	23.8	-20.76	1,172.9	-501.8	959.6	918.8	40.82	23.506	
11,350.0	10,472.3	10,519.2	9,575.9	17.3	23.9	-20.76	1,197.9	-501.9	959.7	918.8	40.90	23.466	
11,375.0	10,472.6	10,544.2	9,576.1	17.4	23.9	-20.76	1,222.9	-501.9	959.7	918.7	40.97	23.425	
11,400.0	10,472.8	10,569.2	9,576.3	17.5	24.0	-20.76	1,247.9	-501.9	959.8	918.7	41.04	23.385	
11,425.0	10,473.1	10,594.2	9,576.5	17.6	24.1	-20.76	1,272.9	-501.9	959.8	918.7	41.12	23.343	
11,450.0	10,473.4	10,619.2	9,576.7	17.8	24.2	-20.76	1,297.9	-502.0	959.9	918.7	41.20	23.300	
11,475.0	10,473.6	10,644.2	9,576.9	17.9	24.3	-20.76	1,322.9	-502.0	959.9	918.7	41.28	23.256	
11,500.0	10,473.9	10,669.2	9,577.1	18.0	24.4	-20.75	1,347.9	-502.0	960.0	918.6	41.36	23.213	
11,525.0	10,474.1	10,694.2	9,577.3	18.1	24.5	-20.75	1,372.9	-502.1	960.1	918.6	41.44	23.169	
11,550.0	10,474.4	10,719.2	9,577.5	18.3	24.6	-20.75	1,397.9	-502.1	960.1	918.6	41.52	23.123	
11,575.0	10,474.7	10,744.2	9,577.7	18.4	24.7	-20.75	1,422.9	-502.1	960.2	918.6	41.61	23.077	
11,600.0	10,474.9	10,769.2	9,577.9	18.5	24.8	-20.75	1,447.9	-502.2	960.2	918.5	41.69	23.032	
11,625.0	10,475.2	10,794.2	9,578.1	18.6	24.9	-20.75	1,472.9	-502.2	960.3	918.5	41.78	22.985	
11,650.0	10,475.5	10,819.2	9,578.3	18.8	25.0	-20.75	1,497.9	-502.2	960.3	918.5	41.87	22.937	
11,675.0	10,475.7	10,844.2	9,578.5	18.9	25.1	-20.75	1,522.9	-502.2	960.4	918.4	41.96	22.889	
11,700.0	10,476.0	10,869.2	9,578.7	19.0	25.2	-20.74	1,547.9	-502.3	960.4	918.4	42.05	22.841	
11,725.0	10,476.2	10,894.2	9,578.9	19.2	25.3	-20.74	1,572.9	-502.3	960.5	918.4	42.14	22.792	
11,750.0	10,476.5	10,919.2	9,579.1	19.3	25.4	-20.74	1,597.9	-502.3	960.6	918.3	42.24	22.742	
11,775.0	10,476.8	10,944.2	9,579.3	19.5	25.5	-20.74	1,622.9	-502.4	960.6	918.3	42.33	22.691	
11,800.0	10,477.0	10,969.2	9,579.5	19.6	25.6	-20.74	1,647.9	-502.4	960.7	918.2	42.43	22.641	
11,825.0	10,477.3	10,994.2	9,579.7	19.8	25.7	-20.74	1,672.9	-502.4	960.7	918.2	42.53	22.590	
11,850.0	10,477.5	11,019.2	9,579.9	19.9	25.8	-20.74	1,697.9	-502.4	960.8	918.2	42.63	22.538	
11,875.0	10,477.8	11,044.2	9,580.1	20.0	26.0	-20.74	1,722.9	-502.5	960.8	918.1	42.73	22.486	
11,900.0	10,478.1	11,069.2	9,580.3	20.2	26.1	-20.73	1,747.9	-502.5	960.9	918.1	42.83	22.434	
11,925.0	10,478.3	11,094.2	9,580.5	20.3	26.2	-20.73	1,772.9	-502.5	961.0	918.0	42.94	22.381	
11,950.0	10,478.6	11,119.2	9,580.7	20.5	26.3	-20.73	1,797.9	-502.6	961.0	918.0	43.04	22.327	
11,975.0	10,478.9	11,144.2	9,580.9	20.6	26.4	-20.73	1,822.9	-502.6	961.1	917.9	43.15	22.274	
12,000.0	10,479.1	11,169.2	9,581.1	20.8	26.5	-20.73	1,847.9	-502.6	961.1	917.9	43.25	22.220	
12,025.0	10,479.4	11,194.2	9,581.3	21.0	26.7	-20.73	1,872.9	-502.6	961.2	917.8	43.36	22.166	
12,050.0	10,479.6	11,219.2	9,581.5	21.1	26.8	-20.73	1,897.8	-502.7	961.2	917.8	43.47	22.110	
12,075.0	10,479.9	11,244.2	9,581.7	21.3	26.9	-20.72	1,922.8	-502.7	961.3	917.7	43.59	22.055	
12,100.0	10,480.2	11,269.2	9,581.9	21.4	27.0	-20.72	1,947.8	-502.7	961.4	917.7	43.70	22.000	
12,125.0	10,480.4	11,294.2	9,582.1	21.6	27.2	-20.72	1,972.8	-502.8	961.4	917.6	43.81	21.944	
12,150.0	10,480.7	11,319.2	9,582.3	21.7	27.3	-20.72	1,997.8	-502.8	961.5	917.5	43.93	21.887	
12,175.0	10,480.9	11,344.2	9,582.5	21.9	27.4	-20.72	2,022.8	-502.8	961.5	917.5	44.04	21.831	
12,200.0	10,481.2	11,369.2	9,582.7	22.1	27.6	-20.72	2,047.8	-502.8	961.6	917.4	44.16	21.775	
12,225.0	10,481.5	11,394.2	9,582.9	22.2	27.7	-20.72	2,072.8	-502.9	961.6	917.4	44.28	21.717	
12,250.0	10,481.7	11,419.2	9,583.1	22.4	27.8	-20.72	2,097.8	-502.9	961.7	917.3	44.40	21.660	
12,275.0	10,482.0	11,444.2	9,583.3	22.6	28.0	-20.71	2,122.8	-502.9	961.7	917.2	44.52	21.602	
12,300.0	10,482.3	11,469.2	9,583.5	22.7	28.1	-20.71	2,147.8	-503.0	961.8	917.2	44.64	21.545	
12,325.0	10,482.5	11,494.2	9,583.7	22.9	28.2	-20.71	2,172.8	-503.0	961.9	917.1	44.77	21.487	
12,350.0	10,482.8	11,519.2	9,583.9	23.0	28.4	-20.71	2,197.8	-503.0	961.9	917.0	44.89	21.428	
12,375.0	10,483.0	11,544.2	9,584.1	23.2	28.5	-20.71	2,222.8	-503.0	962.0	917.0	45.02	21.369	
12,400.0	10,483.3	11,569.2	9,584.4	23.4	28.6	-20.71	2,247.8	-503.1	962.0	916.9	45.14	21.311	
12,425.0	10,483.6	11,594.2	9,584.6	23.6	28.8	-20.71	2,272.8	-503.1	962.1	916.8	45.27	21.252	
12,450.0	10,483.8	11,619.2	9,584.8	23.7	28.9	-20.71	2,297.8	-503.1	962.1	916.7	45.40	21.193	
12,475.0	10,484.1	11,644.2	9,585.0	23.9	29.1	-20.70	2,322.8	-503.2	962.2	916.7	45.53	21.133	
12,500.0	10,484.3	11,669.2	9,585.2	24.1	29.2	-20.70	2,347.8	-503.2	962.3	916.6	45.66	21.074	
12,525.0	10,484.6	11,694.2	9,585.4	24.2	29.3	-20.70	2,372.8	-503.2	962.3	916.5	45.79	21.015	
12,550.0	10,484.9	11,719.2	9,585.6	24.4	29.5	-20.70	2,397.8	-503.3	962.4	916.4	45.93	20.955	
12,575.0	10,485.1	11,744.2	9,585.8	24.6	29.6	-20.70	2,422.8	-503.3	962.4	916.4	46.06	20.895	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,600.0	10,485.4	11,769.2	9,586.0	24.8	29.8	-20.70	2,447.8	-503.3	962.5	916.3	46.20	20.835	
12,625.0	10,485.6	11,794.2	9,586.2	24.9	29.9	-20.70	2,472.8	-503.3	962.5	916.2	46.33	20.775	
12,650.0	10,485.9	11,819.2	9,586.4	25.1	30.1	-20.70	2,497.8	-503.4	962.6	916.1	46.47	20.715	
12,675.0	10,486.2	11,844.2	9,586.6	25.3	30.2	-20.69	2,522.8	-503.4	962.7	916.0	46.61	20.654	
12,700.0	10,486.4	11,869.2	9,586.8	25.5	30.4	-20.69	2,547.8	-503.4	962.7	916.0	46.75	20.594	
12,725.0	10,486.7	11,894.2	9,587.0	25.6	30.5	-20.69	2,572.8	-503.5	962.8	915.9	46.89	20.534	
12,750.0	10,487.0	11,919.2	9,587.2	25.8	30.7	-20.69	2,597.8	-503.5	962.8	915.8	47.03	20.473	
12,775.0	10,487.2	11,944.2	9,587.4	26.0	30.8	-20.69	2,622.8	-503.5	962.9	915.7	47.17	20.412	
12,800.0	10,487.5	11,969.2	9,587.6	26.2	31.0	-20.69	2,647.8	-503.5	962.9	915.6	47.31	20.352	
12,825.0	10,487.7	11,994.2	9,587.8	26.3	31.1	-20.69	2,672.8	-503.6	963.0	915.5	47.46	20.291	
12,850.0	10,488.0	12,019.2	9,588.0	26.5	31.3	-20.68	2,697.8	-503.6	963.0	915.4	47.60	20.230	
12,875.0	10,488.3	12,044.2	9,588.2	26.7	31.4	-20.68	2,722.8	-503.6	963.1	915.4	47.75	20.170	
12,900.0	10,488.5	12,069.2	9,588.4	26.9	31.6	-20.68	2,747.8	-503.7	963.2	915.3	47.90	20.109	
12,925.0	10,488.8	12,094.2	9,588.6	27.1	31.7	-20.68	2,772.8	-503.7	963.2	915.2	48.04	20.048	
12,950.0	10,489.0	12,119.2	9,588.8	27.3	31.9	-20.68	2,797.8	-503.7	963.3	915.1	48.19	19.987	
12,975.0	10,489.3	12,144.2	9,589.0	27.4	32.1	-20.68	2,822.8	-503.7	963.3	915.0	48.34	19.926	
13,000.0	10,489.6	12,169.2	9,589.2	27.6	32.2	-20.68	2,847.8	-503.8	963.4	914.9	48.49	19.866	
13,025.0	10,489.8	12,194.2	9,589.4	27.8	32.4	-20.68	2,872.8	-503.8	963.4	914.8	48.65	19.805	
13,050.0	10,490.1	12,219.2	9,589.6	28.0	32.5	-20.67	2,897.8	-503.8	963.5	914.7	48.80	19.744	
13,075.0	10,490.4	12,244.2	9,589.8	28.2	32.7	-20.67	2,922.8	-503.9	963.6	914.6	48.95	19.683	
13,100.0	10,490.6	12,269.2	9,590.0	28.4	32.9	-20.67	2,947.8	-503.9	963.6	914.5	49.11	19.623	
13,125.0	10,490.9	12,294.2	9,590.2	28.5	33.0	-20.67	2,972.8	-503.9	963.7	914.4	49.26	19.562	
13,150.0	10,491.1	12,319.2	9,590.4	28.7	33.2	-20.67	2,997.8	-503.9	963.7	914.3	49.42	19.502	
13,175.0	10,491.4	12,344.2	9,590.6	28.9	33.3	-20.67	3,022.8	-504.0	963.8	914.2	49.57	19.441	
13,200.0	10,491.7	12,369.2	9,590.8	29.1	33.5	-20.67	3,047.8	-504.0	963.8	914.1	49.73	19.381	
13,225.0	10,491.9	12,394.2	9,591.0	29.3	33.7	-20.67	3,072.8	-504.0	963.9	914.0	49.89	19.320	
13,250.0	10,492.2	12,419.2	9,591.2	29.5	33.8	-20.66	3,097.8	-504.1	964.0	913.9	50.05	19.260	
13,275.0	10,492.4	12,444.2	9,591.4	29.7	34.0	-20.66	3,122.8	-504.1	964.0	913.8	50.21	19.199	
13,300.0	10,492.7	12,469.2	9,591.6	29.8	34.2	-20.66	3,147.8	-504.1	964.1	913.7	50.37	19.139	
13,325.0	10,493.0	12,494.2	9,591.8	30.0	34.3	-20.66	3,172.8	-504.2	964.1	913.6	50.53	19.079	
13,350.0	10,493.2	12,519.2	9,592.0	30.2	34.5	-20.66	3,197.8	-504.2	964.2	913.5	50.70	19.019	
13,375.0	10,493.5	12,544.2	9,592.2	30.4	34.7	-20.66	3,222.8	-504.2	964.2	913.4	50.86	18.959	
13,400.0	10,493.8	12,569.2	9,592.4	30.6	34.8	-20.66	3,247.8	-504.2	964.3	913.3	51.02	18.900	
13,425.0	10,494.0	12,594.2	9,592.6	30.8	35.0	-20.66	3,272.8	-504.3	964.3	913.2	51.19	18.840	
13,450.0	10,494.3	12,619.2	9,592.8	31.0	35.2	-20.65	3,297.8	-504.3	964.4	913.1	51.35	18.780	
13,475.0	10,494.5	12,644.2	9,593.0	31.2	35.3	-20.65	3,322.8	-504.3	964.5	912.9	51.52	18.720	
13,500.0	10,494.8	12,669.2	9,593.2	31.4	35.5	-20.65	3,347.8	-504.4	964.5	912.8	51.69	18.661	
13,525.0	10,495.1	12,694.2	9,593.4	31.5	35.7	-20.65	3,372.8	-504.4	964.6	912.7	51.85	18.602	
13,550.0	10,495.3	12,719.2	9,593.6	31.7	35.8	-20.65	3,397.8	-504.4	964.6	912.6	52.02	18.543	
13,575.0	10,495.6	12,744.2	9,593.8	31.9	36.0	-20.65	3,422.8	-504.4	964.7	912.5	52.19	18.484	
13,600.0	10,495.8	12,769.2	9,594.0	32.1	36.2	-20.65	3,447.8	-504.5	964.7	912.4	52.36	18.425	
13,625.0	10,496.1	12,794.2	9,594.2	32.3	36.4	-20.65	3,472.8	-504.5	964.8	912.3	52.53	18.366	
13,650.0	10,496.4	12,819.2	9,594.4	32.5	36.5	-20.64	3,497.8	-504.5	964.9	912.2	52.70	18.307	
13,675.0	10,496.6	12,844.2	9,594.6	32.7	36.7	-20.64	3,522.8	-504.6	964.9	912.0	52.88	18.249	
13,700.0	10,496.9	12,869.2	9,594.8	32.9	36.9	-20.64	3,547.8	-504.6	965.0	911.9	53.05	18.191	
13,725.0	10,497.1	12,894.2	9,595.0	33.1	37.1	-20.64	3,572.8	-504.6	965.0	911.8	53.22	18.132	
13,750.0	10,497.4	12,919.2	9,595.2	33.3	37.2	-20.64	3,597.8	-504.6	965.1	911.7	53.40	18.074	
13,775.0	10,497.7	12,944.2	9,595.4	33.5	37.4	-20.64	3,622.8	-504.7	965.1	911.6	53.57	18.016	
13,800.0	10,497.9	12,969.2	9,595.6	33.7	37.6	-20.64	3,647.8	-504.7	965.2	911.5	53.74	17.959	
13,825.0	10,498.2	12,994.2	9,595.8	33.9	37.8	-20.63	3,672.8	-504.7	965.3	911.3	53.92	17.901	
13,850.0	10,498.5	13,019.2	9,596.0	34.1	37.9	-20.63	3,697.8	-504.8	965.3	911.2	54.10	17.844	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,875.0	10,498.7	13,044.2	9,596.2	34.2	38.1	-20.63	3,722.8	-504.8	965.4	911.1	54.28	17.786	
13,900.0	10,499.0	13,069.2	9,596.4	34.4	38.3	-20.63	3,747.8	-504.8	965.4	911.0	54.45	17.730	
13,925.0	10,499.2	13,094.2	9,596.6	34.6	38.5	-20.63	3,772.8	-504.8	965.5	910.8	54.63	17.673	
13,950.0	10,499.5	13,119.2	9,596.8	34.8	38.6	-20.63	3,797.8	-504.9	965.5	910.7	54.81	17.616	
13,975.0	10,499.8	13,144.2	9,597.0	35.0	38.8	-20.63	3,822.8	-504.9	965.6	910.6	54.99	17.559	
14,000.0	10,500.0	13,169.2	9,597.2	35.2	39.0	-20.63	3,847.8	-504.9	965.6	910.5	55.17	17.503	
14,025.0	10,500.3	13,194.2	9,597.4	35.4	39.2	-20.62	3,872.8	-505.0	965.7	910.4	55.35	17.447	
14,050.0	10,500.5	13,219.2	9,597.6	35.6	39.3	-20.62	3,897.8	-505.0	965.8	910.2	55.53	17.391	
14,075.0	10,500.8	13,244.2	9,597.8	35.8	39.5	-20.62	3,922.8	-505.0	965.8	910.1	55.72	17.335	
14,100.0	10,501.1	13,269.2	9,598.0	36.0	39.7	-20.62	3,947.8	-505.1	965.9	910.0	55.90	17.279	
14,125.0	10,501.3	13,294.2	9,598.2	36.2	39.9	-20.62	3,972.8	-505.1	965.9	909.8	56.08	17.224	
14,150.0	10,501.6	13,319.2	9,598.4	36.4	40.1	-20.62	3,997.8	-505.1	966.0	909.7	56.27	17.168	
14,175.0	10,501.9	13,344.2	9,598.6	36.6	40.2	-20.62	4,022.8	-505.1	966.0	909.6	56.45	17.113	
14,200.0	10,502.1	13,369.2	9,598.8	36.8	40.4	-20.62	4,047.8	-505.2	966.1	909.5	56.63	17.059	
14,225.0	10,502.4	13,394.2	9,599.0	37.0	40.6	-20.61	4,072.8	-505.2	966.2	909.3	56.82	17.004	
14,250.0	10,502.6	13,419.2	9,599.2	37.2	40.8	-20.61	4,097.8	-505.2	966.2	909.2	57.01	16.949	
14,275.0	10,502.9	13,444.2	9,599.4	37.4	41.0	-20.61	4,122.8	-505.3	966.3	909.1	57.19	16.895	
14,300.0	10,503.2	13,469.2	9,599.6	37.6	41.2	-20.61	4,147.8	-505.3	966.3	908.9	57.38	16.841	
14,325.0	10,503.4	13,494.2	9,599.8	37.8	41.3	-20.61	4,172.8	-505.3	966.4	908.8	57.57	16.787	
14,350.0	10,503.7	13,519.2	9,600.0	38.0	41.5	-20.61	4,197.8	-505.3	966.4	908.7	57.76	16.733	
14,375.0	10,503.9	13,544.2	9,600.2	38.2	41.7	-20.61	4,222.8	-505.4	966.5	908.6	57.94	16.680	
14,400.0	10,504.2	13,569.2	9,600.4	38.4	41.9	-20.61	4,247.8	-505.4	966.6	908.4	58.13	16.626	
14,425.0	10,504.5	13,594.2	9,600.6	38.6	42.1	-20.60	4,272.8	-505.4	966.6	908.3	58.32	16.573	
14,450.0	10,504.7	13,619.2	9,600.8	38.8	42.3	-20.60	4,297.8	-505.5	966.7	908.2	58.51	16.520	
14,475.0	10,505.0	13,644.2	9,601.0	39.0	42.4	-20.60	4,322.8	-505.5	966.7	908.0	58.70	16.468	
14,500.0	10,505.3	13,669.2	9,601.2	39.2	42.6	-20.60	4,347.8	-505.5	966.8	907.9	58.90	16.415	
14,525.0	10,505.5	13,694.2	9,601.4	39.4	42.8	-20.60	4,372.8	-505.5	966.8	907.7	59.09	16.363	
14,550.0	10,505.8	13,719.2	9,601.6	39.6	43.0	-20.60	4,397.8	-505.6	966.9	907.6	59.28	16.311	
14,575.0	10,506.0	13,744.2	9,601.8	39.8	43.2	-20.60	4,422.8	-505.6	966.9	907.5	59.47	16.259	
14,600.0	10,506.3	13,769.2	9,602.0	40.0	43.4	-20.60	4,447.8	-505.6	967.0	907.3	59.67	16.207	
14,625.0	10,506.6	13,794.2	9,602.2	40.2	43.5	-20.59	4,472.8	-505.7	967.1	907.2	59.86	16.156	
14,650.0	10,506.8	13,819.2	9,602.4	40.4	43.7	-20.59	4,497.8	-505.7	967.1	907.1	60.05	16.104	
14,675.0	10,507.1	13,844.2	9,602.6	40.6	43.9	-20.59	4,522.8	-505.7	967.2	906.9	60.25	16.053	
14,700.0	10,507.3	13,869.2	9,602.8	40.8	44.1	-20.59	4,547.8	-505.7	967.2	906.8	60.44	16.002	
14,725.0	10,507.6	13,894.2	9,603.0	41.0	44.3	-20.59	4,572.8	-505.8	967.3	906.6	60.64	15.952	
14,750.0	10,507.9	13,919.2	9,603.2	41.2	44.5	-20.59	4,597.8	-505.8	967.3	906.5	60.83	15.901	
14,775.0	10,508.1	13,944.2	9,603.4	41.4	44.7	-20.59	4,622.8	-505.8	967.4	906.4	61.03	15.851	
14,800.0	10,508.4	13,969.2	9,603.6	41.6	44.9	-20.59	4,647.8	-505.9	967.5	906.2	61.23	15.801	
14,825.0	10,508.6	13,994.2	9,603.8	41.8	45.0	-20.58	4,672.7	-505.9	967.5	906.1	61.42	15.751	
14,850.0	10,508.9	14,019.2	9,604.0	42.0	45.2	-20.58	4,697.7	-505.9	967.6	905.9	61.62	15.702	
14,875.0	10,509.2	14,044.2	9,604.2	42.2	45.4	-20.58	4,722.7	-506.0	967.6	905.8	61.82	15.652	
14,900.0	10,509.4	14,069.2	9,604.4	42.4	45.6	-20.58	4,747.7	-506.0	967.7	905.7	62.02	15.603	
14,925.0	10,509.7	14,094.2	9,604.6	42.6	45.8	-20.58	4,772.7	-506.0	967.7	905.5	62.22	15.554	
14,950.0	10,510.0	14,119.2	9,604.8	42.8	46.0	-20.58	4,797.7	-506.0	967.8	905.4	62.42	15.505	
14,975.0	10,510.2	14,144.2	9,605.0	43.0	46.2	-20.58	4,822.7	-506.1	967.9	905.2	62.62	15.457	
15,000.0	10,510.5	14,169.2	9,605.2	43.2	46.4	-20.57	4,847.7	-506.1	967.9	905.1	62.82	15.408	
15,025.0	10,510.7	14,194.2	9,605.4	43.4	46.6	-20.57	4,872.7	-506.1	968.0	904.9	63.02	15.360	
15,050.0	10,511.0	14,219.2	9,605.6	43.6	46.7	-20.57	4,897.7	-506.2	968.0	904.8	63.22	15.312	
15,075.0	10,511.3	14,244.2	9,605.8	43.8	46.9	-20.57	4,922.7	-506.2	968.1	904.7	63.42	15.264	
15,100.0	10,511.5	14,269.2	9,606.0	44.0	47.1	-20.57	4,947.7	-506.2	968.1	904.5	63.62	15.217	
15,125.0	10,511.8	14,294.2	9,606.2	44.2	47.3	-20.57	4,972.7	-506.2	968.2	904.4	63.82	15.170	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,150.0	10,512.0	14,319.2	9,606.4	44.4	47.5	-20.57	4,997.7	-506.3	968.3	904.2	64.03	15.123	
15,175.0	10,512.3	14,344.2	9,606.6	44.6	47.7	-20.57	5,022.7	-506.3	968.3	904.1	64.23	15.076	
15,200.0	10,512.6	14,369.2	9,606.8	44.8	47.9	-20.56	5,047.7	-506.3	968.4	903.9	64.43	15.029	
15,225.0	10,512.8	14,394.2	9,607.0	45.0	48.1	-20.56	5,072.7	-506.4	968.4	903.8	64.64	14.983	
15,250.0	10,513.1	14,419.2	9,607.2	45.2	48.3	-20.56	5,097.7	-506.4	968.5	903.6	64.84	14.936	
15,275.0	10,513.4	14,444.2	9,607.4	45.4	48.5	-20.56	5,122.7	-506.4	968.5	903.5	65.05	14.890	
15,300.0	10,513.6	14,469.2	9,607.6	45.6	48.7	-20.56	5,147.7	-506.4	968.6	903.3	65.25	14.844	
15,325.0	10,513.9	14,494.2	9,607.8	45.8	48.8	-20.56	5,172.7	-506.5	968.6	903.2	65.45	14.799	
15,350.0	10,514.1	14,519.2	9,608.0	46.0	49.0	-20.56	5,197.7	-506.5	968.7	903.0	65.66	14.753	
15,375.0	10,514.4	14,544.2	9,608.2	46.2	49.2	-20.56	5,222.7	-506.5	968.8	902.9	65.87	14.708	
15,400.0	10,514.7	14,569.2	9,608.4	46.4	49.4	-20.55	5,247.7	-506.6	968.8	902.7	66.07	14.663	
15,425.0	10,514.9	14,594.2	9,608.6	46.6	49.6	-20.55	5,272.7	-506.6	968.9	902.6	66.28	14.618	
15,450.0	10,515.2	14,619.2	9,608.9	46.8	49.8	-20.55	5,297.7	-506.6	968.9	902.4	66.49	14.573	
15,475.0	10,515.4	14,644.2	9,609.1	47.0	50.0	-20.55	5,322.7	-506.6	969.0	902.3	66.69	14.529	
15,500.0	10,515.7	14,669.2	9,609.3	47.3	50.2	-20.55	5,347.7	-506.7	969.0	902.1	66.90	14.485	
15,525.0	10,516.0	14,694.2	9,609.5	47.5	50.4	-20.55	5,372.7	-506.7	969.1	902.0	67.11	14.441	
15,550.0	10,516.2	14,719.2	9,609.7	47.7	50.6	-20.55	5,397.7	-506.7	969.2	901.8	67.32	14.397	
15,575.0	10,516.5	14,744.2	9,609.9	47.9	50.8	-20.55	5,422.7	-506.8	969.2	901.7	67.53	14.353	
15,600.0	10,516.7	14,769.2	9,610.1	48.1	51.0	-20.54	5,447.7	-506.8	969.3	901.5	67.73	14.310	
15,625.0	10,517.0	14,794.2	9,610.3	48.3	51.2	-20.54	5,472.7	-506.8	969.3	901.4	67.94	14.267	
15,650.0	10,517.3	14,819.2	9,610.5	48.5	51.4	-20.54	5,497.7	-506.9	969.4	901.2	68.15	14.224	
15,675.0	10,517.5	14,844.2	9,610.7	48.7	51.6	-20.54	5,522.7	-506.9	969.4	901.1	68.36	14.181	
15,700.0	10,517.8	14,869.2	9,610.9	48.9	51.7	-20.54	5,547.7	-506.9	969.5	900.9	68.57	14.138	
15,725.0	10,518.1	14,894.2	9,611.1	49.1	51.9	-20.54	5,572.7	-506.9	969.6	900.8	68.78	14.096	
15,750.0	10,518.3	14,919.2	9,611.3	49.3	52.1	-20.54	5,597.7	-507.0	969.6	900.6	68.99	14.054	
15,775.0	10,518.6	14,944.2	9,611.5	49.5	52.3	-20.54	5,622.7	-507.0	969.7	900.5	69.20	14.012	
15,800.0	10,518.8	14,969.2	9,611.7	49.7	52.5	-20.53	5,647.7	-507.0	969.7	900.3	69.42	13.970	
15,825.0	10,519.1	14,994.2	9,611.9	49.9	52.7	-20.53	5,672.7	-507.1	969.8	900.2	69.63	13.928	
15,850.0	10,519.4	15,019.2	9,612.1	50.1	52.9	-20.53	5,697.7	-507.1	969.8	900.0	69.84	13.887	
15,875.0	10,519.6	15,044.2	9,612.3	50.3	53.1	-20.53	5,722.7	-507.1	969.9	899.8	70.05	13.845	
15,900.0	10,519.9	15,069.2	9,612.5	50.5	53.3	-20.53	5,747.7	-507.1	969.9	899.7	70.26	13.804	
15,925.0	10,520.1	15,094.2	9,612.7	50.7	53.5	-20.53	5,772.7	-507.2	970.0	899.5	70.48	13.764	
15,950.0	10,520.4	15,119.2	9,612.9	50.9	53.7	-20.53	5,797.7	-507.2	970.1	899.4	70.69	13.723	
15,975.0	10,520.7	15,144.2	9,613.1	51.1	53.9	-20.53	5,822.7	-507.2	970.1	899.2	70.90	13.682	
16,000.0	10,520.9	15,169.2	9,613.3	51.4	54.1	-20.52	5,847.7	-507.3	970.2	899.1	71.12	13.642	
16,025.0	10,521.2	15,194.2	9,613.5	51.6	54.3	-20.52	5,872.7	-507.3	970.2	898.9	71.33	13.602	
16,050.0	10,521.5	15,219.2	9,613.7	51.8	54.5	-20.52	5,897.7	-507.3	970.3	898.7	71.54	13.562	
16,075.0	10,521.7	15,244.2	9,613.9	52.0	54.7	-20.52	5,922.7	-507.3	970.3	898.6	71.76	13.522	
16,100.0	10,522.0	15,269.2	9,614.1	52.2	54.9	-20.52	5,947.7	-507.4	970.4	898.4	71.97	13.483	
16,125.0	10,522.2	15,294.2	9,614.3	52.4	55.1	-20.52	5,972.7	-507.4	970.5	898.3	72.19	13.444	
16,150.0	10,522.5	15,319.2	9,614.5	52.6	55.3	-20.52	5,997.7	-507.4	970.5	898.1	72.40	13.404	
16,175.0	10,522.8	15,344.2	9,614.7	52.8	55.5	-20.52	6,022.7	-507.5	970.6	898.0	72.62	13.365	
16,200.0	10,523.0	15,369.2	9,614.9	53.0	55.7	-20.51	6,047.7	-507.5	970.6	897.8	72.83	13.327	
16,225.0	10,523.3	15,394.2	9,615.1	53.2	55.9	-20.51	6,072.7	-507.5	970.7	897.6	73.05	13.288	
16,250.0	10,523.5	15,419.2	9,615.3	53.4	56.1	-20.51	6,097.7	-507.5	970.7	897.5	73.27	13.250	
16,275.0	10,523.8	15,444.2	9,615.5	53.6	56.3	-20.51	6,122.7	-507.6	970.8	897.3	73.48	13.211	
16,300.0	10,524.1	15,469.2	9,615.7	53.8	56.5	-20.51	6,147.7	-507.6	970.9	897.2	73.70	13.173	
16,325.0	10,524.3	15,494.2	9,615.9	54.0	56.7	-20.51	6,172.7	-507.6	970.9	897.0	73.92	13.135	
16,350.0	10,524.6	15,519.2	9,616.1	54.2	56.9	-20.51	6,197.7	-507.7	971.0	896.8	74.13	13.098	
16,375.0	10,524.9	15,544.2	9,616.3	54.4	57.1	-20.51	6,222.7	-507.7	971.0	896.7	74.35	13.060	
16,400.0	10,525.1	15,569.2	9,616.5	54.7	57.2	-20.50	6,247.7	-507.7	971.1	896.5	74.57	13.023	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,425.0	10,525.4	15,594.2	9,616.7	54.9	57.4	-20.50	6,272.7	-507.8	971.1	896.4	74.79	12.986	
16,450.0	10,525.6	15,619.2	9,616.9	55.1	57.6	-20.50	6,297.7	-507.8	971.2	896.2	75.00	12.949	
16,475.0	10,525.9	15,644.2	9,617.1	55.3	57.8	-20.50	6,322.7	-507.8	971.2	896.0	75.22	12.912	
16,500.0	10,526.2	15,669.2	9,617.3	55.5	58.0	-20.50	6,347.7	-507.8	971.3	895.9	75.44	12.875	
16,525.0	10,526.4	15,694.2	9,617.5	55.7	58.2	-20.50	6,372.7	-507.9	971.4	895.7	75.66	12.839	
16,550.0	10,526.7	15,719.2	9,617.7	55.9	58.4	-20.50	6,397.7	-507.9	971.4	895.5	75.88	12.802	
16,575.0	10,526.9	15,744.2	9,617.9	56.1	58.6	-20.50	6,422.7	-507.9	971.5	895.4	76.10	12.766	
16,600.0	10,527.2	15,769.2	9,618.1	56.3	58.8	-20.49	6,447.7	-508.0	971.5	895.2	76.32	12.730	
16,625.0	10,527.5	15,794.2	9,618.3	56.5	59.0	-20.49	6,472.7	-508.0	971.6	895.1	76.54	12.694	
16,650.0	10,527.7	15,819.2	9,618.5	56.7	59.2	-20.49	6,497.7	-508.0	971.6	894.9	76.76	12.659	
16,675.0	10,528.0	15,844.2	9,618.7	56.9	59.4	-20.49	6,522.7	-508.0	971.7	894.7	76.98	12.623	
16,700.0	10,528.2	15,869.2	9,618.9	57.1	59.6	-20.49	6,547.7	-508.1	971.8	894.6	77.20	12.588	
16,725.0	10,528.5	15,894.2	9,619.1	57.3	59.8	-20.49	6,572.7	-508.1	971.8	894.4	77.42	12.553	
16,750.0	10,528.8	15,919.2	9,619.3	57.6	60.0	-20.49	6,597.7	-508.1	971.9	894.2	77.64	12.518	
16,775.0	10,529.0	15,944.2	9,619.5	57.8	60.2	-20.48	6,622.7	-508.2	971.9	894.1	77.86	12.483	
16,800.0	10,529.3	15,969.2	9,619.7	58.0	60.4	-20.48	6,647.7	-508.2	972.0	893.9	78.08	12.448	
16,825.0	10,529.6	15,994.2	9,619.9	58.2	60.6	-20.48	6,672.7	-508.2	972.0	893.7	78.30	12.414	
16,850.0	10,529.8	16,019.2	9,620.1	58.4	60.8	-20.48	6,697.7	-508.2	972.1	893.6	78.52	12.380	
16,875.0	10,530.1	16,044.2	9,620.3	58.6	61.0	-20.48	6,722.7	-508.3	972.2	893.4	78.75	12.346	
16,900.0	10,530.3	16,069.2	9,620.5	58.8	61.2	-20.48	6,747.7	-508.3	972.2	893.2	78.97	12.312	
16,925.0	10,530.6	16,094.2	9,620.7	59.0	61.4	-20.48	6,772.7	-508.3	972.3	893.1	79.19	12.278	
16,950.0	10,530.9	16,119.2	9,620.9	59.2	61.6	-20.48	6,797.7	-508.4	972.3	892.9	79.41	12.244	
16,975.0	10,531.1	16,144.2	9,621.1	59.4	61.8	-20.47	6,822.7	-508.4	972.4	892.7	79.63	12.211	
17,000.0	10,531.4	16,169.2	9,621.3	59.6	62.0	-20.47	6,847.7	-508.4	972.4	892.6	79.86	12.177	
17,025.0	10,531.6	16,194.2	9,621.5	59.8	62.2	-20.47	6,872.7	-508.4	972.5	892.4	80.08	12.144	
17,050.0	10,531.9	16,219.2	9,621.7	60.0	62.4	-20.47	6,897.7	-508.5	972.6	892.2	80.30	12.111	
17,075.0	10,532.2	16,244.2	9,621.9	60.3	62.6	-20.47	6,922.7	-508.5	972.6	892.1	80.53	12.078	
17,100.0	10,532.4	16,269.2	9,622.1	60.5	62.8	-20.47	6,947.7	-508.5	972.7	891.9	80.75	12.045	
17,125.0	10,532.7	16,294.2	9,622.3	60.7	63.0	-20.47	6,972.7	-508.6	972.7	891.7	80.97	12.013	
17,150.0	10,533.0	16,319.2	9,622.5	60.9	63.2	-20.47	6,997.7	-508.6	972.8	891.6	81.20	11.980	
17,175.0	10,533.2	16,344.2	9,622.7	61.1	63.4	-20.46	7,022.7	-508.6	972.8	891.4	81.42	11.948	
17,200.0	10,533.5	16,369.2	9,622.9	61.3	63.6	-20.46	7,047.7	-508.7	972.9	891.2	81.65	11.916	
17,225.0	10,533.7	16,394.2	9,623.1	61.5	63.9	-20.46	7,072.7	-508.7	972.9	891.1	81.87	11.884	
17,250.0	10,534.0	16,419.2	9,623.3	61.7	64.1	-20.46	7,097.7	-508.7	973.0	890.9	82.09	11.852	
17,275.0	10,534.3	16,444.2	9,623.5	61.9	64.3	-20.46	7,122.7	-508.7	973.1	890.7	82.32	11.821	
17,300.0	10,534.5	16,469.2	9,623.7	62.1	64.5	-20.46	7,147.7	-508.8	973.1	890.6	82.54	11.789	
17,325.0	10,534.8	16,494.2	9,623.9	62.3	64.7	-20.46	7,172.7	-508.8	973.2	890.4	82.77	11.758	
17,350.0	10,535.0	16,519.2	9,624.1	62.5	64.9	-20.46	7,197.7	-508.8	973.2	890.2	82.99	11.726	
17,375.0	10,535.3	16,544.2	9,624.3	62.8	65.1	-20.45	7,222.7	-508.9	973.3	890.1	83.22	11.695	
17,400.0	10,535.6	16,569.2	9,624.5	63.0	65.3	-20.45	7,247.7	-508.9	973.3	889.9	83.45	11.664	
17,425.0	10,535.8	16,594.2	9,624.7	63.2	65.5	-20.45	7,272.7	-508.9	973.4	889.7	83.67	11.634	
17,450.0	10,536.1	16,619.2	9,624.9	63.4	65.7	-20.45	7,297.7	-508.9	973.5	889.6	83.90	11.603	
17,475.0	10,536.4	16,644.2	9,625.1	63.6	65.9	-20.45	7,322.7	-509.0	973.5	889.4	84.12	11.572	
17,500.0	10,536.6	16,669.2	9,625.3	63.8	66.1	-20.45	7,347.7	-509.0	973.6	889.2	84.35	11.542	
17,525.0	10,536.9	16,694.2	9,625.5	64.0	66.3	-20.45	7,372.7	-509.0	973.6	889.1	84.58	11.512	
17,550.0	10,537.1	16,719.2	9,625.7	64.2	66.5	-20.45	7,397.7	-509.1	973.7	888.9	84.80	11.482	
17,575.0	10,537.4	16,744.2	9,625.9	64.4	66.7	-20.44	7,422.7	-509.1	973.7	888.7	85.03	11.452	
17,600.0	10,537.7	16,769.2	9,626.1	64.6	66.9	-20.44	7,447.7	-509.1	973.8	888.5	85.26	11.422	
17,625.0	10,537.9	16,794.2	9,626.3	64.8	67.1	-20.44	7,472.6	-509.1	973.9	888.4	85.48	11.392	
17,650.0	10,538.2	16,819.2	9,626.5	65.0	67.3	-20.44	7,497.6	-509.2	973.9	888.2	85.71	11.363	
17,675.0	10,538.4	16,844.2	9,626.7	65.3	67.5	-20.44	7,522.6	-509.2	974.0	888.0	85.94	11.333	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,700.0	10,538.7	16,869.2	9,626.9	65.5	67.7	-20.44	7,547.6	-509.2	974.0	887.9	86.17	11.304	
17,725.0	10,539.0	16,894.2	9,627.1	65.7	67.9	-20.44	7,572.6	-509.3	974.1	887.7	86.39	11.275	
17,750.0	10,539.2	16,919.2	9,627.3	65.9	68.1	-20.44	7,597.6	-509.3	974.1	887.5	86.62	11.246	
17,775.0	10,539.5	16,944.2	9,627.5	66.1	68.3	-20.43	7,622.6	-509.3	974.2	887.3	86.85	11.217	
17,800.0	10,539.7	16,969.2	9,627.7	66.3	68.5	-20.43	7,647.6	-509.3	974.3	887.2	87.08	11.188	
17,825.0	10,540.0	16,994.2	9,627.9	66.5	68.7	-20.43	7,672.6	-509.4	974.3	887.0	87.30	11.160	
17,850.0	10,540.3	17,019.2	9,628.1	66.7	68.9	-20.43	7,697.6	-509.4	974.4	886.8	87.53	11.131	
17,875.0	10,540.5	17,044.2	9,628.3	66.9	69.1	-20.43	7,722.6	-509.4	974.4	886.7	87.76	11.103	
17,900.0	10,540.8	17,069.2	9,628.5	67.1	69.3	-20.43	7,747.6	-509.5	974.5	886.5	87.99	11.075	
17,925.0	10,541.1	17,094.2	9,628.7	67.3	69.5	-20.43	7,772.6	-509.5	974.5	886.3	88.22	11.047	
17,950.0	10,541.3	17,119.2	9,628.9	67.6	69.7	-20.43	7,797.6	-509.5	974.6	886.1	88.45	11.019	
17,975.0	10,541.6	17,144.2	9,629.1	67.8	69.9	-20.42	7,822.6	-509.6	974.6	886.0	88.68	10.991	
18,000.0	10,541.8	17,169.2	9,629.3	68.0	70.1	-20.42	7,847.6	-509.6	974.7	885.8	88.91	10.963	
18,025.0	10,542.1	17,194.2	9,629.5	68.2	70.3	-20.42	7,872.6	-509.6	974.8	885.6	89.14	10.936	
18,050.0	10,542.4	17,219.2	9,629.7	68.4	70.5	-20.42	7,897.6	-509.6	974.8	885.5	89.37	10.908	
18,075.0	10,542.6	17,244.2	9,629.9	68.6	70.7	-20.42	7,922.6	-509.7	974.9	885.3	89.59	10.881	
18,100.0	10,542.9	17,269.2	9,630.1	68.8	71.0	-20.42	7,947.6	-509.7	974.9	885.1	89.82	10.854	
18,125.0	10,543.1	17,294.2	9,630.3	69.0	71.2	-20.42	7,972.6	-509.7	975.0	884.9	90.05	10.827	
18,150.0	10,543.4	17,319.2	9,630.5	69.2	71.4	-20.42	7,997.6	-509.8	975.0	884.8	90.28	10.800	
18,175.0	10,543.7	17,344.2	9,630.7	69.4	71.6	-20.41	8,022.6	-509.8	975.1	884.6	90.51	10.773	
18,200.0	10,543.9	17,369.2	9,630.9	69.7	71.8	-20.41	8,047.6	-509.8	975.2	884.4	90.74	10.746	
18,225.0	10,544.2	17,394.2	9,631.1	69.9	72.0	-20.41	8,072.6	-509.8	975.2	884.2	90.98	10.720	
18,250.0	10,544.5	17,419.2	9,631.3	70.1	72.2	-20.41	8,097.6	-509.9	975.3	884.1	91.21	10.693	
18,275.0	10,544.7	17,444.2	9,631.5	70.3	72.4	-20.41	8,122.6	-509.9	975.3	883.9	91.44	10.667	
18,300.0	10,545.0	17,469.2	9,631.7	70.5	72.6	-20.41	8,147.6	-509.9	975.4	883.7	91.67	10.640	
18,325.0	10,545.2	17,494.2	9,631.9	70.7	72.8	-20.41	8,172.6	-510.0	975.4	883.5	91.90	10.614	
18,350.0	10,545.5	17,519.2	9,632.1	70.9	73.0	-20.41	8,197.6	-510.0	975.5	883.4	92.13	10.588	
18,375.0	10,545.8	17,544.2	9,632.3	71.1	73.2	-20.40	8,222.6	-510.0	975.6	883.2	92.36	10.562	
18,400.0	10,546.0	17,569.2	9,632.5	71.3	73.4	-20.40	8,247.6	-510.0	975.6	883.0	92.59	10.537	
18,425.0	10,546.3	17,594.2	9,632.7	71.5	73.6	-20.40	8,272.6	-510.1	975.7	882.8	92.82	10.511	
18,450.0	10,546.5	17,619.2	9,632.9	71.7	73.8	-20.40	8,297.6	-510.1	975.7	882.7	93.05	10.486	
18,475.0	10,546.8	17,644.2	9,633.2	72.0	74.0	-20.40	8,322.6	-510.1	975.8	882.5	93.29	10.460	
18,500.0	10,547.1	17,669.2	9,633.4	72.2	74.2	-20.40	8,347.6	-510.2	975.8	882.3	93.52	10.435	
18,525.0	10,547.3	17,694.2	9,633.6	72.4	74.4	-20.40	8,372.6	-510.2	975.9	882.1	93.75	10.410	
18,550.0	10,547.6	17,719.2	9,633.8	72.6	74.6	-20.40	8,397.6	-510.2	975.9	882.0	93.98	10.385	
18,575.0	10,547.9	17,744.2	9,634.0	72.8	74.8	-20.39	8,422.6	-510.2	976.0	881.8	94.21	10.360	
18,600.0	10,548.1	17,769.2	9,634.2	73.0	75.0	-20.39	8,447.6	-510.3	976.1	881.6	94.45	10.335	
18,625.0	10,548.4	17,794.2	9,634.4	73.2	75.2	-20.39	8,472.6	-510.3	976.1	881.4	94.68	10.310	
18,650.0	10,548.6	17,819.2	9,634.6	73.4	75.5	-20.39	8,497.6	-510.3	976.2	881.3	94.91	10.285	
18,675.0	10,548.9	17,844.2	9,634.8	73.6	75.7	-20.39	8,522.6	-510.4	976.2	881.1	95.14	10.261	
18,700.0	10,549.2	17,869.2	9,635.0	73.8	75.9	-20.39	8,547.6	-510.4	976.3	880.9	95.38	10.236	
18,725.0	10,549.4	17,894.2	9,635.2	74.1	76.1	-20.39	8,572.6	-510.4	976.3	880.7	95.61	10.212	
18,750.0	10,549.7	17,919.2	9,635.4	74.3	76.3	-20.39	8,597.6	-510.4	976.4	880.6	95.84	10.188	
18,775.0	10,549.9	17,944.2	9,635.6	74.5	76.5	-20.38	8,622.6	-510.5	976.5	880.4	96.07	10.164	
18,800.0	10,550.2	17,969.2	9,635.8	74.7	76.7	-20.38	8,647.6	-510.5	976.5	880.2	96.31	10.140	
18,825.0	10,550.5	17,994.2	9,636.0	74.9	76.9	-20.38	8,672.6	-510.5	976.6	880.0	96.54	10.116	
18,850.0	10,550.7	18,019.2	9,636.2	75.1	77.1	-20.38	8,697.6	-510.6	976.6	879.9	96.77	10.092	
18,875.0	10,551.0	18,044.2	9,636.4	75.3	77.3	-20.38	8,722.6	-510.6	976.7	879.7	97.01	10.068	
18,900.0	10,551.2	18,069.2	9,636.6	75.5	77.5	-20.38	8,747.6	-510.6	976.7	879.5	97.24	10.045	
18,925.0	10,551.5	18,094.2	9,636.8	75.7	77.7	-20.38	8,772.6	-510.7	976.8	879.3	97.47	10.021	
18,950.0	10,551.8	18,119.2	9,637.0	76.0	77.9	-20.38	8,797.6	-510.7	976.9	879.1	97.71	9.998	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
18,975.0	10,552.0	18,144.2	9,637.2	76.2	78.1	-20.37	8,822.6	-510.7	976.9	879.0	97.94	9.975	
19,000.0	10,552.3	18,169.2	9,637.4	76.4	78.3	-20.37	8,847.6	-510.7	977.0	878.8	98.17	9.951	
19,025.0	10,552.6	18,194.2	9,637.6	76.6	78.5	-20.37	8,872.6	-510.8	977.0	878.6	98.41	9.928	
19,050.0	10,552.8	18,219.2	9,637.8	76.8	78.7	-20.37	8,897.6	-510.8	977.1	878.4	98.64	9.905	
19,075.0	10,553.1	18,244.2	9,638.0	77.0	78.9	-20.37	8,922.6	-510.8	977.1	878.3	98.88	9.882	
19,100.0	10,553.3	18,269.2	9,638.2	77.2	79.2	-20.37	8,947.6	-510.9	977.2	878.1	99.11	9.860	
19,125.0	10,553.6	18,294.2	9,638.4	77.4	79.4	-20.37	8,972.6	-510.9	977.3	877.9	99.35	9.837	
19,150.0	10,553.9	18,319.2	9,638.6	77.6	79.6	-20.37	8,997.6	-510.9	977.3	877.7	99.58	9.814	
19,175.0	10,554.1	18,344.2	9,638.8	77.8	79.8	-20.36	9,022.6	-510.9	977.4	877.6	99.81	9.792	
19,200.0	10,554.4	18,369.2	9,639.0	78.1	80.0	-20.36	9,047.6	-511.0	977.4	877.4	100.05	9.769	
19,225.0	10,554.6	18,394.2	9,639.2	78.3	80.2	-20.36	9,072.6	-511.0	977.5	877.2	100.28	9.747	
19,250.0	10,554.9	18,419.2	9,639.4	78.5	80.4	-20.36	9,097.6	-511.0	977.5	877.0	100.52	9.725	
19,275.0	10,555.2	18,444.2	9,639.6	78.7	80.6	-20.36	9,122.6	-511.1	977.6	876.8	100.75	9.703	
19,300.0	10,555.4	18,469.2	9,639.8	78.9	80.8	-20.36	9,147.6	-511.1	977.6	876.7	100.99	9.681	
19,325.0	10,555.7	18,494.2	9,640.0	79.1	81.0	-20.36	9,172.6	-511.1	977.7	876.5	101.22	9.659	
19,350.0	10,556.0	18,519.2	9,640.2	79.3	81.2	-20.36	9,197.6	-511.1	977.8	876.3	101.46	9.637	
19,375.0	10,556.2	18,544.2	9,640.4	79.5	81.4	-20.35	9,222.6	-511.2	977.8	876.1	101.69	9.615	
19,400.0	10,556.5	18,569.2	9,640.6	79.7	81.6	-20.35	9,247.6	-511.2	977.9	875.9	101.93	9.594	
19,425.0	10,556.7	18,594.2	9,640.8	80.0	81.8	-20.35	9,272.6	-511.2	977.9	875.8	102.16	9.572	
19,450.0	10,557.0	18,619.2	9,641.0	80.2	82.0	-20.35	9,297.6	-511.3	978.0	875.6	102.40	9.551	
19,475.0	10,557.3	18,644.2	9,641.2	80.4	82.2	-20.35	9,322.6	-511.3	978.0	875.4	102.64	9.529	
19,500.0	10,557.5	18,669.2	9,641.4	80.6	82.5	-20.35	9,347.6	-511.3	978.1	875.2	102.87	9.508	
19,525.0	10,557.8	18,694.2	9,641.6	80.8	82.7	-20.35	9,372.6	-511.3	978.2	875.1	103.11	9.487	
19,550.0	10,558.0	18,719.2	9,641.8	81.0	82.9	-20.35	9,397.6	-511.4	978.2	874.9	103.34	9.466	
19,575.0	10,558.3	18,744.2	9,642.0	81.2	83.1	-20.34	9,422.6	-511.4	978.3	874.7	103.58	9.445	
19,600.0	10,558.6	18,769.2	9,642.2	81.4	83.3	-20.34	9,447.6	-511.4	978.3	874.5	103.81	9.424	
19,625.0	10,558.8	18,794.2	9,642.4	81.6	83.5	-20.34	9,472.6	-511.5	978.4	874.3	104.05	9.403	
19,650.0	10,559.1	18,819.2	9,642.6	81.8	83.7	-20.34	9,497.6	-511.5	978.4	874.2	104.29	9.382	
19,675.0	10,559.3	18,844.2	9,642.8	82.1	83.9	-20.34	9,522.6	-511.5	978.5	874.0	104.52	9.362	
19,700.0	10,559.6	18,869.2	9,643.0	82.3	84.1	-20.34	9,547.6	-511.6	978.6	873.8	104.76	9.341	
19,725.0	10,559.9	18,894.2	9,643.2	82.5	84.3	-20.34	9,572.6	-511.6	978.6	873.6	105.00	9.320	
19,750.0	10,560.1	18,919.2	9,643.4	82.7	84.5	-20.34	9,597.6	-511.6	978.7	873.4	105.23	9.300	
19,775.0	10,560.4	18,944.2	9,643.6	82.9	84.7	-20.33	9,622.6	-511.6	978.7	873.3	105.47	9.280	
19,800.0	10,560.7	18,969.2	9,643.8	83.1	84.9	-20.33	9,647.6	-511.7	978.8	873.1	105.71	9.259	
19,825.0	10,560.9	18,994.2	9,644.0	83.3	85.1	-20.33	9,672.6	-511.7	978.8	872.9	105.94	9.239	
19,850.0	10,561.2	19,019.2	9,644.2	83.5	85.4	-20.33	9,697.6	-511.7	978.9	872.7	106.18	9.219	
19,875.0	10,561.4	19,044.2	9,644.4	83.7	85.6	-20.33	9,722.6	-511.8	979.0	872.5	106.42	9.199	
19,900.0	10,561.7	19,069.2	9,644.6	84.0	85.8	-20.33	9,747.6	-511.8	979.0	872.4	106.65	9.179	
19,925.0	10,562.0	19,094.2	9,644.8	84.2	86.0	-20.33	9,772.6	-511.8	979.1	872.2	106.89	9.160	
19,950.0	10,562.2	19,119.2	9,645.0	84.4	86.2	-20.33	9,797.6	-511.8	979.1	872.0	107.13	9.140	
19,975.0	10,562.5	19,144.2	9,645.2	84.6	86.4	-20.32	9,822.6	-511.9	979.2	871.8	107.36	9.120	
20,000.0	10,562.7	19,169.2	9,645.4	84.8	86.6	-20.32	9,847.6	-511.9	979.2	871.6	107.60	9.101	
20,025.0	10,563.0	19,194.2	9,645.6	85.0	86.8	-20.32	9,872.6	-511.9	979.3	871.5	107.84	9.081	
20,050.0	10,563.3	19,219.2	9,645.8	85.2	87.0	-20.32	9,897.6	-512.0	979.3	871.3	108.08	9.062	
20,075.0	10,563.5	19,244.2	9,646.0	85.4	87.2	-20.32	9,922.6	-512.0	979.4	871.1	108.31	9.042	
20,100.0	10,563.8	19,269.2	9,646.2	85.6	87.4	-20.32	9,947.6	-512.0	979.5	870.9	108.55	9.023	
20,125.0	10,564.1	19,294.2	9,646.4	85.9	87.6	-20.32	9,972.6	-512.0	979.5	870.7	108.79	9.004	
20,150.0	10,564.3	19,319.2	9,646.6	86.1	87.8	-20.32	9,997.6	-512.1	979.6	870.5	109.03	8.985	
20,175.0	10,564.6	19,344.2	9,646.8	86.3	88.1	-20.31	10,022.6	-512.1	979.6	870.4	109.26	8.966	
20,200.0	10,564.8	19,369.2	9,647.0	86.5	88.3	-20.31	10,047.6	-512.1	979.7	870.2	109.50	8.947	
20,225.0	10,565.1	19,394.2	9,647.2	86.7	88.5	-20.31	10,072.6	-512.2	979.7	870.0	109.74	8.928	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9161-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,250.0	10,565.4	19,419.2	9,647.4	86.9	88.7	-20.31	10,097.6	-512.2	979.8	869.8	109.98	8.909	
20,275.0	10,565.6	19,444.2	9,647.6	87.1	88.9	-20.31	10,122.6	-512.2	979.9	869.6	110.22	8.890	
20,300.0	10,565.9	19,469.2	9,647.8	87.3	89.1	-20.31	10,147.6	-512.2	979.9	869.5	110.45	8.872	
20,325.0	10,566.1	19,494.2	9,648.0	87.5	89.3	-20.31	10,172.6	-512.3	980.0	869.3	110.69	8.853	
20,350.0	10,566.4	19,519.2	9,648.2	87.8	89.5	-20.31	10,197.6	-512.3	980.0	869.1	110.93	8.835	
20,375.0	10,566.7	19,544.2	9,648.4	88.0	89.7	-20.30	10,222.6	-512.3	980.1	868.9	111.17	8.816	
20,400.0	10,566.9	19,569.2	9,648.6	88.2	89.9	-20.30	10,247.5	-512.4	980.1	868.7	111.41	8.798	
20,425.0	10,567.2	19,594.2	9,648.8	88.4	90.1	-20.30	10,272.5	-512.4	980.2	868.6	111.65	8.780	
20,450.0	10,567.5	19,619.2	9,649.0	88.6	90.3	-20.30	10,297.5	-512.4	980.3	868.4	111.88	8.761	
20,475.0	10,567.7	19,644.2	9,649.2	88.8	90.5	-20.30	10,322.5	-512.5	980.3	868.2	112.12	8.743	
20,500.0	10,568.0	19,669.2	9,649.4	89.0	90.8	-20.30	10,347.5	-512.5	980.4	868.0	112.36	8.725	
20,525.0	10,568.2	19,694.2	9,649.6	89.2	91.0	-20.30	10,372.5	-512.5	980.4	867.8	112.60	8.707	
20,550.0	10,568.5	19,719.2	9,649.8	89.4	91.2	-20.30	10,397.5	-512.5	980.5	867.6	112.84	8.689	
20,575.0	10,568.8	19,744.2	9,650.0	89.7	91.4	-20.29	10,422.5	-512.6	980.5	867.5	113.08	8.671	
20,600.0	10,569.0	19,769.2	9,650.2	89.9	91.6	-20.29	10,447.5	-512.6	980.6	867.3	113.32	8.654	
20,625.0	10,569.3	19,794.2	9,650.4	90.1	91.8	-20.29	10,472.5	-512.6	980.7	867.1	113.56	8.636	
20,650.0	10,569.5	19,819.2	9,650.6	90.3	92.0	-20.29	10,497.5	-512.7	980.7	866.9	113.79	8.618	
20,675.0	10,569.8	19,844.2	9,650.8	90.5	92.2	-20.29	10,522.5	-512.7	980.8	866.7	114.03	8.601	
20,693.8	10,570.0	19,863.0	9,651.0	90.7	92.4	-20.29	10,541.3	-512.7	980.8	866.6	114.21	8.588	
20,694.2	10,570.0	19,863.4	9,651.0	90.7	92.4	-20.29	10,541.7	-512.7	980.8	866.6	114.20	8.588	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	106.33	-58.7	200.4	208.8				
25.0	25.0	25.9	25.9	0.5	0.1	106.33	-58.7	200.4	208.8				
50.0	50.0	50.9	50.9	0.5	0.3	106.33	-58.7	200.4	208.8	207.5	1.28	163.426	
75.0	75.0	75.9	75.9	0.5	0.4	106.33	-58.7	200.4	208.8	207.4	1.37	152.128	
100.0	100.0	100.9	100.9	0.5	0.5	106.33	-58.7	200.4	208.8	207.3	1.49	140.137	
125.0	125.0	125.9	125.9	0.6	0.6	106.33	-58.7	200.4	208.8	207.1	1.74	120.266	
150.0	150.0	150.9	150.9	0.8	0.8	106.33	-58.7	200.4	208.8	206.8	1.98	105.331	
175.0	175.0	175.9	175.9	0.9	0.9	106.33	-58.7	200.4	208.8	206.6	2.23	93.695	
200.0	200.0	200.9	200.9	1.0	1.0	106.33	-58.7	200.4	208.8	206.3	2.47	84.427	
225.0	225.0	225.9	225.9	1.1	1.1	106.33	-58.7	200.4	208.8	206.2	2.63	79.295	
250.0	250.0	250.9	250.9	1.2	1.2	106.33	-58.7	200.4	208.8	206.0	2.79	74.751	
275.0	275.0	275.9	275.9	1.3	1.3	106.33	-58.7	200.4	208.8	205.9	2.95	70.700	
300.0	300.0	300.9	300.9	1.4	1.4	106.33	-58.7	200.4	208.8	205.7	3.11	67.078	
325.0	325.0	325.9	325.9	1.4	1.4	106.33	-58.7	200.4	208.8	205.6	3.24	64.420	
350.0	350.0	350.9	350.9	1.5	1.5	106.33	-58.7	200.4	208.8	205.5	3.37	61.965	
375.0	375.0	375.9	375.9	1.6	1.6	106.33	-58.7	200.4	208.8	205.3	3.50	59.690	
400.0	400.0	400.9	400.9	1.6	1.6	106.33	-58.7	200.4	208.8	205.2	3.63	57.582	
425.0	425.0	425.9	425.9	1.7	1.7	106.33	-58.7	200.4	208.8	205.1	3.74	55.879	
450.0	450.0	450.9	450.9	1.8	1.8	106.33	-58.7	200.4	208.8	205.0	3.85	54.275	
475.0	475.0	475.9	475.9	1.8	1.8	106.33	-58.7	200.4	208.8	204.9	3.96	52.760	
500.0	500.0	500.9	500.9	1.9	1.9	106.33	-58.7	200.4	208.8	204.8	4.07	51.330	
525.0	525.0	525.9	525.9	1.9	1.9	106.33	-58.7	200.4	208.8	204.7	4.17	50.116	
550.0	550.0	550.9	550.9	2.0	2.0	106.33	-58.7	200.4	208.8	204.6	4.27	48.958	
575.0	575.0	575.9	575.9	2.1	2.1	106.33	-58.7	200.4	208.8	204.5	4.36	47.853	
600.0	600.0	600.9	600.9	2.1	2.1	106.33	-58.7	200.4	208.8	204.4	4.46	46.797	
625.0	625.0	625.9	625.9	2.2	2.2	106.33	-58.7	200.4	208.8	204.3	4.55	45.874	
650.0	650.0	650.9	650.9	2.2	2.2	106.33	-58.7	200.4	208.8	204.2	4.64	44.986	
675.0	675.0	675.9	675.9	2.3	2.3	106.33	-58.7	200.4	208.8	204.1	4.73	44.132	
700.0	700.0	700.9	700.9	2.3	2.3	106.33	-58.7	200.4	208.8	204.0	4.82	43.311	
725.0	725.0	725.9	725.9	2.4	2.4	106.33	-58.7	200.4	208.8	203.9	4.90	42.576	
750.0	750.0	750.9	750.9	2.4	2.4	106.33	-58.7	200.4	208.8	203.8	4.99	41.866	
775.0	775.0	775.9	775.9	2.5	2.5	106.33	-58.7	200.4	208.8	203.7	5.07	41.180	
800.0	800.0	800.9	800.9	2.5	2.5	106.33	-58.7	200.4	208.8	203.7	5.15	40.516	
825.0	825.0	825.9	825.9	2.6	2.6	106.33	-58.7	200.4	208.8	203.6	5.23	39.913	
850.0	850.0	850.9	850.9	2.6	2.6	106.33	-58.7	200.4	208.8	203.5	5.31	39.328	
875.0	875.0	875.9	875.9	2.6	2.6	106.33	-58.7	200.4	208.8	203.4	5.39	38.760	
900.0	900.0	900.9	900.9	2.7	2.7	106.33	-58.7	200.4	208.8	203.4	5.47	38.209	
925.0	925.0	925.9	925.9	2.7	2.7	106.33	-58.7	200.4	208.8	203.3	5.54	37.703	
950.0	950.0	950.9	950.9	2.8	2.8	106.33	-58.7	200.4	208.8	203.2	5.61	37.209	
975.0	975.0	975.9	975.9	2.8	2.8	106.33	-58.7	200.4	208.8	203.1	5.69	36.729	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	106.33	-58.7	200.4	208.8	203.1	5.76	36.261	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	106.33	-58.7	200.4	208.8	203.0	5.83	35.827	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	106.33	-58.7	200.4	208.8	202.9	5.90	35.404	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	106.33	-58.7	200.4	208.8	202.9	5.97	34.990	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	106.33	-58.7	200.4	208.8	202.8	6.04	34.587	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	106.33	-58.7	200.4	208.8	202.7	6.10	34.210	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	106.33	-58.7	200.4	208.8	202.6	6.17	33.841	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	106.33	-58.7	200.4	208.8	202.6	6.24	33.480	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	106.33	-58.7	200.4	208.8	202.5	6.30	33.126	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	106.33	-58.7	200.4	208.8	202.5	6.37	32.795	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	106.33	-58.7	200.4	208.8	202.4	6.43	32.469	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	106.33	-58.7	200.4	208.8	202.3	6.50	32.150	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	106.33	-58.7	200.4	208.8	202.3	6.56	31.838	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	106.33	-58.7	200.4	208.8	202.2	6.62	31.543	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	106.33	-58.7	200.4	208.8	202.1	6.68	31.253	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	106.33	-58.7	200.4	208.8	202.1	6.74	30.969	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	106.33	-58.7	200.4	208.8	202.0	6.80	30.689	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	106.33	-58.7	200.4	208.8	202.0	6.86	30.425	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	106.33	-58.7	200.4	208.8	201.9	6.92	30.164	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	106.33	-58.7	200.4	208.8	201.8	6.98	29.909	
1,500.0	1,500.0	1,501.0	1,501.0	3.7	3.7	106.33	-58.7	200.4	208.8	201.8	7.04	29.652	
1,525.0	1,525.0	1,527.6	1,527.6	3.7	3.7	106.35	-58.7	200.3	208.7	201.6	7.13	29.264	
1,550.0	1,550.0	1,554.3	1,554.3	3.8	3.8	106.40	-58.8	199.9	208.4	201.2	7.22	28.869	
1,575.0	1,575.0	1,580.9	1,580.9	3.8	3.8	106.49	-59.0	199.3	207.9	200.6	7.30	28.466	
1,600.0	1,600.0	1,607.5	1,607.5	3.8	3.8	106.62	-59.2	198.5	207.2	199.8	7.39	28.021	
1,625.0	1,625.0	1,634.2	1,634.1	3.9	3.9	106.78	-59.5	197.4	206.3	198.8	7.51	27.481	
1,650.0	1,650.0	1,660.8	1,660.7	3.9	3.9	106.98	-59.9	196.0	205.2	197.6	7.62	26.932	
1,675.0	1,675.0	1,687.3	1,687.2	3.9	4.0	107.22	-60.3	194.5	203.9	196.2	7.73	26.376	
1,700.0	1,700.0	1,713.8	1,713.6	4.0	4.1	107.50	-60.8	192.7	202.4	194.6	7.84	25.809	
1,725.0	1,725.0	1,740.3	1,740.1	4.0	4.2	107.82	-61.3	190.7	200.8	192.8	7.96	25.234	
1,750.0	1,750.0	1,766.8	1,766.4	4.1	4.2	108.19	-61.9	188.4	198.9	190.9	8.07	24.653	
1,775.0	1,775.0	1,793.2	1,792.7	4.1	4.3	108.60	-62.6	185.9	196.9	188.7	8.18	24.069	
1,800.0	1,800.0	1,819.5	1,818.9	4.1	4.4	109.06	-63.3	183.2	194.7	186.4	8.29	23.472	
1,825.0	1,825.0	1,845.8	1,845.0	4.2	4.5	109.57	-64.1	180.3	192.3	183.9	8.41	22.874	
1,850.0	1,850.0	1,872.1	1,871.0	4.2	4.6	110.14	-64.9	177.1	189.7	181.2	8.52	22.274	
1,875.0	1,875.0	1,898.3	1,897.0	4.2	4.7	110.76	-65.9	173.7	187.0	178.3	8.63	21.669	
1,900.0	1,900.0	1,924.4	1,922.8	4.3	4.8	111.45	-66.8	170.1	184.1	175.3	8.74	21.058	
1,925.0	1,925.0	1,950.4	1,948.6	4.3	4.9	112.20	-67.8	166.3	181.0	172.2	8.85	20.448	
1,950.0	1,950.0	1,976.4	1,974.2	4.3	5.0	113.02	-68.9	162.2	177.8	168.8	8.96	19.840	
1,975.0	1,975.0	2,002.3	1,999.7	4.4	5.1	113.92	-70.1	158.0	174.5	165.4	9.07	19.233	
2,000.0	2,000.0	2,028.1	2,025.1	4.4	5.2	114.90	-71.3	153.5	171.0	161.8	9.18	18.624	
2,025.0	2,025.0	2,053.8	2,050.4	4.4	5.3	170.59	-72.5	148.9	167.5	158.2	9.30	18.000	
2,050.0	2,050.0	2,079.5	2,075.6	4.5	5.4	171.78	-73.8	144.0	164.1	154.7	9.43	17.400	
2,075.0	2,075.0	2,105.1	2,100.6	4.5	5.5	173.09	-75.2	138.9	160.8	151.3	9.56	16.824	
2,100.0	2,100.0	2,130.7	2,125.6	4.6	5.6	174.51	-76.6	133.6	157.7	148.0	9.69	16.270	
2,125.0	2,125.0	2,156.1	2,150.4	4.6	5.7	176.04	-78.1	128.1	154.7	144.9	9.83	15.735	
2,150.0	2,149.9	2,181.5	2,175.1	4.7	5.8	177.69	-79.6	122.5	151.9	142.0	9.97	15.237	
2,175.0	2,174.9	2,206.9	2,199.7	4.7	5.9	179.46	-81.2	116.6	149.3	139.2	10.11	14.776	
2,200.0	2,199.8	2,232.1	2,224.2	4.8	6.0	-178.65	-82.8	110.5	146.9	136.7	10.24	14.350	
2,225.0	2,224.8	2,257.3	2,248.5	4.8	6.1	-176.65	-84.5	104.3	144.8	134.4	10.37	13.964	
2,250.0	2,249.7	2,282.4	2,272.8	4.9	6.2	-174.54	-86.2	97.8	143.0	132.5	10.50	13.619	
2,275.0	2,274.6	2,307.5	2,296.8	5.0	6.3	-172.32	-88.0	91.2	141.4	130.8	10.61	13.321	
2,300.0	2,299.5	2,332.4	2,320.8	5.0	6.4	-170.01	-89.8	84.4	140.1	129.4	10.72	13.074	
2,325.0	2,324.3	2,357.3	2,344.6	5.1	6.5	-167.61	-91.7	77.4	139.2	128.4	10.82	12.865	
2,350.0	2,349.1	2,382.0	2,368.1	5.2	6.6	-165.16	-93.6	70.3	138.7	127.8	10.92	12.704	
2,366.5	2,365.5	2,398.0	2,383.4	5.2	6.7	-163.55	-94.8	65.6	138.6	127.6	10.97	12.630 CC	
2,375.0	2,373.9	2,406.2	2,391.2	5.2	6.7	-162.73	-95.4	63.3	138.6	127.6	11.01	12.595 ES	
2,400.1	2,398.8	2,430.6	2,414.5	5.3	6.8	-160.32	-97.3	56.2	139.0	127.9	11.11	12.517	
2,425.0	2,423.5	2,454.8	2,437.5	5.4	6.9	-157.97	-99.2	49.2	139.8	128.6	11.19	12.494	
2,450.0	2,448.2	2,479.2	2,460.9	5.4	6.9	-155.61	-101.1	42.0	140.8	129.5	11.26	12.497	
2,475.0	2,473.0	2,504.7	2,485.2	5.5	7.0	-153.22	-103.0	34.6	141.9	130.5	11.34	12.514	
2,500.0	2,497.7	2,530.2	2,509.5	5.6	7.1	-150.89	-104.6	27.2	143.0	131.6	11.45	12.489	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,525.0	2,522.5	2,555.8	2,533.9	5.6	7.2	-148.61	-106.0	19.6	144.2	132.6	11.57	12.460	
2,550.0	2,547.2	2,581.4	2,558.4	5.7	7.3	-146.39	-107.1	12.1	145.3	133.6	11.69	12.430	
2,575.0	2,572.0	2,607.1	2,582.9	5.7	7.4	-144.23	-108.1	4.4	146.4	134.6	11.80	12.407	
2,600.0	2,596.8	2,632.8	2,607.4	5.8	7.5	-142.10	-108.8	-3.2	147.6	135.7	11.90	12.404	
2,625.0	2,621.5	2,658.6	2,632.0	5.9	7.6	-140.02	-109.3	-10.9	148.6	136.7	11.99	12.396 SF	
2,650.0	2,646.3	2,683.4	2,655.6	6.0	7.7	-138.06	-109.6	-18.4	149.8	137.7	12.08	12.397	
2,675.0	2,671.0	2,707.8	2,678.9	6.0	7.8	-136.15	-109.9	-25.7	151.0	138.9	12.17	12.408	
2,700.0	2,695.8	2,732.2	2,702.2	6.1	7.9	-134.27	-110.2	-33.1	152.5	140.2	12.28	12.416	
2,725.0	2,720.5	2,756.7	2,725.5	6.2	8.0	-132.43	-110.5	-40.4	154.1	141.7	12.39	12.435	
2,750.0	2,745.3	2,781.1	2,748.8	6.2	8.1	-130.63	-110.8	-47.8	155.9	143.4	12.50	12.465	
2,775.0	2,770.1	2,805.5	2,772.1	6.3	8.2	-128.87	-111.1	-55.1	157.8	145.2	12.62	12.506	
2,800.0	2,794.8	2,830.0	2,795.4	6.4	8.3	-127.15	-111.4	-62.4	159.9	147.1	12.73	12.555	
2,825.0	2,819.6	2,854.4	2,818.8	6.5	8.4	-125.48	-111.7	-69.8	162.1	149.3	12.85	12.611	
2,850.0	2,844.3	2,878.9	2,842.1	6.5	8.5	-123.85	-112.0	-77.1	164.5	151.5	12.98	12.675	
2,875.0	2,869.1	2,903.3	2,865.4	6.6	8.6	-122.26	-112.3	-84.5	167.0	153.9	13.10	12.746	
2,900.0	2,893.8	2,927.7	2,888.7	6.7	8.7	-120.73	-112.6	-91.8	169.6	156.4	13.23	12.823	
2,925.0	2,918.6	2,952.2	2,912.0	6.8	8.9	-119.23	-112.9	-99.2	172.3	159.0	13.36	12.904	
2,950.0	2,943.3	2,976.6	2,935.3	6.9	9.0	-117.79	-113.2	-106.5	175.2	161.7	13.49	12.991	
2,975.0	2,968.1	3,001.1	2,958.6	7.0	9.1	-116.39	-113.5	-113.9	178.2	164.6	13.62	13.082	
3,000.0	2,992.9	3,025.5	2,981.9	7.0	9.2	-115.04	-113.8	-121.2	181.3	167.5	13.76	13.176	
3,025.0	3,017.6	3,049.9	3,005.2	7.1	9.3	-113.73	-114.1	-128.5	184.4	170.5	13.90	13.273	
3,050.0	3,042.4	3,074.4	3,028.5	7.2	9.4	-112.46	-114.4	-135.9	187.7	173.7	14.04	13.373	
3,075.0	3,067.1	3,098.8	3,051.8	7.3	9.5	-111.24	-114.6	-143.2	191.1	176.9	14.18	13.475	
3,100.0	3,091.9	3,123.2	3,075.1	7.4	9.6	-110.06	-114.9	-150.6	194.5	180.2	14.32	13.579	
3,125.0	3,116.6	3,147.7	3,098.4	7.5	9.7	-108.92	-115.2	-157.9	198.0	183.6	14.47	13.684	
3,150.0	3,141.4	3,172.1	3,121.8	7.6	9.8	-107.82	-115.5	-165.3	201.6	187.0	14.62	13.791	
3,175.0	3,166.2	3,196.6	3,145.1	7.6	9.9	-106.75	-115.8	-172.6	205.3	190.5	14.77	13.899	
3,200.0	3,190.9	3,221.0	3,168.4	7.7	10.1	-105.73	-116.1	-179.9	209.0	194.1	14.92	14.008	
3,212.6	3,203.4	3,233.4	3,180.2	7.8	10.1	-105.22	-116.3	-183.7	211.0	196.0	14.99	14.073	
3,225.0	3,215.7	3,245.4	3,191.7	7.8	10.2	-104.75	-116.4	-187.3	212.8	197.8	15.07	14.124	
3,250.0	3,240.4	3,269.9	3,215.0	7.9	10.3	-103.80	-116.7	-194.6	216.7	201.4	15.23	14.226	
3,275.0	3,265.2	3,294.3	3,238.3	8.0	10.4	-102.87	-117.0	-202.0	220.6	205.2	15.39	14.327	
3,300.0	3,290.0	3,318.7	3,261.5	8.1	10.5	-101.94	-117.3	-209.3	224.5	208.9	15.56	14.425	
3,325.0	3,314.8	3,343.1	3,284.8	8.2	10.6	-101.01	-117.6	-216.6	228.4	212.7	15.72	14.527	
3,350.0	3,339.7	3,367.4	3,308.0	8.3	10.7	-100.10	-117.9	-223.9	232.4	216.5	15.89	14.627	
3,375.0	3,364.5	3,391.8	3,331.3	8.4	10.8	-99.19	-118.2	-231.3	236.5	220.4	16.06	14.726	
3,400.0	3,389.4	3,416.2	3,354.5	8.4	11.0	-98.29	-118.5	-238.6	240.6	224.3	16.23	14.823	
3,425.0	3,414.2	3,440.5	3,377.7	8.5	11.1	-97.39	-118.8	-245.9	244.7	228.3	16.40	14.919	
3,450.0	3,439.1	3,464.8	3,400.9	8.6	11.2	-96.50	-119.1	-253.2	248.9	232.3	16.58	15.013	
3,475.0	3,464.0	3,489.1	3,424.1	8.7	11.3	-95.63	-119.4	-260.5	253.2	236.4	16.76	15.107	
3,500.0	3,488.9	3,513.4	3,447.2	8.8	11.4	-94.75	-119.7	-267.8	257.5	240.5	16.94	15.199	
3,525.0	3,513.8	3,537.7	3,470.4	8.9	11.5	-93.89	-120.0	-275.1	261.8	244.7	17.12	15.291	
3,550.0	3,538.7	3,561.9	3,493.5	9.0	11.6	-93.03	-120.3	-282.4	266.2	248.9	17.31	15.382	
3,575.0	3,563.6	3,586.2	3,516.6	9.1	11.8	-92.18	-120.6	-289.7	270.7	253.2	17.50	15.472	
3,600.0	3,588.5	3,610.4	3,539.7	9.1	11.9	-91.34	-120.9	-296.9	275.3	257.6	17.69	15.561	
3,625.0	3,613.5	3,634.6	3,562.8	9.2	12.0	-90.50	-121.2	-304.2	279.9	262.0	17.88	15.650	
3,650.0	3,638.4	3,658.8	3,585.9	9.3	12.1	-89.67	-121.5	-311.5	284.5	266.4	18.08	15.739	
3,675.0	3,663.4	3,682.9	3,608.9	9.4	12.2	-88.85	-121.8	-318.7	289.3	271.0	18.28	15.828	
3,700.0	3,688.3	3,707.1	3,631.9	9.5	12.3	-88.04	-122.1	-326.0	294.1	275.6	18.48	15.916	
3,725.0	3,713.3	3,731.2	3,654.9	9.5	12.4	-87.23	-122.4	-333.2	298.9	280.2	18.68	16.004	
3,750.0	3,738.3	3,755.3	3,677.9	9.6	12.6	-86.44	-122.6	-340.5	303.9	285.0	18.88	16.093	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,775.0	3,763.3	3,779.4	3,700.9	9.7	12.7	-85.65	-122.9	-347.7	308.9	289.8	19.09	16.182	
3,800.0	3,788.2	3,803.4	3,723.8	9.8	12.8	-84.87	-123.2	-354.9	314.0	294.7	19.30	16.271	
3,825.0	3,813.2	3,827.5	3,746.8	9.9	12.9	-84.09	-123.5	-362.2	319.1	299.6	19.51	16.360	
3,850.0	3,838.2	3,851.5	3,769.7	9.9	13.0	-83.33	-123.8	-369.4	324.4	304.6	19.72	16.451	
3,875.0	3,863.2	3,875.5	3,792.5	10.0	13.1	-82.57	-124.1	-376.6	329.7	309.7	19.93	16.541	
3,900.0	3,888.2	3,899.4	3,815.4	10.1	13.2	-81.82	-124.4	-383.8	335.1	314.9	20.14	16.633	
3,925.0	3,913.2	3,923.4	3,838.2	10.1	13.4	-81.08	-124.7	-391.0	340.5	320.2	20.36	16.726	
3,950.0	3,938.2	3,947.3	3,861.0	10.2	13.5	-80.35	-125.0	-398.2	346.1	325.5	20.58	16.819	
3,975.0	3,963.2	3,971.2	3,883.8	10.2	13.6	-79.62	-125.3	-405.3	351.7	330.9	20.79	16.914	
4,000.0	3,988.2	3,995.1	3,906.6	10.3	13.7	-78.91	-125.6	-412.5	357.4	336.4	21.01	17.010	
4,012.8	4,001.0	4,007.3	3,918.2	10.3	13.8	-133.14	-125.7	-416.2	360.4	339.3	21.12	17.066	
4,025.0	4,013.2	4,018.9	3,929.3	10.3	13.8	-132.77	-125.9	-419.7	363.2	342.0	21.23	17.113	
4,050.0	4,038.2	4,042.7	3,952.1	10.3	13.9	-132.03	-126.1	-426.9	369.1	347.7	21.45	17.210	
4,075.0	4,063.2	4,066.6	3,974.8	10.4	14.1	-131.31	-126.4	-434.0	375.0	353.4	21.67	17.310	
4,100.0	4,088.2	4,090.4	3,997.6	10.4	14.2	-130.61	-126.7	-441.2	381.0	359.1	21.88	17.411	
4,125.0	4,113.2	4,114.3	4,020.3	10.4	14.3	-129.93	-127.0	-448.3	387.0	364.9	22.10	17.515	
4,150.0	4,138.2	4,138.1	4,043.0	10.4	14.4	-129.27	-127.3	-455.5	393.1	370.8	22.31	17.621	
4,175.0	4,163.2	4,162.0	4,065.8	10.4	14.5	-128.63	-127.6	-462.7	399.3	376.7	22.52	17.727	
4,200.0	4,188.2	4,185.8	4,088.5	10.5	14.6	-128.02	-127.9	-469.8	405.4	382.7	22.73	17.834	
4,225.0	4,213.2	4,209.6	4,111.3	10.5	14.8	-127.41	-128.2	-477.0	411.7	388.7	22.94	17.942	
4,250.0	4,238.2	4,233.5	4,134.0	10.5	14.9	-126.83	-128.5	-484.2	417.9	394.8	23.15	18.051	
4,275.0	4,263.2	4,257.3	4,156.7	10.5	15.0	-126.26	-128.8	-491.3	424.2	400.9	23.36	18.160	
4,300.0	4,288.2	4,281.2	4,179.5	10.5	15.1	-125.71	-129.1	-498.5	430.6	407.0	23.57	18.270	
4,325.0	4,313.2	4,305.0	4,202.2	10.6	15.2	-125.18	-129.3	-505.7	437.0	413.2	23.77	18.380	
4,350.0	4,338.2	4,328.9	4,224.9	10.6	15.3	-124.66	-129.6	-512.8	443.4	419.4	23.98	18.490	
4,375.0	4,363.2	4,352.7	4,247.7	10.6	15.5	-124.15	-129.9	-520.0	449.8	425.6	24.18	18.601	
4,400.0	4,388.2	4,376.5	4,270.4	10.6	15.6	-123.66	-130.2	-527.1	456.3	431.9	24.39	18.711	
4,425.0	4,413.2	4,400.4	4,293.2	10.6	15.7	-123.18	-130.5	-534.3	462.8	438.2	24.59	18.822	
4,450.0	4,438.2	4,424.2	4,315.9	10.7	15.8	-122.72	-130.8	-541.5	469.4	444.6	24.79	18.933	
4,475.0	4,463.2	4,448.1	4,338.6	10.7	15.9	-122.26	-131.1	-548.6	476.0	451.0	24.99	19.044	
4,500.0	4,488.2	4,471.9	4,361.4	10.7	16.0	-121.82	-131.4	-555.8	482.6	457.4	25.19	19.154	
4,525.0	4,513.2	4,495.8	4,384.1	10.7	16.2	-121.39	-131.7	-563.0	489.2	463.8	25.39	19.265	
4,550.0	4,538.2	4,519.6	4,406.9	10.7	16.3	-120.98	-132.0	-570.1	495.8	470.3	25.59	19.375	
4,575.0	4,563.2	4,543.4	4,429.6	10.8	16.4	-120.57	-132.2	-577.3	502.5	476.7	25.79	19.485	
4,600.0	4,588.2	4,567.3	4,452.3	10.8	16.5	-120.17	-132.5	-584.5	509.2	483.2	25.99	19.595	
4,625.0	4,613.2	4,591.1	4,475.1	10.8	16.6	-119.79	-132.8	-591.6	515.9	489.8	26.18	19.705	
4,650.0	4,638.2	4,615.0	4,497.8	10.8	16.7	-119.41	-133.1	-598.8	522.7	496.3	26.38	19.814	
4,675.0	4,663.2	4,638.8	4,520.6	10.8	16.9	-119.04	-133.4	-606.0	529.5	502.9	26.58	19.923	
4,700.0	4,688.2	4,662.7	4,543.3	10.9	17.0	-118.69	-133.7	-613.1	536.3	509.5	26.77	20.032	
4,725.0	4,713.2	4,686.5	4,566.0	10.9	17.1	-118.34	-134.0	-620.3	543.1	516.1	26.96	20.140	
4,750.0	4,738.2	4,710.3	4,588.8	10.9	17.2	-118.00	-134.3	-627.4	549.9	522.7	27.16	20.247	
4,775.0	4,763.2	4,734.2	4,611.5	10.9	17.3	-117.66	-134.6	-634.6	556.7	529.4	27.35	20.354	
4,800.0	4,788.2	4,758.0	4,634.3	10.9	17.5	-117.34	-134.9	-641.8	563.6	536.0	27.54	20.461	
4,825.0	4,813.2	4,781.9	4,657.0	11.0	17.6	-117.02	-135.2	-648.9	570.5	542.7	27.74	20.567	
4,850.0	4,838.2	4,805.7	4,679.7	11.0	17.7	-116.71	-135.4	-656.1	577.4	549.4	27.93	20.673	
4,875.0	4,863.2	4,829.6	4,702.5	11.0	17.8	-116.41	-135.7	-663.3	584.3	556.1	28.12	20.778	
4,900.0	4,888.2	4,853.4	4,725.2	11.0	17.9	-116.11	-136.0	-670.4	591.2	562.9	28.31	20.883	
4,925.0	4,913.2	4,877.2	4,747.9	11.0	18.0	-115.83	-136.3	-677.6	598.1	569.6	28.50	20.987	
4,950.0	4,938.2	4,901.1	4,770.7	11.1	18.2	-115.54	-136.6	-684.8	605.1	576.4	28.69	21.090	
4,975.0	4,963.2	4,924.9	4,793.4	11.1	18.3	-115.27	-136.9	-691.9	612.0	583.2	28.88	21.193	
5,000.0	4,988.2	4,948.8	4,816.2	11.1	18.4	-115.00	-137.2	-699.1	619.0	589.9	29.07	21.295	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,025.0	5,013.2	4,972.6	4,838.9	11.1	18.5	-114.74	-137.5	-706.2	626.0	596.7	29.26	21.397	
5,050.0	5,038.2	4,996.5	4,861.6	11.1	18.6	-114.48	-137.8	-713.4	633.0	603.6	29.45	21.497	
5,075.0	5,063.2	5,020.3	4,884.4	11.2	18.8	-114.23	-138.1	-720.6	640.0	610.4	29.63	21.598	
5,100.0	5,088.2	5,044.1	4,907.1	11.2	18.9	-113.98	-138.4	-727.7	647.0	617.2	29.82	21.697	
5,125.0	5,113.2	5,068.0	4,929.9	11.2	19.0	-113.74	-138.6	-734.9	654.1	624.1	30.01	21.796	
5,150.0	5,138.2	5,091.8	4,952.6	11.2	19.1	-113.50	-138.9	-742.1	661.1	630.9	30.20	21.895	
5,175.0	5,163.2	5,115.7	4,975.3	11.2	19.2	-113.27	-139.2	-749.2	668.2	637.8	30.38	21.992	
5,200.0	5,188.2	5,139.5	4,998.1	11.3	19.3	-113.04	-139.5	-756.4	675.3	644.7	30.57	22.089	
5,225.0	5,213.2	5,163.4	5,020.8	11.3	19.5	-112.82	-139.8	-763.6	682.3	651.6	30.76	22.186	
5,250.0	5,238.2	5,187.2	5,043.6	11.3	19.6	-112.60	-140.1	-770.7	689.4	658.5	30.94	22.281	
5,275.0	5,263.2	5,211.0	5,066.3	11.3	19.7	-112.39	-140.4	-777.9	696.5	665.4	31.13	22.376	
5,300.0	5,288.2	5,234.9	5,089.0	11.3	19.8	-112.18	-140.7	-785.1	703.6	672.3	31.31	22.471	
5,325.0	5,313.2	5,258.7	5,111.8	11.4	19.9	-111.98	-141.0	-792.2	710.7	679.2	31.50	22.564	
5,350.0	5,338.2	5,282.6	5,134.5	11.4	20.1	-111.78	-141.3	-799.4	717.8	686.2	31.68	22.657	
5,375.0	5,363.2	5,306.4	5,157.3	11.4	20.2	-111.58	-141.5	-806.5	725.0	693.1	31.87	22.750	
5,400.0	5,388.2	5,330.3	5,180.0	11.4	20.3	-111.39	-141.8	-813.7	732.1	700.1	32.05	22.841	
5,425.0	5,413.2	5,354.1	5,202.7	11.4	20.4	-111.20	-142.1	-820.9	739.3	707.0	32.24	22.932	
5,450.0	5,438.2	5,377.9	5,225.5	11.4	20.5	-111.01	-142.4	-828.0	746.4	714.0	32.42	23.023	
5,475.0	5,463.2	5,401.8	5,248.2	11.5	20.7	-110.83	-142.7	-835.2	753.6	721.0	32.60	23.112	
5,500.0	5,488.2	5,425.6	5,271.0	11.5	20.8	-110.65	-143.0	-842.4	760.7	727.9	32.79	23.201	
5,525.0	5,513.2	5,449.5	5,293.7	11.5	20.9	-110.47	-143.3	-849.5	767.9	734.9	32.97	23.290	
5,550.0	5,538.2	5,473.3	5,316.4	11.5	21.0	-110.30	-143.6	-856.7	775.1	741.9	33.16	23.377	
5,575.0	5,563.2	5,497.2	5,339.2	11.5	21.1	-110.13	-143.9	-863.9	782.3	748.9	33.34	23.464	
5,600.0	5,588.2	5,521.0	5,361.9	11.6	21.3	-109.97	-144.2	-871.0	789.5	755.9	33.52	23.551	
5,625.0	5,613.2	5,544.8	5,384.6	11.6	21.4	-109.80	-144.5	-878.2	796.7	763.0	33.70	23.636	
5,650.0	5,638.2	5,568.7	5,407.4	11.6	21.5	-109.64	-144.7	-885.4	803.9	770.0	33.89	23.721	
5,675.0	5,663.2	5,592.5	5,430.1	11.6	21.6	-109.48	-145.0	-892.5	811.1	777.0	34.07	23.806	
5,700.0	5,688.2	5,616.4	5,452.9	11.6	21.7	-109.33	-145.3	-899.7	818.3	784.0	34.25	23.889	
5,725.0	5,713.2	5,640.2	5,475.6	11.7	21.9	-109.18	-145.6	-906.8	825.5	791.1	34.44	23.972	
5,750.0	5,738.2	5,664.1	5,498.3	11.7	22.0	-109.03	-145.9	-914.0	832.7	798.1	34.62	24.055	
5,775.0	5,763.2	5,687.9	5,521.1	11.7	22.1	-108.88	-146.2	-921.2	840.0	805.2	34.80	24.137	
5,800.0	5,788.2	5,711.7	5,543.8	11.7	22.2	-108.74	-146.5	-928.3	847.2	812.2	34.98	24.218	
5,825.0	5,813.2	5,735.6	5,566.6	11.7	22.3	-108.59	-146.8	-935.5	854.4	819.3	35.16	24.298	
5,850.0	5,838.2	5,759.4	5,589.3	11.8	22.5	-108.46	-147.1	-942.7	861.7	826.3	35.35	24.378	
5,875.0	5,863.2	5,783.3	5,612.0	11.8	22.6	-108.32	-147.4	-949.8	868.9	833.4	35.53	24.458	
5,900.0	5,888.2	5,807.1	5,634.8	11.8	22.7	-108.18	-147.6	-957.0	876.2	840.5	35.71	24.536	
5,925.0	5,913.2	5,831.0	5,657.5	11.8	22.8	-108.05	-147.9	-964.2	883.4	847.5	35.89	24.614	
5,950.0	5,938.2	5,854.8	5,680.3	11.8	22.9	-107.92	-148.2	-971.3	890.7	854.6	36.07	24.692	
5,975.0	5,963.2	5,878.6	5,703.0	11.9	23.1	-107.79	-148.5	-978.5	898.0	861.7	36.25	24.769	
6,000.0	5,988.2	5,902.5	5,725.7	11.9	23.2	-107.66	-148.8	-985.6	905.2	868.8	36.44	24.845	
6,025.0	6,013.2	5,926.3	5,748.5	11.9	23.3	-107.54	-149.1	-992.8	912.5	875.9	36.62	24.921	
6,050.0	6,038.2	5,950.2	5,771.2	11.9	23.4	-107.42	-149.4	-1,000.0	919.8	883.0	36.80	24.996	
6,075.0	6,063.2	5,974.0	5,794.0	11.9	23.5	-107.30	-149.7	-1,007.1	927.1	890.1	36.98	25.070	
6,100.0	6,088.2	5,997.9	5,816.7	12.0	23.7	-107.18	-150.0	-1,014.3	934.4	897.2	37.16	25.144	
6,125.0	6,113.2	6,021.7	5,839.4	12.0	23.8	-107.06	-150.3	-1,021.5	941.7	904.3	37.34	25.217	
6,150.0	6,138.2	6,045.5	5,862.2	12.0	23.9	-106.95	-150.6	-1,028.6	948.9	911.4	37.52	25.290	
6,175.0	6,163.2	6,069.4	5,884.9	12.0	24.0	-106.83	-150.8	-1,035.8	956.2	918.5	37.70	25.362	
6,200.0	6,188.2	6,093.2	5,907.6	12.0	24.1	-106.72	-151.1	-1,043.0	963.5	925.7	37.88	25.434	
6,225.0	6,213.2	6,117.1	5,930.4	12.1	24.3	-106.61	-151.4	-1,050.1	970.8	932.8	38.06	25.505	
6,250.0	6,238.2	6,140.9	5,953.1	12.1	24.4	-106.50	-151.7	-1,057.3	978.2	939.9	38.25	25.576	
6,275.0	6,263.2	6,164.8	5,975.9	12.1	24.5	-106.40	-152.0	-1,064.5	985.5	947.0	38.43	25.646	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,288.2	6,188.6	5,998.6	12.1	24.6	-106.29	-152.3	-1,071.6	992.8	954.2	38.61	25.715	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.57	-80.0	0.6	80.0				
25.0	25.0	25.0	25.0	0.5	0.1	179.57	-80.0	0.6	80.0				
50.0	50.0	50.0	50.0	0.5	0.3	179.57	-80.0	0.6	80.0	78.7	1.28	62.357	
75.0	75.0	75.0	75.0	0.5	0.4	179.57	-80.0	0.6	80.0	78.6	1.38	58.063	
100.0	100.0	100.0	100.0	0.5	0.5	179.57	-80.0	0.6	80.0	78.5	1.50	53.480	
125.0	125.0	125.0	125.0	0.6	0.6	179.57	-80.0	0.6	80.0	78.3	1.75	45.782	
150.0	150.0	150.0	150.0	0.8	0.8	179.57	-80.0	0.6	80.0	78.0	2.00	40.022	
175.0	175.0	175.0	175.0	0.9	0.9	179.57	-80.0	0.6	80.0	77.8	2.25	35.549	
200.0	200.0	200.0	200.0	1.0	1.0	179.57	-80.0	0.6	80.0	77.5	2.50	31.975	
225.0	225.0	225.0	225.0	1.1	1.1	179.57	-80.0	0.6	80.0	77.3	2.67	29.971	
250.0	250.0	250.0	250.0	1.2	1.2	179.57	-80.0	0.6	80.0	77.2	2.84	28.203	
275.0	275.0	275.0	275.0	1.3	1.3	179.57	-80.0	0.6	80.0	77.0	3.00	26.632	
300.0	300.0	300.0	300.0	1.4	1.4	179.57	-80.0	0.6	80.0	76.8	3.17	25.227	
325.0	325.0	325.0	325.0	1.4	1.4	179.57	-80.0	0.6	80.0	76.7	3.31	24.182	
350.0	350.0	350.0	350.0	1.5	1.5	179.57	-80.0	0.6	80.0	76.6	3.45	23.220	
375.0	375.0	375.0	375.0	1.6	1.6	179.57	-80.0	0.6	80.0	76.4	3.58	22.331	
400.0	400.0	400.0	400.0	1.6	1.6	179.57	-80.0	0.6	80.0	76.3	3.72	21.508	
425.0	425.0	425.0	425.0	1.7	1.7	179.57	-80.0	0.6	80.0	76.2	3.84	20.835	
450.0	450.0	450.0	450.0	1.8	1.8	179.57	-80.0	0.6	80.0	76.0	3.96	20.202	
475.0	475.0	475.0	475.0	1.8	1.8	179.57	-80.0	0.6	80.0	75.9	4.08	19.606	
500.0	500.0	500.0	500.0	1.9	1.9	179.57	-80.0	0.6	80.0	75.8	4.20	19.045	
525.0	525.0	525.0	525.0	1.9	1.9	179.57	-80.0	0.6	80.0	75.7	4.31	18.561	
550.0	550.0	550.0	550.0	2.0	2.0	179.57	-80.0	0.6	80.0	75.6	4.42	18.102	
575.0	575.0	575.0	575.0	2.1	2.1	179.57	-80.0	0.6	80.0	75.5	4.53	17.665	
600.0	600.0	600.0	600.0	2.1	2.1	179.57	-80.0	0.6	80.0	75.4	4.64	17.248	
625.0	625.0	625.0	625.0	2.2	2.2	179.57	-80.0	0.6	80.0	75.3	4.74	16.879	
650.0	650.0	650.0	650.0	2.2	2.2	179.57	-80.0	0.6	80.0	75.2	4.84	16.525	
675.0	675.0	675.0	675.0	2.3	2.3	179.57	-80.0	0.6	80.0	75.1	4.94	16.185	
700.0	700.0	700.0	700.0	2.3	2.3	179.57	-80.0	0.6	80.0	75.0	5.04	15.859	
725.0	725.0	725.0	725.0	2.4	2.4	179.57	-80.0	0.6	80.0	74.9	5.14	15.564	
750.0	750.0	750.0	750.0	2.4	2.4	179.57	-80.0	0.6	80.0	74.8	5.24	15.279	
775.0	775.0	775.0	775.0	2.5	2.5	179.57	-80.0	0.6	80.0	74.7	5.33	15.005	
800.0	800.0	800.0	800.0	2.5	2.5	179.57	-80.0	0.6	80.0	74.6	5.43	14.740	
825.0	825.0	825.0	825.0	2.6	2.6	179.57	-80.0	0.6	80.0	74.5	5.52	14.497	
850.0	850.0	850.0	850.0	2.6	2.6	179.57	-80.0	0.6	80.0	74.4	5.61	14.261	
875.0	875.0	875.0	875.0	2.6	2.6	179.57	-80.0	0.6	80.0	74.3	5.70	14.034	
900.0	900.0	900.0	900.0	2.7	2.7	179.57	-80.0	0.6	80.0	74.2	5.79	13.813	
925.0	925.0	925.0	925.0	2.7	2.7	179.57	-80.0	0.6	80.0	74.1	5.88	13.607	
950.0	950.0	950.0	950.0	2.8	2.8	179.57	-80.0	0.6	80.0	74.0	5.97	13.408	
975.0	975.0	975.0	975.0	2.8	2.8	179.57	-80.0	0.6	80.0	73.9	6.05	13.215	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	179.57	-80.0	0.6	80.0	73.9	6.14	13.026	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	179.57	-80.0	0.6	80.0	73.8	6.23	12.850	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	179.57	-80.0	0.6	80.0	73.7	6.31	12.678	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	179.57	-80.0	0.6	80.0	73.6	6.39	12.511	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	179.57	-80.0	0.6	80.0	73.5	6.48	12.348	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	179.57	-80.0	0.6	80.0	73.4	6.56	12.194	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	179.57	-80.0	0.6	80.0	73.4	6.64	12.044	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	179.57	-80.0	0.6	80.0	73.3	6.72	11.898	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	179.57	-80.0	0.6	80.0	73.2	6.81	11.755	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	179.57	-80.0	0.6	80.0	73.1	6.89	11.619	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	179.57	-80.0	0.6	80.0	73.0	6.97	11.486	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	179.57	-80.0	0.6	80.0	73.0	7.04	11.356	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	179.57	-80.0	0.6	80.0	72.9	7.12	11.230	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	179.57	-80.0	0.6	80.0	72.8	7.20	11.108	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	179.57	-80.0	0.6	80.0	72.7	7.28	10.990	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	179.57	-80.0	0.6	80.0	72.6	7.36	10.874	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	179.57	-80.0	0.6	80.0	72.6	7.44	10.760	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	179.57	-80.0	0.6	80.0	72.5	7.51	10.651	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	179.57	-80.0	0.6	80.0	72.4	7.59	10.545	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	179.57	-80.0	0.6	80.0	72.3	7.66	10.440	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	179.57	-80.0	0.6	80.0	72.3	7.74	10.337	
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	179.57	-80.0	0.6	80.0	72.2	7.81	10.239	
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	179.57	-80.0	0.6	80.0	72.1	7.89	10.142	
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	179.57	-80.0	0.6	80.0	72.0	7.96	10.047	
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	179.57	-80.0	0.6	80.0	72.0	8.04	9.954	
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	179.57	-80.0	0.6	80.0	71.9	8.11	9.864	
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	179.57	-80.0	0.6	80.0	71.8	8.18	9.775	
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	179.57	-80.0	0.6	80.0	71.7	8.26	9.689	
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	179.57	-80.0	0.6	80.0	71.7	8.33	9.603	
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	179.57	-80.0	0.6	80.0	71.6	8.40	9.521	
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	179.57	-80.0	0.6	80.0	71.5	8.48	9.440	
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	179.57	-80.0	0.6	80.0	71.5	8.55	9.360	
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	179.57	-80.0	0.6	80.0	71.4	8.62	9.282	
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	179.57	-80.0	0.6	80.0	71.3	8.69	9.206	
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	179.57	-80.0	0.6	80.0	71.2	8.76	9.131	
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	179.57	-80.0	0.6	80.0	71.2	8.83	9.057	
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	179.57	-80.0	0.6	80.0	71.1	8.90	8.985	
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	179.57	-80.0	0.6	80.0	71.0	8.97	8.915	
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	179.57	-80.0	0.6	80.0	71.0	9.04	8.846	
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	179.57	-80.0	0.6	80.0	70.9	9.11	8.777	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	179.57	-80.0	0.6	80.0	70.8	9.18	8.710 CC	
2,025.0	2,025.0	2,025.0	2,025.0	4.4	4.5	-125.89	-80.0	0.6	80.1	70.8	9.27	8.636 ES	
2,050.0	2,050.0	2,050.0	2,050.0	4.5	4.5	-126.08	-80.0	0.6	80.3	70.9	9.36	8.577	
2,075.0	2,075.0	2,075.0	2,075.0	4.5	4.6	-126.39	-80.0	0.6	80.6	71.1	9.44	8.533	
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-126.82	-80.0	0.6	81.0	71.5	9.53	8.502	
2,125.0	2,125.0	2,125.0	2,125.0	4.6	4.7	-127.36	-80.0	0.6	81.6	72.0	9.62	8.485	
2,150.0	2,149.9	2,149.9	2,149.9	4.7	4.7	-128.01	-80.0	0.6	82.4	72.7	9.71	8.481	
2,175.0	2,174.9	2,174.9	2,174.9	4.7	4.7	-128.76	-80.0	0.6	83.2	73.4	9.80	8.492	
2,200.0	2,199.8	2,199.8	2,199.8	4.8	4.8	-129.61	-80.0	0.6	84.3	74.4	9.89	8.518	
2,225.0	2,224.8	2,224.8	2,224.8	4.8	4.8	-130.55	-80.0	0.6	85.5	75.5	9.99	8.559	
2,250.0	2,249.7	2,249.7	2,249.7	4.9	4.8	-131.57	-80.0	0.6	86.8	76.8	10.08	8.615	
2,275.0	2,274.6	2,274.6	2,274.6	5.0	4.9	-132.65	-80.0	0.6	88.4	78.2	10.17	8.687	
2,300.0	2,299.5	2,299.5	2,299.5	5.0	4.9	-133.79	-80.0	0.6	90.1	79.8	10.27	8.774	
2,325.0	2,324.3	2,324.3	2,324.3	5.1	5.0	-134.99	-80.0	0.6	92.0	81.6	10.37	8.876	
2,350.0	2,349.1	2,349.1	2,349.1	5.2	5.0	-136.22	-80.0	0.6	94.1	83.6	10.46	8.994	
2,375.0	2,373.9	2,373.9	2,373.9	5.2	5.0	-137.48	-80.0	0.6	96.4	85.9	10.56	9.128	
2,400.1	2,398.8	2,398.8	2,398.8	5.3	5.1	-138.76	-80.0	0.6	98.9	88.3	10.66	9.278	
2,425.0	2,423.5	2,423.5	2,423.5	5.4	5.1	-140.05	-80.0	0.6	101.6	90.8	10.75	9.447	
2,450.0	2,448.2	2,448.2	2,448.2	5.4	5.1	-141.27	-80.0	0.6	104.3	93.5	10.84	9.617	
2,475.0	2,473.0	2,473.0	2,473.0	5.5	5.2	-142.43	-80.0	0.6	107.0	96.1	10.93	9.789	
2,500.0	2,497.7	2,497.7	2,497.7	5.6	5.2	-143.54	-80.0	0.6	109.8	98.8	11.03	9.961	
2,525.0	2,522.5	2,522.3	2,522.3	5.6	5.3	-144.62	-80.0	0.7	112.7	101.6	11.12	10.132	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,546.8	2,546.8	5.7	5.3	-145.75	-80.0	1.0	115.6	104.4	11.22	10.308	
2,575.0	2,572.0	2,571.3	2,571.3	5.7	5.3	-146.92	-79.9	1.5	118.6	107.3	11.31	10.489	
2,600.0	2,596.8	2,595.7	2,595.6	5.8	5.4	-148.12	-79.8	2.2	121.8	110.4	11.41	10.676	
2,625.0	2,621.5	2,620.0	2,620.0	5.9	5.4	-149.36	-79.7	3.1	125.0	113.5	11.51	10.866	
2,650.0	2,646.3	2,644.3	2,644.2	6.0	5.4	-150.61	-79.5	4.2	128.4	116.8	11.61	11.062	
2,675.0	2,671.0	2,668.5	2,668.4	6.0	5.5	-151.89	-79.4	5.5	131.9	120.2	11.71	11.265	
2,700.0	2,695.8	2,692.7	2,692.5	6.1	5.5	-153.18	-79.2	7.0	135.5	123.7	11.81	11.475	
2,725.0	2,720.5	2,716.7	2,716.5	6.2	5.5	-154.47	-79.0	8.7	139.3	127.4	11.92	11.690	
2,750.0	2,745.3	2,740.8	2,740.5	6.2	5.6	-155.77	-78.7	10.6	143.2	131.2	12.03	11.911	
2,775.0	2,770.1	2,764.7	2,764.3	6.3	5.6	-157.07	-78.5	12.7	147.3	135.2	12.14	12.141	
2,800.0	2,794.8	2,788.6	2,788.1	6.4	5.6	-158.37	-78.2	15.0	151.6	139.4	12.25	12.379	
2,825.0	2,819.6	2,812.3	2,811.7	6.5	5.7	-159.65	-77.9	17.5	156.0	143.7	12.36	12.623	
2,850.0	2,844.3	2,836.0	2,835.2	6.5	5.7	-160.93	-77.6	20.1	160.6	148.1	12.48	12.874	
2,875.0	2,869.1	2,859.6	2,858.7	6.6	5.8	-162.19	-77.2	23.0	165.4	152.8	12.59	13.133	
2,900.0	2,893.8	2,883.1	2,882.0	6.7	5.8	-163.44	-76.8	26.0	170.4	157.7	12.71	13.402	
2,925.0	2,918.6	2,906.5	2,905.2	6.8	5.9	-164.66	-76.4	29.2	175.5	162.7	12.83	13.676	
2,950.0	2,943.3	2,929.9	2,928.3	6.9	5.9	-165.87	-76.0	32.5	180.8	167.9	12.96	13.957	
2,975.0	2,968.1	2,953.1	2,951.2	7.0	6.0	-167.05	-75.6	36.1	186.4	173.3	13.08	14.247	
3,000.0	2,992.9	2,976.2	2,974.0	7.0	6.1	-168.22	-75.1	39.8	192.1	178.9	13.21	14.545	
3,025.0	3,017.6	3,000.0	2,997.5	7.1	6.1	-169.39	-74.6	43.8	198.0	184.7	13.34	14.844	
3,050.0	3,042.4	3,022.2	3,019.3	7.2	6.2	-170.46	-74.1	47.7	204.1	190.7	13.46	15.161	
3,075.0	3,067.1	3,045.0	3,041.7	7.3	6.3	-171.54	-73.6	51.9	210.4	196.8	13.59	15.480	
3,100.0	3,091.9	3,067.7	3,064.0	7.4	6.4	-172.60	-73.0	56.2	217.0	203.2	13.72	15.807	
3,125.0	3,116.6	3,090.3	3,086.1	7.5	6.4	-173.63	-72.5	60.7	223.7	209.8	13.86	16.140	
3,150.0	3,141.4	3,113.4	3,108.8	7.6	6.5	-174.65	-71.9	65.5	230.5	216.6	13.99	16.476	
3,175.0	3,166.2	3,137.1	3,131.9	7.6	6.6	-175.65	-71.3	70.4	237.5	223.4	14.13	16.808	
3,200.0	3,190.9	3,160.8	3,155.1	7.7	6.6	-176.58	-70.6	75.3	244.5	230.3	14.27	17.137	
3,212.6	3,203.4	3,172.8	3,166.8	7.8	6.7	-177.04	-70.3	77.7	248.1	233.8	14.33	17.314	
3,225.0	3,215.7	3,184.5	3,178.3	7.8	6.7	-177.47	-70.0	80.1	251.6	237.2	14.40	17.471	
3,250.0	3,240.4	3,208.2	3,201.5	7.9	6.8	-178.31	-69.4	85.0	258.7	244.1	14.55	17.779	
3,275.0	3,265.2	3,232.0	3,224.7	8.0	6.9	-179.11	-68.8	89.9	265.6	251.0	14.70	18.074	
3,300.0	3,290.0	3,255.7	3,248.0	8.1	6.9	-179.86	-68.2	94.8	272.6	257.7	14.85	18.359	
3,325.0	3,314.8	3,279.5	3,271.2	8.2	7.0	179.42	-67.6	99.8	279.4	264.4	14.99	18.641	
3,350.0	3,339.7	3,303.4	3,294.5	8.3	7.1	178.74	-67.0	104.7	286.2	271.1	15.14	18.912	
3,375.0	3,364.5	3,327.2	3,317.9	8.4	7.1	178.09	-66.3	109.6	293.0	277.7	15.28	19.170	
3,400.0	3,389.4	3,351.1	3,341.3	8.4	7.2	177.47	-65.7	114.5	299.6	284.2	15.43	19.418	
3,425.0	3,414.2	3,375.0	3,364.7	8.5	7.3	176.87	-65.1	119.5	306.2	290.6	15.58	19.657	
3,450.0	3,439.1	3,399.0	3,388.1	8.6	7.4	176.30	-64.5	124.4	312.7	297.0	15.72	19.887	
3,475.0	3,464.0	3,423.0	3,411.5	8.7	7.4	175.75	-63.9	129.3	319.2	303.3	15.87	20.105	
3,500.0	3,488.9	3,447.0	3,435.0	8.8	7.5	175.22	-63.2	134.3	325.5	309.5	16.03	20.312	
3,525.0	3,513.8	3,471.0	3,458.5	8.9	7.6	174.71	-62.6	139.2	331.8	315.6	16.17	20.513	
3,550.0	3,538.7	3,495.0	3,482.0	9.0	7.7	174.22	-62.0	144.2	338.0	321.7	16.32	20.705	
3,575.0	3,563.6	3,519.1	3,505.6	9.1	7.8	173.74	-61.4	149.2	344.1	327.6	16.47	20.886	
3,600.0	3,588.5	3,543.2	3,529.2	9.1	7.9	173.28	-60.7	154.1	350.1	333.5	16.63	21.058	
3,625.0	3,613.5	3,567.3	3,552.8	9.2	7.9	172.83	-60.1	159.1	356.1	339.3	16.78	21.224	
3,650.0	3,638.4	3,591.5	3,576.4	9.3	8.0	172.40	-59.5	164.1	361.9	345.0	16.93	21.383	
3,675.0	3,663.4	3,615.7	3,600.0	9.4	8.1	171.97	-58.9	169.1	367.7	350.6	17.08	21.531	
3,700.0	3,688.3	3,639.9	3,623.7	9.5	8.2	171.56	-58.2	174.1	373.4	356.2	17.23	21.671	
3,725.0	3,713.3	3,664.1	3,647.4	9.5	8.3	171.16	-57.6	179.1	379.0	361.6	17.38	21.808	
3,750.0	3,738.3	3,688.3	3,671.1	9.6	8.4	170.77	-57.0	184.1	384.5	367.0	17.53	21.937	
3,775.0	3,763.3	3,712.6	3,694.8	9.7	8.5	170.39	-56.4	189.1	390.0	372.3	17.68	22.058	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,736.9	3,718.6	9.8	8.5	170.01	-55.7	194.1	395.3	377.5	17.83	22.170	
3,825.0	3,813.2	3,761.2	3,742.4	9.9	8.6	169.64	-55.1	199.1	400.6	382.6	17.98	22.282	
3,850.0	3,838.2	3,785.5	3,766.2	9.9	8.7	169.28	-54.5	204.1	405.8	387.6	18.12	22.388	
3,875.0	3,863.2	3,809.9	3,790.0	10.0	8.8	168.93	-53.8	209.1	410.8	392.6	18.27	22.486	
3,900.0	3,888.2	3,834.2	3,813.8	10.1	8.9	168.58	-53.2	214.2	415.8	397.4	18.42	22.576	
3,925.0	3,913.2	3,858.6	3,837.6	10.1	9.0	168.24	-52.6	219.2	420.7	402.2	18.55	22.675	
3,950.0	3,938.2	3,883.0	3,861.5	10.2	9.1	167.90	-52.0	224.2	425.5	406.9	18.69	22.768	
3,975.0	3,963.2	3,907.4	3,885.4	10.2	9.2	167.57	-51.3	229.3	430.3	411.4	18.83	22.854	
4,000.0	3,988.2	3,931.9	3,909.3	10.3	9.3	167.24	-50.7	234.3	434.9	415.9	18.96	22.932	
4,012.8	4,001.0	3,944.4	3,921.6	10.3	9.3	112.48	-50.4	236.9	437.2	418.2	19.01	22.994	
4,025.0	4,013.2	3,956.3	3,933.2	10.3	9.4	112.31	-50.1	239.4	439.5	420.4	19.07	23.049	
4,050.0	4,038.2	3,980.8	3,957.1	10.3	9.5	111.98	-49.4	244.4	444.0	424.8	19.17	23.159	
4,075.0	4,063.2	4,005.2	3,981.1	10.4	9.6	111.66	-48.8	249.4	448.6	429.3	19.28	23.267	
4,100.0	4,088.2	4,029.7	4,005.0	10.4	9.7	111.35	-48.2	254.5	453.2	433.8	19.39	23.373	
4,125.0	4,113.2	4,054.1	4,028.9	10.4	9.8	111.04	-47.5	259.5	457.8	438.3	19.49	23.481	
4,150.0	4,138.2	4,078.6	4,052.8	10.4	9.9	110.74	-46.9	264.6	462.4	442.8	19.60	23.589	
4,175.0	4,163.2	4,103.0	4,076.7	10.4	10.0	110.44	-46.3	269.6	467.0	447.3	19.71	23.695	
4,200.0	4,188.2	4,127.5	4,100.7	10.5	10.1	110.15	-45.6	274.7	471.6	451.8	19.82	23.798	
4,225.0	4,213.2	4,151.9	4,124.6	10.5	10.2	109.86	-45.0	279.7	476.3	456.3	19.93	23.900	
4,250.0	4,238.2	4,176.4	4,148.5	10.5	10.3	109.58	-44.4	284.8	480.9	460.9	20.04	24.000	
4,275.0	4,263.2	4,200.8	4,172.4	10.5	10.4	109.31	-43.7	289.8	485.6	465.4	20.15	24.099	
4,300.0	4,288.2	4,225.3	4,196.3	10.5	10.5	109.04	-43.1	294.8	490.3	470.0	20.26	24.195	
4,325.0	4,313.2	4,249.8	4,220.3	10.6	10.6	108.77	-42.5	299.9	495.0	474.6	20.38	24.290	
4,350.0	4,338.2	4,274.2	4,244.2	10.6	10.7	108.52	-41.8	304.9	499.7	479.2	20.49	24.384	
4,375.0	4,363.2	4,298.7	4,268.1	10.6	10.8	108.26	-41.2	310.0	504.4	483.8	20.61	24.476	
4,400.0	4,388.2	4,323.1	4,292.0	10.6	10.9	108.01	-40.6	315.0	509.1	488.4	20.72	24.566	
4,425.0	4,413.2	4,347.6	4,315.9	10.6	11.0	107.77	-39.9	320.1	513.8	493.0	20.84	24.654	
4,450.0	4,438.2	4,372.0	4,339.9	10.7	11.1	107.52	-39.3	325.1	518.6	497.6	20.96	24.741	
4,475.0	4,463.2	4,396.5	4,363.8	10.7	11.2	107.29	-38.7	330.2	523.3	502.2	21.08	24.827	
4,500.0	4,488.2	4,420.9	4,387.7	10.7	11.3	107.05	-38.0	335.2	528.1	506.9	21.20	24.910	
4,525.0	4,513.2	4,445.4	4,411.6	10.7	11.4	106.83	-37.4	340.3	532.8	511.5	21.32	24.992	
4,550.0	4,538.2	4,469.8	4,435.5	10.7	11.5	106.60	-36.8	345.3	537.6	516.1	21.44	25.073	
4,575.0	4,563.2	4,494.3	4,459.4	10.8	11.6	106.38	-36.1	350.3	542.4	520.8	21.56	25.153	
4,600.0	4,588.2	4,518.7	4,483.4	10.8	11.7	106.17	-35.5	355.4	547.2	525.5	21.69	25.231	
4,625.0	4,613.2	4,543.2	4,507.3	10.8	11.8	105.95	-34.9	360.4	551.9	530.1	21.81	25.307	
4,650.0	4,638.2	4,567.7	4,531.2	10.8	11.9	105.74	-34.2	365.5	556.7	534.8	21.93	25.382	
4,675.0	4,663.2	4,592.1	4,555.1	10.8	12.0	105.54	-33.6	370.5	561.6	539.5	22.06	25.456	
4,700.0	4,688.2	4,616.6	4,579.0	10.9	12.1	105.34	-33.0	375.6	566.4	544.2	22.19	25.529	
4,725.0	4,713.2	4,641.0	4,603.0	10.9	12.2	105.14	-32.3	380.6	571.2	548.9	22.31	25.600	
4,750.0	4,738.2	4,665.5	4,626.9	10.9	12.3	104.94	-31.7	385.7	576.0	553.6	22.44	25.670	
4,775.0	4,763.2	4,689.9	4,650.8	10.9	12.4	104.75	-31.1	390.7	580.8	558.3	22.57	25.738	
4,800.0	4,788.2	4,714.4	4,674.7	10.9	12.5	104.56	-30.5	395.7	585.7	563.0	22.70	25.806	
4,825.0	4,813.2	4,738.8	4,698.6	11.0	12.6	104.37	-29.8	400.8	590.5	567.7	22.83	25.872	
4,850.0	4,838.2	4,763.3	4,722.6	11.0	12.7	104.19	-29.2	405.8	595.4	572.4	22.96	25.937	
4,875.0	4,863.2	4,787.7	4,746.5	11.0	12.8	104.01	-28.6	410.9	600.2	577.2	23.09	26.000	
4,900.0	4,888.2	4,812.2	4,770.4	11.0	12.9	103.83	-27.9	415.9	605.1	581.9	23.22	26.063	
4,925.0	4,913.2	4,836.6	4,794.3	11.0	13.0	103.66	-27.3	421.0	610.0	586.6	23.35	26.124	
4,950.0	4,938.2	4,861.1	4,818.2	11.1	13.1	103.49	-26.7	426.0	614.9	591.4	23.48	26.185	
4,975.0	4,963.2	4,885.6	4,842.2	11.1	13.3	103.32	-26.0	431.1	619.7	596.1	23.61	26.244	
5,000.0	4,988.2	4,910.0	4,866.1	11.1	13.4	103.15	-25.4	436.1	624.6	600.9	23.75	26.302	
5,025.0	5,013.2	4,934.5	4,890.0	11.1	13.5	102.99	-24.8	441.1	629.5	605.6	23.88	26.359	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	4,958.9	4,913.9	11.1	13.6	102.83	-24.1	446.2	634.4	610.4	24.02	26.415	
5,075.0	5,063.2	4,983.4	4,937.8	11.2	13.7	102.67	-23.5	451.2	639.3	615.2	24.15	26.470	
5,100.0	5,088.2	5,007.8	4,961.8	11.2	13.8	102.51	-22.9	456.3	644.2	619.9	24.29	26.525	
5,125.0	5,113.2	5,032.3	4,985.7	11.2	13.9	102.36	-22.2	461.3	649.1	624.7	24.42	26.578	
5,150.0	5,138.2	5,056.7	5,009.6	11.2	14.0	102.21	-21.6	466.4	654.0	629.5	24.56	26.630	
5,175.0	5,163.2	5,081.2	5,033.5	11.2	14.1	102.06	-21.0	471.4	658.9	634.2	24.70	26.681	
5,200.0	5,188.2	5,105.6	5,057.4	11.3	14.2	101.91	-20.3	476.5	663.9	639.0	24.83	26.732	
5,225.0	5,213.2	5,130.1	5,081.4	11.3	14.3	101.77	-19.7	481.5	668.8	643.8	24.97	26.781	
5,250.0	5,238.2	5,154.5	5,105.3	11.3	14.4	101.62	-19.1	486.5	673.7	648.6	25.11	26.829	
5,275.0	5,263.2	5,179.0	5,129.2	11.3	14.5	101.48	-18.4	491.6	678.7	653.4	25.25	26.877	
5,300.0	5,288.2	5,203.5	5,153.1	11.3	14.6	101.34	-17.8	496.6	683.6	658.2	25.39	26.924	
5,325.0	5,313.2	5,227.9	5,177.0	11.4	14.8	101.21	-17.2	501.7	688.5	663.0	25.53	26.970	
5,350.0	5,338.2	5,252.4	5,201.0	11.4	14.9	101.07	-16.5	506.7	693.5	667.8	25.67	27.015	
5,375.0	5,363.2	5,276.8	5,224.9	11.4	15.0	100.94	-15.9	511.8	698.4	672.6	25.81	27.060	
5,400.0	5,388.2	5,301.3	5,248.8	11.4	15.1	100.81	-15.3	516.8	703.4	677.4	25.95	27.104	
5,425.0	5,413.2	5,325.7	5,272.7	11.4	15.2	100.68	-14.6	521.9	708.3	682.2	26.09	27.147	
5,450.0	5,438.2	5,350.2	5,296.6	11.4	15.3	100.55	-14.0	526.9	713.3	687.1	26.24	27.189	
5,475.0	5,463.2	5,374.6	5,320.5	11.5	15.4	100.42	-13.4	531.9	718.3	691.9	26.38	27.230	
5,500.0	5,488.2	5,399.1	5,344.5	11.5	15.5	100.30	-12.7	537.0	723.2	696.7	26.52	27.271	
5,525.0	5,513.2	5,423.5	5,368.4	11.5	15.6	100.18	-12.1	542.0	728.2	701.5	26.66	27.311	
5,550.0	5,538.2	5,448.0	5,392.3	11.5	15.7	100.06	-11.5	547.1	733.2	706.4	26.81	27.351	
5,575.0	5,563.2	5,472.4	5,416.2	11.5	15.8	99.94	-10.8	552.1	738.2	711.2	26.95	27.389	
5,600.0	5,588.2	5,496.9	5,440.1	11.6	16.0	99.82	-10.2	557.2	743.1	716.0	27.09	27.428	
5,625.0	5,613.2	5,521.3	5,464.1	11.6	16.1	99.70	-9.6	562.2	748.1	720.9	27.24	27.465	
5,650.0	5,638.2	5,545.8	5,488.0	11.6	16.2	99.59	-8.9	567.3	753.1	725.7	27.38	27.502	
5,675.0	5,663.2	5,570.3	5,511.9	11.6	16.3	99.48	-8.3	572.3	758.1	730.6	27.53	27.538	
5,700.0	5,688.2	5,594.7	5,535.8	11.6	16.4	99.37	-7.7	577.3	763.1	735.4	27.67	27.574	
5,725.0	5,713.2	5,619.2	5,559.7	11.7	16.5	99.26	-7.0	582.4	768.1	740.2	27.82	27.608	
5,750.0	5,738.2	5,643.6	5,583.7	11.7	16.6	99.15	-6.4	587.4	773.1	745.1	27.97	27.643	
5,775.0	5,763.2	5,668.1	5,607.6	11.7	16.7	99.04	-5.8	592.5	778.1	749.9	28.11	27.677	
5,800.0	5,788.2	5,692.5	5,631.5	11.7	16.8	98.93	-5.1	597.5	783.1	754.8	28.26	27.710	
5,825.0	5,813.2	5,717.0	5,655.4	11.7	16.9	98.83	-4.5	602.6	788.1	759.7	28.41	27.743	
5,850.0	5,838.2	5,741.4	5,679.3	11.8	17.1	98.73	-3.9	607.6	793.1	764.5	28.55	27.775	
5,875.0	5,863.2	5,765.9	5,703.3	11.8	17.2	98.62	-3.3	612.7	798.1	769.4	28.70	27.807	
5,900.0	5,888.2	5,790.3	5,727.2	11.8	17.3	98.52	-2.6	617.7	803.1	774.2	28.85	27.838	
5,925.0	5,913.2	5,814.8	5,751.1	11.8	17.4	98.42	-2.0	622.7	808.1	779.1	29.00	27.869	
5,950.0	5,938.2	5,839.2	5,775.0	11.8	17.5	98.33	-1.4	627.8	813.1	784.0	29.15	27.899	
5,975.0	5,963.2	5,863.7	5,798.9	11.9	17.6	98.23	-0.7	632.8	818.1	788.8	29.29	27.928	
6,000.0	5,988.2	5,888.2	5,822.9	11.9	17.7	98.13	-0.1	637.9	823.2	793.7	29.44	27.958	
6,025.0	6,013.2	5,912.6	5,846.8	11.9	17.8	98.04	0.5	642.9	828.2	798.6	29.59	27.986	
6,050.0	6,038.2	5,937.1	5,870.7	11.9	17.9	97.95	1.2	648.0	833.2	803.5	29.74	28.015	
6,075.0	6,063.2	5,961.5	5,894.6	11.9	18.1	97.85	1.8	653.0	838.2	808.3	29.89	28.042	
6,100.0	6,088.2	5,986.0	5,918.5	12.0	18.2	97.76	2.4	658.1	843.3	813.2	30.04	28.070	
6,125.0	6,113.2	6,010.4	5,942.5	12.0	18.3	97.67	3.1	663.1	848.3	818.1	30.19	28.097	
6,150.0	6,138.2	6,034.9	5,966.4	12.0	18.4	97.58	3.7	668.1	853.3	823.0	30.34	28.123	
6,175.0	6,163.2	6,059.3	5,990.3	12.0	18.5	97.49	4.3	673.2	858.4	827.9	30.49	28.150	
6,200.0	6,188.2	6,083.8	6,014.2	12.0	18.6	97.41	5.0	678.2	863.4	832.8	30.64	28.175	
6,225.0	6,213.2	6,108.2	6,038.1	12.1	18.7	97.32	5.6	683.3	868.4	837.6	30.79	28.201	
6,250.0	6,238.2	6,132.7	6,062.1	12.1	18.8	97.24	6.2	688.3	873.5	842.5	30.95	28.226	
6,275.0	6,263.2	6,157.1	6,086.0	12.1	18.9	97.15	6.9	693.4	878.5	847.4	31.10	28.250	
6,300.0	6,288.2	6,181.6	6,109.9	12.1	19.1	97.07	7.5	698.4	883.6	852.3	31.25	28.275	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,206.1	6,133.8	12.1	19.2	96.99	8.1	703.5	888.6	857.2	31.40	28.299	
6,350.0	6,338.2	6,230.5	6,157.7	12.2	19.3	96.91	8.8	708.5	893.7	862.1	31.55	28.322	
6,375.0	6,363.2	6,255.0	6,181.6	12.2	19.4	96.83	9.4	713.5	898.7	867.0	31.71	28.345	
6,400.0	6,388.2	6,279.4	6,205.6	12.2	19.5	96.75	10.0	718.6	903.8	871.9	31.86	28.368	
6,425.0	6,413.2	6,303.9	6,229.5	12.2	19.6	96.67	10.7	723.6	908.8	876.8	32.01	28.391	
6,450.0	6,438.2	6,328.3	6,253.4	12.2	19.7	96.59	11.3	728.7	913.9	881.7	32.16	28.417	
6,475.0	6,463.2	6,352.8	6,277.3	12.3	19.8	96.51	11.9	733.7	918.9	886.6	32.31	28.443	
6,500.0	6,488.2	6,380.2	6,304.1	12.3	20.0	96.43	12.6	739.4	924.0	891.5	32.47	28.453	
6,525.0	6,513.2	6,412.2	6,335.5	12.3	20.1	96.33	13.4	745.7	928.8	896.2	32.67	28.434	
6,550.0	6,538.2	6,444.4	6,367.1	12.3	20.2	96.24	14.2	751.9	933.5	900.7	32.87	28.403	
6,575.0	6,563.2	6,476.7	6,398.8	12.3	20.4	96.16	14.9	757.8	938.0	904.9	33.07	28.368	
6,600.0	6,588.2	6,509.1	6,430.7	12.4	20.5	96.08	15.7	763.4	942.3	909.0	33.26	28.328	
6,625.0	6,613.2	6,541.5	6,462.7	12.4	20.7	96.00	16.3	768.8	946.4	912.9	33.45	28.290	
6,650.0	6,638.2	6,574.1	6,494.9	12.4	20.8	95.93	17.0	773.9	950.2	916.6	33.64	28.246	
6,675.0	6,663.2	6,606.7	6,527.1	12.4	21.0	95.86	17.6	778.8	953.9	920.1	33.83	28.197	
6,700.0	6,688.2	6,639.5	6,559.5	12.4	21.1	95.80	18.2	783.4	957.4	923.4	34.01	28.151	
6,725.0	6,713.2	6,672.3	6,592.0	12.5	21.3	95.74	18.7	787.8	960.6	926.4	34.19	28.099	
6,750.0	6,738.2	6,705.1	6,624.7	12.5	21.4	95.68	19.2	791.9	963.7	929.3	34.36	28.043	
6,775.0	6,763.2	6,738.1	6,657.4	12.5	21.5	95.63	19.7	795.7	966.5	932.0	34.53	27.989	
6,800.0	6,788.2	6,771.1	6,690.2	12.5	21.7	95.59	20.1	799.2	969.1	934.4	34.70	27.931	
6,825.0	6,813.2	6,804.2	6,723.1	12.5	21.8	95.54	20.6	802.5	971.6	936.7	34.86	27.868	
6,850.0	6,838.2	6,837.3	6,756.1	12.6	21.9	95.50	20.9	805.4	973.8	938.8	35.02	27.810	
6,875.0	6,863.2	6,870.5	6,789.2	12.6	22.1	95.47	21.3	808.1	975.8	940.6	35.17	27.746	
6,900.0	6,888.2	6,903.7	6,822.3	12.6	22.2	95.44	21.6	810.6	977.6	942.3	35.32	27.678	
6,925.0	6,913.2	6,937.0	6,855.5	12.6	22.3	95.41	21.8	812.7	979.1	943.7	35.45	27.618	
6,950.0	6,938.2	6,970.3	6,888.8	12.6	22.4	95.39	22.1	814.5	980.5	944.9	35.59	27.552	
6,975.0	6,963.2	7,003.6	6,922.1	12.7	22.5	95.37	22.3	816.1	981.7	945.9	35.72	27.481	
7,000.0	6,988.2	7,037.0	6,955.4	12.7	22.6	95.35	22.4	817.4	982.6	946.8	35.83	27.423	
7,025.0	7,013.2	7,070.3	6,988.7	12.7	22.7	95.34	22.5	818.4	983.3	947.4	35.94	27.359	
7,050.0	7,038.2	7,103.7	7,022.1	12.7	22.8	95.33	22.6	819.1	983.9	947.8	36.04	27.296	
7,075.0	7,063.2	7,137.1	7,055.5	12.7	22.9	95.32	22.7	819.5	984.2	948.1	36.08	27.275	
7,100.0	7,088.2	7,170.5	7,088.9	12.8	22.9	95.32	22.7	819.6	984.2	948.1	36.12	27.249	
7,106.2	7,094.4	7,178.9	7,097.3	12.8	22.9	95.32	22.7	819.6	984.2	948.1	36.13	27.242	
7,125.0	7,113.2	7,194.8	7,113.2	12.8	22.9	95.32	22.7	819.6	984.2	948.1	36.14	27.237	
7,150.0	7,138.2	7,219.8	7,138.2	12.8	22.9	95.32	22.7	819.6	984.2	948.1	36.16	27.220	
7,175.0	7,163.2	7,244.8	7,163.2	12.8	22.9	95.32	22.7	819.6	984.2	948.1	36.18	27.201	
7,200.0	7,188.2	7,269.8	7,188.2	12.8	23.0	95.32	22.7	819.6	984.2	948.0	36.21	27.183	
7,225.0	7,213.2	7,294.8	7,213.2	12.9	23.0	95.32	22.7	819.6	984.2	948.0	36.23	27.164	
7,250.0	7,238.2	7,319.8	7,238.2	12.9	23.0	95.32	22.7	819.6	984.2	948.0	36.26	27.145	
7,275.0	7,263.2	7,344.8	7,263.2	12.9	23.0	95.32	22.7	819.6	984.2	948.0	36.28	27.127	
7,300.0	7,288.2	7,369.8	7,288.2	12.9	23.0	95.32	22.7	819.6	984.2	947.9	36.31	27.108	
7,325.0	7,313.2	7,394.8	7,313.2	12.9	23.0	95.32	22.7	819.6	984.2	947.9	36.33	27.090	
7,350.0	7,338.2	7,419.8	7,338.2	13.0	23.0	95.32	22.7	819.6	984.2	947.9	36.36	27.071	
7,375.0	7,363.2	7,444.8	7,363.2	13.0	23.0	95.32	22.7	819.6	984.2	947.9	36.38	27.052	
7,400.0	7,388.2	7,469.8	7,388.2	13.0	23.0	95.32	22.7	819.6	984.2	947.8	36.41	27.034	
7,425.0	7,413.2	7,494.8	7,413.2	13.0	23.0	95.32	22.7	819.6	984.2	947.8	36.43	27.015	
7,450.0	7,438.2	7,519.8	7,438.2	13.0	23.0	95.32	22.7	819.6	984.2	947.8	36.46	26.997	
7,475.0	7,463.2	7,544.8	7,463.2	13.0	23.0	95.32	22.7	819.6	984.2	947.8	36.48	26.978	
7,500.0	7,488.2	7,569.8	7,488.2	13.1	23.1	95.32	22.7	819.6	984.2	947.7	36.51	26.960	
7,525.0	7,513.2	7,594.8	7,513.2	13.1	23.1	95.32	22.7	819.6	984.2	947.7	36.53	26.941	
7,550.0	7,538.2	7,619.8	7,538.2	13.1	23.1	95.32	22.7	819.6	984.2	947.7	36.56	26.923	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,563.2	7,644.8	7,563.2	13.1	23.1	95.32	22.7	819.6	984.2	947.7	36.58	26.904	
7,600.0	7,588.2	7,669.8	7,588.2	13.1	23.1	95.32	22.7	819.6	984.2	947.6	36.61	26.885	
7,625.0	7,613.2	7,694.8	7,613.2	13.2	23.1	95.32	22.7	819.6	984.2	947.6	36.63	26.867	
7,650.0	7,638.2	7,719.8	7,638.2	13.2	23.1	95.32	22.7	819.6	984.2	947.6	36.66	26.848	
7,675.0	7,663.2	7,744.8	7,663.2	13.2	23.1	95.32	22.7	819.6	984.2	947.6	36.68	26.830	
7,700.0	7,688.2	7,769.8	7,688.2	13.2	23.1	95.32	22.7	819.6	984.2	947.5	36.71	26.811	
7,725.0	7,713.2	7,794.8	7,713.2	13.2	23.1	95.32	22.7	819.6	984.2	947.5	36.74	26.793	
7,750.0	7,738.2	7,819.8	7,738.2	13.3	23.1	95.32	22.7	819.6	984.2	947.5	36.76	26.774	
7,775.0	7,763.2	7,844.8	7,763.2	13.3	23.2	95.32	22.7	819.6	984.2	947.5	36.79	26.756	
7,800.0	7,788.2	7,869.8	7,788.2	13.3	23.2	95.32	22.7	819.6	984.2	947.4	36.81	26.738	
7,825.0	7,813.2	7,894.8	7,813.2	13.3	23.2	95.32	22.7	819.6	984.2	947.4	36.84	26.719	
7,850.0	7,838.2	7,919.8	7,838.2	13.3	23.2	95.32	22.7	819.6	984.2	947.4	36.86	26.701	
7,875.0	7,863.2	7,944.8	7,863.2	13.4	23.2	95.32	22.7	819.6	984.2	947.4	36.89	26.682	
7,900.0	7,888.2	7,969.8	7,888.2	13.4	23.2	95.32	22.7	819.6	984.2	947.3	36.91	26.664	
7,925.0	7,913.2	7,994.8	7,913.2	13.4	23.2	95.32	22.7	819.6	984.2	947.3	36.94	26.645	
7,950.0	7,938.2	8,019.8	7,938.2	13.4	23.2	95.32	22.7	819.6	984.2	947.3	36.96	26.627	
7,975.0	7,963.2	8,044.8	7,963.2	13.4	23.2	95.32	22.7	819.6	984.2	947.3	36.99	26.608	
8,000.0	7,988.2	8,069.8	7,988.2	13.5	23.2	95.32	22.7	819.6	984.2	947.2	37.02	26.590	
8,025.0	8,013.2	8,094.8	8,013.2	13.5	23.3	95.32	22.7	819.6	984.2	947.2	37.04	26.571	
8,050.0	8,038.2	8,119.8	8,038.2	13.5	23.3	95.32	22.7	819.6	984.2	947.2	37.07	26.553	
8,075.0	8,063.2	8,144.8	8,063.2	13.5	23.3	95.32	22.7	819.6	984.2	947.2	37.09	26.535	
8,100.0	8,088.2	8,169.8	8,088.2	13.5	23.3	95.32	22.7	819.6	984.2	947.1	37.12	26.516	
8,125.0	8,113.2	8,194.8	8,113.2	13.6	23.3	95.32	22.7	819.6	984.2	947.1	37.14	26.498	
8,150.0	8,138.2	8,219.8	8,138.2	13.6	23.3	95.32	22.7	819.6	984.2	947.1	37.17	26.479	
8,175.0	8,163.2	8,244.8	8,163.2	13.6	23.3	95.32	22.7	819.6	984.2	947.0	37.20	26.461	
8,200.0	8,188.2	8,269.8	8,188.2	13.6	23.3	95.32	22.7	819.6	984.2	947.0	37.22	26.443	
8,225.0	8,213.2	8,294.8	8,213.2	13.6	23.3	95.32	22.7	819.6	984.2	947.0	37.25	26.424	
8,250.0	8,238.2	8,319.8	8,238.2	13.7	23.3	95.32	22.7	819.6	984.2	947.0	37.27	26.406	
8,275.0	8,263.2	8,344.8	8,263.2	13.7	23.3	95.32	22.7	819.6	984.2	946.9	37.30	26.388	
8,300.0	8,288.2	8,369.8	8,288.2	13.7	23.4	95.32	22.7	819.6	984.2	946.9	37.33	26.369	
8,325.0	8,313.2	8,394.8	8,313.2	13.7	23.4	95.32	22.7	819.6	984.2	946.9	37.35	26.351	
8,350.0	8,338.2	8,419.8	8,338.2	13.7	23.4	95.32	22.7	819.6	984.2	946.9	37.38	26.333	
8,375.0	8,363.2	8,444.8	8,363.2	13.8	23.4	95.32	22.7	819.6	984.2	946.8	37.40	26.314	
8,400.0	8,388.2	8,469.8	8,388.2	13.8	23.4	95.32	22.7	819.6	984.2	946.8	37.43	26.296	
8,425.0	8,413.2	8,494.8	8,413.2	13.8	23.4	95.32	22.7	819.6	984.2	946.8	37.46	26.278	
8,450.0	8,438.2	8,519.8	8,438.2	13.8	23.4	95.32	22.7	819.6	984.2	946.8	37.48	26.259	
8,475.0	8,463.2	8,544.8	8,463.2	13.8	23.4	95.32	22.7	819.6	984.2	946.7	37.51	26.241	
8,500.0	8,488.2	8,569.8	8,488.2	13.9	23.4	95.32	22.7	819.6	984.2	946.7	37.53	26.223	
8,525.0	8,513.2	8,594.8	8,513.2	13.9	23.4	95.32	22.7	819.6	984.2	946.7	37.56	26.205	
8,550.0	8,538.2	8,619.8	8,538.2	13.9	23.4	95.32	22.7	819.6	984.2	946.7	37.59	26.186	
8,575.0	8,563.2	8,644.8	8,563.2	13.9	23.5	95.32	22.7	819.6	984.2	946.6	37.61	26.168	
8,600.0	8,588.2	8,669.8	8,588.2	13.9	23.5	95.32	22.7	819.6	984.2	946.6	37.64	26.150	
8,625.0	8,613.2	8,694.8	8,613.2	14.0	23.5	95.32	22.7	819.6	984.2	946.6	37.66	26.132	
8,650.0	8,638.2	8,719.8	8,638.2	14.0	23.5	95.32	22.7	819.6	984.2	946.6	37.69	26.113	
8,675.0	8,663.2	8,744.8	8,663.2	14.0	23.5	95.32	22.7	819.6	984.2	946.5	37.72	26.095	
8,700.0	8,688.2	8,769.8	8,688.2	14.0	23.5	95.32	22.7	819.6	984.2	946.5	37.74	26.077	
8,725.0	8,713.2	8,794.8	8,713.2	14.0	23.5	95.32	22.7	819.6	984.2	946.5	37.77	26.059	
8,750.0	8,738.2	8,819.8	8,738.2	14.1	23.5	95.32	22.7	819.6	984.2	946.4	37.80	26.040	
8,775.0	8,763.2	8,844.8	8,763.2	14.1	23.5	95.32	22.7	819.6	984.2	946.4	37.82	26.022	
8,800.0	8,788.2	8,869.8	8,788.2	14.1	23.5	95.32	22.7	819.6	984.2	946.4	37.85	26.004	
8,825.0	8,813.2	8,894.8	8,813.2	14.1	23.6	95.32	22.7	819.6	984.2	946.4	37.88	25.986	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,838.2	8,919.8	8,838.2	14.1	23.6	95.32	22.7	819.6	984.2	946.3	37.90	25.968	
8,875.0	8,863.2	8,944.8	8,863.2	14.2	23.6	95.32	22.7	819.6	984.2	946.3	37.93	25.950	
8,900.0	8,888.2	8,969.8	8,888.2	14.2	23.6	95.32	22.7	819.6	984.2	946.3	37.96	25.931	
8,925.0	8,913.2	8,994.8	8,913.2	14.2	23.6	95.32	22.7	819.6	984.2	946.3	37.98	25.913	
8,950.0	8,938.2	9,019.8	8,938.2	14.2	23.6	95.32	22.7	819.6	984.2	946.2	38.01	25.895	
8,975.0	8,963.2	9,044.8	8,963.2	14.2	23.6	95.32	22.7	819.6	984.2	946.2	38.04	25.877	
9,000.0	8,988.2	9,069.8	8,988.2	14.3	23.6	95.32	22.7	819.6	984.2	946.2	38.06	25.859	
9,025.0	9,013.2	9,094.8	9,013.2	14.3	23.6	95.32	22.7	819.6	984.2	946.2	38.09	25.841	
9,050.0	9,038.2	9,119.8	9,038.2	14.3	23.6	95.32	22.7	819.6	984.2	946.1	38.12	25.823	
9,075.0	9,063.2	9,144.8	9,063.2	14.3	23.7	95.32	22.7	819.6	984.2	946.1	38.14	25.805	
9,100.0	9,088.2	9,169.8	9,088.2	14.3	23.7	95.32	22.7	819.6	984.2	946.1	38.17	25.787	
9,125.0	9,113.2	9,194.8	9,113.2	14.4	23.7	95.32	22.7	819.6	984.2	946.0	38.20	25.768	
9,150.0	9,138.2	9,219.8	9,138.2	14.4	23.7	95.32	22.7	819.6	984.2	946.0	38.22	25.750	
9,175.0	9,163.2	9,244.8	9,163.2	14.4	23.7	95.32	22.7	819.6	984.2	946.0	38.25	25.732	
9,200.0	9,188.2	9,269.8	9,188.2	14.4	23.7	95.32	22.7	819.6	984.2	946.0	38.28	25.714	
9,225.0	9,213.2	9,294.8	9,213.2	14.4	23.7	95.32	22.7	819.6	984.2	945.9	38.30	25.696	
9,250.0	9,238.2	9,319.8	9,238.2	14.5	23.7	95.32	22.7	819.6	984.2	945.9	38.33	25.678	
9,275.0	9,263.2	9,344.8	9,263.2	14.5	23.7	95.32	22.7	819.6	984.2	945.9	38.36	25.660	
9,300.0	9,288.2	9,369.8	9,288.2	14.5	23.7	95.32	22.7	819.6	984.2	945.9	38.38	25.642	
9,325.0	9,313.2	9,394.8	9,313.2	14.5	23.8	95.32	22.7	819.6	984.2	945.8	38.41	25.624	
9,350.0	9,338.2	9,419.8	9,338.2	14.5	23.8	95.32	22.7	819.6	984.2	945.8	38.44	25.606	
9,375.0	9,363.2	9,444.8	9,363.2	14.6	23.8	95.32	22.7	819.6	984.2	945.8	38.46	25.588	
9,400.0	9,388.2	9,469.8	9,388.2	14.6	23.8	95.32	22.7	819.6	984.2	945.8	38.49	25.570	
9,425.0	9,413.2	9,494.8	9,413.2	14.6	23.8	95.32	22.7	819.6	984.2	945.7	38.52	25.552	
9,450.0	9,438.2	9,519.8	9,438.2	14.6	23.8	95.32	22.7	819.6	984.2	945.7	38.55	25.534	
9,475.0	9,463.2	9,544.8	9,463.2	14.6	23.8	95.32	22.7	819.6	984.2	945.7	38.57	25.516	
9,500.0	9,488.2	9,569.8	9,488.2	14.7	23.8	95.32	22.7	819.6	984.2	945.6	38.60	25.499	
9,525.0	9,513.2	9,594.8	9,513.2	14.7	23.8	95.32	22.7	819.6	984.2	945.6	38.63	25.481	
9,550.0	9,538.2	9,619.8	9,538.2	14.7	23.8	95.32	22.7	819.6	984.2	945.6	38.65	25.463	
9,575.0	9,563.2	9,644.8	9,563.2	14.7	23.9	95.32	22.7	819.6	984.2	945.6	38.68	25.445	
9,600.0	9,588.2	9,669.8	9,588.2	14.7	23.9	95.32	22.7	819.6	984.2	945.5	38.71	25.427	
9,625.0	9,613.2	9,694.8	9,613.2	14.8	23.9	95.32	22.7	819.6	984.2	945.5	38.74	25.409	
9,650.0	9,638.2	9,719.8	9,638.2	14.8	23.9	95.32	22.7	819.6	984.2	945.5	38.76	25.391	
9,675.0	9,663.2	9,744.8	9,663.2	14.8	23.9	95.32	22.7	819.6	984.2	945.5	38.79	25.373	
9,700.0	9,688.2	9,769.8	9,688.2	14.8	23.9	95.32	22.7	819.6	984.2	945.4	38.82	25.355	
9,725.0	9,713.2	9,794.8	9,713.2	14.8	23.9	95.32	22.7	819.6	984.2	945.4	38.85	25.338	
9,750.0	9,738.2	9,819.8	9,738.2	14.9	23.9	95.32	22.7	819.6	984.2	945.4	38.87	25.320	
9,775.0	9,763.2	9,844.8	9,763.2	14.9	23.9	95.32	22.7	819.6	984.2	945.3	38.90	25.302	
9,800.0	9,788.2	9,869.8	9,788.2	14.9	23.9	95.32	22.7	819.6	984.2	945.3	38.93	25.284	
9,825.0	9,813.2	9,894.8	9,813.2	14.9	24.0	95.32	22.7	819.6	984.2	945.3	38.95	25.266	
9,850.0	9,838.2	9,919.8	9,838.2	14.9	24.0	95.32	22.7	819.6	984.2	945.3	38.98	25.249	
9,875.0	9,863.2	9,944.8	9,863.2	15.0	24.0	95.32	22.7	819.6	984.2	945.2	39.01	25.231	
9,900.0	9,888.2	9,969.8	9,888.2	15.0	24.0	95.32	22.7	819.6	984.2	945.2	39.04	25.213	
9,925.0	9,913.2	9,994.8	9,913.2	15.0	24.0	95.32	22.7	819.6	984.2	945.2	39.06	25.195	
9,950.0	9,938.2	10,019.8	9,938.2	15.0	24.0	95.32	22.7	819.6	984.2	945.2	39.09	25.178	
9,975.0	9,963.2	10,044.8	9,963.2	15.0	24.0	95.32	22.7	819.6	984.2	945.1	39.12	25.160	
10,000.0	9,988.2	10,069.8	9,988.2	15.1	24.0	95.32	22.7	819.6	984.2	945.1	39.15	25.142	
10,000.4	9,988.6	10,070.2	9,988.6	15.1	24.0	95.32	22.7	819.6	984.2	945.1	39.15	25.142	
10,025.0	10,013.2	10,094.8	10,013.2	15.1	24.0	95.42	22.7	819.6	984.3	945.1	39.16	25.133	
10,050.0	10,038.1	10,119.7	10,038.1	15.1	24.0	95.51	22.7	819.6	984.5	945.3	39.17	25.135	
10,075.0	10,062.9	10,144.5	10,062.9	15.1	24.1	95.66	22.7	819.6	984.8	945.6	39.17	25.142	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,100.0	10,087.5	10,173.4	10,091.8	15.1	24.1	95.89	23.1	819.6	985.2	946.1	39.15	25.164	
10,125.0	10,111.8	10,205.0	10,123.3	15.1	24.1	96.13	25.5	819.6	985.7	946.5	39.12	25.193	
10,150.0	10,135.8	10,237.0	10,155.0	15.1	24.1	96.35	30.0	819.6	986.1	947.0	39.10	25.220	
10,175.0	10,159.3	10,269.4	10,186.6	15.1	24.1	96.55	36.8	819.6	986.4	947.3	39.08	25.244	
10,200.0	10,182.4	10,302.1	10,218.1	15.1	24.1	96.72	45.7	819.6	986.8	947.7	39.06	25.266	
10,225.0	10,205.0	10,335.1	10,249.1	15.1	24.1	96.87	56.9	819.6	987.0	948.0	39.04	25.283	
10,250.0	10,227.0	10,368.3	10,279.5	15.1	24.1	97.00	70.4	819.5	987.3	948.3	39.03	25.296	
10,275.0	10,248.3	10,401.8	10,309.1	15.2	24.1	97.10	86.0	819.5	987.5	948.5	39.03	25.304	
10,300.0	10,268.9	10,435.4	10,337.6	15.2	24.1	97.17	103.7	819.5	987.6	948.6	39.03	25.306	
10,325.0	10,288.8	10,469.1	10,365.0	15.2	24.1	97.21	123.5	819.5	987.7	948.7	39.04	25.303	
10,350.0	10,307.8	10,502.9	10,390.9	15.2	24.1	97.23	145.2	819.5	987.7	948.7	39.05	25.293	
10,375.0	10,325.9	10,536.7	10,415.2	15.2	24.1	97.21	168.6	819.4	987.7	948.6	39.07	25.277	
10,400.0	10,343.1	10,570.4	10,437.7	15.2	24.1	97.17	193.7	819.4	987.6	948.5	39.11	25.256	
10,425.0	10,359.4	10,604.0	10,458.3	15.2	24.1	97.10	220.2	819.4	987.5	948.3	39.14	25.228	
10,450.0	10,374.6	10,637.5	10,477.0	15.2	24.1	97.00	248.0	819.3	987.3	948.1	39.19	25.193	
10,475.0	10,388.8	10,670.7	10,493.6	15.3	24.2	96.87	276.8	819.3	987.0	947.8	39.24	25.154	
10,500.0	10,401.9	10,703.7	10,508.0	15.3	24.2	96.72	306.5	819.3	986.7	947.4	39.30	25.109	
10,525.0	10,413.8	10,736.4	10,520.2	15.3	24.2	96.54	336.8	819.2	986.4	947.0	39.37	25.058	
10,550.0	10,424.6	10,768.8	10,530.2	15.3	24.2	96.34	367.5	819.2	986.0	946.6	39.44	25.002	
10,575.0	10,434.2	10,800.7	10,538.1	15.3	24.3	96.12	398.5	819.2	985.6	946.1	39.52	24.942	
10,600.0	10,442.5	10,832.3	10,543.8	15.4	24.3	95.88	429.6	819.1	985.2	945.6	39.60	24.877	
10,625.0	10,449.7	10,863.5	10,547.4	15.4	24.3	95.62	460.5	819.1	984.8	945.1	39.70	24.808	
10,650.0	10,455.5	10,894.2	10,548.9	15.4	24.4	95.35	491.2	819.1	984.3	944.5	39.80	24.735	
10,675.0	10,460.1	10,919.7	10,549.2	15.4	24.4	95.14	516.7	819.0	983.9	944.0	39.89	24.666	
10,700.0	10,463.4	10,944.5	10,549.5	15.5	24.4	95.00	541.5	819.0	983.7	943.7	39.99	24.601	
10,725.0	10,465.4	10,969.4	10,549.7	15.5	24.5	94.92	566.4	819.0	983.5	943.4	40.08	24.540	
10,745.4	10,466.0	10,989.8	10,549.9	15.5	24.5	94.89	586.8	818.9	983.5	943.3	40.15	24.494	
10,750.0	10,466.0	10,994.4	10,549.9	15.5	24.5	94.89	591.4	818.9	983.5	943.3	40.17	24.483	
10,775.0	10,466.3	11,019.4	10,550.2	15.6	24.6	94.89	616.4	818.9	983.5	943.2	40.27	24.422	
10,800.0	10,466.6	11,044.4	10,550.4	15.6	24.6	94.89	641.4	818.9	983.5	943.1	40.37	24.360	
10,825.0	10,466.8	11,069.4	10,550.7	15.6	24.6	94.89	666.4	818.8	983.5	943.0	40.48	24.293	
10,850.0	10,467.1	11,094.4	10,550.9	15.7	24.7	94.89	691.4	818.8	983.5	942.9	40.60	24.226	
10,875.0	10,467.4	11,119.4	10,551.2	15.7	24.7	94.89	716.4	818.8	983.5	942.8	40.71	24.156	
10,900.0	10,467.6	11,144.4	10,551.4	15.8	24.8	94.89	741.4	818.8	983.5	942.6	40.83	24.085	
10,925.0	10,467.9	11,169.4	10,551.7	15.9	24.8	94.89	766.4	818.7	983.5	942.5	40.96	24.010	
10,950.0	10,468.1	11,194.4	10,551.9	15.9	24.9	94.89	791.4	818.7	983.5	942.4	41.09	23.935	
10,975.0	10,468.4	11,219.4	10,552.2	16.0	25.0	94.89	816.4	818.7	983.5	942.2	41.22	23.857	
11,000.0	10,468.7	11,244.4	10,552.4	16.0	25.0	94.89	841.4	818.6	983.5	942.1	41.36	23.779	
11,025.0	10,468.9	11,269.4	10,552.7	16.1	25.1	94.88	866.4	818.6	983.5	942.0	41.50	23.697	
11,050.0	10,469.2	11,294.4	10,552.9	16.2	25.1	94.88	891.4	818.6	983.5	941.8	41.65	23.615	
11,075.0	10,469.4	11,319.4	10,553.1	16.3	25.2	94.88	916.4	818.6	983.5	941.7	41.79	23.531	
11,100.0	10,469.7	11,344.4	10,553.4	16.3	25.3	94.88	941.4	818.5	983.5	941.5	41.95	23.446	
11,125.0	10,470.0	11,369.4	10,553.6	16.4	25.3	94.88	966.4	818.5	983.5	941.4	42.10	23.358	
11,150.0	10,470.2	11,394.4	10,553.9	16.5	25.4	94.88	991.4	818.5	983.5	941.2	42.26	23.270	
11,175.0	10,470.5	11,419.4	10,554.1	16.6	25.5	94.88	1,016.4	818.4	983.5	941.0	42.43	23.180	
11,200.0	10,470.8	11,444.4	10,554.4	16.7	25.6	94.88	1,041.4	818.4	983.5	940.9	42.59	23.090	
11,225.0	10,471.0	11,469.4	10,554.6	16.8	25.6	94.88	1,066.4	818.4	983.5	940.7	42.77	22.997	
11,250.0	10,471.3	11,494.4	10,554.9	16.9	25.7	94.88	1,091.4	818.4	983.5	940.5	42.94	22.904	
11,275.0	10,471.5	11,519.4	10,555.1	17.0	25.8	94.88	1,116.4	818.3	983.5	940.3	43.12	22.810	
11,300.0	10,471.8	11,544.4	10,555.4	17.1	25.9	94.87	1,141.4	818.3	983.5	940.2	43.30	22.715	
11,325.0	10,472.1	11,569.4	10,555.6	17.2	25.9	94.87	1,166.4	818.3	983.5	940.0	43.48	22.618	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,350.0	10,472.3	11,594.4	10,555.9	17.3	26.0	94.87	1,191.4	818.2	983.4	939.8	43.67	22.521	
11,375.0	10,472.6	11,619.4	10,556.1	17.4	26.1	94.87	1,216.4	818.2	983.4	939.6	43.86	22.423	
11,400.0	10,472.8	11,644.4	10,556.3	17.5	26.2	94.87	1,241.4	818.2	983.4	939.4	44.05	22.324	
11,425.0	10,473.1	11,669.4	10,556.6	17.6	26.3	94.87	1,266.4	818.1	983.4	939.2	44.25	22.224	
11,450.0	10,473.4	11,694.4	10,556.8	17.8	26.4	94.87	1,291.4	818.1	983.4	939.0	44.45	22.124	
11,475.0	10,473.6	11,719.4	10,557.1	17.9	26.5	94.87	1,316.4	818.1	983.4	938.8	44.65	22.023	
11,500.0	10,473.9	11,744.4	10,557.3	18.0	26.5	94.87	1,341.4	818.1	983.4	938.6	44.86	21.922	
11,525.0	10,474.1	11,769.4	10,557.6	18.1	26.6	94.87	1,366.4	818.0	983.4	938.4	45.07	21.819	
11,550.0	10,474.4	11,794.4	10,557.8	18.3	26.7	94.87	1,391.4	818.0	983.4	938.2	45.28	21.718	
11,575.0	10,474.7	11,819.4	10,558.1	18.4	26.8	94.86	1,416.4	818.0	983.4	937.9	45.50	21.614	
11,600.0	10,474.9	11,844.4	10,558.3	18.5	26.9	94.86	1,441.4	817.9	983.4	937.7	45.72	21.511	
11,625.0	10,475.2	11,869.4	10,558.6	18.6	27.0	94.86	1,466.4	817.9	983.4	937.5	45.94	21.407	
11,650.0	10,475.5	11,894.4	10,558.8	18.8	27.1	94.86	1,491.4	817.9	983.4	937.3	46.16	21.304	
11,675.0	10,475.7	11,919.4	10,559.1	18.9	27.2	94.86	1,516.4	817.9	983.4	937.0	46.39	21.199	
11,700.0	10,476.0	11,944.4	10,559.3	19.0	27.3	94.86	1,541.4	817.8	983.4	936.8	46.62	21.095	
11,725.0	10,476.2	11,969.4	10,559.5	19.2	27.4	94.86	1,566.4	817.8	983.4	936.6	46.85	20.990	
11,750.0	10,476.5	11,994.4	10,559.8	19.3	27.5	94.86	1,591.4	817.8	983.4	936.3	47.09	20.886	
11,775.0	10,476.8	12,019.4	10,560.0	19.5	27.6	94.86	1,616.4	817.7	983.4	936.1	47.32	20.780	
11,800.0	10,477.0	12,044.4	10,560.3	19.6	27.7	94.86	1,641.4	817.7	983.4	935.9	47.56	20.676	
11,825.0	10,477.3	12,069.4	10,560.5	19.8	27.9	94.86	1,666.4	817.7	983.4	935.6	47.81	20.570	
11,850.0	10,477.5	12,094.4	10,560.8	19.9	28.0	94.86	1,691.4	817.6	983.4	935.4	48.05	20.466	
11,875.0	10,477.8	12,119.4	10,561.0	20.0	28.1	94.85	1,716.4	817.6	983.4	935.1	48.30	20.360	
11,900.0	10,478.1	12,144.4	10,561.3	20.2	28.2	94.85	1,741.4	817.6	983.4	934.9	48.55	20.256	
11,925.0	10,478.3	12,169.4	10,561.5	20.3	28.3	94.85	1,766.4	817.6	983.4	934.6	48.80	20.150	
11,950.0	10,478.6	12,194.4	10,561.8	20.5	28.4	94.85	1,791.4	817.5	983.4	934.4	49.06	20.046	
11,975.0	10,478.9	12,219.4	10,562.0	20.6	28.5	94.85	1,816.4	817.5	983.4	934.1	49.32	19.941	
12,000.0	10,479.1	12,244.4	10,562.3	20.8	28.7	94.85	1,841.4	817.5	983.4	933.8	49.57	19.837	
12,025.0	10,479.4	12,269.4	10,562.5	21.0	28.8	94.85	1,866.4	817.4	983.4	933.6	49.84	19.733	
12,050.0	10,479.6	12,294.4	10,562.7	21.1	28.9	94.85	1,891.3	817.4	983.4	933.3	50.10	19.629	
12,075.0	10,479.9	12,319.4	10,563.0	21.3	29.0	94.85	1,916.3	817.4	983.4	933.0	50.37	19.525	
12,100.0	10,480.2	12,344.4	10,563.2	21.4	29.1	94.85	1,941.3	817.4	983.4	932.8	50.63	19.422	
12,125.0	10,480.4	12,369.4	10,563.5	21.6	29.3	94.85	1,966.3	817.3	983.4	932.5	50.91	19.319	
12,150.0	10,480.7	12,394.4	10,563.7	21.7	29.4	94.84	1,991.3	817.3	983.4	932.2	51.18	19.216	
12,175.0	10,480.9	12,419.4	10,564.0	21.9	29.5	94.84	2,016.3	817.3	983.4	932.0	51.45	19.113	
12,200.0	10,481.2	12,444.4	10,564.2	22.1	29.6	94.84	2,041.3	817.2	983.4	931.7	51.73	19.011	
12,225.0	10,481.5	12,469.4	10,564.5	22.2	29.8	94.84	2,066.3	817.2	983.4	931.4	52.01	18.909	
12,250.0	10,481.7	12,494.4	10,564.7	22.4	29.9	94.84	2,091.3	817.2	983.4	931.1	52.29	18.808	
12,275.0	10,482.0	12,519.4	10,565.0	22.6	30.0	94.84	2,116.3	817.2	983.4	930.8	52.57	18.707	
12,300.0	10,482.3	12,544.4	10,565.2	22.7	30.1	94.84	2,141.3	817.1	983.4	930.6	52.85	18.607	
12,325.0	10,482.5	12,569.4	10,565.5	22.9	30.3	94.84	2,166.3	817.1	983.4	930.3	53.14	18.506	
12,350.0	10,482.8	12,594.4	10,565.7	23.0	30.4	94.84	2,191.3	817.1	983.4	930.0	53.43	18.407	
12,375.0	10,483.0	12,619.4	10,566.0	23.2	30.5	94.84	2,216.3	817.0	983.4	929.7	53.72	18.308	
12,400.0	10,483.3	12,644.4	10,566.2	23.4	30.7	94.84	2,241.3	817.0	983.4	929.4	54.01	18.209	
12,425.0	10,483.6	12,669.4	10,566.4	23.6	30.8	94.84	2,266.3	817.0	983.4	929.1	54.30	18.111	
12,450.0	10,483.8	12,694.4	10,566.7	23.7	30.9	94.83	2,291.3	816.9	983.4	928.8	54.59	18.013	
12,475.0	10,484.1	12,719.4	10,566.9	23.9	31.1	94.83	2,316.3	816.9	983.4	928.5	54.89	17.916	
12,500.0	10,484.3	12,744.4	10,567.2	24.1	31.2	94.83	2,341.3	816.9	983.4	928.2	55.19	17.819	
12,525.0	10,484.6	12,769.4	10,567.4	24.2	31.4	94.83	2,366.3	816.9	983.4	927.9	55.49	17.723	
12,550.0	10,484.9	12,794.4	10,567.7	24.4	31.5	94.83	2,391.3	816.8	983.4	927.6	55.79	17.627	
12,575.0	10,485.1	12,819.4	10,567.9	24.6	31.6	94.83	2,416.3	816.8	983.4	927.3	56.09	17.532	
12,600.0	10,485.4	12,844.4	10,568.2	24.8	31.8	94.83	2,441.3	816.8	983.4	927.0	56.40	17.437	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,625.0	10,485.6	12,869.4	10,568.4	24.9	31.9	94.83	2,466.3	816.7	983.4	926.7	56.70	17.343	
12,650.0	10,485.9	12,894.4	10,568.7	25.1	32.1	94.83	2,491.3	816.7	983.4	926.4	57.01	17.250	
12,675.0	10,486.2	12,919.4	10,568.9	25.3	32.2	94.83	2,516.3	816.7	983.4	926.1	57.32	17.157	
12,700.0	10,486.4	12,944.4	10,569.2	25.5	32.4	94.83	2,541.3	816.7	983.4	925.8	57.63	17.065	
12,725.0	10,486.7	12,969.4	10,569.4	25.6	32.5	94.82	2,566.3	816.6	983.4	925.4	57.94	16.973	
12,750.0	10,487.0	12,994.4	10,569.6	25.8	32.6	94.82	2,591.3	816.6	983.4	925.1	58.25	16.882	
12,775.0	10,487.2	13,019.4	10,569.9	26.0	32.8	94.82	2,616.3	816.6	983.4	924.8	58.57	16.791	
12,800.0	10,487.5	13,044.4	10,570.1	26.2	32.9	94.82	2,641.3	816.5	983.4	924.5	58.88	16.701	
12,825.0	10,487.7	13,069.4	10,570.4	26.3	33.1	94.82	2,666.3	816.5	983.4	924.2	59.20	16.611	
12,850.0	10,488.0	13,094.4	10,570.6	26.5	33.2	94.82	2,691.3	816.5	983.4	923.9	59.52	16.523	
12,875.0	10,488.3	13,119.4	10,570.9	26.7	33.4	94.82	2,716.3	816.5	983.4	923.5	59.84	16.434	
12,900.0	10,488.5	13,144.4	10,571.1	26.9	33.5	94.82	2,741.3	816.4	983.4	923.2	60.16	16.347	
12,925.0	10,488.8	13,169.4	10,571.4	27.1	33.7	94.82	2,766.3	816.4	983.4	922.9	60.48	16.259	
12,950.0	10,489.0	13,194.4	10,571.6	27.3	33.8	94.82	2,791.3	816.4	983.4	922.6	60.80	16.173	
12,975.0	10,489.3	13,219.4	10,571.9	27.4	34.0	94.82	2,816.3	816.3	983.4	922.2	61.13	16.087	
13,000.0	10,489.6	13,244.4	10,572.1	27.6	34.1	94.81	2,841.3	816.3	983.4	921.9	61.45	16.002	
13,025.0	10,489.8	13,269.4	10,572.4	27.8	34.3	94.81	2,866.3	816.3	983.4	921.6	61.78	15.917	
13,050.0	10,490.1	13,294.4	10,572.6	28.0	34.4	94.81	2,891.3	816.2	983.4	921.3	62.11	15.833	
13,075.0	10,490.4	13,319.4	10,572.8	28.2	34.6	94.81	2,916.3	816.2	983.4	920.9	62.44	15.750	
13,100.0	10,490.6	13,344.4	10,573.1	28.4	34.8	94.81	2,941.3	816.2	983.4	920.6	62.77	15.667	
13,125.0	10,490.9	13,369.4	10,573.3	28.5	34.9	94.81	2,966.3	816.2	983.4	920.3	63.10	15.584	
13,150.0	10,491.1	13,394.4	10,573.6	28.7	35.1	94.81	2,991.3	816.1	983.4	919.9	63.43	15.503	
13,175.0	10,491.4	13,419.4	10,573.8	28.9	35.2	94.81	3,016.3	816.1	983.4	919.6	63.76	15.422	
13,200.0	10,491.7	13,444.4	10,574.1	29.1	35.4	94.81	3,041.3	816.1	983.4	919.3	64.10	15.341	
13,225.0	10,491.9	13,469.4	10,574.3	29.3	35.5	94.81	3,066.3	816.0	983.4	918.9	64.44	15.261	
13,250.0	10,492.2	13,494.4	10,574.6	29.5	35.7	94.81	3,091.3	816.0	983.4	918.6	64.77	15.182	
13,275.0	10,492.4	13,519.4	10,574.8	29.7	35.9	94.81	3,116.3	816.0	983.4	918.2	65.11	15.103	
13,300.0	10,492.7	13,544.4	10,575.1	29.8	36.0	94.80	3,141.3	816.0	983.4	917.9	65.45	15.025	
13,325.0	10,493.0	13,569.4	10,575.3	30.0	36.2	94.80	3,166.3	815.9	983.4	917.6	65.79	14.947	
13,350.0	10,493.2	13,594.4	10,575.6	30.2	36.3	94.80	3,191.3	815.9	983.4	917.2	66.13	14.871	
13,375.0	10,493.5	13,619.4	10,575.8	30.4	36.5	94.80	3,216.3	815.9	983.3	916.9	66.47	14.794	
13,400.0	10,493.8	13,644.4	10,576.0	30.6	36.7	94.80	3,241.3	815.8	983.3	916.5	66.81	14.718	
13,425.0	10,494.0	13,669.4	10,576.3	30.8	36.8	94.80	3,266.3	815.8	983.3	916.2	67.16	14.643	
13,450.0	10,494.3	13,694.4	10,576.5	31.0	37.0	94.80	3,291.3	815.8	983.3	915.8	67.50	14.568	
13,475.0	10,494.5	13,719.4	10,576.8	31.2	37.2	94.80	3,316.3	815.8	983.3	915.5	67.84	14.494	
13,500.0	10,494.8	13,744.4	10,577.0	31.4	37.3	94.80	3,341.3	815.7	983.3	915.2	68.19	14.421	
13,525.0	10,495.1	13,769.4	10,577.3	31.5	37.5	94.80	3,366.3	815.7	983.3	914.8	68.54	14.348	
13,550.0	10,495.3	13,794.4	10,577.5	31.7	37.7	94.80	3,391.3	815.7	983.3	914.5	68.88	14.275	
13,575.0	10,495.6	13,819.4	10,577.8	31.9	37.8	94.79	3,416.3	815.6	983.3	914.1	69.23	14.203	
13,600.0	10,495.8	13,844.4	10,578.0	32.1	38.0	94.79	3,441.3	815.6	983.3	913.8	69.58	14.132	
13,625.0	10,496.1	13,869.4	10,578.3	32.3	38.2	94.79	3,466.3	815.6	983.3	913.4	69.93	14.061	
13,650.0	10,496.4	13,894.4	10,578.5	32.5	38.3	94.79	3,491.3	815.5	983.3	913.1	70.28	13.991	
13,675.0	10,496.6	13,919.4	10,578.8	32.7	38.5	94.79	3,516.3	815.5	983.3	912.7	70.63	13.921	
13,700.0	10,496.9	13,944.4	10,579.0	32.9	38.7	94.79	3,541.3	815.5	983.3	912.3	70.99	13.852	
13,725.0	10,497.1	13,969.4	10,579.2	33.1	38.8	94.79	3,566.3	815.5	983.3	912.0	71.34	13.784	
13,750.0	10,497.4	13,994.4	10,579.5	33.3	39.0	94.79	3,591.3	815.4	983.3	911.6	71.69	13.716	
13,775.0	10,497.7	14,019.4	10,579.7	33.5	39.2	94.79	3,616.3	815.4	983.3	911.3	72.05	13.648	
13,800.0	10,497.9	14,044.4	10,580.0	33.7	39.3	94.79	3,641.3	815.4	983.3	910.9	72.40	13.581	
13,825.0	10,498.2	14,069.4	10,580.2	33.9	39.5	94.79	3,666.3	815.3	983.3	910.6	72.76	13.515	
13,850.0	10,498.5	14,094.4	10,580.5	34.1	39.7	94.79	3,691.3	815.3	983.3	910.2	73.12	13.449	
13,875.0	10,498.7	14,119.4	10,580.7	34.2	39.8	94.78	3,716.3	815.3	983.3	909.9	73.47	13.383	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,900.0	10,499.0	14,144.4	10,581.0	34.4	40.0	94.78	3,741.3	815.3	983.3	909.5	73.83	13.318	
13,925.0	10,499.2	14,169.4	10,581.2	34.6	40.2	94.78	3,766.3	815.2	983.3	909.1	74.19	13.254	
13,950.0	10,499.5	14,194.4	10,581.5	34.8	40.4	94.78	3,791.3	815.2	983.3	908.8	74.55	13.190	
13,975.0	10,499.8	14,219.4	10,581.7	35.0	40.5	94.78	3,816.3	815.2	983.3	908.4	74.91	13.127	
14,000.0	10,500.0	14,244.4	10,582.0	35.2	40.7	94.78	3,841.3	815.1	983.3	908.0	75.27	13.064	
14,025.0	10,500.3	14,269.4	10,582.2	35.4	40.9	94.78	3,866.3	815.1	983.3	907.7	75.63	13.001	
14,050.0	10,500.5	14,294.4	10,582.4	35.6	41.1	94.78	3,891.3	815.1	983.3	907.3	75.99	12.939	
14,075.0	10,500.8	14,319.4	10,582.7	35.8	41.2	94.78	3,916.2	815.0	983.3	907.0	76.36	12.878	
14,100.0	10,501.1	14,344.4	10,582.9	36.0	41.4	94.78	3,941.2	815.0	983.3	906.6	76.72	12.817	
14,125.0	10,501.3	14,369.4	10,583.2	36.2	41.6	94.78	3,966.2	815.0	983.3	906.2	77.08	12.756	
14,150.0	10,501.6	14,394.4	10,583.4	36.4	41.8	94.77	3,991.2	815.0	983.3	905.9	77.45	12.696	
14,175.0	10,501.9	14,419.4	10,583.7	36.6	41.9	94.77	4,016.2	814.9	983.3	905.5	77.81	12.637	
14,200.0	10,502.1	14,444.4	10,583.9	36.8	42.1	94.77	4,041.2	814.9	983.3	905.1	78.18	12.578	
14,225.0	10,502.4	14,469.4	10,584.2	37.0	42.3	94.77	4,066.2	814.9	983.3	904.8	78.55	12.519	
14,250.0	10,502.6	14,494.4	10,584.4	37.2	42.5	94.77	4,091.2	814.8	983.3	904.4	78.91	12.461	
14,275.0	10,502.9	14,519.4	10,584.7	37.4	42.6	94.77	4,116.2	814.8	983.3	904.0	79.28	12.403	
14,300.0	10,503.2	14,544.4	10,584.9	37.6	42.8	94.77	4,141.2	814.8	983.3	903.7	79.65	12.346	
14,325.0	10,503.4	14,569.4	10,585.2	37.8	43.0	94.77	4,166.2	814.8	983.3	903.3	80.01	12.289	
14,350.0	10,503.7	14,594.4	10,585.4	38.0	43.2	94.77	4,191.2	814.7	983.3	902.9	80.38	12.233	
14,375.0	10,503.9	14,619.4	10,585.7	38.2	43.4	94.77	4,216.2	814.7	983.3	902.5	80.75	12.177	
14,400.0	10,504.2	14,644.4	10,585.9	38.4	43.5	94.77	4,241.2	814.7	983.3	902.2	81.12	12.121	
14,425.0	10,504.5	14,669.4	10,586.1	38.6	43.7	94.76	4,266.2	814.6	983.3	901.8	81.49	12.066	
14,450.0	10,504.7	14,694.4	10,586.4	38.8	43.9	94.76	4,291.2	814.6	983.3	901.4	81.86	12.011	
14,475.0	10,505.0	14,719.4	10,586.6	39.0	44.1	94.76	4,316.2	814.6	983.3	901.1	82.24	11.957	
14,500.0	10,505.3	14,744.4	10,586.9	39.2	44.3	94.76	4,341.2	814.6	983.3	900.7	82.61	11.903	
14,525.0	10,505.5	14,769.4	10,587.1	39.4	44.4	94.76	4,366.2	814.5	983.3	900.3	82.98	11.850	
14,550.0	10,505.8	14,794.4	10,587.4	39.6	44.6	94.76	4,391.2	814.5	983.3	899.9	83.35	11.797	
14,575.0	10,506.0	14,819.4	10,587.6	39.8	44.8	94.76	4,416.2	814.5	983.3	899.6	83.73	11.744	
14,600.0	10,506.3	14,844.4	10,587.9	40.0	45.0	94.76	4,441.2	814.4	983.3	899.2	84.10	11.692	
14,625.0	10,506.6	14,869.4	10,588.1	40.2	45.2	94.76	4,466.2	814.4	983.3	898.8	84.47	11.640	
14,650.0	10,506.8	14,894.4	10,588.4	40.4	45.3	94.76	4,491.2	814.4	983.3	898.4	84.85	11.589	
14,675.0	10,507.1	14,919.4	10,588.6	40.6	45.5	94.76	4,516.2	814.3	983.3	898.1	85.22	11.538	
14,700.0	10,507.3	14,944.4	10,588.9	40.8	45.7	94.76	4,541.2	814.3	983.3	897.7	85.60	11.487	
14,725.0	10,507.6	14,969.4	10,589.1	41.0	45.9	94.75	4,566.2	814.3	983.3	897.3	85.97	11.437	
14,750.0	10,507.9	14,994.4	10,589.3	41.2	46.1	94.75	4,591.2	814.3	983.3	896.9	86.35	11.387	
14,775.0	10,508.1	15,019.4	10,589.6	41.4	46.3	94.75	4,616.2	814.2	983.3	896.6	86.73	11.338	
14,800.0	10,508.4	15,044.4	10,589.8	41.6	46.4	94.75	4,641.2	814.2	983.3	896.2	87.10	11.288	
14,825.0	10,508.6	15,069.4	10,590.1	41.8	46.6	94.75	4,666.2	814.2	983.3	895.8	87.48	11.240	
14,850.0	10,508.9	15,094.4	10,590.3	42.0	46.8	94.75	4,691.2	814.1	983.3	895.4	87.86	11.191	
14,875.0	10,509.2	15,119.4	10,590.6	42.2	47.0	94.75	4,716.2	814.1	983.3	895.0	88.24	11.143	
14,900.0	10,509.4	15,144.4	10,590.8	42.4	47.2	94.75	4,741.2	814.1	983.3	894.7	88.62	11.096	
14,925.0	10,509.7	15,169.4	10,591.1	42.6	47.4	94.75	4,766.2	814.1	983.3	894.3	89.00	11.048	
14,950.0	10,510.0	15,194.4	10,591.3	42.8	47.5	94.75	4,791.2	814.0	983.3	893.9	89.38	11.002	
14,975.0	10,510.2	15,219.4	10,591.6	43.0	47.7	94.75	4,816.2	814.0	983.3	893.5	89.76	10.955	
15,000.0	10,510.5	15,244.4	10,591.8	43.2	47.9	94.74	4,841.2	814.0	983.3	893.1	90.14	10.909	
15,025.0	10,510.7	15,269.4	10,592.1	43.4	48.1	94.74	4,866.2	813.9	983.3	892.8	90.52	10.863	
15,050.0	10,511.0	15,294.4	10,592.3	43.6	48.3	94.74	4,891.2	813.9	983.3	892.4	90.90	10.817	
15,075.0	10,511.3	15,319.4	10,592.5	43.8	48.5	94.74	4,916.2	813.9	983.3	892.0	91.28	10.772	
15,100.0	10,511.5	15,344.4	10,592.8	44.0	48.7	94.74	4,941.2	813.9	983.3	891.6	91.66	10.727	
15,125.0	10,511.8	15,369.4	10,593.0	44.2	48.8	94.74	4,966.2	813.8	983.3	891.2	92.04	10.683	
15,150.0	10,512.0	15,394.4	10,593.3	44.4	49.0	94.74	4,991.2	813.8	983.3	890.8	92.43	10.638	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,175.0	10,512.3	15,419.4	10,593.5	44.6	49.2	94.74	5,016.2	813.8	983.3	890.5	92.81	10.595	
15,200.0	10,512.6	15,444.4	10,593.8	44.8	49.4	94.74	5,041.2	813.7	983.3	890.1	93.19	10.551	
15,225.0	10,512.8	15,469.4	10,594.0	45.0	49.6	94.74	5,066.2	813.7	983.3	889.7	93.57	10.508	
15,250.0	10,513.1	15,494.4	10,594.3	45.2	49.8	94.74	5,091.2	813.7	983.3	889.3	93.96	10.465	
15,275.0	10,513.4	15,519.4	10,594.5	45.4	50.0	94.74	5,116.2	813.6	983.3	888.9	94.34	10.422	
15,300.0	10,513.6	15,544.4	10,594.8	45.6	50.2	94.73	5,141.2	813.6	983.3	888.5	94.73	10.380	
15,325.0	10,513.9	15,569.4	10,595.0	45.8	50.3	94.73	5,166.2	813.6	983.3	888.1	95.11	10.338	
15,350.0	10,514.1	15,594.4	10,595.3	46.0	50.5	94.73	5,191.2	813.6	983.3	887.8	95.50	10.296	
15,375.0	10,514.4	15,619.4	10,595.5	46.2	50.7	94.73	5,216.2	813.5	983.3	887.4	95.88	10.255	
15,400.0	10,514.7	15,644.4	10,595.7	46.4	50.9	94.73	5,241.2	813.5	983.3	887.0	96.27	10.214	
15,425.0	10,514.9	15,669.4	10,596.0	46.6	51.1	94.73	5,266.2	813.5	983.3	886.6	96.65	10.173	
15,450.0	10,515.2	15,694.4	10,596.2	46.8	51.3	94.73	5,291.2	813.4	983.2	886.2	97.04	10.132	
15,475.0	10,515.4	15,719.4	10,596.5	47.0	51.5	94.73	5,316.2	813.4	983.2	885.8	97.43	10.092	
15,500.0	10,515.7	15,744.4	10,596.7	47.3	51.7	94.73	5,341.2	813.4	983.2	885.4	97.81	10.052	
15,525.0	10,516.0	15,769.4	10,597.0	47.5	51.9	94.73	5,366.2	813.4	983.2	885.0	98.20	10.013	
15,550.0	10,516.2	15,794.4	10,597.2	47.7	52.1	94.73	5,391.2	813.3	983.2	884.7	98.59	9.973	
15,575.0	10,516.5	15,819.4	10,597.5	47.9	52.2	94.72	5,416.2	813.3	983.2	884.3	98.98	9.934	
15,600.0	10,516.7	15,844.4	10,597.7	48.1	52.4	94.72	5,441.2	813.3	983.2	883.9	99.36	9.895	
15,625.0	10,517.0	15,869.4	10,598.0	48.3	52.6	94.72	5,466.2	813.2	983.2	883.5	99.75	9.857	
15,650.0	10,517.3	15,894.4	10,598.2	48.5	52.8	94.72	5,491.2	813.2	983.2	883.1	100.14	9.819	
15,675.0	10,517.5	15,919.4	10,598.5	48.7	53.0	94.72	5,516.2	813.2	983.2	882.7	100.53	9.781	
15,700.0	10,517.8	15,944.4	10,598.7	48.9	53.2	94.72	5,541.2	813.1	983.2	882.3	100.92	9.743	
15,725.0	10,518.1	15,969.4	10,598.9	49.1	53.4	94.72	5,566.2	813.1	983.2	881.9	101.31	9.705	
15,750.0	10,518.3	15,994.4	10,599.2	49.3	53.6	94.72	5,591.2	813.1	983.2	881.5	101.70	9.668	
15,775.0	10,518.6	16,019.4	10,599.4	49.5	53.8	94.72	5,616.2	813.1	983.2	881.1	102.09	9.631	
15,800.0	10,518.8	16,044.4	10,599.7	49.7	54.0	94.72	5,641.2	813.0	983.2	880.8	102.48	9.595	
15,825.0	10,519.1	16,069.4	10,599.9	49.9	54.2	94.72	5,666.2	813.0	983.2	880.4	102.87	9.558	
15,850.0	10,519.4	16,094.4	10,600.2	50.1	54.3	94.71	5,691.2	813.0	983.2	880.0	103.26	9.522	
15,875.0	10,519.6	16,119.4	10,600.4	50.3	54.5	94.71	5,716.2	812.9	983.2	879.6	103.65	9.486	
15,900.0	10,519.9	16,144.4	10,600.7	50.5	54.7	94.71	5,741.2	812.9	983.2	879.2	104.04	9.451	
15,925.0	10,520.1	16,169.4	10,600.9	50.7	54.9	94.71	5,766.2	812.9	983.2	878.8	104.43	9.415	
15,950.0	10,520.4	16,194.4	10,601.2	50.9	55.1	94.71	5,791.2	812.9	983.2	878.4	104.82	9.380	
15,975.0	10,520.7	16,219.4	10,601.4	51.1	55.3	94.71	5,816.2	812.8	983.2	878.0	105.21	9.345	
16,000.0	10,520.9	16,244.4	10,601.7	51.4	55.5	94.71	5,841.2	812.8	983.2	877.6	105.61	9.310	
16,025.0	10,521.2	16,269.4	10,601.9	51.6	55.7	94.71	5,866.2	812.8	983.2	877.2	106.00	9.276	
16,050.0	10,521.5	16,294.4	10,602.1	51.8	55.9	94.71	5,891.2	812.7	983.2	876.8	106.39	9.242	
16,075.0	10,521.7	16,319.4	10,602.4	52.0	56.1	94.71	5,916.2	812.7	983.2	876.4	106.78	9.208	
16,100.0	10,522.0	16,344.4	10,602.6	52.2	56.3	94.71	5,941.1	812.7	983.2	876.0	107.18	9.174	
16,125.0	10,522.2	16,369.4	10,602.9	52.4	56.5	94.71	5,966.1	812.7	983.2	875.6	107.57	9.140	
16,150.0	10,522.5	16,394.4	10,603.1	52.6	56.7	94.70	5,991.1	812.6	983.2	875.3	107.96	9.107	
16,175.0	10,522.8	16,419.4	10,603.4	52.8	56.9	94.70	6,016.1	812.6	983.2	874.9	108.36	9.074	
16,200.0	10,523.0	16,444.4	10,603.6	53.0	57.1	94.70	6,041.1	812.6	983.2	874.5	108.75	9.041	
16,225.0	10,523.3	16,469.4	10,603.9	53.2	57.3	94.70	6,066.1	812.5	983.2	874.1	109.14	9.008	
16,250.0	10,523.5	16,494.4	10,604.1	53.4	57.4	94.70	6,091.1	812.5	983.2	873.7	109.54	8.976	
16,275.0	10,523.8	16,519.4	10,604.4	53.6	57.6	94.70	6,116.1	812.5	983.2	873.3	109.93	8.944	
16,300.0	10,524.1	16,544.4	10,604.6	53.8	57.8	94.70	6,141.1	812.4	983.2	872.9	110.33	8.912	
16,325.0	10,524.3	16,569.4	10,604.9	54.0	58.0	94.70	6,166.1	812.4	983.2	872.5	110.72	8.880	
16,350.0	10,524.6	16,594.4	10,605.1	54.2	58.2	94.70	6,191.1	812.4	983.2	872.1	111.12	8.848	
16,375.0	10,524.9	16,619.4	10,605.4	54.4	58.4	94.70	6,216.1	812.4	983.2	871.7	111.51	8.817	
16,400.0	10,525.1	16,644.4	10,605.6	54.7	58.6	94.70	6,241.1	812.3	983.2	871.3	111.91	8.786	
16,425.0	10,525.4	16,669.4	10,605.8	54.9	58.8	94.69	6,266.1	812.3	983.2	870.9	112.30	8.755	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,450.0	10,525.6	16,694.4	10,606.1	55.1	59.0	94.69	6,291.1	812.3	983.2	870.5	112.70	8.724	
16,475.0	10,525.9	16,719.4	10,606.3	55.3	59.2	94.69	6,316.1	812.2	983.2	870.1	113.09	8.694	
16,500.0	10,526.2	16,744.4	10,606.6	55.5	59.4	94.69	6,341.1	812.2	983.2	869.7	113.49	8.663	
16,525.0	10,526.4	16,769.4	10,606.8	55.7	59.6	94.69	6,366.1	812.2	983.2	869.3	113.89	8.633	
16,550.0	10,526.7	16,794.4	10,607.1	55.9	59.8	94.69	6,391.1	812.2	983.2	868.9	114.28	8.603	
16,575.0	10,526.9	16,819.4	10,607.3	56.1	60.0	94.69	6,416.1	812.1	983.2	868.5	114.68	8.573	
16,600.0	10,527.2	16,844.4	10,607.6	56.3	60.2	94.69	6,441.1	812.1	983.2	868.1	115.08	8.544	
16,625.0	10,527.5	16,869.4	10,607.8	56.5	60.4	94.69	6,466.1	812.1	983.2	867.7	115.47	8.514	
16,650.0	10,527.7	16,894.4	10,608.1	56.7	60.6	94.69	6,491.1	812.0	983.2	867.3	115.87	8.485	
16,675.0	10,528.0	16,919.4	10,608.3	56.9	60.8	94.69	6,516.1	812.0	983.2	866.9	116.27	8.456	
16,700.0	10,528.2	16,944.4	10,608.6	57.1	61.0	94.69	6,541.1	812.0	983.2	866.5	116.67	8.427	
16,725.0	10,528.5	16,969.4	10,608.8	57.3	61.2	94.68	6,566.1	812.0	983.2	866.1	117.06	8.399	
16,750.0	10,528.8	16,994.4	10,609.0	57.6	61.4	94.68	6,591.1	811.9	983.2	865.7	117.46	8.370	
16,775.0	10,529.0	17,019.4	10,609.3	57.8	61.6	94.68	6,616.1	811.9	983.2	865.3	117.86	8.342	
16,800.0	10,529.3	17,044.4	10,609.5	58.0	61.8	94.68	6,641.1	811.9	983.2	864.9	118.26	8.314	
16,825.0	10,529.6	17,069.4	10,609.8	58.2	62.0	94.68	6,666.1	811.8	983.2	864.5	118.66	8.286	
16,850.0	10,529.8	17,094.4	10,610.0	58.4	62.2	94.68	6,691.1	811.8	983.2	864.1	119.06	8.258	
16,875.0	10,530.1	17,119.4	10,610.3	58.6	62.4	94.68	6,716.1	811.8	983.2	863.7	119.45	8.231	
16,900.0	10,530.3	17,144.4	10,610.5	58.8	62.6	94.68	6,741.1	811.7	983.2	863.3	119.85	8.203	
16,925.0	10,530.6	17,169.4	10,610.8	59.0	62.8	94.68	6,766.1	811.7	983.2	862.9	120.25	8.176	
16,950.0	10,530.9	17,194.4	10,611.0	59.2	63.0	94.68	6,791.1	811.7	983.2	862.5	120.65	8.149	
16,975.0	10,531.1	17,219.4	10,611.3	59.4	63.1	94.68	6,816.1	811.7	983.2	862.1	121.05	8.122	
17,000.0	10,531.4	17,244.4	10,611.5	59.6	63.3	94.67	6,841.1	811.6	983.2	861.7	121.45	8.095	
17,025.0	10,531.6	17,269.4	10,611.8	59.8	63.5	94.67	6,866.1	811.6	983.2	861.3	121.85	8.069	
17,050.0	10,531.9	17,294.4	10,612.0	60.0	63.7	94.67	6,891.1	811.6	983.2	860.9	122.25	8.042	
17,075.0	10,532.2	17,319.4	10,612.2	60.3	63.9	94.67	6,916.1	811.5	983.2	860.5	122.65	8.016	
17,100.0	10,532.4	17,344.4	10,612.5	60.5	64.1	94.67	6,941.1	811.5	983.2	860.1	123.05	7.990	
17,125.0	10,532.7	17,369.4	10,612.7	60.7	64.3	94.67	6,966.1	811.5	983.2	859.7	123.45	7.964	
17,150.0	10,533.0	17,394.4	10,613.0	60.9	64.5	94.67	6,991.1	811.5	983.2	859.3	123.85	7.938	
17,175.0	10,533.2	17,419.4	10,613.2	61.1	64.7	94.67	7,016.1	811.4	983.2	858.9	124.25	7.913	
17,200.0	10,533.5	17,444.4	10,613.5	61.3	64.9	94.67	7,041.1	811.4	983.2	858.5	124.65	7.887	
17,225.0	10,533.7	17,469.4	10,613.7	61.5	65.1	94.67	7,066.1	811.4	983.2	858.1	125.05	7.862	
17,250.0	10,534.0	17,494.4	10,614.0	61.7	65.3	94.67	7,091.1	811.3	983.2	857.7	125.45	7.837	
17,275.0	10,534.3	17,519.4	10,614.2	61.9	65.5	94.66	7,116.1	811.3	983.2	857.3	125.85	7.812	
17,300.0	10,534.5	17,544.4	10,614.5	62.1	65.7	94.66	7,141.1	811.3	983.2	856.9	126.25	7.787	
17,325.0	10,534.8	17,569.4	10,614.7	62.3	65.9	94.66	7,166.1	811.3	983.2	856.5	126.66	7.762	
17,350.0	10,535.0	17,594.4	10,615.0	62.5	66.1	94.66	7,191.1	811.2	983.2	856.1	127.06	7.738	
17,375.0	10,535.3	17,619.4	10,615.2	62.8	66.3	94.66	7,216.1	811.2	983.2	855.7	127.46	7.714	
17,400.0	10,535.6	17,644.4	10,615.4	63.0	66.5	94.66	7,241.1	811.2	983.2	855.3	127.86	7.689	
17,425.0	10,535.8	17,669.4	10,615.7	63.2	66.7	94.66	7,266.1	811.1	983.2	854.9	128.26	7.665	
17,450.0	10,536.1	17,694.4	10,615.9	63.4	66.9	94.66	7,291.1	811.1	983.2	854.5	128.66	7.641	
17,475.0	10,536.4	17,719.4	10,616.2	63.6	67.1	94.66	7,316.1	811.1	983.2	854.1	129.07	7.617	
17,500.0	10,536.6	17,744.4	10,616.4	63.8	67.3	94.66	7,341.1	811.0	983.2	853.7	129.47	7.594	
17,525.0	10,536.9	17,769.4	10,616.7	64.0	67.5	94.66	7,366.1	811.0	983.2	853.3	129.87	7.570	
17,550.0	10,537.1	17,794.4	10,616.9	64.2	67.7	94.66	7,391.1	811.0	983.2	852.9	130.27	7.547	
17,575.0	10,537.4	17,819.4	10,617.2	64.4	67.9	94.65	7,416.1	811.0	983.1	852.5	130.68	7.524	
17,600.0	10,537.7	17,844.4	10,617.4	64.6	68.1	94.65	7,441.1	810.9	983.1	852.1	131.08	7.500	
17,625.0	10,537.9	17,869.4	10,617.7	64.8	68.3	94.65	7,466.1	810.9	983.1	851.7	131.48	7.477	
17,650.0	10,538.2	17,894.4	10,617.9	65.0	68.5	94.65	7,491.1	810.9	983.1	851.3	131.88	7.455	
17,675.0	10,538.4	17,919.4	10,618.2	65.3	68.7	94.65	7,516.1	810.8	983.1	850.9	132.29	7.432	
17,700.0	10,538.7	17,944.4	10,618.4	65.5	68.9	94.65	7,541.1	810.8	983.1	850.5	132.69	7.409	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,725.0	10,539.0	17,969.4	10,618.6	65.7	69.1	94.65	7,566.1	810.8	983.1	850.0	133.09	7.387	
17,750.0	10,539.2	17,994.4	10,618.9	65.9	69.3	94.65	7,591.1	810.8	983.1	849.6	133.50	7.365	
17,775.0	10,539.5	18,019.4	10,619.1	66.1	69.5	94.65	7,616.1	810.7	983.1	849.2	133.90	7.342	
17,800.0	10,539.7	18,044.4	10,619.4	66.3	69.7	94.65	7,641.1	810.7	983.1	848.8	134.30	7.320	
17,825.0	10,540.0	18,069.4	10,619.6	66.5	69.9	94.65	7,666.1	810.7	983.1	848.4	134.71	7.298	
17,850.0	10,540.3	18,094.4	10,619.9	66.7	70.1	94.64	7,691.1	810.6	983.1	848.0	135.11	7.276	
17,875.0	10,540.5	18,119.4	10,620.1	66.9	70.3	94.64	7,716.1	810.6	983.1	847.6	135.52	7.255	
17,900.0	10,540.8	18,144.4	10,620.4	67.1	70.5	94.64	7,741.1	810.6	983.1	847.2	135.92	7.233	
17,925.0	10,541.1	18,169.4	10,620.6	67.3	70.7	94.64	7,766.1	810.5	983.1	846.8	136.32	7.212	
17,950.0	10,541.3	18,194.4	10,620.9	67.6	71.0	94.64	7,791.1	810.5	983.1	846.4	136.73	7.190	
17,975.0	10,541.6	18,219.4	10,621.1	67.8	71.2	94.64	7,816.1	810.5	983.1	846.0	137.13	7.169	
18,000.0	10,541.8	18,244.4	10,621.4	68.0	71.4	94.64	7,841.1	810.5	983.1	845.6	137.54	7.148	
18,025.0	10,542.1	18,269.4	10,621.6	68.2	71.6	94.64	7,866.1	810.4	983.1	845.2	137.94	7.127	
18,050.0	10,542.4	18,294.4	10,621.8	68.4	71.8	94.64	7,891.1	810.4	983.1	844.8	138.35	7.106	
18,075.0	10,542.6	18,319.4	10,622.1	68.6	72.0	94.64	7,916.1	810.4	983.1	844.4	138.75	7.086	
18,100.0	10,542.9	18,344.4	10,622.3	68.8	72.2	94.64	7,941.1	810.3	983.1	844.0	139.16	7.065	
18,125.0	10,543.1	18,369.4	10,622.6	69.0	72.4	94.64	7,966.0	810.3	983.1	843.6	139.56	7.044	
18,150.0	10,543.4	18,394.4	10,622.8	69.2	72.6	94.63	7,991.0	810.3	983.1	843.2	139.97	7.024	
18,175.0	10,543.7	18,419.4	10,623.1	69.4	72.8	94.63	8,016.0	810.3	983.1	842.7	140.37	7.004	
18,200.0	10,543.9	18,444.4	10,623.3	69.7	73.0	94.63	8,041.0	810.2	983.1	842.3	140.78	6.984	
18,225.0	10,544.2	18,469.4	10,623.6	69.9	73.2	94.63	8,066.0	810.2	983.1	841.9	141.18	6.963	
18,250.0	10,544.5	18,494.4	10,623.8	70.1	73.4	94.63	8,091.0	810.2	983.1	841.5	141.59	6.944	
18,275.0	10,544.7	18,519.4	10,624.1	70.3	73.6	94.63	8,116.0	810.1	983.1	841.1	141.99	6.924	
18,300.0	10,545.0	18,544.4	10,624.3	70.5	73.8	94.63	8,141.0	810.1	983.1	840.7	142.40	6.904	
18,325.0	10,545.2	18,569.4	10,624.6	70.7	74.0	94.63	8,166.0	810.1	983.1	840.3	142.80	6.884	
18,350.0	10,545.5	18,594.4	10,624.8	70.9	74.2	94.63	8,191.0	810.1	983.1	839.9	143.21	6.865	
18,375.0	10,545.8	18,619.4	10,625.0	71.1	74.4	94.63	8,216.0	810.0	983.1	839.5	143.62	6.845	
18,400.0	10,546.0	18,644.4	10,625.3	71.3	74.6	94.63	8,241.0	810.0	983.1	839.1	144.02	6.826	
18,425.0	10,546.3	18,669.4	10,625.5	71.5	74.8	94.62	8,266.0	810.0	983.1	838.7	144.43	6.807	
18,450.0	10,546.5	18,694.4	10,625.8	71.7	75.0	94.62	8,291.0	809.9	983.1	838.3	144.83	6.788	
18,475.0	10,546.8	18,719.4	10,626.0	72.0	75.2	94.62	8,316.0	809.9	983.1	837.9	145.24	6.769	
18,500.0	10,547.1	18,744.4	10,626.3	72.2	75.4	94.62	8,341.0	809.9	983.1	837.5	145.65	6.750	
18,525.0	10,547.3	18,769.4	10,626.5	72.4	75.6	94.62	8,366.0	809.8	983.1	837.1	146.05	6.731	
18,550.0	10,547.6	18,794.4	10,626.8	72.6	75.8	94.62	8,391.0	809.8	983.1	836.6	146.46	6.712	
18,575.0	10,547.9	18,819.4	10,627.0	72.8	76.0	94.62	8,416.0	809.8	983.1	836.2	146.87	6.694	
18,600.0	10,548.1	18,844.4	10,627.3	73.0	76.2	94.62	8,441.0	809.8	983.1	835.8	147.27	6.675	
18,625.0	10,548.4	18,869.4	10,627.5	73.2	76.4	94.62	8,466.0	809.7	983.1	835.4	147.68	6.657	
18,650.0	10,548.6	18,894.4	10,627.8	73.4	76.6	94.62	8,491.0	809.7	983.1	835.0	148.09	6.639	
18,675.0	10,548.9	18,919.4	10,628.0	73.6	76.8	94.62	8,516.0	809.7	983.1	834.6	148.49	6.620	
18,700.0	10,549.2	18,944.4	10,628.3	73.8	77.0	94.61	8,541.0	809.6	983.1	834.2	148.90	6.602	
18,725.0	10,549.4	18,969.4	10,628.5	74.1	77.2	94.61	8,566.0	809.6	983.1	833.8	149.31	6.584	
18,750.0	10,549.7	18,994.4	10,628.7	74.3	77.4	94.61	8,591.0	809.6	983.1	833.4	149.72	6.566	
18,775.0	10,549.9	19,019.4	10,629.0	74.5	77.6	94.61	8,616.0	809.6	983.1	833.0	150.12	6.549	
18,800.0	10,550.2	19,044.4	10,629.2	74.7	77.8	94.61	8,641.0	809.5	983.1	832.6	150.53	6.531	
18,825.0	10,550.5	19,069.4	10,629.5	74.9	78.0	94.61	8,666.0	809.5	983.1	832.2	150.94	6.513	
18,850.0	10,550.7	19,094.4	10,629.7	75.1	78.3	94.61	8,691.0	809.5	983.1	831.7	151.35	6.496	
18,875.0	10,551.0	19,119.4	10,630.0	75.3	78.5	94.61	8,716.0	809.4	983.1	831.3	151.75	6.478	
18,900.0	10,551.2	19,144.4	10,630.2	75.5	78.7	94.61	8,741.0	809.4	983.1	830.9	152.16	6.461	
18,925.0	10,551.5	19,169.4	10,630.5	75.7	78.9	94.61	8,766.0	809.4	983.1	830.5	152.57	6.444	
18,950.0	10,551.8	19,194.4	10,630.7	76.0	79.1	94.61	8,791.0	809.4	983.1	830.1	152.98	6.426	
18,975.0	10,552.0	19,219.4	10,631.0	76.2	79.3	94.61	8,816.0	809.3	983.1	829.7	153.38	6.409	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,000.0	10,552.3	19,244.4	10,631.2	76.4	79.5	94.60	8,841.0	809.3	983.1	829.3	153.79	6.392	
19,025.0	10,552.6	19,269.4	10,631.5	76.6	79.7	94.60	8,866.0	809.3	983.1	828.9	154.20	6.375	
19,050.0	10,552.8	19,294.4	10,631.7	76.8	79.9	94.60	8,891.0	809.2	983.1	828.5	154.61	6.358	
19,075.0	10,553.1	19,319.4	10,631.9	77.0	80.1	94.60	8,916.0	809.2	983.1	828.1	155.02	6.342	
19,100.0	10,553.3	19,344.4	10,632.2	77.2	80.3	94.60	8,941.0	809.2	983.1	827.7	155.43	6.325	
19,125.0	10,553.6	19,369.4	10,632.4	77.4	80.5	94.60	8,966.0	809.1	983.1	827.2	155.83	6.308	
19,150.0	10,553.9	19,394.4	10,632.7	77.6	80.7	94.60	8,991.0	809.1	983.1	826.8	156.24	6.292	
19,175.0	10,554.1	19,419.4	10,632.9	77.8	80.9	94.60	9,016.0	809.1	983.1	826.4	156.65	6.276	
19,200.0	10,554.4	19,444.4	10,633.2	78.1	81.1	94.60	9,041.0	809.1	983.1	826.0	157.06	6.259	
19,225.0	10,554.6	19,469.4	10,633.4	78.3	81.3	94.60	9,066.0	809.0	983.1	825.6	157.47	6.243	
19,250.0	10,554.9	19,494.4	10,633.7	78.5	81.5	94.60	9,091.0	809.0	983.1	825.2	157.88	6.227	
19,275.0	10,555.2	19,519.4	10,633.9	78.7	81.7	94.59	9,116.0	809.0	983.1	824.8	158.29	6.211	
19,300.0	10,555.4	19,544.4	10,634.2	78.9	81.9	94.59	9,141.0	808.9	983.1	824.4	158.69	6.195	
19,325.0	10,555.7	19,569.4	10,634.4	79.1	82.1	94.59	9,166.0	808.9	983.1	824.0	159.10	6.179	
19,350.0	10,556.0	19,594.4	10,634.7	79.3	82.3	94.59	9,191.0	808.9	983.1	823.6	159.51	6.163	
19,375.0	10,556.2	19,619.4	10,634.9	79.5	82.5	94.59	9,216.0	808.9	983.1	823.1	159.92	6.147	
19,400.0	10,556.5	19,644.4	10,635.1	79.7	82.8	94.59	9,241.0	808.8	983.1	822.7	160.33	6.131	
19,425.0	10,556.7	19,669.4	10,635.4	80.0	83.0	94.59	9,266.0	808.8	983.1	822.3	160.74	6.116	
19,450.0	10,557.0	19,694.4	10,635.6	80.2	83.2	94.59	9,291.0	808.8	983.1	821.9	161.15	6.100	
19,475.0	10,557.3	19,719.4	10,635.9	80.4	83.4	94.59	9,316.0	808.7	983.1	821.5	161.56	6.085	
19,500.0	10,557.5	19,744.4	10,636.1	80.6	83.6	94.59	9,341.0	808.7	983.1	821.1	161.97	6.069	
19,525.0	10,557.8	19,769.4	10,636.4	80.8	83.8	94.59	9,366.0	808.7	983.1	820.7	162.38	6.054	
19,550.0	10,558.0	19,794.4	10,636.6	81.0	84.0	94.59	9,391.0	808.6	983.1	820.3	162.79	6.039	
19,575.0	10,558.3	19,819.4	10,636.9	81.2	84.2	94.58	9,416.0	808.6	983.1	819.9	163.20	6.024	
19,600.0	10,558.6	19,844.4	10,637.1	81.4	84.4	94.58	9,441.0	808.6	983.1	819.4	163.61	6.009	
19,625.0	10,558.8	19,869.4	10,637.4	81.6	84.6	94.58	9,466.0	808.6	983.1	819.0	164.02	5.994	
19,650.0	10,559.1	19,894.4	10,637.6	81.8	84.8	94.58	9,491.0	808.5	983.1	818.6	164.43	5.979	
19,675.0	10,559.3	19,919.4	10,637.9	82.1	85.0	94.58	9,516.0	808.5	983.1	818.2	164.84	5.964	
19,700.0	10,559.6	19,944.4	10,638.1	82.3	85.2	94.58	9,541.0	808.5	983.0	817.8	165.25	5.949	
19,725.0	10,559.9	19,969.4	10,638.3	82.5	85.4	94.58	9,566.0	808.4	983.0	817.4	165.66	5.934	
19,750.0	10,560.1	19,994.4	10,638.6	82.7	85.6	94.58	9,591.0	808.4	983.0	817.0	166.07	5.920	
19,775.0	10,560.4	20,019.4	10,638.8	82.9	85.8	94.58	9,616.0	808.4	983.0	816.6	166.48	5.905	
19,800.0	10,560.7	20,044.4	10,639.1	83.1	86.0	94.58	9,641.0	808.4	983.0	816.2	166.89	5.891	
19,825.0	10,560.9	20,069.4	10,639.3	83.3	86.2	94.58	9,666.0	808.3	983.0	815.7	167.30	5.876	
19,850.0	10,561.2	20,094.4	10,639.6	83.5	86.4	94.57	9,691.0	808.3	983.0	815.3	167.71	5.862	
19,875.0	10,561.4	20,119.4	10,639.8	83.7	86.7	94.57	9,716.0	808.3	983.0	814.9	168.12	5.847	
19,900.0	10,561.7	20,144.4	10,640.1	84.0	86.9	94.57	9,741.0	808.2	983.0	814.5	168.53	5.833	
19,925.0	10,562.0	20,169.4	10,640.3	84.2	87.1	94.57	9,766.0	808.2	983.0	814.1	168.94	5.819	
19,950.0	10,562.2	20,194.4	10,640.6	84.4	87.3	94.57	9,791.0	808.2	983.0	813.7	169.35	5.805	
19,975.0	10,562.5	20,219.4	10,640.8	84.6	87.5	94.57	9,816.0	808.2	983.0	813.3	169.76	5.791	
20,000.0	10,562.7	20,244.4	10,641.1	84.8	87.7	94.57	9,841.0	808.1	983.0	812.9	170.17	5.777	
20,025.0	10,563.0	20,269.4	10,641.3	85.0	87.9	94.57	9,866.0	808.1	983.0	812.5	170.58	5.763	
20,050.0	10,563.3	20,294.4	10,641.5	85.2	88.1	94.57	9,891.0	808.1	983.0	812.0	170.99	5.749	
20,075.0	10,563.5	20,319.4	10,641.8	85.4	88.3	94.57	9,916.0	808.0	983.0	811.6	171.40	5.735	
20,100.0	10,563.8	20,344.4	10,642.0	85.6	88.5	94.57	9,941.0	808.0	983.0	811.2	171.81	5.722	
20,125.0	10,564.1	20,369.4	10,642.3	85.9	88.7	94.56	9,966.0	808.0	983.0	810.8	172.22	5.708	
20,150.0	10,564.3	20,394.4	10,642.5	86.1	88.9	94.56	9,990.9	807.9	983.0	810.4	172.63	5.694	
20,175.0	10,564.6	20,419.4	10,642.8	86.3	89.1	94.56	10,015.9	807.9	983.0	810.0	173.04	5.681	
20,200.0	10,564.8	20,444.4	10,643.0	86.5	89.3	94.56	10,040.9	807.9	983.0	809.6	173.46	5.667	
20,225.0	10,565.1	20,469.4	10,643.3	86.7	89.5	94.56	10,065.9	807.9	983.0	809.2	173.87	5.654	
20,250.0	10,565.4	20,494.4	10,643.5	86.9	89.7	94.56	10,090.9	807.8	983.0	808.7	174.28	5.641	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,275.0	10,565.6	20,519.4	10,643.8	87.1	90.0	94.56	10,115.9	807.8	983.0	808.3	174.69	5.627	
20,300.0	10,565.9	20,544.4	10,644.0	87.3	90.2	94.56	10,140.9	807.8	983.0	807.9	175.10	5.614	
20,325.0	10,566.1	20,569.4	10,644.3	87.5	90.4	94.56	10,165.9	807.7	983.0	807.5	175.51	5.601	
20,350.0	10,566.4	20,594.4	10,644.5	87.8	90.6	94.56	10,190.9	807.7	983.0	807.1	175.92	5.588	
20,375.0	10,566.7	20,619.4	10,644.7	88.0	90.8	94.56	10,215.9	807.7	983.0	806.7	176.33	5.575	
20,400.0	10,566.9	20,644.4	10,645.0	88.2	91.0	94.56	10,240.9	807.7	983.0	806.3	176.74	5.562	
20,425.0	10,567.2	20,669.4	10,645.2	88.4	91.2	94.55	10,265.9	807.6	983.0	805.9	177.16	5.549	
20,450.0	10,567.5	20,694.4	10,645.5	88.6	91.4	94.55	10,290.9	807.6	983.0	805.4	177.57	5.536	
20,475.0	10,567.7	20,719.4	10,645.7	88.8	91.6	94.55	10,315.9	807.6	983.0	805.0	177.98	5.523	
20,500.0	10,568.0	20,744.4	10,646.0	89.0	91.8	94.55	10,340.9	807.5	983.0	804.6	178.39	5.510	
20,525.0	10,568.2	20,769.4	10,646.2	89.2	92.0	94.55	10,365.9	807.5	983.0	804.2	178.80	5.498	
20,550.0	10,568.5	20,794.4	10,646.5	89.4	92.2	94.55	10,390.9	807.5	983.0	803.8	179.21	5.485	
20,575.0	10,568.8	20,819.4	10,646.7	89.7	92.4	94.55	10,415.9	807.5	983.0	803.4	179.63	5.473	
20,600.0	10,569.0	20,844.4	10,647.0	89.9	92.6	94.55	10,440.9	807.4	983.0	803.0	180.04	5.460	
20,625.0	10,569.3	20,869.4	10,647.2	90.1	92.8	94.55	10,465.9	807.4	983.0	802.6	180.45	5.448	
20,650.0	10,569.5	20,894.4	10,647.5	90.3	93.1	94.55	10,490.9	807.4	983.0	802.1	180.86	5.435	
20,675.0	10,569.8	20,919.4	10,647.7	90.5	93.3	94.55	10,515.9	807.3	983.0	801.7	181.27	5.423	
20,693.8	10,570.0	20,938.2	10,647.9	90.7	93.4	94.54	10,534.7	807.3	983.0	801.4	181.58	5.414	
20,694.2	10,570.0	20,938.6	10,647.9	90.7	93.4	94.54	10,535.1	807.3	983.0	801.4	181.59	5.413 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.62	-60.0	0.4	60.0				
25.0	25.0	24.9	24.9	0.5	0.1	179.62	-60.0	0.4	60.0				
50.0	50.0	49.9	49.9	0.5	0.3	179.62	-60.0	0.4	60.0	58.7	1.28	46.779	
75.0	75.0	74.9	74.9	0.5	0.4	179.62	-60.0	0.4	60.0	58.6	1.38	43.561	
100.0	100.0	99.9	99.9	0.5	0.5	179.62	-60.0	0.4	60.0	58.5	1.50	40.124	
125.0	125.0	124.9	124.9	0.6	0.6	179.62	-60.0	0.4	60.0	58.3	1.75	34.347	
150.0	150.0	149.9	149.9	0.8	0.8	179.62	-60.0	0.4	60.0	58.0	2.00	30.024	
175.0	175.0	174.9	174.9	0.9	0.9	179.62	-60.0	0.4	60.0	57.8	2.25	26.667	
200.0	200.0	199.9	199.9	1.0	1.0	179.62	-60.0	0.4	60.0	57.5	2.50	23.986	
225.0	225.0	224.9	224.9	1.1	1.1	179.62	-60.0	0.4	60.0	57.3	2.67	22.481	
250.0	250.0	249.9	249.9	1.2	1.2	179.62	-60.0	0.4	60.0	57.2	2.84	21.155	
275.0	275.0	274.9	274.9	1.3	1.3	179.62	-60.0	0.4	60.0	57.0	3.00	19.976	
300.0	300.0	299.9	299.9	1.4	1.4	179.62	-60.0	0.4	60.0	56.8	3.17	18.922	
325.0	325.0	324.9	324.9	1.4	1.4	179.62	-60.0	0.4	60.0	56.7	3.31	18.138	
350.0	350.0	349.9	349.9	1.5	1.5	179.62	-60.0	0.4	60.0	56.6	3.45	17.416	
375.0	375.0	374.9	374.9	1.6	1.6	179.62	-60.0	0.4	60.0	56.4	3.58	16.750	
400.0	400.0	399.9	399.9	1.6	1.6	179.62	-60.0	0.4	60.0	56.3	3.72	16.132	
425.0	425.0	424.9	424.9	1.7	1.7	179.62	-60.0	0.4	60.0	56.2	3.84	15.627	
450.0	450.0	449.9	449.9	1.8	1.8	179.62	-60.0	0.4	60.0	56.0	3.96	15.152	
475.0	475.0	474.9	474.9	1.8	1.8	179.62	-60.0	0.4	60.0	55.9	4.08	14.705	
500.0	500.0	499.9	499.9	1.9	1.9	179.62	-60.0	0.4	60.0	55.8	4.20	14.284	
525.0	525.0	524.9	524.9	1.9	1.9	179.62	-60.0	0.4	60.0	55.7	4.31	13.922	
550.0	550.0	549.9	549.9	2.0	2.0	179.62	-60.0	0.4	60.0	55.6	4.42	13.577	
575.0	575.0	574.9	574.9	2.1	2.1	179.62	-60.0	0.4	60.0	55.5	4.53	13.249	
600.0	600.0	599.9	599.9	2.1	2.1	179.62	-60.0	0.4	60.0	55.4	4.64	12.937	
625.0	625.0	624.9	624.9	2.2	2.2	179.62	-60.0	0.4	60.0	55.3	4.74	12.659	
650.0	650.0	649.9	649.9	2.2	2.2	179.62	-60.0	0.4	60.0	55.2	4.84	12.394	
675.0	675.0	674.9	674.9	2.3	2.3	179.62	-60.0	0.4	60.0	55.1	4.94	12.139	
700.0	700.0	699.9	699.9	2.3	2.3	179.62	-60.0	0.4	60.0	55.0	5.04	11.895	
725.0	725.0	724.9	724.9	2.4	2.4	179.62	-60.0	0.4	60.0	54.9	5.14	11.673	
750.0	750.0	749.9	749.9	2.4	2.4	179.62	-60.0	0.4	60.0	54.8	5.24	11.460	
775.0	775.0	774.9	774.9	2.5	2.5	179.62	-60.0	0.4	60.0	54.7	5.33	11.254	
800.0	800.0	799.9	799.9	2.5	2.5	179.62	-60.0	0.4	60.0	54.6	5.43	11.056	
825.0	825.0	824.9	824.9	2.6	2.6	179.62	-60.0	0.4	60.0	54.5	5.52	10.873	
850.0	850.0	849.9	849.9	2.6	2.6	179.62	-60.0	0.4	60.0	54.4	5.61	10.696	
875.0	875.0	874.9	874.9	2.6	2.6	179.62	-60.0	0.4	60.0	54.3	5.70	10.525	
900.0	900.0	899.9	899.9	2.7	2.7	179.62	-60.0	0.4	60.0	54.2	5.79	10.360	
925.0	925.0	924.9	924.9	2.7	2.7	179.62	-60.0	0.4	60.0	54.1	5.88	10.206	
950.0	950.0	949.9	949.9	2.8	2.8	179.62	-60.0	0.4	60.0	54.0	5.97	10.056	
975.0	975.0	974.9	974.9	2.8	2.8	179.62	-60.0	0.4	60.0	53.9	6.05	9.911	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	179.62	-60.0	0.4	60.0	53.9	6.14	9.770	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	179.62	-60.0	0.4	60.0	53.8	6.23	9.638	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	179.62	-60.0	0.4	60.0	53.7	6.31	9.509	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	179.62	-60.0	0.4	60.0	53.6	6.39	9.383	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	179.62	-60.0	0.4	60.0	53.5	6.48	9.261	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	179.62	-60.0	0.4	60.0	53.4	6.56	9.146	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	179.62	-60.0	0.4	60.0	53.4	6.64	9.033	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	179.62	-60.0	0.4	60.0	53.3	6.72	8.923	
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	179.62	-60.0	0.4	60.0	53.2	6.81	8.816	
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	179.62	-60.0	0.4	60.0	53.1	6.89	8.714	
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	179.62	-60.0	0.4	60.0	53.0	6.96	8.615	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	179.62	-60.0	0.4	60.0	53.0	7.04	8.517	
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	179.62	-60.0	0.4	60.0	52.9	7.12	8.422	
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	179.62	-60.0	0.4	60.0	52.8	7.20	8.331	
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	179.62	-60.0	0.4	60.0	52.7	7.28	8.243	
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	179.62	-60.0	0.4	60.0	52.6	7.36	8.155	
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	179.62	-60.0	0.4	60.0	52.6	7.43	8.070	
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	179.62	-60.0	0.4	60.0	52.5	7.51	7.989	
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	179.62	-60.0	0.4	60.0	52.4	7.59	7.908	
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	179.62	-60.0	0.4	60.0	52.3	7.66	7.830	
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	179.62	-60.0	0.4	60.0	52.3	7.74	7.753	
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	179.62	-60.0	0.4	60.0	52.2	7.81	7.679	
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	179.62	-60.0	0.4	60.0	52.1	7.89	7.606	
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	179.62	-60.0	0.4	60.0	52.0	7.96	7.535	
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	179.62	-60.0	0.4	60.0	52.0	8.04	7.465	
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	179.62	-60.0	0.4	60.0	51.9	8.11	7.398	
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	179.62	-60.0	0.4	60.0	51.8	8.18	7.332	
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	179.62	-60.0	0.4	60.0	51.7	8.26	7.266	
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	179.62	-60.0	0.4	60.0	51.7	8.33	7.203	
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	179.62	-60.0	0.4	60.0	51.6	8.40	7.141	
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	179.62	-60.0	0.4	60.0	51.5	8.47	7.080	
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	179.62	-60.0	0.4	60.0	51.5	8.55	7.020	
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	179.62	-60.0	0.4	60.0	51.4	8.62	6.961	
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	179.62	-60.0	0.4	60.0	51.3	8.69	6.904	
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	179.62	-60.0	0.4	60.0	51.2	8.76	6.848	
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	179.62	-60.0	0.4	60.0	51.2	8.83	6.793	
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	179.62	-60.0	0.4	60.0	51.1	8.90	6.739	
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	179.62	-60.0	0.4	60.0	51.0	8.97	6.686	
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	179.62	-60.0	0.4	60.0	51.0	9.04	6.634	
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	179.62	-60.0	0.4	60.0	50.9	9.11	6.583	
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	179.62	-60.0	0.4	60.0	50.8	9.18	6.533 CC	
2,025.0	2,025.0	2,025.0	2,025.0	4.4	4.4	-125.91	-60.0	0.4	60.0	50.8	9.25	6.491 ES	
2,050.0	2,050.0	2,050.2	2,050.2	4.5	4.5	-126.29	-59.9	0.6	60.1	50.8	9.31	6.457	
2,075.0	2,075.0	2,075.3	2,075.3	4.5	4.5	-126.93	-59.7	0.8	60.3	50.9	9.38	6.431	
2,100.0	2,100.0	2,100.5	2,100.5	4.6	4.5	-127.81	-59.5	1.1	60.6	51.1	9.44	6.413	
2,125.0	2,125.0	2,125.6	2,125.6	4.6	4.6	-128.93	-59.2	1.5	60.9	51.4	9.53	6.388	
2,150.0	2,149.9	2,150.7	2,150.6	4.7	4.6	-130.28	-58.9	2.0	61.4	51.7	9.63	6.374	
2,175.0	2,174.9	2,175.7	2,175.7	4.7	4.6	-131.84	-58.5	2.6	61.9	52.2	9.72	6.374	
2,200.0	2,199.8	2,200.8	2,200.7	4.8	4.7	-133.61	-58.0	3.3	62.7	52.9	9.81	6.388	
2,225.0	2,224.8	2,225.8	2,225.7	4.8	4.7	-135.55	-57.4	4.0	63.6	53.7	9.90	6.419	
2,250.0	2,249.7	2,250.8	2,250.7	4.9	4.8	-137.66	-56.9	4.9	64.7	54.7	10.00	6.468	
2,275.0	2,274.6	2,275.7	2,275.6	5.0	4.8	-139.89	-56.2	5.8	66.0	55.9	10.09	6.538	
2,300.0	2,299.5	2,300.6	2,300.5	5.0	4.9	-142.24	-55.5	6.9	67.5	57.3	10.18	6.630	
2,325.0	2,324.3	2,325.4	2,325.3	5.1	4.9	-144.65	-54.7	8.0	69.3	59.0	10.27	6.745	
2,350.0	2,349.1	2,350.2	2,350.0	5.2	4.9	-147.12	-53.9	9.2	71.4	61.0	10.37	6.884	
2,375.0	2,373.9	2,375.0	2,374.7	5.2	5.0	-149.60	-53.0	10.4	73.7	63.3	10.46	7.049	
2,400.1	2,398.8	2,399.8	2,399.4	5.3	5.0	-152.09	-52.0	11.8	76.4	65.9	10.56	7.240	
2,425.0	2,423.5	2,424.3	2,423.9	5.4	5.1	-154.52	-51.0	13.3	79.3	68.7	10.63	7.458	
2,450.0	2,448.2	2,449.0	2,448.5	5.4	5.1	-156.86	-49.9	14.8	82.3	71.6	10.71	7.686	
2,475.0	2,473.0	2,473.5	2,473.0	5.5	5.2	-159.10	-48.8	16.4	85.5	74.7	10.79	7.923	
2,500.0	2,497.7	2,498.1	2,497.5	5.6	5.2	-161.24	-47.6	18.1	88.8	77.9	10.87	8.167	
2,525.0	2,522.5	2,522.0	2,521.3	5.6	5.3	-163.24	-46.4	19.9	92.2	81.3	10.97	8.412	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,545.8	2,545.0	5.7	5.3	-165.14	-45.4	21.9	96.0	85.0	11.06	8.679	
2,575.0	2,572.0	2,569.5	2,568.6	5.7	5.4	-166.93	-44.4	24.0	100.1	88.9	11.16	8.967	
2,600.0	2,596.8	2,593.2	2,592.1	5.8	5.5	-168.62	-43.5	26.3	104.4	93.2	11.26	9.276	
2,625.0	2,621.5	2,616.7	2,615.5	5.9	5.5	-170.20	-42.8	28.7	109.1	97.7	11.36	9.602	
2,650.0	2,646.3	2,640.2	2,638.8	6.0	5.6	-171.68	-42.1	31.3	114.0	102.5	11.46	9.945	
2,675.0	2,671.0	2,663.5	2,662.0	6.0	5.6	-173.06	-41.5	34.1	119.1	107.6	11.56	10.304	
2,700.0	2,695.8	2,686.8	2,685.1	6.1	5.7	-174.34	-41.0	37.0	124.6	112.9	11.66	10.678	
2,725.0	2,720.5	2,710.0	2,708.1	6.2	5.7	-175.54	-40.6	40.1	130.2	118.5	11.76	11.074	
2,750.0	2,745.3	2,733.8	2,731.7	6.2	5.8	-176.68	-40.2	43.3	136.1	124.2	11.86	11.475	
2,775.0	2,770.1	2,758.0	2,755.6	6.3	5.8	-177.75	-39.8	46.7	142.0	130.1	11.98	11.860	
2,800.0	2,794.8	2,782.1	2,779.5	6.4	5.9	-178.73	-39.5	50.0	148.0	135.9	12.09	12.240	
2,825.0	2,819.6	2,806.3	2,803.4	6.5	5.9	-179.63	-39.1	53.4	154.0	141.8	12.22	12.610	
2,850.0	2,844.3	2,830.5	2,827.4	6.5	6.0	179.53	-38.8	56.7	160.1	147.8	12.34	12.970	
2,875.0	2,869.1	2,854.6	2,851.3	6.6	6.1	178.76	-38.4	60.1	166.2	153.7	12.47	13.324	
2,900.0	2,893.8	2,878.8	2,875.2	6.7	6.1	178.04	-38.0	63.4	172.3	159.7	12.60	13.671	
2,925.0	2,918.6	2,902.9	2,899.1	6.8	6.2	177.37	-37.7	66.7	178.4	165.7	12.74	14.009	
2,950.0	2,943.3	2,927.1	2,923.0	6.9	6.3	176.74	-37.3	70.1	184.6	171.7	12.87	14.337	
2,975.0	2,968.1	2,951.2	2,946.9	7.0	6.3	176.15	-37.0	73.4	190.8	177.7	13.01	14.658	
3,000.0	2,992.9	2,975.4	2,970.9	7.0	6.4	175.60	-36.6	76.8	197.0	183.8	13.15	14.974	
3,025.0	3,017.6	2,999.5	2,994.8	7.1	6.5	175.08	-36.3	80.1	203.2	189.9	13.30	15.280	
3,050.0	3,042.4	3,023.7	3,018.7	7.2	6.6	174.60	-35.9	83.5	209.4	195.9	13.44	15.577	
3,075.0	3,067.1	3,047.8	3,042.6	7.3	6.6	174.14	-35.5	86.8	215.6	202.0	13.59	15.868	
3,100.0	3,091.9	3,072.0	3,066.5	7.4	6.7	173.71	-35.2	90.1	221.9	208.1	13.74	16.152	
3,125.0	3,116.6	3,096.1	3,090.5	7.5	6.8	173.30	-34.8	93.5	228.1	214.3	13.89	16.429	
3,150.0	3,141.4	3,120.3	3,114.4	7.6	6.9	172.91	-34.5	96.8	234.4	220.4	14.04	16.698	
3,175.0	3,166.2	3,144.4	3,138.3	7.6	7.0	172.54	-34.1	100.2	240.7	226.5	14.19	16.960	
3,200.0	3,190.9	3,168.6	3,162.2	7.7	7.0	172.19	-33.7	103.5	247.0	232.6	14.34	17.217	
3,212.6	3,203.4	3,180.8	3,174.3	7.8	7.1	172.02	-33.6	105.2	250.2	235.7	14.41	17.357	
3,225.0	3,215.7	3,192.8	3,186.1	7.8	7.1	171.87	-33.4	106.9	253.3	238.8	14.49	17.476	
3,250.0	3,240.4	3,216.9	3,210.1	7.9	7.2	171.56	-33.0	110.2	259.5	244.8	14.65	17.707	
3,275.0	3,265.2	3,241.1	3,234.0	8.0	7.3	171.26	-32.7	113.5	265.6	250.8	14.82	17.925	
3,300.0	3,290.0	3,265.4	3,258.0	8.1	7.4	170.97	-32.3	116.9	271.6	256.6	14.98	18.131	
3,325.0	3,314.8	3,289.6	3,282.1	8.2	7.5	170.69	-31.9	120.3	277.5	262.3	15.14	18.333	
3,350.0	3,339.7	3,313.9	3,306.1	8.3	7.6	170.42	-31.6	123.6	283.3	268.0	15.29	18.523	
3,375.0	3,364.5	3,338.2	3,330.2	8.4	7.6	170.16	-31.2	127.0	289.0	273.6	15.45	18.702	
3,400.0	3,389.4	3,362.5	3,354.2	8.4	7.7	169.90	-30.9	130.3	294.6	279.0	15.61	18.870	
3,425.0	3,414.2	3,386.9	3,378.4	8.5	7.8	169.65	-30.5	133.7	300.1	284.4	15.77	19.029	
3,450.0	3,439.1	3,411.2	3,402.5	8.6	7.9	169.41	-30.1	137.1	305.6	289.6	15.93	19.178	
3,475.0	3,464.0	3,435.6	3,426.6	8.7	8.0	169.17	-29.8	140.5	310.9	294.8	16.09	19.317	
3,500.0	3,488.9	3,460.1	3,450.8	8.8	8.1	168.93	-29.4	143.8	316.1	299.8	16.25	19.446	
3,525.0	3,513.8	3,484.5	3,475.0	8.9	8.2	168.70	-29.0	147.2	321.2	304.8	16.41	19.569	
3,550.0	3,538.7	3,508.9	3,499.2	9.0	8.3	168.48	-28.7	150.6	326.2	309.6	16.57	19.682	
3,575.0	3,563.6	3,533.4	3,523.5	9.1	8.4	168.25	-28.3	154.0	331.1	314.4	16.74	19.786	
3,600.0	3,588.5	3,557.9	3,547.7	9.1	8.5	168.03	-28.0	157.4	336.0	319.1	16.90	19.882	
3,625.0	3,613.5	3,582.4	3,572.0	9.2	8.5	167.81	-27.6	160.8	340.7	323.6	17.06	19.974	
3,650.0	3,638.4	3,607.0	3,596.3	9.3	8.6	167.60	-27.2	164.2	345.3	328.1	17.22	20.057	
3,675.0	3,663.4	3,631.5	3,620.6	9.4	8.7	167.38	-26.9	167.6	349.8	332.4	17.38	20.132	
3,700.0	3,688.3	3,656.1	3,644.9	9.5	8.8	167.17	-26.5	171.0	354.2	336.7	17.54	20.199	
3,725.0	3,713.3	3,680.7	3,669.3	9.5	8.9	166.96	-26.1	174.4	358.6	340.9	17.69	20.264	
3,750.0	3,738.3	3,705.3	3,693.7	9.6	9.0	166.75	-25.8	177.8	362.8	344.9	17.85	20.322	
3,775.0	3,763.3	3,729.9	3,718.0	9.7	9.1	166.54	-25.4	181.2	366.9	348.9	18.01	20.372	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,754.5	3,742.4	9.8	9.2	166.33	-25.0	184.6	370.9	352.8	18.17	20.416	
3,825.0	3,813.2	3,779.2	3,766.8	9.9	9.3	166.13	-24.7	188.0	374.9	356.5	18.32	20.460	
3,850.0	3,838.2	3,803.8	3,791.3	9.9	9.4	165.92	-24.3	191.4	378.7	360.2	18.48	20.497	
3,875.0	3,863.2	3,828.5	3,815.7	10.0	9.5	165.71	-23.9	194.8	382.4	363.8	18.63	20.527	
3,900.0	3,888.2	3,853.2	3,840.2	10.1	9.6	165.50	-23.6	198.2	386.0	367.3	18.78	20.552	
3,925.0	3,913.2	3,877.9	3,864.6	10.1	9.7	165.30	-23.2	201.7	389.6	370.6	18.93	20.585	
3,950.0	3,938.2	3,902.6	3,889.1	10.2	9.8	165.09	-22.8	205.1	393.0	373.9	19.07	20.611	
3,975.0	3,963.2	3,927.4	3,913.6	10.2	9.9	164.88	-22.5	208.5	396.3	377.1	19.21	20.631	
4,000.0	3,988.2	3,952.1	3,938.1	10.3	10.0	164.67	-22.1	211.9	399.6	380.2	19.35	20.645	
4,012.8	4,001.0	3,964.8	3,950.7	10.3	10.0	109.97	-21.9	213.7	401.2	381.8	19.41	20.672	
4,025.0	4,013.2	3,976.9	3,962.6	10.3	10.1	109.86	-21.7	215.4	402.7	383.2	19.46	20.693	
4,050.0	4,038.2	4,001.6	3,987.1	10.3	10.2	109.65	-21.4	218.8	405.8	386.3	19.57	20.735	
4,075.0	4,063.2	4,026.4	4,011.6	10.4	10.3	109.43	-21.0	222.2	409.0	389.3	19.69	20.776	
4,100.0	4,088.2	4,051.1	4,036.2	10.4	10.4	109.23	-20.6	225.6	412.1	392.3	19.80	20.816	
4,125.0	4,113.2	4,075.9	4,060.7	10.4	10.5	109.02	-20.3	229.1	415.3	395.4	19.91	20.859	
4,150.0	4,138.2	4,100.7	4,085.2	10.4	10.6	108.82	-19.9	232.5	418.4	398.4	20.02	20.901	
4,175.0	4,163.2	4,125.4	4,109.7	10.4	10.7	108.62	-19.5	235.9	421.6	401.5	20.13	20.942	
4,200.0	4,188.2	4,150.2	4,134.2	10.5	10.8	108.42	-19.2	239.3	424.8	404.5	20.24	20.982	
4,225.0	4,213.2	4,174.9	4,158.7	10.5	10.9	108.23	-18.8	242.8	427.9	407.6	20.36	21.021	
4,250.0	4,238.2	4,199.7	4,183.3	10.5	11.0	108.04	-18.4	246.2	431.1	410.6	20.47	21.059	
4,275.0	4,263.2	4,224.4	4,207.8	10.5	11.1	107.85	-18.1	249.6	434.3	413.7	20.59	21.096	
4,300.0	4,288.2	4,249.2	4,232.3	10.5	11.2	107.67	-17.7	253.0	437.5	416.8	20.70	21.133	
4,325.0	4,313.2	4,274.0	4,256.8	10.6	11.3	107.48	-17.3	256.5	440.7	419.9	20.82	21.169	
4,350.0	4,338.2	4,298.7	4,281.3	10.6	11.4	107.30	-16.9	259.9	443.9	422.9	20.93	21.203	
4,375.0	4,363.2	4,323.5	4,305.8	10.6	11.5	107.13	-16.6	263.3	447.1	426.0	21.04	21.244	
4,400.0	4,388.2	4,348.2	4,330.4	10.6	11.6	106.95	-16.2	266.7	450.3	429.1	21.15	21.285	
4,425.0	4,413.2	4,373.6	4,355.4	10.6	11.7	106.78	-15.8	270.2	453.5	432.2	21.27	21.322	
4,450.0	4,438.2	4,400.3	4,381.9	10.7	11.8	106.60	-15.4	273.9	456.6	435.2	21.39	21.349	
4,475.0	4,463.2	4,427.1	4,408.5	10.7	11.9	106.43	-15.1	277.3	459.6	438.1	21.52	21.359	
4,500.0	4,488.2	4,453.9	4,435.0	10.7	12.0	106.27	-14.7	280.7	462.5	440.9	21.65	21.365	
4,525.0	4,513.2	4,480.7	4,461.7	10.7	12.1	106.11	-14.4	283.9	465.4	443.6	21.78	21.365	
4,550.0	4,538.2	4,507.5	4,488.3	10.7	12.2	105.97	-14.0	287.1	468.1	446.2	21.91	21.361	
4,575.0	4,563.2	4,534.4	4,515.1	10.8	12.3	105.83	-13.7	290.1	470.7	448.6	22.04	21.355	
4,600.0	4,588.2	4,561.3	4,541.8	10.8	12.4	105.70	-13.4	292.9	473.2	451.0	22.17	21.344	
4,625.0	4,613.2	4,588.3	4,568.6	10.8	12.5	105.57	-13.1	295.7	475.6	453.3	22.30	21.328	
4,650.0	4,638.2	4,615.2	4,595.4	10.8	12.6	105.45	-12.8	298.3	477.8	455.4	22.42	21.309	
4,675.0	4,663.2	4,642.2	4,622.3	10.8	12.7	105.34	-12.6	300.8	480.0	457.5	22.55	21.287	
4,700.0	4,688.2	4,669.2	4,649.2	10.9	12.8	105.24	-12.3	303.2	482.1	459.4	22.68	21.261	
4,725.0	4,713.2	4,696.3	4,676.2	10.9	12.9	105.14	-12.1	305.5	484.1	461.3	22.80	21.231	
4,750.0	4,738.2	4,723.3	4,703.1	10.9	13.0	105.05	-11.8	307.6	485.9	463.0	22.92	21.199	
4,775.0	4,763.2	4,750.4	4,730.1	10.9	13.1	104.96	-11.6	309.6	487.7	464.6	23.04	21.164	
4,800.0	4,788.2	4,777.5	4,757.2	10.9	13.2	104.88	-11.4	311.5	489.3	466.1	23.16	21.125	
4,825.0	4,813.2	4,804.6	4,784.2	11.0	13.3	104.81	-11.2	313.3	490.8	467.5	23.28	21.082	
4,850.0	4,838.2	4,831.7	4,811.3	11.0	13.4	104.74	-11.0	314.9	492.2	468.8	23.40	21.040	
4,875.0	4,863.2	4,858.9	4,838.4	11.0	13.5	104.68	-10.9	316.4	493.5	470.0	23.51	20.993	
4,900.0	4,888.2	4,886.0	4,865.5	11.0	13.6	104.62	-10.7	317.8	494.7	471.1	23.62	20.942	
4,925.0	4,913.2	4,913.2	4,892.7	11.0	13.7	104.57	-10.6	319.1	495.8	472.1	23.73	20.891	
4,950.0	4,938.2	4,940.4	4,919.8	11.1	13.7	104.52	-10.5	320.2	496.8	473.0	23.84	20.838	
4,975.0	4,963.2	4,967.6	4,947.0	11.1	13.8	104.48	-10.4	321.2	497.7	473.7	23.95	20.782	
5,000.0	4,988.2	4,994.8	4,974.2	11.1	13.9	104.44	-10.3	322.1	498.4	474.4	24.05	20.722	
5,025.0	5,013.2	5,022.0	5,001.4	11.1	14.0	104.41	-10.2	322.8	499.1	474.9	24.15	20.666	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	5,049.2	5,028.6	11.1	14.1	104.39	-10.1	323.4	499.6	475.3	24.24	20.608	
5,075.0	5,063.2	5,076.4	5,055.8	11.2	14.1	104.37	-10.1	323.9	500.0	475.7	24.34	20.546	
5,100.0	5,088.2	5,103.7	5,083.0	11.2	14.2	104.36	-10.0	324.3	500.3	475.9	24.42	20.485	
5,125.0	5,113.2	5,130.9	5,110.2	11.2	14.3	104.35	-10.0	324.5	500.5	476.0	24.48	20.450	
5,150.0	5,138.2	5,158.1	5,137.5	11.2	14.3	104.34	-10.0	324.6	500.6	476.1	24.53	20.410	
5,175.0	5,163.2	5,183.7	5,163.1	11.2	14.3	104.34	-10.0	324.6	500.6	476.0	24.56	20.385	
5,200.0	5,188.2	5,208.7	5,188.1	11.3	14.3	104.34	-10.0	324.6	500.6	476.0	24.58	20.363	
5,225.0	5,213.2	5,233.7	5,213.1	11.3	14.3	104.34	-10.0	324.6	500.6	476.0	24.62	20.336	
5,250.0	5,238.2	5,258.7	5,238.1	11.3	14.3	104.34	-10.0	324.6	500.6	476.0	24.65	20.308	
5,275.0	5,263.2	5,283.7	5,263.1	11.3	14.4	104.34	-10.0	324.6	500.6	475.9	24.68	20.281	
5,300.0	5,288.2	5,308.7	5,288.1	11.3	14.4	104.34	-10.0	324.6	500.6	475.9	24.72	20.253	
5,325.0	5,313.2	5,333.7	5,313.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.9	24.75	20.226	
5,350.0	5,338.2	5,358.7	5,338.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.8	24.78	20.199	
5,375.0	5,363.2	5,383.7	5,363.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.8	24.82	20.171	
5,400.0	5,388.2	5,408.7	5,388.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.7	24.85	20.144	
5,425.0	5,413.2	5,433.7	5,413.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.7	24.88	20.117	
5,450.0	5,438.2	5,458.7	5,438.1	11.4	14.4	104.34	-10.0	324.6	500.6	475.7	24.92	20.090	
5,475.0	5,463.2	5,483.7	5,463.1	11.5	14.5	104.34	-10.0	324.6	500.6	475.6	24.95	20.063	
5,500.0	5,488.2	5,508.7	5,488.1	11.5	14.5	104.34	-10.0	324.6	500.6	475.6	24.98	20.036	
5,525.0	5,513.2	5,533.7	5,513.1	11.5	14.5	104.34	-10.0	324.6	500.6	475.6	25.02	20.009	
5,550.0	5,538.2	5,558.7	5,538.1	11.5	14.5	104.34	-10.0	324.6	500.6	475.5	25.05	19.983	
5,575.0	5,563.2	5,583.7	5,563.1	11.5	14.5	104.34	-10.0	324.6	500.6	475.5	25.09	19.956	
5,600.0	5,588.2	5,608.7	5,588.1	11.6	14.5	104.34	-10.0	324.6	500.6	475.5	25.12	19.929	
5,625.0	5,613.2	5,633.7	5,613.1	11.6	14.5	104.34	-10.0	324.6	500.6	475.4	25.15	19.902	
5,650.0	5,638.2	5,658.7	5,638.1	11.6	14.6	104.34	-10.0	324.6	500.6	475.4	25.19	19.876	
5,675.0	5,663.2	5,683.7	5,663.1	11.6	14.6	104.34	-10.0	324.6	500.6	475.4	25.22	19.849	
5,700.0	5,688.2	5,708.7	5,688.1	11.6	14.6	104.34	-10.0	324.6	500.6	475.3	25.25	19.823	
5,725.0	5,713.2	5,733.7	5,713.1	11.7	14.6	104.34	-10.0	324.6	500.6	475.3	25.29	19.796	
5,750.0	5,738.2	5,758.7	5,738.1	11.7	14.6	104.34	-10.0	324.6	500.6	475.3	25.32	19.770	
5,775.0	5,763.2	5,783.7	5,763.1	11.7	14.6	104.34	-10.0	324.6	500.6	475.2	25.36	19.744	
5,800.0	5,788.2	5,808.7	5,788.1	11.7	14.6	104.34	-10.0	324.6	500.6	475.2	25.39	19.717	
5,825.0	5,813.2	5,833.7	5,813.1	11.7	14.7	104.34	-10.0	324.6	500.6	475.2	25.42	19.691	
5,850.0	5,838.2	5,858.7	5,838.1	11.8	14.7	104.34	-10.0	324.6	500.6	475.1	25.46	19.665	
5,875.0	5,863.2	5,883.7	5,863.1	11.8	14.7	104.34	-10.0	324.6	500.6	475.1	25.49	19.639	
5,900.0	5,888.2	5,908.7	5,888.1	11.8	14.7	104.34	-10.0	324.6	500.6	475.1	25.52	19.613	
5,925.0	5,913.2	5,933.7	5,913.1	11.8	14.7	104.34	-10.0	324.6	500.6	475.0	25.56	19.587	
5,950.0	5,938.2	5,958.7	5,938.1	11.8	14.7	104.34	-10.0	324.6	500.6	475.0	25.59	19.561	
5,975.0	5,963.2	5,983.7	5,963.1	11.9	14.7	104.34	-10.0	324.6	500.6	475.0	25.63	19.535	
6,000.0	5,988.2	6,008.7	5,988.1	11.9	14.7	104.34	-10.0	324.6	500.6	474.9	25.66	19.509	
6,025.0	6,013.2	6,033.7	6,013.1	11.9	14.8	104.34	-10.0	324.6	500.6	474.9	25.69	19.483	
6,050.0	6,038.2	6,058.7	6,038.1	11.9	14.8	104.34	-10.0	324.6	500.6	474.9	25.73	19.458	
6,075.0	6,063.2	6,083.7	6,063.1	11.9	14.8	104.34	-10.0	324.6	500.6	474.8	25.76	19.432	
6,100.0	6,088.2	6,108.7	6,088.1	12.0	14.8	104.34	-10.0	324.6	500.6	474.8	25.80	19.406	
6,125.0	6,113.2	6,133.7	6,113.1	12.0	14.8	104.34	-10.0	324.6	500.6	474.8	25.83	19.381	
6,150.0	6,138.2	6,158.7	6,138.1	12.0	14.8	104.34	-10.0	324.6	500.6	474.7	25.86	19.355	
6,175.0	6,163.2	6,183.7	6,163.1	12.0	14.8	104.34	-10.0	324.6	500.6	474.7	25.90	19.330	
6,200.0	6,188.2	6,208.7	6,188.1	12.0	14.9	104.34	-10.0	324.6	500.6	474.7	25.93	19.305	
6,225.0	6,213.2	6,233.7	6,213.1	12.1	14.9	104.34	-10.0	324.6	500.6	474.6	25.97	19.279	
6,250.0	6,238.2	6,258.7	6,238.1	12.1	14.9	104.34	-10.0	324.6	500.6	474.6	26.00	19.254	
6,275.0	6,263.2	6,283.7	6,263.1	12.1	14.9	104.34	-10.0	324.6	500.6	474.6	26.03	19.229	
6,300.0	6,288.2	6,308.7	6,288.1	12.1	14.9	104.34	-10.0	324.6	500.6	474.5	26.07	19.203	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,333.7	6,313.1	12.1	14.9	104.34	-10.0	324.6	500.6	474.5	26.10	19.178	
6,350.0	6,338.2	6,358.7	6,338.1	12.2	14.9	104.34	-10.0	324.6	500.6	474.5	26.14	19.153	
6,375.0	6,363.2	6,383.7	6,363.1	12.2	15.0	104.34	-10.0	324.6	500.6	474.4	26.17	19.128	
6,400.0	6,388.2	6,408.7	6,388.1	12.2	15.0	104.34	-10.0	324.6	500.6	474.4	26.21	19.103	
6,425.0	6,413.2	6,433.7	6,413.1	12.2	15.0	104.34	-10.0	324.6	500.6	474.4	26.24	19.078	
6,450.0	6,438.2	6,458.7	6,438.1	12.2	15.0	104.34	-10.0	324.6	500.6	474.3	26.27	19.053	
6,475.0	6,463.2	6,483.7	6,463.1	12.3	15.0	104.34	-10.0	324.6	500.6	474.3	26.31	19.029	
6,500.0	6,488.2	6,508.7	6,488.1	12.3	15.0	104.34	-10.0	324.6	500.6	474.3	26.34	19.004	
6,525.0	6,513.2	6,533.7	6,513.1	12.3	15.0	104.34	-10.0	324.6	500.6	474.2	26.38	18.979	
6,550.0	6,538.2	6,558.7	6,538.1	12.3	15.1	104.34	-10.0	324.6	500.6	474.2	26.41	18.954	
6,575.0	6,563.2	6,583.7	6,563.1	12.3	15.1	104.34	-10.0	324.6	500.6	474.2	26.45	18.930	
6,600.0	6,588.2	6,608.7	6,588.1	12.4	15.1	104.34	-10.0	324.6	500.6	474.1	26.48	18.905	
6,625.0	6,613.2	6,633.7	6,613.1	12.4	15.1	104.34	-10.0	324.6	500.6	474.1	26.51	18.881	
6,650.0	6,638.2	6,658.7	6,638.1	12.4	15.1	104.34	-10.0	324.6	500.6	474.1	26.55	18.856	
6,675.0	6,663.2	6,683.7	6,663.1	12.4	15.1	104.34	-10.0	324.6	500.6	474.0	26.58	18.832	
6,700.0	6,688.2	6,708.7	6,688.1	12.4	15.1	104.34	-10.0	324.6	500.6	474.0	26.62	18.808	
6,725.0	6,713.2	6,733.7	6,713.1	12.5	15.2	104.34	-10.0	324.6	500.6	473.9	26.65	18.783	
6,750.0	6,738.2	6,758.7	6,738.1	12.5	15.2	104.34	-10.0	324.6	500.6	473.9	26.69	18.759	
6,775.0	6,763.2	6,783.7	6,763.1	12.5	15.2	104.34	-10.0	324.6	500.6	473.9	26.72	18.735	
6,800.0	6,788.2	6,808.7	6,788.1	12.5	15.2	104.34	-10.0	324.6	500.6	473.8	26.75	18.711	
6,825.0	6,813.2	6,833.7	6,813.1	12.5	15.2	104.34	-10.0	324.6	500.6	473.8	26.79	18.687	
6,850.0	6,838.2	6,858.7	6,838.1	12.6	15.2	104.34	-10.0	324.6	500.6	473.8	26.82	18.662	
6,875.0	6,863.2	6,883.7	6,863.1	12.6	15.2	104.34	-10.0	324.6	500.6	473.7	26.86	18.639	
6,900.0	6,888.2	6,908.7	6,888.1	12.6	15.3	104.34	-10.0	324.6	500.6	473.7	26.89	18.615	
6,925.0	6,913.2	6,933.7	6,913.1	12.6	15.3	104.34	-10.0	324.6	500.6	473.7	26.93	18.591	
6,950.0	6,938.2	6,958.7	6,938.1	12.6	15.3	104.34	-10.0	324.6	500.6	473.6	26.96	18.567	
6,975.0	6,963.2	6,983.7	6,963.1	12.7	15.3	104.34	-10.0	324.6	500.6	473.6	27.00	18.543	
7,000.0	6,988.2	7,008.7	6,988.1	12.7	15.3	104.34	-10.0	324.6	500.6	473.6	27.03	18.519	
7,025.0	7,013.2	7,033.7	7,013.1	12.7	15.3	104.34	-10.0	324.6	500.6	473.5	27.07	18.496	
7,050.0	7,038.2	7,058.7	7,038.1	12.7	15.4	104.34	-10.0	324.6	500.6	473.5	27.10	18.472	
7,075.0	7,063.2	7,083.7	7,063.1	12.7	15.4	104.34	-10.0	324.6	500.6	473.5	27.14	18.448	
7,100.0	7,088.2	7,108.7	7,088.1	12.8	15.4	104.34	-10.0	324.6	500.6	473.4	27.17	18.425	
7,125.0	7,113.2	7,133.7	7,113.1	12.8	15.4	104.34	-10.0	324.6	500.6	473.4	27.20	18.401	
7,150.0	7,138.2	7,158.7	7,138.1	12.8	15.4	104.34	-10.0	324.6	500.6	473.4	27.24	18.378	
7,175.0	7,163.2	7,183.7	7,163.1	12.8	15.4	104.34	-10.0	324.6	500.6	473.3	27.27	18.354	
7,200.0	7,188.2	7,208.7	7,188.1	12.8	15.4	104.34	-10.0	324.6	500.6	473.3	27.31	18.331	
7,225.0	7,213.2	7,233.7	7,213.1	12.9	15.5	104.34	-10.0	324.6	500.6	473.3	27.34	18.308	
7,250.0	7,238.2	7,258.7	7,238.1	12.9	15.5	104.34	-10.0	324.6	500.6	473.2	27.38	18.285	
7,275.0	7,263.2	7,283.7	7,263.1	12.9	15.5	104.34	-10.0	324.6	500.6	473.2	27.41	18.261	
7,300.0	7,288.2	7,308.7	7,288.1	12.9	15.5	104.34	-10.0	324.6	500.6	473.2	27.45	18.238	
7,325.0	7,313.2	7,333.7	7,313.1	12.9	15.5	104.34	-10.0	324.6	500.6	473.1	27.48	18.215	
7,350.0	7,338.2	7,358.7	7,338.1	13.0	15.5	104.34	-10.0	324.6	500.6	473.1	27.52	18.192	
7,375.0	7,363.2	7,383.7	7,363.1	13.0	15.5	104.34	-10.0	324.6	500.6	473.0	27.55	18.169	
7,400.0	7,388.2	7,408.7	7,388.1	13.0	15.6	104.34	-10.0	324.6	500.6	473.0	27.59	18.146	
7,425.0	7,413.2	7,433.7	7,413.1	13.0	15.6	104.34	-10.0	324.6	500.6	473.0	27.62	18.123	
7,450.0	7,438.2	7,458.7	7,438.1	13.0	15.6	104.34	-10.0	324.6	500.6	472.9	27.66	18.100	
7,475.0	7,463.2	7,483.7	7,463.1	13.0	15.6	104.34	-10.0	324.6	500.6	472.9	27.69	18.077	
7,500.0	7,488.2	7,508.7	7,488.1	13.1	15.6	104.34	-10.0	324.6	500.6	472.9	27.73	18.055	
7,525.0	7,513.2	7,533.7	7,513.1	13.1	15.6	104.34	-10.0	324.6	500.6	472.8	27.76	18.032	
7,550.0	7,538.2	7,558.7	7,538.1	13.1	15.6	104.34	-10.0	324.6	500.6	472.8	27.80	18.009	
7,575.0	7,563.2	7,583.7	7,563.1	13.1	15.7	104.34	-10.0	324.6	500.6	472.8	27.83	17.987	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,608.7	7,588.1	13.1	15.7	104.34	-10.0	324.6	500.6	472.7	27.87	17.964	
7,625.0	7,613.2	7,633.7	7,613.1	13.2	15.7	104.34	-10.0	324.6	500.6	472.7	27.90	17.942	
7,650.0	7,638.2	7,658.7	7,638.1	13.2	15.7	104.34	-10.0	324.6	500.6	472.7	27.94	17.919	
7,675.0	7,663.2	7,683.7	7,663.1	13.2	15.7	104.34	-10.0	324.6	500.6	472.6	27.97	17.897	
7,700.0	7,688.2	7,708.7	7,688.1	13.2	15.7	104.34	-10.0	324.6	500.6	472.6	28.01	17.874	
7,725.0	7,713.2	7,733.7	7,713.1	13.2	15.7	104.34	-10.0	324.6	500.6	472.6	28.04	17.852	
7,750.0	7,738.2	7,758.7	7,738.1	13.3	15.8	104.34	-10.0	324.6	500.6	472.5	28.08	17.830	
7,775.0	7,763.2	7,783.7	7,763.1	13.3	15.8	104.34	-10.0	324.6	500.6	472.5	28.11	17.807	
7,800.0	7,788.2	7,808.7	7,788.1	13.3	15.8	104.34	-10.0	324.6	500.6	472.5	28.15	17.785	
7,825.0	7,813.2	7,833.7	7,813.1	13.3	15.8	104.34	-10.0	324.6	500.6	472.4	28.18	17.763	
7,850.0	7,838.2	7,858.7	7,838.1	13.3	15.8	104.34	-10.0	324.6	500.6	472.4	28.22	17.741	
7,875.0	7,863.2	7,883.7	7,863.1	13.4	15.8	104.34	-10.0	324.6	500.6	472.3	28.25	17.719	
7,900.0	7,888.2	7,908.7	7,888.1	13.4	15.9	104.34	-10.0	324.6	500.6	472.3	28.29	17.697	
7,925.0	7,913.2	7,933.7	7,913.1	13.4	15.9	104.34	-10.0	324.6	500.6	472.3	28.32	17.675	
7,950.0	7,938.2	7,958.7	7,938.1	13.4	15.9	104.34	-10.0	324.6	500.6	472.2	28.36	17.653	
7,975.0	7,963.2	7,983.7	7,963.1	13.4	15.9	104.34	-10.0	324.6	500.6	472.2	28.39	17.631	
8,000.0	7,988.2	8,008.7	7,988.1	13.5	15.9	104.34	-10.0	324.6	500.6	472.2	28.43	17.609	
8,025.0	8,013.2	8,033.7	8,013.1	13.5	15.9	104.34	-10.0	324.6	500.6	472.1	28.46	17.587	
8,050.0	8,038.2	8,058.7	8,038.1	13.5	15.9	104.34	-10.0	324.6	500.6	472.1	28.50	17.566	
8,075.0	8,063.2	8,083.7	8,063.1	13.5	16.0	104.34	-10.0	324.6	500.6	472.1	28.53	17.544	
8,100.0	8,088.2	8,108.7	8,088.1	13.5	16.0	104.34	-10.0	324.6	500.6	472.0	28.57	17.522	
8,125.0	8,113.2	8,133.7	8,113.1	13.6	16.0	104.34	-10.0	324.6	500.6	472.0	28.60	17.501	
8,150.0	8,138.2	8,158.7	8,138.1	13.6	16.0	104.34	-10.0	324.6	500.6	472.0	28.64	17.479	
8,175.0	8,163.2	8,183.7	8,163.1	13.6	16.0	104.34	-10.0	324.6	500.6	471.9	28.68	17.458	
8,200.0	8,188.2	8,208.7	8,188.1	13.6	16.0	104.34	-10.0	324.6	500.6	471.9	28.71	17.436	
8,225.0	8,213.2	8,233.7	8,213.1	13.6	16.1	104.34	-10.0	324.6	500.6	471.9	28.75	17.415	
8,250.0	8,238.2	8,258.7	8,238.1	13.7	16.1	104.34	-10.0	324.6	500.6	471.8	28.78	17.393	
8,275.0	8,263.2	8,283.7	8,263.1	13.7	16.1	104.34	-10.0	324.6	500.6	471.8	28.82	17.372	
8,300.0	8,288.2	8,308.7	8,288.1	13.7	16.1	104.34	-10.0	324.6	500.6	471.7	28.85	17.351	
8,325.0	8,313.2	8,333.7	8,313.1	13.7	16.1	104.34	-10.0	324.6	500.6	471.7	28.89	17.329	
8,350.0	8,338.2	8,358.7	8,338.1	13.7	16.1	104.34	-10.0	324.6	500.6	471.7	28.92	17.308	
8,375.0	8,363.2	8,383.7	8,363.1	13.8	16.1	104.34	-10.0	324.6	500.6	471.6	28.96	17.287	
8,400.0	8,388.2	8,408.7	8,388.1	13.8	16.2	104.34	-10.0	324.6	500.6	471.6	28.99	17.266	
8,425.0	8,413.2	8,433.7	8,413.1	13.8	16.2	104.34	-10.0	324.6	500.6	471.6	29.03	17.245	
8,450.0	8,438.2	8,458.7	8,438.1	13.8	16.2	104.34	-10.0	324.6	500.6	471.5	29.06	17.224	
8,475.0	8,463.2	8,483.7	8,463.1	13.8	16.2	104.34	-10.0	324.6	500.6	471.5	29.10	17.203	
8,500.0	8,488.2	8,508.7	8,488.1	13.9	16.2	104.34	-10.0	324.6	500.6	471.5	29.14	17.182	
8,525.0	8,513.2	8,533.7	8,513.1	13.9	16.2	104.34	-10.0	324.6	500.6	471.4	29.17	17.161	
8,550.0	8,538.2	8,558.7	8,538.1	13.9	16.2	104.34	-10.0	324.6	500.6	471.4	29.21	17.140	
8,575.0	8,563.2	8,583.7	8,563.1	13.9	16.3	104.34	-10.0	324.6	500.6	471.4	29.24	17.119	
8,600.0	8,588.2	8,608.7	8,588.1	13.9	16.3	104.34	-10.0	324.6	500.6	471.3	29.28	17.099	
8,625.0	8,613.2	8,633.7	8,613.1	14.0	16.3	104.34	-10.0	324.6	500.6	471.3	29.31	17.078	
8,650.0	8,638.2	8,658.7	8,638.1	14.0	16.3	104.34	-10.0	324.6	500.6	471.3	29.35	17.057	
8,675.0	8,663.2	8,683.7	8,663.1	14.0	16.3	104.34	-10.0	324.6	500.6	471.2	29.38	17.037	
8,700.0	8,688.2	8,708.7	8,688.1	14.0	16.3	104.34	-10.0	324.6	500.6	471.2	29.42	17.016	
8,725.0	8,713.2	8,733.7	8,713.1	14.0	16.4	104.34	-10.0	324.6	500.6	471.1	29.45	16.995	
8,750.0	8,738.2	8,758.7	8,738.1	14.1	16.4	104.34	-10.0	324.6	500.6	471.1	29.49	16.975	
8,775.0	8,763.2	8,783.7	8,763.1	14.1	16.4	104.34	-10.0	324.6	500.6	471.1	29.53	16.955	
8,800.0	8,788.2	8,808.7	8,788.1	14.1	16.4	104.34	-10.0	324.6	500.6	471.0	29.56	16.934	
8,825.0	8,813.2	8,833.7	8,813.1	14.1	16.4	104.34	-10.0	324.6	500.6	471.0	29.60	16.914	
8,850.0	8,838.2	8,858.7	8,838.1	14.1	16.4	104.34	-10.0	324.6	500.6	471.0	29.63	16.893	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,883.7	8,863.1	14.2	16.4	104.34	-10.0	324.6	500.6	470.9	29.67	16.873	
8,900.0	8,888.2	8,908.7	8,888.1	14.2	16.5	104.34	-10.0	324.6	500.6	470.9	29.70	16.853	
8,925.0	8,913.2	8,933.7	8,913.1	14.2	16.5	104.34	-10.0	324.6	500.6	470.9	29.74	16.833	
8,950.0	8,938.2	8,958.7	8,938.1	14.2	16.5	104.34	-10.0	324.6	500.6	470.8	29.78	16.812	
8,975.0	8,963.2	8,983.7	8,963.1	14.2	16.5	104.34	-10.0	324.6	500.6	470.8	29.81	16.792	
9,000.0	8,988.2	9,008.7	8,988.1	14.3	16.5	104.34	-10.0	324.6	500.6	470.8	29.85	16.772	
9,025.0	9,013.2	9,033.7	9,013.1	14.3	16.5	104.34	-10.0	324.6	500.6	470.7	29.88	16.752	
9,050.0	9,038.2	9,058.7	9,038.1	14.3	16.6	104.34	-10.0	324.6	500.6	470.7	29.92	16.732	
9,075.0	9,063.2	9,083.7	9,063.1	14.3	16.6	104.34	-10.0	324.6	500.6	470.6	29.95	16.712	
9,100.0	9,088.2	9,108.7	9,088.1	14.3	16.6	104.34	-10.0	324.6	500.6	470.6	29.99	16.692	
9,125.0	9,113.2	9,133.7	9,113.1	14.4	16.6	104.34	-10.0	324.6	500.6	470.6	30.03	16.672	
9,150.0	9,138.2	9,158.7	9,138.1	14.4	16.6	104.34	-10.0	324.6	500.6	470.5	30.06	16.653	
9,175.0	9,163.2	9,183.7	9,163.1	14.4	16.6	104.34	-10.0	324.6	500.6	470.5	30.10	16.633	
9,200.0	9,188.2	9,208.7	9,188.1	14.4	16.7	104.34	-10.0	324.6	500.6	470.5	30.13	16.613	
9,225.0	9,213.2	9,233.7	9,213.1	14.4	16.7	104.34	-10.0	324.6	500.6	470.4	30.17	16.593	
9,250.0	9,238.2	9,258.7	9,238.1	14.5	16.7	104.34	-10.0	324.6	500.6	470.4	30.20	16.574	
9,275.0	9,263.2	9,283.7	9,263.1	14.5	16.7	104.34	-10.0	324.6	500.6	470.4	30.24	16.554	
9,300.0	9,288.2	9,308.7	9,288.1	14.5	16.7	104.34	-10.0	324.6	500.6	470.3	30.28	16.534	
9,325.0	9,313.2	9,333.7	9,313.1	14.5	16.7	104.34	-10.0	324.6	500.6	470.3	30.31	16.515	
9,350.0	9,338.2	9,358.7	9,338.1	14.5	16.7	104.34	-10.0	324.6	500.6	470.3	30.35	16.495	
9,375.0	9,363.2	9,383.7	9,363.1	14.6	16.8	104.34	-10.0	324.6	500.6	470.2	30.38	16.476	
9,400.0	9,388.2	9,408.7	9,388.1	14.6	16.8	104.34	-10.0	324.6	500.6	470.2	30.42	16.456	
9,425.0	9,413.2	9,433.7	9,413.1	14.6	16.8	104.34	-10.0	324.6	500.6	470.1	30.46	16.437	
9,450.0	9,438.2	9,458.7	9,438.1	14.6	16.8	104.34	-10.0	324.6	500.6	470.1	30.49	16.418	
9,475.0	9,463.2	9,483.7	9,463.1	14.6	16.8	104.34	-10.0	324.6	500.6	470.1	30.53	16.398	
9,500.0	9,488.2	9,508.7	9,488.1	14.7	16.8	104.34	-10.0	324.6	500.6	470.0	30.56	16.379	
9,525.0	9,513.2	9,533.7	9,513.1	14.7	16.9	104.34	-10.0	324.6	500.6	470.0	30.60	16.360	
9,550.0	9,538.2	9,558.7	9,538.1	14.7	16.9	104.34	-10.0	324.6	500.6	470.0	30.64	16.341	
9,575.0	9,563.2	9,583.7	9,563.1	14.7	16.9	104.34	-10.0	324.6	500.6	469.9	30.67	16.321	
9,600.0	9,588.2	9,608.7	9,588.1	14.7	16.9	104.34	-10.0	324.6	500.6	469.9	30.71	16.302	
9,625.0	9,613.2	9,633.7	9,613.1	14.8	16.9	104.34	-10.0	324.6	500.6	469.9	30.74	16.283	
9,650.0	9,638.2	9,658.7	9,638.1	14.8	16.9	104.34	-10.0	324.6	500.6	469.8	30.78	16.264	
9,675.0	9,663.2	9,683.7	9,663.1	14.8	16.9	104.34	-10.0	324.6	500.6	469.8	30.82	16.245	
9,700.0	9,688.2	9,708.7	9,688.1	14.8	17.0	104.34	-10.0	324.6	500.6	469.7	30.85	16.226	
9,725.0	9,713.2	9,733.7	9,713.1	14.8	17.0	104.34	-10.0	324.6	500.6	469.7	30.89	16.207	
9,750.0	9,738.2	9,758.7	9,738.1	14.9	17.0	104.34	-10.0	324.6	500.6	469.7	30.92	16.188	
9,775.0	9,763.2	9,783.7	9,763.1	14.9	17.0	104.34	-10.0	324.6	500.6	469.6	30.96	16.169	
9,800.0	9,788.2	9,808.7	9,788.1	14.9	17.0	104.34	-10.0	324.6	500.6	469.6	31.00	16.151	
9,825.0	9,813.2	9,833.7	9,813.1	14.9	17.0	104.34	-10.0	324.6	500.6	469.6	31.03	16.132	
9,850.0	9,838.2	9,858.7	9,838.1	14.9	17.1	104.34	-10.0	324.6	500.6	469.5	31.07	16.113	
9,875.0	9,863.2	9,883.7	9,863.1	15.0	17.1	104.34	-10.0	324.6	500.6	469.5	31.10	16.094	
9,900.0	9,888.2	9,908.7	9,888.1	15.0	17.1	104.34	-10.0	324.6	500.6	469.5	31.14	16.076	
9,925.0	9,913.2	9,933.7	9,913.1	15.0	17.1	104.34	-10.0	324.6	500.6	469.4	31.18	16.057	
9,950.0	9,938.2	9,958.7	9,938.1	15.0	17.1	104.34	-10.0	324.6	500.6	469.4	31.21	16.039	
9,975.0	9,963.2	9,983.7	9,963.1	15.0	17.1	104.34	-10.0	324.6	500.6	469.4	31.25	16.020	
10,000.0	9,988.2	10,008.7	9,988.1	15.1	17.2	104.34	-10.0	324.6	500.6	469.3	31.28	16.001	
10,000.4	9,988.6	10,009.1	9,988.5	15.1	17.2	104.34	-10.0	324.6	500.6	469.3	31.29	16.001	
10,025.0	10,013.2	10,033.7	10,013.1	15.1	17.2	104.46	-10.0	324.6	500.8	469.5	31.31	15.996	
10,050.0	10,038.1	10,058.6	10,038.0	15.1	17.2	104.62	-10.0	324.6	501.2	469.9	31.32	16.004	
10,075.0	10,062.9	10,083.4	10,062.8	15.1	17.2	104.88	-10.0	324.6	502.1	470.8	31.33	16.026	
10,100.0	10,087.5	10,108.0	10,087.4	15.1	17.2	105.23	-10.0	324.6	503.3	471.9	31.33	16.061	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,111.8	10,132.3	10,111.7	15.1	17.2	105.67	-10.0	324.6	504.9	473.5	31.33	16.112	
10,150.0	10,135.8	10,156.3	10,135.7	15.1	17.2	106.17	-10.0	324.6	506.9	475.6	31.33	16.179	
10,175.0	10,159.3	10,179.9	10,159.2	15.1	17.3	106.74	-10.0	324.6	509.4	478.1	31.32	16.264	
10,200.0	10,182.4	10,203.0	10,182.3	15.1	17.3	107.34	-10.0	324.6	512.4	481.1	31.30	16.369	
10,225.0	10,205.0	10,225.5	10,204.9	15.1	17.3	107.97	-10.0	324.6	516.0	484.7	31.28	16.494	
10,250.0	10,227.0	10,247.5	10,226.9	15.1	17.3	108.60	-10.0	324.6	520.2	488.9	31.25	16.643	
10,275.0	10,248.3	10,268.8	10,248.2	15.2	17.3	109.22	-10.0	324.6	525.0	493.8	31.22	16.817	
10,300.0	10,268.9	10,289.4	10,268.8	15.2	17.3	109.79	-10.0	324.6	530.6	499.4	31.18	17.018	
10,325.0	10,288.8	10,311.2	10,290.6	15.2	17.4	110.43	-10.0	324.6	537.0	505.8	31.13	17.249	
10,350.0	10,307.8	10,350.8	10,330.1	15.2	17.4	112.13	-8.0	324.6	543.7	512.6	31.07	17.498	
10,375.0	10,325.9	10,394.1	10,373.0	15.2	17.4	113.88	-2.1	324.6	550.4	519.4	31.06	17.721	
10,400.0	10,343.1	10,441.7	10,419.3	15.2	17.4	115.67	8.8	324.6	557.1	525.9	31.13	17.893	
10,425.0	10,359.4	10,494.1	10,468.7	15.2	17.4	117.46	26.1	324.6	563.4	532.0	31.31	17.992	
10,450.0	10,374.6	10,551.8	10,520.6	15.2	17.4	119.20	51.3	324.5	569.1	537.5	31.63	17.995	
10,475.0	10,388.8	10,615.1	10,573.6	15.3	17.4	120.80	85.9	324.5	574.2	542.1	32.09	17.891	
10,500.0	10,401.9	10,669.7	10,615.2	15.3	17.4	121.81	121.2	324.4	578.2	545.7	32.52	17.783	
10,525.0	10,413.8	10,743.9	10,664.8	15.3	17.4	122.92	176.2	324.4	581.0	547.8	33.21	17.494	
10,550.0	10,424.6	10,819.2	10,705.8	15.3	17.5	123.54	239.2	324.3	582.5	548.6	33.90	17.179	
10,575.0	10,434.2	10,910.3	10,741.6	15.3	17.6	123.60	322.8	324.2	582.4	547.8	34.66	16.803	
10,600.0	10,442.5	10,986.3	10,758.8	15.4	17.7	123.05	396.8	324.1	580.9	545.8	35.08	16.557	
10,625.0	10,449.7	11,045.6	10,763.7	15.4	17.7	122.31	455.9	324.1	577.9	542.6	35.25	16.392	
10,650.0	10,455.5	11,079.0	10,764.3	15.4	17.8	121.98	489.2	324.0	574.9	539.6	35.28	16.293	
10,675.0	10,460.1	11,103.6	10,764.5	15.4	17.9	121.85	513.9	324.0	572.6	537.3	35.30	16.219	
10,700.0	10,463.4	11,128.4	10,764.8	15.5	17.9	121.76	538.7	324.0	571.0	535.6	35.35	16.154	
10,725.0	10,465.4	11,153.3	10,765.0	15.5	18.0	121.71	563.6	323.9	570.1	534.6	35.41	16.100	
10,745.4	10,466.0	11,173.7	10,765.2	15.5	18.0	121.69	584.0	323.9	569.8	534.4	35.47	16.064	
10,750.0	10,466.0	11,178.3	10,765.3	15.5	18.0	121.69	588.6	323.9	569.8	534.3	35.49	16.057	
10,775.0	10,466.3	11,203.3	10,765.5	15.6	18.1	121.69	613.6	323.9	569.8	534.2	35.58	16.017	
10,800.0	10,466.6	11,228.3	10,765.8	15.6	18.1	121.69	638.6	323.8	569.8	534.1	35.67	15.974	
10,825.0	10,466.8	11,253.3	10,766.1	15.6	18.2	121.69	663.6	323.8	569.8	534.0	35.77	15.928	
10,850.0	10,467.1	11,278.3	10,766.3	15.7	18.3	121.69	688.6	323.8	569.8	533.9	35.88	15.882	
10,875.0	10,467.4	11,303.3	10,766.6	15.7	18.3	121.69	713.6	323.8	569.8	533.8	35.98	15.836	
10,900.0	10,467.6	11,328.3	10,766.8	15.8	18.4	121.69	738.6	323.7	569.8	533.7	36.09	15.787	
10,925.0	10,467.9	11,353.3	10,767.1	15.9	18.5	121.69	763.6	323.7	569.8	533.6	36.21	15.736	
10,950.0	10,468.1	11,378.3	10,767.3	15.9	18.6	121.69	788.6	323.7	569.8	533.5	36.33	15.685	
10,975.0	10,468.4	11,403.3	10,767.6	16.0	18.6	121.69	813.6	323.6	569.8	533.4	36.45	15.633	
11,000.0	10,468.7	11,428.3	10,767.8	16.0	18.7	121.69	838.6	323.6	569.8	533.2	36.57	15.580	
11,025.0	10,468.9	11,453.3	10,768.1	16.1	18.8	121.69	863.6	323.6	569.8	533.1	36.71	15.523	
11,050.0	10,469.2	11,478.3	10,768.4	16.2	18.9	121.69	888.6	323.6	569.8	533.0	36.84	15.468	
11,075.0	10,469.4	11,503.3	10,768.6	16.3	19.0	121.68	913.6	323.5	569.8	532.8	36.97	15.412	
11,100.0	10,469.7	11,528.3	10,768.9	16.3	19.1	121.68	938.6	323.5	569.8	532.7	37.11	15.354	
11,125.0	10,470.0	11,553.3	10,769.1	16.4	19.1	121.68	963.6	323.5	569.8	532.5	37.26	15.294	
11,150.0	10,470.2	11,578.3	10,769.4	16.5	19.2	121.68	988.6	323.4	569.8	532.4	37.40	15.234	
11,175.0	10,470.5	11,603.3	10,769.6	16.6	19.3	121.68	1,013.6	323.4	569.8	532.2	37.55	15.175	
11,200.0	10,470.8	11,628.3	10,769.9	16.7	19.4	121.68	1,038.6	323.4	569.8	532.1	37.70	15.113	
11,225.0	10,471.0	11,653.3	10,770.1	16.8	19.5	121.68	1,063.6	323.3	569.8	531.9	37.86	15.050	
11,250.0	10,471.3	11,678.3	10,770.4	16.9	19.6	121.68	1,088.6	323.3	569.8	531.7	38.02	14.987	
11,275.0	10,471.5	11,703.3	10,770.7	17.0	19.7	121.68	1,113.6	323.3	569.8	531.6	38.18	14.924	
11,300.0	10,471.8	11,728.3	10,770.9	17.1	19.8	121.68	1,138.6	323.3	569.8	531.4	38.34	14.860	
11,325.0	10,472.1	11,753.3	10,771.2	17.2	19.9	121.68	1,163.6	323.2	569.8	531.2	38.51	14.794	
11,350.0	10,472.3	11,778.3	10,771.4	17.3	20.1	121.68	1,188.6	323.2	569.8	531.1	38.68	14.729	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,375.0	10,472.6	11,803.3	10,771.7	17.4	20.2	121.68	1,213.6	323.2	569.8	530.9	38.86	14.663	
11,400.0	10,472.8	11,828.3	10,771.9	17.5	20.3	121.68	1,238.6	323.1	569.7	530.7	39.03	14.597	
11,425.0	10,473.1	11,853.3	10,772.2	17.6	20.4	121.68	1,263.6	323.1	569.7	530.5	39.21	14.529	
11,450.0	10,473.4	11,878.3	10,772.4	17.8	20.5	121.68	1,288.6	323.1	569.7	530.3	39.40	14.461	
11,475.0	10,473.6	11,903.3	10,772.7	17.9	20.6	121.68	1,313.6	323.1	569.7	530.2	39.58	14.394	
11,500.0	10,473.9	11,928.3	10,773.0	18.0	20.7	121.68	1,338.6	323.0	569.7	530.0	39.77	14.326	
11,525.0	10,474.1	11,953.3	10,773.2	18.1	20.9	121.68	1,363.6	323.0	569.7	529.8	39.96	14.257	
11,550.0	10,474.4	11,978.3	10,773.5	18.3	21.0	121.68	1,388.6	323.0	569.7	529.6	40.16	14.188	
11,575.0	10,474.7	12,003.3	10,773.7	18.4	21.1	121.67	1,413.6	322.9	569.7	529.4	40.35	14.120	
11,600.0	10,474.9	12,028.3	10,774.0	18.5	21.2	121.67	1,438.6	322.9	569.7	529.2	40.55	14.050	
11,625.0	10,475.2	12,053.3	10,774.2	18.6	21.3	121.67	1,463.6	322.9	569.7	529.0	40.75	13.980	
11,650.0	10,475.5	12,078.3	10,774.5	18.8	21.5	121.67	1,488.6	322.9	569.7	528.8	40.96	13.910	
11,675.0	10,475.7	12,103.3	10,774.7	18.9	21.6	121.67	1,513.6	322.8	569.7	528.6	41.16	13.841	
11,700.0	10,476.0	12,128.3	10,775.0	19.0	21.7	121.67	1,538.5	322.8	569.7	528.3	41.37	13.771	
11,725.0	10,476.2	12,153.3	10,775.3	19.2	21.9	121.67	1,563.5	322.8	569.7	528.1	41.58	13.700	
11,750.0	10,476.5	12,178.3	10,775.5	19.3	22.0	121.67	1,588.5	322.7	569.7	527.9	41.80	13.630	
11,775.0	10,476.8	12,203.3	10,775.8	19.5	22.1	121.67	1,613.5	322.7	569.7	527.7	42.01	13.561	
11,800.0	10,477.0	12,228.3	10,776.0	19.6	22.3	121.67	1,638.5	322.7	569.7	527.5	42.23	13.490	
11,825.0	10,477.3	12,253.3	10,776.3	19.8	22.4	121.67	1,663.5	322.6	569.7	527.2	42.45	13.420	
11,850.0	10,477.5	12,278.3	10,776.5	19.9	22.5	121.67	1,688.5	322.6	569.7	527.0	42.68	13.350	
11,875.0	10,477.8	12,303.3	10,776.8	20.0	22.7	121.67	1,713.5	322.6	569.7	526.8	42.90	13.280	
11,900.0	10,478.1	12,328.3	10,777.0	20.2	22.8	121.67	1,738.5	322.6	569.7	526.6	43.13	13.210	
11,925.0	10,478.3	12,353.3	10,777.3	20.3	23.0	121.67	1,763.5	322.5	569.7	526.3	43.36	13.139	
11,950.0	10,478.6	12,378.3	10,777.6	20.5	23.1	121.67	1,788.5	322.5	569.7	526.1	43.59	13.070	
11,975.0	10,478.9	12,403.3	10,777.8	20.6	23.2	121.67	1,813.5	322.5	569.7	525.9	43.82	13.000	
12,000.0	10,479.1	12,428.3	10,778.1	20.8	23.4	121.67	1,838.5	322.4	569.7	525.6	44.06	12.931	
12,025.0	10,479.4	12,453.3	10,778.3	21.0	23.5	121.67	1,863.5	322.4	569.7	525.4	44.30	12.861	
12,050.0	10,479.6	12,478.3	10,778.6	21.1	23.7	121.67	1,888.5	322.4	569.7	525.1	44.54	12.792	
12,075.0	10,479.9	12,503.3	10,778.8	21.3	23.8	121.66	1,913.5	322.4	569.7	524.9	44.78	12.723	
12,100.0	10,480.2	12,528.3	10,779.1	21.4	24.0	121.66	1,938.5	322.3	569.7	524.6	45.02	12.654	
12,125.0	10,480.4	12,553.3	10,779.3	21.6	24.1	121.66	1,963.5	322.3	569.7	524.4	45.27	12.585	
12,150.0	10,480.7	12,578.3	10,779.6	21.7	24.3	121.66	1,988.5	322.3	569.7	524.1	45.51	12.517	
12,175.0	10,480.9	12,603.3	10,779.9	21.9	24.4	121.66	2,013.5	322.2	569.7	523.9	45.76	12.449	
12,200.0	10,481.2	12,628.3	10,780.1	22.1	24.6	121.66	2,038.5	322.2	569.7	523.6	46.01	12.381	
12,225.0	10,481.5	12,653.3	10,780.4	22.2	24.7	121.66	2,063.5	322.2	569.7	523.4	46.26	12.313	
12,250.0	10,481.7	12,678.3	10,780.6	22.4	24.9	121.66	2,088.5	322.2	569.6	523.1	46.52	12.246	
12,275.0	10,482.0	12,703.3	10,780.9	22.6	25.0	121.66	2,113.5	322.1	569.6	522.9	46.77	12.179	
12,300.0	10,482.3	12,728.3	10,781.1	22.7	25.2	121.66	2,138.5	322.1	569.6	522.6	47.03	12.112	
12,325.0	10,482.5	12,753.3	10,781.4	22.9	25.4	121.66	2,163.5	322.1	569.6	522.3	47.29	12.045	
12,350.0	10,482.8	12,778.3	10,781.6	23.0	25.5	121.66	2,188.5	322.0	569.6	522.1	47.55	11.979	
12,375.0	10,483.0	12,803.3	10,781.9	23.2	25.7	121.66	2,213.5	322.0	569.6	521.8	47.81	11.914	
12,400.0	10,483.3	12,828.3	10,782.2	23.4	25.8	121.66	2,238.5	322.0	569.6	521.6	48.08	11.848	
12,425.0	10,483.6	12,853.3	10,782.4	23.6	26.0	121.66	2,263.5	321.9	569.6	521.3	48.34	11.783	
12,450.0	10,483.8	12,878.3	10,782.7	23.7	26.2	121.66	2,288.5	321.9	569.6	521.0	48.61	11.718	
12,475.0	10,484.1	12,903.3	10,782.9	23.9	26.3	121.66	2,313.5	321.9	569.6	520.7	48.88	11.654	
12,500.0	10,484.3	12,928.3	10,783.2	24.1	26.5	121.66	2,338.5	321.9	569.6	520.5	49.15	11.590	
12,525.0	10,484.6	12,953.3	10,783.4	24.2	26.6	121.66	2,363.5	321.8	569.6	520.2	49.42	11.526	
12,550.0	10,484.9	12,978.3	10,783.7	24.4	26.8	121.66	2,388.5	321.8	569.6	519.9	49.69	11.462	
12,575.0	10,485.1	13,003.3	10,783.9	24.6	27.0	121.65	2,413.5	321.8	569.6	519.6	49.97	11.400	
12,600.0	10,485.4	13,028.3	10,784.2	24.8	27.1	121.65	2,438.5	321.7	569.6	519.4	50.24	11.337	
12,625.0	10,485.6	13,053.3	10,784.5	24.9	27.3	121.65	2,463.5	321.7	569.6	519.1	50.52	11.275	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,650.0	10,485.9	13,078.3	10,784.7	25.1	27.5	121.65	2,488.5	321.7	569.6	518.8	50.80	11.213	
12,675.0	10,486.2	13,103.3	10,785.0	25.3	27.6	121.65	2,513.5	321.7	569.6	518.5	51.08	11.152	
12,700.0	10,486.4	13,128.3	10,785.2	25.5	27.8	121.65	2,538.5	321.6	569.6	518.2	51.36	11.091	
12,725.0	10,486.7	13,153.3	10,785.5	25.6	28.0	121.65	2,563.5	321.6	569.6	518.0	51.64	11.030	
12,750.0	10,487.0	13,178.3	10,785.7	25.8	28.1	121.65	2,588.5	321.6	569.6	517.7	51.92	10.970	
12,775.0	10,487.2	13,203.3	10,786.0	26.0	28.3	121.65	2,613.5	321.5	569.6	517.4	52.21	10.910	
12,800.0	10,487.5	13,228.3	10,786.2	26.2	28.5	121.65	2,638.5	321.5	569.6	517.1	52.49	10.851	
12,825.0	10,487.7	13,253.3	10,786.5	26.3	28.7	121.65	2,663.5	321.5	569.6	516.8	52.78	10.791	
12,850.0	10,488.0	13,278.3	10,786.8	26.5	28.8	121.65	2,688.5	321.5	569.6	516.5	53.07	10.733	
12,875.0	10,488.3	13,303.3	10,787.0	26.7	29.0	121.65	2,713.5	321.4	569.6	516.2	53.36	10.675	
12,900.0	10,488.5	13,328.3	10,787.3	26.9	29.2	121.65	2,738.5	321.4	569.6	515.9	53.65	10.617	
12,925.0	10,488.8	13,353.3	10,787.5	27.1	29.3	121.65	2,763.5	321.4	569.6	515.6	53.94	10.559	
12,950.0	10,489.0	13,378.3	10,787.8	27.3	29.5	121.65	2,788.5	321.3	569.6	515.3	54.23	10.502	
12,975.0	10,489.3	13,403.3	10,788.0	27.4	29.7	121.65	2,813.5	321.3	569.6	515.0	54.53	10.446	
13,000.0	10,489.6	13,428.3	10,788.3	27.6	29.9	121.65	2,838.5	321.3	569.6	514.7	54.82	10.390	
13,025.0	10,489.8	13,453.3	10,788.5	27.8	30.0	121.65	2,863.5	321.2	569.6	514.4	55.12	10.334	
13,050.0	10,490.1	13,478.3	10,788.8	28.0	30.2	121.64	2,888.5	321.2	569.6	514.1	55.41	10.278	
13,075.0	10,490.4	13,503.3	10,789.0	28.2	30.4	121.64	2,913.5	321.2	569.5	513.8	55.71	10.224	
13,100.0	10,490.6	13,528.3	10,789.3	28.4	30.6	121.64	2,938.5	321.2	569.5	513.5	56.01	10.169	
13,125.0	10,490.9	13,553.3	10,789.6	28.5	30.7	121.64	2,963.5	321.1	569.5	513.2	56.31	10.115	
13,150.0	10,491.1	13,578.3	10,789.8	28.7	30.9	121.64	2,988.5	321.1	569.5	512.9	56.61	10.061	
13,175.0	10,491.4	13,603.3	10,790.1	28.9	31.1	121.64	3,013.5	321.1	569.5	512.6	56.91	10.008	
13,200.0	10,491.7	13,628.3	10,790.3	29.1	31.3	121.64	3,038.5	321.0	569.5	512.3	57.21	9.955	
13,225.0	10,491.9	13,653.3	10,790.6	29.3	31.5	121.64	3,063.5	321.0	569.5	512.0	57.52	9.902	
13,250.0	10,492.2	13,678.3	10,790.8	29.5	31.6	121.64	3,088.5	321.0	569.5	511.7	57.82	9.850	
13,275.0	10,492.4	13,703.3	10,791.1	29.7	31.8	121.64	3,113.5	321.0	569.5	511.4	58.12	9.798	
13,300.0	10,492.7	13,728.3	10,791.3	29.8	32.0	121.64	3,138.5	320.9	569.5	511.1	58.43	9.747	
13,325.0	10,493.0	13,753.3	10,791.6	30.0	32.2	121.64	3,163.5	320.9	569.5	510.8	58.74	9.696	
13,350.0	10,493.2	13,778.3	10,791.9	30.2	32.4	121.64	3,188.5	320.9	569.5	510.5	59.05	9.645	
13,375.0	10,493.5	13,803.3	10,792.1	30.4	32.5	121.64	3,213.5	320.8	569.5	510.2	59.35	9.595	
13,400.0	10,493.8	13,828.3	10,792.4	30.6	32.7	121.64	3,238.5	320.8	569.5	509.8	59.66	9.545	
13,425.0	10,494.0	13,853.3	10,792.6	30.8	32.9	121.64	3,263.5	320.8	569.5	509.5	59.97	9.496	
13,450.0	10,494.3	13,878.3	10,792.9	31.0	33.1	121.64	3,288.5	320.8	569.5	509.2	60.28	9.447	
13,475.0	10,494.5	13,903.3	10,793.1	31.2	33.3	121.64	3,313.5	320.7	569.5	508.9	60.60	9.398	
13,500.0	10,494.8	13,928.3	10,793.4	31.4	33.5	121.64	3,338.5	320.7	569.5	508.6	60.91	9.350	
13,525.0	10,495.1	13,953.3	10,793.6	31.5	33.6	121.64	3,363.5	320.7	569.5	508.3	61.22	9.302	
13,550.0	10,495.3	13,978.3	10,793.9	31.7	33.8	121.63	3,388.5	320.6	569.5	508.0	61.54	9.255	
13,575.0	10,495.6	14,003.3	10,794.2	31.9	34.0	121.63	3,413.5	320.6	569.5	507.6	61.85	9.208	
13,600.0	10,495.8	14,028.3	10,794.4	32.1	34.2	121.63	3,438.4	320.6	569.5	507.3	62.16	9.161	
13,625.0	10,496.1	14,053.3	10,794.7	32.3	34.4	121.63	3,463.4	320.6	569.5	507.0	62.48	9.114	
13,650.0	10,496.4	14,078.3	10,794.9	32.5	34.6	121.63	3,488.4	320.5	569.5	506.7	62.80	9.068	
13,675.0	10,496.6	14,103.3	10,795.2	32.7	34.8	121.63	3,513.4	320.5	569.5	506.4	63.11	9.023	
13,700.0	10,496.9	14,128.3	10,795.4	32.9	34.9	121.63	3,538.4	320.5	569.5	506.0	63.43	8.978	
13,725.0	10,497.1	14,153.3	10,795.7	33.1	35.1	121.63	3,563.4	320.4	569.5	505.7	63.75	8.933	
13,750.0	10,497.4	14,178.3	10,795.9	33.3	35.3	121.63	3,588.4	320.4	569.5	505.4	64.07	8.888	
13,775.0	10,497.7	14,203.3	10,796.2	33.5	35.5	121.63	3,613.4	320.4	569.5	505.1	64.39	8.844	
13,800.0	10,497.9	14,228.3	10,796.5	33.7	35.7	121.63	3,638.4	320.3	569.5	504.8	64.71	8.800	
13,825.0	10,498.2	14,253.3	10,796.7	33.9	35.9	121.63	3,663.4	320.3	569.5	504.4	65.03	8.756	
13,850.0	10,498.5	14,278.3	10,797.0	34.1	36.1	121.63	3,688.4	320.3	569.5	504.1	65.36	8.713	
13,875.0	10,498.7	14,303.3	10,797.2	34.2	36.3	121.63	3,713.4	320.3	569.5	503.8	65.68	8.670	
13,900.0	10,499.0	14,328.3	10,797.5	34.4	36.4	121.63	3,738.4	320.2	569.5	503.5	66.00	8.628	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,925.0	10,499.2	14,353.3	10,797.7	34.6	36.6	121.63	3,763.4	320.2	569.4	503.1	66.33	8.586	
13,950.0	10,499.5	14,378.3	10,798.0	34.8	36.8	121.63	3,788.4	320.2	569.4	502.8	66.65	8.544	
13,975.0	10,499.8	14,403.3	10,798.2	35.0	37.0	121.63	3,813.4	320.1	569.4	502.5	66.97	8.502	
14,000.0	10,500.0	14,428.3	10,798.5	35.2	37.2	121.63	3,838.4	320.1	569.4	502.1	67.30	8.461	
14,025.0	10,500.3	14,453.3	10,798.8	35.4	37.4	121.63	3,863.4	320.1	569.4	501.8	67.63	8.420	
14,050.0	10,500.5	14,478.3	10,799.0	35.6	37.6	121.62	3,888.4	320.1	569.4	501.5	67.95	8.380	
14,075.0	10,500.8	14,503.3	10,799.3	35.8	37.8	121.62	3,913.4	320.0	569.4	501.2	68.28	8.340	
14,100.0	10,501.1	14,528.3	10,799.5	36.0	38.0	121.62	3,938.4	320.0	569.4	500.8	68.61	8.300	
14,125.0	10,501.3	14,553.3	10,799.8	36.2	38.2	121.62	3,963.4	320.0	569.4	500.5	68.94	8.260	
14,150.0	10,501.6	14,578.3	10,800.0	36.4	38.3	121.62	3,988.4	319.9	569.4	500.2	69.26	8.221	
14,175.0	10,501.9	14,603.3	10,800.3	36.6	38.5	121.62	4,013.4	319.9	569.4	499.8	69.59	8.182	
14,200.0	10,502.1	14,628.3	10,800.5	36.8	38.7	121.62	4,038.4	319.9	569.4	499.5	69.92	8.144	
14,225.0	10,502.4	14,653.3	10,800.8	37.0	38.9	121.62	4,063.4	319.9	569.4	499.2	70.25	8.105	
14,250.0	10,502.6	14,678.3	10,801.1	37.2	39.1	121.62	4,088.4	319.8	569.4	498.8	70.58	8.067	
14,275.0	10,502.9	14,703.3	10,801.3	37.4	39.3	121.62	4,113.4	319.8	569.4	498.5	70.91	8.030	
14,300.0	10,503.2	14,728.3	10,801.6	37.6	39.5	121.62	4,138.4	319.8	569.4	498.2	71.25	7.992	
14,325.0	10,503.4	14,753.3	10,801.8	37.8	39.7	121.62	4,163.4	319.7	569.4	497.8	71.58	7.955	
14,350.0	10,503.7	14,778.3	10,802.1	38.0	39.9	121.62	4,188.4	319.7	569.4	497.5	71.91	7.918	
14,375.0	10,503.9	14,803.3	10,802.3	38.2	40.1	121.62	4,213.4	319.7	569.4	497.2	72.24	7.882	
14,400.0	10,504.2	14,828.3	10,802.6	38.4	40.3	121.62	4,238.4	319.6	569.4	496.8	72.58	7.845	
14,425.0	10,504.5	14,853.3	10,802.8	38.6	40.5	121.62	4,263.4	319.6	569.4	496.5	72.91	7.809	
14,450.0	10,504.7	14,878.3	10,803.1	38.8	40.7	121.62	4,288.4	319.6	569.4	496.1	73.25	7.774	
14,475.0	10,505.0	14,903.3	10,803.4	39.0	40.9	121.62	4,313.4	319.6	569.4	495.8	73.58	7.738	
14,500.0	10,505.3	14,928.3	10,803.6	39.2	41.0	121.62	4,338.4	319.5	569.4	495.5	73.92	7.703	
14,525.0	10,505.5	14,953.3	10,803.9	39.4	41.2	121.62	4,363.4	319.5	569.4	495.1	74.25	7.668	
14,550.0	10,505.8	14,978.3	10,804.1	39.6	41.4	121.61	4,388.4	319.5	569.4	494.8	74.59	7.634	
14,575.0	10,506.0	15,003.3	10,804.4	39.8	41.6	121.61	4,413.4	319.4	569.4	494.4	74.92	7.599	
14,600.0	10,506.3	15,028.3	10,804.6	40.0	41.8	121.61	4,438.4	319.4	569.4	494.1	75.26	7.565	
14,625.0	10,506.6	15,053.3	10,804.9	40.2	42.0	121.61	4,463.4	319.4	569.4	493.8	75.60	7.532	
14,650.0	10,506.8	15,078.3	10,805.1	40.4	42.2	121.61	4,488.4	319.4	569.4	493.4	75.94	7.498	
14,675.0	10,507.1	15,103.3	10,805.4	40.6	42.4	121.61	4,513.4	319.3	569.4	493.1	76.27	7.465	
14,700.0	10,507.3	15,128.3	10,805.7	40.8	42.6	121.61	4,538.4	319.3	569.4	492.7	76.61	7.432	
14,725.0	10,507.6	15,153.3	10,805.9	41.0	42.8	121.61	4,563.4	319.3	569.4	492.4	76.95	7.399	
14,750.0	10,507.9	15,178.3	10,806.2	41.2	43.0	121.61	4,588.4	319.2	569.4	492.1	77.29	7.366	
14,775.0	10,508.1	15,203.3	10,806.4	41.4	43.2	121.61	4,613.4	319.2	569.3	491.7	77.63	7.334	
14,800.0	10,508.4	15,228.3	10,806.7	41.6	43.4	121.61	4,638.4	319.2	569.3	491.4	77.97	7.302	
14,825.0	10,508.6	15,253.3	10,806.9	41.8	43.6	121.61	4,663.4	319.2	569.3	491.0	78.31	7.270	
14,850.0	10,508.9	15,278.3	10,807.2	42.0	43.8	121.61	4,688.4	319.1	569.3	490.7	78.65	7.239	
14,875.0	10,509.2	15,303.3	10,807.4	42.2	44.0	121.61	4,713.4	319.1	569.3	490.3	78.99	7.208	
14,900.0	10,509.4	15,328.3	10,807.7	42.4	44.2	121.61	4,738.4	319.1	569.3	490.0	79.33	7.177	
14,925.0	10,509.7	15,353.3	10,808.0	42.6	44.4	121.61	4,763.4	319.0	569.3	489.7	79.67	7.146	
14,950.0	10,510.0	15,378.3	10,808.2	42.8	44.6	121.61	4,788.4	319.0	569.3	489.3	80.02	7.115	
14,975.0	10,510.2	15,403.3	10,808.5	43.0	44.8	121.61	4,813.4	319.0	569.3	489.0	80.36	7.085	
15,000.0	10,510.5	15,428.3	10,808.7	43.2	45.0	121.61	4,838.4	318.9	569.3	488.6	80.70	7.055	
15,025.0	10,510.7	15,453.3	10,809.0	43.4	45.2	121.60	4,863.4	318.9	569.3	488.3	81.04	7.025	
15,050.0	10,511.0	15,478.3	10,809.2	43.6	45.4	121.60	4,888.4	318.9	569.3	487.9	81.39	6.995	
15,075.0	10,511.3	15,503.3	10,809.5	43.8	45.6	121.60	4,913.4	318.9	569.3	487.6	81.73	6.966	
15,100.0	10,511.5	15,528.3	10,809.7	44.0	45.8	121.60	4,938.4	318.8	569.3	487.2	82.07	6.937	
15,125.0	10,511.8	15,553.3	10,810.0	44.2	46.0	121.60	4,963.4	318.8	569.3	486.9	82.42	6.907	
15,150.0	10,512.0	15,578.3	10,810.3	44.4	46.2	121.60	4,988.4	318.8	569.3	486.5	82.76	6.879	
15,175.0	10,512.3	15,603.3	10,810.5	44.6	46.4	121.60	5,013.4	318.7	569.3	486.2	83.11	6.850	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,200.0	10,512.6	15,628.3	10,810.8	44.8	46.6	121.60	5,038.4	318.7	569.3	485.8	83.45	6.822	
15,225.0	10,512.8	15,653.3	10,811.0	45.0	46.8	121.60	5,063.4	318.7	569.3	485.5	83.80	6.794	
15,250.0	10,513.1	15,678.3	10,811.3	45.2	47.0	121.60	5,088.4	318.7	569.3	485.1	84.14	6.766	
15,275.0	10,513.4	15,703.3	10,811.5	45.4	47.2	121.60	5,113.4	318.6	569.3	484.8	84.49	6.738	
15,300.0	10,513.6	15,728.3	10,811.8	45.6	47.4	121.60	5,138.4	318.6	569.3	484.4	84.84	6.710	
15,325.0	10,513.9	15,753.3	10,812.0	45.8	47.6	121.60	5,163.4	318.6	569.3	484.1	85.18	6.683	
15,350.0	10,514.1	15,778.3	10,812.3	46.0	47.8	121.60	5,188.4	318.5	569.3	483.8	85.53	6.656	
15,375.0	10,514.4	15,803.3	10,812.6	46.2	48.0	121.60	5,213.4	318.5	569.3	483.4	85.88	6.629	
15,400.0	10,514.7	15,828.3	10,812.8	46.4	48.2	121.60	5,238.4	318.5	569.3	483.1	86.22	6.602	
15,425.0	10,514.9	15,853.3	10,813.1	46.6	48.4	121.60	5,263.4	318.5	569.3	482.7	86.57	6.576	
15,450.0	10,515.2	15,878.3	10,813.3	46.8	48.6	121.60	5,288.4	318.4	569.3	482.3	86.92	6.549	
15,475.0	10,515.4	15,903.3	10,813.6	47.0	48.8	121.60	5,313.4	318.4	569.3	482.0	87.27	6.523	
15,500.0	10,515.7	15,928.3	10,813.8	47.3	49.0	121.60	5,338.3	318.4	569.3	481.6	87.62	6.497	
15,525.0	10,516.0	15,953.3	10,814.1	47.5	49.2	121.59	5,363.3	318.3	569.3	481.3	87.96	6.471	
15,550.0	10,516.2	15,978.3	10,814.3	47.7	49.4	121.59	5,388.3	318.3	569.3	480.9	88.31	6.446	
15,575.0	10,516.5	16,003.3	10,814.6	47.9	49.6	121.59	5,413.3	318.3	569.3	480.6	88.66	6.420	
15,600.0	10,516.7	16,028.3	10,814.9	48.1	49.8	121.59	5,438.3	318.2	569.3	480.2	89.01	6.395	
15,625.0	10,517.0	16,053.3	10,815.1	48.3	50.0	121.59	5,463.3	318.2	569.2	479.9	89.36	6.370	
15,650.0	10,517.3	16,078.3	10,815.4	48.5	50.2	121.59	5,488.3	318.2	569.2	479.5	89.71	6.345	
15,675.0	10,517.5	16,103.3	10,815.6	48.7	50.4	121.59	5,513.3	318.2	569.2	479.2	90.06	6.321	
15,700.0	10,517.8	16,128.3	10,815.9	48.9	50.6	121.59	5,538.3	318.1	569.2	478.8	90.41	6.296	
15,725.0	10,518.1	16,153.3	10,816.1	49.1	50.8	121.59	5,563.3	318.1	569.2	478.5	90.76	6.272	
15,750.0	10,518.3	16,178.3	10,816.4	49.3	51.0	121.59	5,588.3	318.1	569.2	478.1	91.11	6.248	
15,775.0	10,518.6	16,203.3	10,816.6	49.5	51.2	121.59	5,613.3	318.0	569.2	477.8	91.46	6.224	
15,800.0	10,518.8	16,228.3	10,816.9	49.7	51.4	121.59	5,638.3	318.0	569.2	477.4	91.82	6.200	
15,825.0	10,519.1	16,253.3	10,817.2	49.9	51.6	121.59	5,663.3	318.0	569.2	477.1	92.17	6.176	
15,850.0	10,519.4	16,278.3	10,817.4	50.1	51.8	121.59	5,688.3	318.0	569.2	476.7	92.52	6.153	
15,875.0	10,519.6	16,303.3	10,817.7	50.3	52.0	121.59	5,713.3	317.9	569.2	476.3	92.87	6.129	
15,900.0	10,519.9	16,328.3	10,817.9	50.5	52.2	121.59	5,738.3	317.9	569.2	476.0	93.22	6.106	
15,925.0	10,520.1	16,353.3	10,818.2	50.7	52.4	121.59	5,763.3	317.9	569.2	475.6	93.57	6.083	
15,950.0	10,520.4	16,378.3	10,818.4	50.9	52.6	121.59	5,788.3	317.8	569.2	475.3	93.93	6.060	
15,975.0	10,520.7	16,403.3	10,818.7	51.1	52.8	121.59	5,813.3	317.8	569.2	474.9	94.28	6.037	
16,000.0	10,520.9	16,428.3	10,818.9	51.4	53.0	121.59	5,838.3	317.8	569.2	474.6	94.63	6.015	
16,025.0	10,521.2	16,453.3	10,819.2	51.6	53.2	121.58	5,863.3	317.8	569.2	474.2	94.99	5.992	
16,050.0	10,521.5	16,478.3	10,819.5	51.8	53.4	121.58	5,888.3	317.7	569.2	473.9	95.34	5.970	
16,075.0	10,521.7	16,503.3	10,819.7	52.0	53.6	121.58	5,913.3	317.7	569.2	473.5	95.69	5.948	
16,100.0	10,522.0	16,528.3	10,820.0	52.2	53.8	121.58	5,938.3	317.7	569.2	473.1	96.05	5.926	
16,125.0	10,522.2	16,553.3	10,820.2	52.4	54.0	121.58	5,963.3	317.6	569.2	472.8	96.40	5.904	
16,150.0	10,522.5	16,578.3	10,820.5	52.6	54.2	121.58	5,988.3	317.6	569.2	472.4	96.75	5.883	
16,175.0	10,522.8	16,603.3	10,820.7	52.8	54.4	121.58	6,013.3	317.6	569.2	472.1	97.11	5.861	
16,200.0	10,523.0	16,628.3	10,821.0	53.0	54.6	121.58	6,038.3	317.5	569.2	471.7	97.46	5.840	
16,225.0	10,523.3	16,653.3	10,821.2	53.2	54.8	121.58	6,063.3	317.5	569.2	471.4	97.82	5.819	
16,250.0	10,523.5	16,678.3	10,821.5	53.4	55.0	121.58	6,088.3	317.5	569.2	471.0	98.17	5.798	
16,275.0	10,523.8	16,703.3	10,821.8	53.6	55.2	121.58	6,113.3	317.5	569.2	470.6	98.53	5.777	
16,300.0	10,524.1	16,728.3	10,822.0	53.8	55.4	121.58	6,138.3	317.4	569.2	470.3	98.88	5.756	
16,325.0	10,524.3	16,753.3	10,822.3	54.0	55.6	121.58	6,163.3	317.4	569.2	469.9	99.24	5.735	
16,350.0	10,524.6	16,778.3	10,822.5	54.2	55.8	121.58	6,188.3	317.4	569.2	469.6	99.59	5.715	
16,375.0	10,524.9	16,803.3	10,822.8	54.4	56.0	121.58	6,213.3	317.3	569.2	469.2	99.95	5.694	
16,400.0	10,525.1	16,828.3	10,823.0	54.7	56.2	121.58	6,238.3	317.3	569.2	468.9	100.31	5.674	
16,425.0	10,525.4	16,853.3	10,823.3	54.9	56.4	121.58	6,263.3	317.3	569.2	468.5	100.66	5.654	
16,450.0	10,525.6	16,878.3	10,823.5	55.1	56.7	121.58	6,288.3	317.3	569.1	468.1	101.02	5.634	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,475.0	10,525.9	16,903.3	10,823.8	55.3	56.9	121.58	6,313.3	317.2	569.1	467.8	101.37	5.614	
16,500.0	10,526.2	16,928.3	10,824.1	55.5	57.1	121.57	6,338.3	317.2	569.1	467.4	101.73	5.595	
16,525.0	10,526.4	16,953.3	10,824.3	55.7	57.3	121.57	6,363.3	317.2	569.1	467.1	102.09	5.575	
16,550.0	10,526.7	16,978.3	10,824.6	55.9	57.5	121.57	6,388.3	317.1	569.1	466.7	102.44	5.556	
16,575.0	10,526.9	17,003.3	10,824.8	56.1	57.7	121.57	6,413.3	317.1	569.1	466.3	102.80	5.536	
16,600.0	10,527.2	17,028.3	10,825.1	56.3	57.9	121.57	6,438.3	317.1	569.1	466.0	103.16	5.517	
16,625.0	10,527.5	17,053.3	10,825.3	56.5	58.1	121.57	6,463.3	317.1	569.1	465.6	103.52	5.498	
16,650.0	10,527.7	17,078.3	10,825.6	56.7	58.3	121.57	6,488.3	317.0	569.1	465.3	103.87	5.479	
16,675.0	10,528.0	17,103.3	10,825.8	56.9	58.5	121.57	6,513.3	317.0	569.1	464.9	104.23	5.460	
16,700.0	10,528.2	17,128.3	10,826.1	57.1	58.7	121.57	6,538.3	317.0	569.1	464.5	104.59	5.442	
16,725.0	10,528.5	17,153.3	10,826.4	57.3	58.9	121.57	6,563.3	316.9	569.1	464.2	104.95	5.423	
16,750.0	10,528.8	17,178.3	10,826.6	57.6	59.1	121.57	6,588.3	316.9	569.1	463.8	105.30	5.404	
16,775.0	10,529.0	17,203.3	10,826.9	57.8	59.3	121.57	6,613.3	316.9	569.1	463.4	105.66	5.386	
16,800.0	10,529.3	17,228.3	10,827.1	58.0	59.5	121.57	6,638.3	316.8	569.1	463.1	106.02	5.368	
16,825.0	10,529.6	17,253.3	10,827.4	58.2	59.7	121.57	6,663.3	316.8	569.1	462.7	106.38	5.350	
16,850.0	10,529.8	17,278.3	10,827.6	58.4	59.9	121.57	6,688.3	316.8	569.1	462.4	106.74	5.332	
16,875.0	10,530.1	17,303.3	10,827.9	58.6	60.1	121.57	6,713.3	316.8	569.1	462.0	107.10	5.314	
16,900.0	10,530.3	17,328.3	10,828.1	58.8	60.3	121.57	6,738.3	316.7	569.1	461.6	107.46	5.296	
16,925.0	10,530.6	17,353.3	10,828.4	59.0	60.5	121.57	6,763.3	316.7	569.1	461.3	107.82	5.278	
16,950.0	10,530.9	17,378.3	10,828.7	59.2	60.7	121.57	6,788.3	316.7	569.1	460.9	108.17	5.261	
16,975.0	10,531.1	17,403.3	10,828.9	59.4	61.0	121.57	6,813.3	316.6	569.1	460.6	108.53	5.243	
17,000.0	10,531.4	17,428.3	10,829.2	59.6	61.2	121.56	6,838.3	316.6	569.1	460.2	108.89	5.226	
17,025.0	10,531.6	17,453.3	10,829.4	59.8	61.4	121.56	6,863.3	316.6	569.1	459.8	109.25	5.209	
17,050.0	10,531.9	17,478.3	10,829.7	60.0	61.6	121.56	6,888.3	316.6	569.1	459.5	109.61	5.192	
17,075.0	10,532.2	17,503.3	10,829.9	60.3	61.8	121.56	6,913.3	316.5	569.1	459.1	109.97	5.175	
17,100.0	10,532.4	17,528.3	10,830.2	60.5	62.0	121.56	6,938.3	316.5	569.1	458.7	110.33	5.158	
17,125.0	10,532.7	17,553.3	10,830.4	60.7	62.2	121.56	6,963.3	316.5	569.1	458.4	110.69	5.141	
17,150.0	10,533.0	17,578.3	10,830.7	60.9	62.4	121.56	6,988.3	316.4	569.1	458.0	111.05	5.124	
17,175.0	10,533.2	17,603.3	10,831.0	61.1	62.6	121.56	7,013.3	316.4	569.1	457.7	111.41	5.108	
17,200.0	10,533.5	17,628.3	10,831.2	61.3	62.8	121.56	7,038.3	316.4	569.1	457.3	111.77	5.091	
17,225.0	10,533.7	17,653.3	10,831.5	61.5	63.0	121.56	7,063.3	316.4	569.1	456.9	112.13	5.075	
17,250.0	10,534.0	17,678.3	10,831.7	61.7	63.2	121.56	7,088.3	316.3	569.1	456.6	112.50	5.058	
17,275.0	10,534.3	17,703.3	10,832.0	61.9	63.4	121.56	7,113.3	316.3	569.1	456.2	112.86	5.042	
17,300.0	10,534.5	17,728.3	10,832.2	62.1	63.6	121.56	7,138.3	316.3	569.0	455.8	113.22	5.026	
17,325.0	10,534.8	17,753.3	10,832.5	62.3	63.8	121.56	7,163.3	316.2	569.0	455.5	113.58	5.010	
17,350.0	10,535.0	17,778.3	10,832.7	62.5	64.0	121.56	7,188.3	316.2	569.0	455.1	113.94	4.994	
17,375.0	10,535.3	17,803.3	10,833.0	62.8	64.2	121.56	7,213.2	316.2	569.0	454.7	114.30	4.978	
17,400.0	10,535.6	17,828.3	10,833.3	63.0	64.5	121.56	7,238.2	316.1	569.0	454.4	114.66	4.963	
17,425.0	10,535.8	17,853.3	10,833.5	63.2	64.7	121.56	7,263.2	316.1	569.0	454.0	115.02	4.947	
17,450.0	10,536.1	17,878.3	10,833.8	63.4	64.9	121.56	7,288.2	316.1	569.0	453.6	115.39	4.932	
17,475.0	10,536.4	17,903.3	10,834.0	63.6	65.1	121.56	7,313.2	316.1	569.0	453.3	115.75	4.916	
17,500.0	10,536.6	17,928.3	10,834.3	63.8	65.3	121.55	7,338.2	316.0	569.0	452.9	116.11	4.901	
17,525.0	10,536.9	17,953.3	10,834.5	64.0	65.5	121.55	7,363.2	316.0	569.0	452.6	116.47	4.886	
17,550.0	10,537.1	17,978.3	10,834.8	64.2	65.7	121.55	7,388.2	316.0	569.0	452.2	116.83	4.870	
17,575.0	10,537.4	18,003.3	10,835.0	64.4	65.9	121.55	7,413.2	315.9	569.0	451.8	117.20	4.855	
17,600.0	10,537.7	18,028.3	10,835.3	64.6	66.1	121.55	7,438.2	315.9	569.0	451.5	117.56	4.840	
17,625.0	10,537.9	18,053.3	10,835.6	64.8	66.3	121.55	7,463.2	315.9	569.0	451.1	117.92	4.825	
17,650.0	10,538.2	18,078.3	10,835.8	65.0	66.5	121.55	7,488.2	315.9	569.0	450.7	118.28	4.811	
17,675.0	10,538.4	18,103.3	10,836.1	65.3	66.7	121.55	7,513.2	315.8	569.0	450.4	118.65	4.796	
17,700.0	10,538.7	18,128.3	10,836.3	65.5	66.9	121.55	7,538.2	315.8	569.0	450.0	119.01	4.781	
17,725.0	10,539.0	18,153.3	10,836.6	65.7	67.1	121.55	7,563.2	315.8	569.0	449.6	119.37	4.767	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,750.0	10,539.2	18,178.3	10,836.8	65.9	67.3	121.55	7,588.2	315.7	569.0	449.3	119.73	4.752	
17,775.0	10,539.5	18,203.3	10,837.1	66.1	67.6	121.55	7,613.2	315.7	569.0	448.9	120.10	4.738	
17,800.0	10,539.7	18,228.3	10,837.3	66.3	67.8	121.55	7,638.2	315.7	569.0	448.5	120.46	4.723	
17,825.0	10,540.0	18,253.3	10,837.6	66.5	68.0	121.55	7,663.2	315.7	569.0	448.2	120.82	4.709	
17,850.0	10,540.3	18,278.3	10,837.9	66.7	68.2	121.55	7,688.2	315.6	569.0	447.8	121.19	4.695	
17,875.0	10,540.5	18,303.3	10,838.1	66.9	68.4	121.55	7,713.2	315.6	569.0	447.4	121.55	4.681	
17,900.0	10,540.8	18,328.3	10,838.4	67.1	68.6	121.55	7,738.2	315.6	569.0	447.1	121.91	4.667	
17,925.0	10,541.1	18,353.3	10,838.6	67.3	68.8	121.55	7,763.2	315.5	569.0	446.7	122.28	4.653	
17,950.0	10,541.3	18,378.3	10,838.9	67.6	69.0	121.55	7,788.2	315.5	569.0	446.3	122.64	4.639	
17,975.0	10,541.6	18,403.3	10,839.1	67.8	69.2	121.54	7,813.2	315.5	569.0	446.0	123.01	4.626	
18,000.0	10,541.8	18,428.3	10,839.4	68.0	69.4	121.54	7,838.2	315.5	569.0	445.6	123.37	4.612	
18,025.0	10,542.1	18,453.3	10,839.6	68.2	69.6	121.54	7,863.2	315.4	569.0	445.2	123.73	4.598	
18,050.0	10,542.4	18,478.3	10,839.9	68.4	69.8	121.54	7,888.2	315.4	569.0	444.9	124.10	4.585	
18,075.0	10,542.6	18,503.3	10,840.2	68.6	70.0	121.54	7,913.2	315.4	569.0	444.5	124.46	4.571	
18,100.0	10,542.9	18,528.3	10,840.4	68.8	70.3	121.54	7,938.2	315.3	569.0	444.1	124.83	4.558	
18,125.0	10,543.1	18,553.3	10,840.7	69.0	70.5	121.54	7,963.2	315.3	569.0	443.8	125.19	4.545	
18,150.0	10,543.4	18,578.3	10,840.9	69.2	70.7	121.54	7,988.2	315.3	568.9	443.4	125.55	4.531	
18,175.0	10,543.7	18,603.3	10,841.2	69.4	70.9	121.54	8,013.2	315.2	568.9	443.0	125.92	4.518	
18,200.0	10,543.9	18,628.3	10,841.4	69.7	71.1	121.54	8,038.2	315.2	568.9	442.7	126.28	4.505	
18,225.0	10,544.2	18,653.3	10,841.7	69.9	71.3	121.54	8,063.2	315.2	568.9	442.3	126.65	4.492	
18,250.0	10,544.5	18,678.3	10,841.9	70.1	71.5	121.54	8,088.2	315.2	568.9	441.9	127.01	4.479	
18,275.0	10,544.7	18,703.3	10,842.2	70.3	71.7	121.54	8,113.2	315.1	568.9	441.6	127.38	4.466	
18,300.0	10,545.0	18,728.3	10,842.5	70.5	71.9	121.54	8,138.2	315.1	568.9	441.2	127.74	4.454	
18,325.0	10,545.2	18,753.3	10,842.7	70.7	72.1	121.54	8,163.2	315.1	568.9	440.8	128.11	4.441	
18,350.0	10,545.5	18,778.3	10,843.0	70.9	72.3	121.54	8,188.2	315.0	568.9	440.5	128.47	4.428	
18,375.0	10,545.8	18,803.3	10,843.2	71.1	72.5	121.54	8,213.2	315.0	568.9	440.1	128.84	4.416	
18,400.0	10,546.0	18,828.3	10,843.5	71.3	72.7	121.54	8,238.2	315.0	568.9	439.7	129.20	4.403	
18,425.0	10,546.3	18,853.3	10,843.7	71.5	73.0	121.54	8,263.2	315.0	568.9	439.3	129.57	4.391	
18,450.0	10,546.5	18,878.3	10,844.0	71.7	73.2	121.54	8,288.2	314.9	568.9	439.0	129.94	4.378	
18,475.0	10,546.8	18,903.3	10,844.2	72.0	73.4	121.53	8,313.2	314.9	568.9	438.6	130.30	4.366	
18,500.0	10,547.1	18,928.3	10,844.5	72.2	73.6	121.53	8,338.2	314.9	568.9	438.2	130.67	4.354	
18,525.0	10,547.3	18,953.3	10,844.8	72.4	73.8	121.53	8,363.2	314.8	568.9	437.9	131.03	4.342	
18,550.0	10,547.6	18,978.3	10,845.0	72.6	74.0	121.53	8,388.2	314.8	568.9	437.5	131.40	4.330	
18,575.0	10,547.9	19,003.3	10,845.3	72.8	74.2	121.53	8,413.2	314.8	568.9	437.1	131.76	4.318	
18,600.0	10,548.1	19,028.3	10,845.5	73.0	74.4	121.53	8,438.2	314.8	568.9	436.8	132.13	4.306	
18,625.0	10,548.4	19,053.3	10,845.8	73.2	74.6	121.53	8,463.2	314.7	568.9	436.4	132.50	4.294	
18,650.0	10,548.6	19,078.3	10,846.0	73.4	74.8	121.53	8,488.2	314.7	568.9	436.0	132.86	4.282	
18,675.0	10,548.9	19,103.3	10,846.3	73.6	75.0	121.53	8,513.2	314.7	568.9	435.7	133.23	4.270	
18,700.0	10,549.2	19,128.3	10,846.5	73.8	75.2	121.53	8,538.2	314.6	568.9	435.3	133.59	4.258	
18,725.0	10,549.4	19,153.3	10,846.8	74.1	75.5	121.53	8,563.2	314.6	568.9	434.9	133.96	4.247	
18,750.0	10,549.7	19,178.3	10,847.0	74.3	75.7	121.53	8,588.2	314.6	568.9	434.6	134.33	4.235	
18,775.0	10,549.9	19,203.3	10,847.3	74.5	75.9	121.53	8,613.2	314.5	568.9	434.2	134.69	4.223	
18,800.0	10,550.2	19,228.3	10,847.6	74.7	76.1	121.53	8,638.2	314.5	568.9	433.8	135.06	4.212	
18,825.0	10,550.5	19,253.3	10,847.8	74.9	76.3	121.53	8,663.2	314.5	568.9	433.4	135.43	4.201	
18,850.0	10,550.7	19,278.3	10,848.1	75.1	76.5	121.53	8,688.2	314.5	568.9	433.1	135.79	4.189	
18,875.0	10,551.0	19,303.3	10,848.3	75.3	76.7	121.53	8,713.2	314.4	568.9	432.7	136.16	4.178	
18,900.0	10,551.2	19,328.3	10,848.6	75.5	76.9	121.53	8,738.2	314.4	568.9	432.3	136.53	4.167	
18,925.0	10,551.5	19,353.3	10,848.8	75.7	77.1	121.53	8,763.2	314.4	568.9	432.0	136.89	4.155	
18,950.0	10,551.8	19,378.3	10,849.1	76.0	77.3	121.53	8,788.2	314.3	568.9	431.6	137.26	4.144	
18,975.0	10,552.0	19,403.3	10,849.3	76.2	77.5	121.52	8,813.2	314.3	568.9	431.2	137.63	4.133	
19,000.0	10,552.3	19,428.3	10,849.6	76.4	77.7	121.52	8,838.2	314.3	568.8	430.9	137.99	4.122	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,025.0	10,552.6	19,453.3	10,849.9	76.6	78.0	121.52	8,863.2	314.3	568.8	430.5	138.36	4.111	
19,050.0	10,552.8	19,478.3	10,850.1	76.8	78.2	121.52	8,888.2	314.2	568.8	430.1	138.73	4.100	
19,075.0	10,553.1	19,503.3	10,850.4	77.0	78.4	121.52	8,913.2	314.2	568.8	429.7	139.10	4.090	
19,100.0	10,553.3	19,528.3	10,850.6	77.2	78.6	121.52	8,938.2	314.2	568.8	429.4	139.46	4.079	
19,125.0	10,553.6	19,553.3	10,850.9	77.4	78.8	121.52	8,963.2	314.1	568.8	429.0	139.83	4.068	
19,150.0	10,553.9	19,578.3	10,851.1	77.6	79.0	121.52	8,988.2	314.1	568.8	428.6	140.20	4.057	
19,175.0	10,554.1	19,603.3	10,851.4	77.8	79.2	121.52	9,013.2	314.1	568.8	428.3	140.57	4.047	
19,200.0	10,554.4	19,628.3	10,851.6	78.1	79.4	121.52	9,038.2	314.1	568.8	427.9	140.93	4.036	
19,225.0	10,554.6	19,653.3	10,851.9	78.3	79.6	121.52	9,063.2	314.0	568.8	427.5	141.30	4.026	
19,250.0	10,554.9	19,678.3	10,852.2	78.5	79.8	121.52	9,088.2	314.0	568.8	427.2	141.67	4.015	
19,275.0	10,555.2	19,703.3	10,852.4	78.7	80.0	121.52	9,113.1	314.0	568.8	426.8	142.04	4.005	
19,300.0	10,555.4	19,728.3	10,852.7	78.9	80.3	121.52	9,138.1	313.9	568.8	426.4	142.40	3.994	
19,325.0	10,555.7	19,753.3	10,852.9	79.1	80.5	121.52	9,163.1	313.9	568.8	426.0	142.77	3.984	
19,350.0	10,556.0	19,778.3	10,853.2	79.3	80.7	121.52	9,188.1	313.9	568.8	425.7	143.14	3.974	
19,375.0	10,556.2	19,803.3	10,853.4	79.5	80.9	121.52	9,213.1	313.8	568.8	425.3	143.51	3.964	
19,400.0	10,556.5	19,828.3	10,853.7	79.7	81.1	121.52	9,238.1	313.8	568.8	424.9	143.88	3.953	
19,425.0	10,556.7	19,853.3	10,853.9	80.0	81.3	121.52	9,263.1	313.8	568.8	424.6	144.24	3.943	
19,450.0	10,557.0	19,878.3	10,854.2	80.2	81.5	121.51	9,288.1	313.8	568.8	424.2	144.61	3.933	
19,475.0	10,557.3	19,903.3	10,854.5	80.4	81.7	121.51	9,313.1	313.7	568.8	423.8	144.98	3.923	
19,500.0	10,557.5	19,928.3	10,854.7	80.6	81.9	121.51	9,338.1	313.7	568.8	423.4	145.35	3.913	
19,525.0	10,557.8	19,953.3	10,855.0	80.8	82.1	121.51	9,363.1	313.7	568.8	423.1	145.72	3.903	
19,550.0	10,558.0	19,978.3	10,855.2	81.0	82.4	121.51	9,388.1	313.6	568.8	422.7	146.09	3.893	
19,575.0	10,558.3	20,003.3	10,855.5	81.2	82.6	121.51	9,413.1	313.6	568.8	422.3	146.45	3.884	
19,600.0	10,558.6	20,028.3	10,855.7	81.4	82.8	121.51	9,438.1	313.6	568.8	422.0	146.82	3.874	
19,625.0	10,558.8	20,053.3	10,856.0	81.6	83.0	121.51	9,463.1	313.6	568.8	421.6	147.19	3.864	
19,650.0	10,559.1	20,078.3	10,856.2	81.8	83.2	121.51	9,488.1	313.5	568.8	421.2	147.56	3.855	
19,675.0	10,559.3	20,103.3	10,856.5	82.1	83.4	121.51	9,513.1	313.5	568.8	420.8	147.93	3.845	
19,700.0	10,559.6	20,128.3	10,856.8	82.3	83.6	121.51	9,538.1	313.5	568.8	420.5	148.30	3.835	
19,725.0	10,559.9	20,153.3	10,857.0	82.5	83.8	121.51	9,563.1	313.4	568.8	420.1	148.67	3.826	
19,750.0	10,560.1	20,178.3	10,857.3	82.7	84.0	121.51	9,588.1	313.4	568.8	419.7	149.04	3.816	
19,775.0	10,560.4	20,203.3	10,857.5	82.9	84.2	121.51	9,613.1	313.4	568.8	419.4	149.40	3.807	
19,800.0	10,560.7	20,228.3	10,857.8	83.1	84.4	121.51	9,638.1	313.4	568.8	419.0	149.77	3.797	
19,825.0	10,560.9	20,253.3	10,858.0	83.3	84.7	121.51	9,663.1	313.3	568.8	418.6	150.14	3.788	
19,850.0	10,561.2	20,278.3	10,858.3	83.5	84.9	121.51	9,688.1	313.3	568.7	418.2	150.51	3.779	
19,875.0	10,561.4	20,303.3	10,858.5	83.7	85.1	121.51	9,713.1	313.3	568.7	417.9	150.88	3.770	
19,900.0	10,561.7	20,328.3	10,858.8	84.0	85.3	121.51	9,738.1	313.2	568.7	417.5	151.25	3.760	
19,925.0	10,562.0	20,353.3	10,859.1	84.2	85.5	121.51	9,763.1	313.2	568.7	417.1	151.62	3.751	
19,950.0	10,562.2	20,378.3	10,859.3	84.4	85.7	121.50	9,788.1	313.2	568.7	416.7	151.99	3.742	
19,975.0	10,562.5	20,403.3	10,859.6	84.6	85.9	121.50	9,813.1	313.1	568.7	416.4	152.36	3.733	
20,000.0	10,562.7	20,428.3	10,859.8	84.8	86.1	121.50	9,838.1	313.1	568.7	416.0	152.73	3.724	
20,025.0	10,563.0	20,453.3	10,860.1	85.0	86.3	121.50	9,863.1	313.1	568.7	415.6	153.10	3.715	
20,050.0	10,563.3	20,478.3	10,860.3	85.2	86.5	121.50	9,888.1	313.1	568.7	415.3	153.47	3.706	
20,075.0	10,563.5	20,503.3	10,860.6	85.4	86.8	121.50	9,913.1	313.0	568.7	414.9	153.83	3.697	
20,100.0	10,563.8	20,528.3	10,860.8	85.6	87.0	121.50	9,938.1	313.0	568.7	414.5	154.20	3.688	
20,125.0	10,564.1	20,553.3	10,861.1	85.9	87.2	121.50	9,963.1	313.0	568.7	414.1	154.57	3.679	
20,150.0	10,564.3	20,578.3	10,861.4	86.1	87.4	121.50	9,988.1	312.9	568.7	413.8	154.94	3.670	
20,175.0	10,564.6	20,603.3	10,861.6	86.3	87.6	121.50	10,013.1	312.9	568.7	413.4	155.31	3.662	
20,200.0	10,564.8	20,628.3	10,861.9	86.5	87.8	121.50	10,038.1	312.9	568.7	413.0	155.68	3.653	
20,225.0	10,565.1	20,653.3	10,862.1	86.7	88.0	121.50	10,063.1	312.9	568.7	412.7	156.05	3.644	
20,250.0	10,565.4	20,678.3	10,862.4	86.9	88.2	121.50	10,088.1	312.8	568.7	412.3	156.42	3.636	
20,275.0	10,565.6	20,703.3	10,862.6	87.1	88.4	121.50	10,113.1	312.8	568.7	411.9	156.79	3.627	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,300.0	10,565.9	20,728.3	10,862.9	87.3	88.6	121.50	10,138.1	312.8	568.7	411.5	157.16	3.619	
20,325.0	10,566.1	20,753.3	10,863.1	87.5	88.9	121.50	10,163.1	312.7	568.7	411.2	157.53	3.610	
20,350.0	10,566.4	20,778.3	10,863.4	87.8	89.1	121.50	10,188.1	312.7	568.7	410.8	157.90	3.602	
20,375.0	10,566.7	20,803.3	10,863.7	88.0	89.3	121.50	10,213.1	312.7	568.7	410.4	158.27	3.593	
20,400.0	10,566.9	20,828.3	10,863.9	88.2	89.5	121.50	10,238.1	312.7	568.7	410.0	158.64	3.585	
20,425.0	10,567.2	20,853.3	10,864.2	88.4	89.7	121.50	10,263.1	312.6	568.7	409.7	159.01	3.576	
20,450.0	10,567.5	20,878.3	10,864.4	88.6	89.9	121.49	10,288.1	312.6	568.7	409.3	159.38	3.568	
20,475.0	10,567.7	20,903.3	10,864.7	88.8	90.1	121.49	10,313.1	312.6	568.7	408.9	159.75	3.560	
20,500.0	10,568.0	20,928.3	10,864.9	89.0	90.3	121.49	10,338.1	312.5	568.7	408.5	160.12	3.551	
20,525.0	10,568.2	20,953.3	10,865.2	89.2	90.5	121.49	10,363.1	312.5	568.7	408.2	160.49	3.543	
20,550.0	10,568.5	20,978.3	10,865.4	89.4	90.7	121.49	10,388.1	312.5	568.7	407.8	160.86	3.535	
20,575.0	10,568.8	21,003.3	10,865.7	89.7	91.0	121.49	10,413.1	312.4	568.7	407.4	161.24	3.527	
20,600.0	10,569.0	21,028.3	10,866.0	89.9	91.2	121.49	10,438.1	312.4	568.7	407.1	161.61	3.519	
20,625.0	10,569.3	21,053.3	10,866.2	90.1	91.4	121.49	10,463.1	312.4	568.7	406.7	161.98	3.511	
20,650.0	10,569.5	21,078.3	10,866.5	90.3	91.6	121.49	10,488.1	312.4	568.7	406.3	162.35	3.503	
20,675.0	10,569.8	21,103.3	10,866.7	90.5	91.8	121.49	10,513.1	312.3	568.7	405.9	162.72	3.495	
20,693.8	10,570.0	21,122.1	10,866.9	90.7	92.0	121.49	10,531.8	312.3	568.6	405.7	162.99	3.489	
20,694.2	10,570.0	21,122.5	10,866.9	90.7	92.0	121.49	10,532.3	312.3	568.6	405.6	163.00	3.489 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.71	-20.0	0.1	20.0				
25.0	25.0	24.9	24.9	0.5	0.1	179.71	-20.0	0.1	20.0				
50.0	50.0	49.9	49.9	0.5	0.3	179.71	-20.0	0.1	20.0	18.7	1.28	15.593	
75.0	75.0	74.9	74.9	0.5	0.4	179.71	-20.0	0.1	20.0	18.6	1.38	14.520	
100.0	100.0	99.9	99.9	0.5	0.5	179.71	-20.0	0.1	20.0	18.5	1.50	13.374	
125.0	125.0	124.9	124.9	0.6	0.6	179.71	-20.0	0.1	20.0	18.3	1.75	11.449	
150.0	150.0	149.9	149.9	0.8	0.8	179.71	-20.0	0.1	20.0	18.0	2.00	10.008	
175.0	175.0	174.9	174.9	0.9	0.9	179.71	-20.0	0.1	20.0	17.8	2.25	8.889	
200.0	200.0	199.9	199.9	1.0	1.0	179.71	-20.0	0.1	20.0	17.5	2.50	7.995	
225.0	225.0	224.9	224.9	1.1	1.1	179.71	-20.0	0.1	20.0	17.3	2.67	7.494	
250.0	250.0	249.9	249.9	1.2	1.2	179.71	-20.0	0.1	20.0	17.2	2.84	7.051	
275.0	275.0	274.9	274.9	1.3	1.3	179.71	-20.0	0.1	20.0	17.0	3.00	6.659	
300.0	300.0	299.9	299.9	1.4	1.4	179.71	-20.0	0.1	20.0	16.8	3.17	6.307	
325.0	325.0	324.9	324.9	1.4	1.4	179.71	-20.0	0.1	20.0	16.7	3.31	6.046	
350.0	350.0	349.9	349.9	1.5	1.5	179.71	-20.0	0.1	20.0	16.6	3.45	5.805	
375.0	375.0	374.9	374.9	1.6	1.6	179.71	-20.0	0.1	20.0	16.4	3.58	5.583	
400.0	400.0	399.9	399.9	1.6	1.6	179.71	-20.0	0.1	20.0	16.3	3.72	5.377	
425.0	425.0	424.9	424.9	1.7	1.7	179.71	-20.0	0.1	20.0	16.2	3.84	5.209	
450.0	450.0	449.9	449.9	1.8	1.8	179.71	-20.0	0.1	20.0	16.0	3.96	5.051	
475.0	475.0	474.9	474.9	1.8	1.8	179.71	-20.0	0.1	20.0	15.9	4.08	4.902	
500.0	500.0	499.9	499.9	1.9	1.9	179.71	-20.0	0.1	20.0	15.8	4.20	4.761	
525.0	525.0	524.9	524.9	1.9	1.9	179.71	-20.0	0.1	20.0	15.7	4.31	4.640	
550.0	550.0	549.9	549.9	2.0	2.0	179.71	-20.0	0.1	20.0	15.6	4.42	4.526	
575.0	575.0	574.9	574.9	2.1	2.1	179.71	-20.0	0.1	20.0	15.5	4.53	4.416	
600.0	600.0	599.9	599.9	2.1	2.1	179.71	-20.0	0.1	20.0	15.4	4.64	4.312	
625.0	625.0	624.9	624.9	2.2	2.2	179.71	-20.0	0.1	20.0	15.3	4.74	4.220	
650.0	650.0	649.9	649.9	2.2	2.2	179.71	-20.0	0.1	20.0	15.2	4.84	4.131	
675.0	675.0	674.9	674.9	2.3	2.3	179.71	-20.0	0.1	20.0	15.1	4.94	4.046	
700.0	700.0	699.9	699.9	2.3	2.3	179.71	-20.0	0.1	20.0	15.0	5.04	3.965	
725.0	725.0	724.9	724.9	2.4	2.4	179.71	-20.0	0.1	20.0	14.9	5.14	3.891	
750.0	750.0	749.9	749.9	2.4	2.4	179.71	-20.0	0.1	20.0	14.8	5.24	3.820	
775.0	775.0	774.9	774.9	2.5	2.5	179.71	-20.0	0.1	20.0	14.7	5.33	3.751	
800.0	800.0	799.9	799.9	2.5	2.5	179.71	-20.0	0.1	20.0	14.6	5.43	3.685	
825.0	825.0	824.9	824.9	2.6	2.6	179.71	-20.0	0.1	20.0	14.5	5.52	3.624	
850.0	850.0	849.9	849.9	2.6	2.6	179.71	-20.0	0.1	20.0	14.4	5.61	3.565	
875.0	875.0	874.9	874.9	2.6	2.6	179.71	-20.0	0.1	20.0	14.3	5.70	3.508	
900.0	900.0	899.9	899.9	2.7	2.7	179.71	-20.0	0.1	20.0	14.2	5.79	3.453	
925.0	925.0	924.9	924.9	2.7	2.7	179.71	-20.0	0.1	20.0	14.1	5.88	3.402	
950.0	950.0	949.9	949.9	2.8	2.8	179.71	-20.0	0.1	20.0	14.0	5.97	3.352	
975.0	975.0	974.9	974.9	2.8	2.8	179.71	-20.0	0.1	20.0	13.9	6.05	3.304	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	179.71	-20.0	0.1	20.0	13.9	6.14	3.257	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	179.71	-20.0	0.1	20.0	13.8	6.23	3.213	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	179.71	-20.0	0.1	20.0	13.7	6.31	3.170	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	179.71	-20.0	0.1	20.0	13.6	6.39	3.128	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	179.71	-20.0	0.1	20.0	13.5	6.48	3.087	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	179.71	-20.0	0.1	20.0	13.4	6.56	3.049	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	179.71	-20.0	0.1	20.0	13.4	6.64	3.011	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	179.71	-20.0	0.1	20.0	13.3	6.72	2.974	Normal Operations
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	179.71	-20.0	0.1	20.0	13.2	6.81	2.939	Normal Operations
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	179.71	-20.0	0.1	20.0	13.1	6.89	2.905	Normal Operations
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	179.71	-20.0	0.1	20.0	13.0	6.96	2.872	Normal Operations

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	179.71	-20.0	0.1	20.0	13.0	7.04	2.839	Normal Operations
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	179.71	-20.0	0.1	20.0	12.9	7.12	2.807	Normal Operations
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	179.71	-20.0	0.1	20.0	12.8	7.20	2.777	Normal Operations
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	179.71	-20.0	0.1	20.0	12.7	7.28	2.747	Normal Operations
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	179.71	-20.0	0.1	20.0	12.6	7.36	2.718	Normal Operations
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	179.71	-20.0	0.1	20.0	12.6	7.43	2.690	Normal Operations
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	179.71	-20.0	0.1	20.0	12.5	7.51	2.663	Normal Operations
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	179.71	-20.0	0.1	20.0	12.4	7.59	2.636	Normal Operations
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	179.71	-20.0	0.1	20.0	12.3	7.66	2.610	Normal Operations
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	179.71	-20.0	0.1	20.0	12.3	7.74	2.584	Normal Operations
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	179.71	-20.0	0.1	20.0	12.2	7.81	2.560	Normal Operations
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	179.71	-20.0	0.1	20.0	12.1	7.89	2.535	Normal Operations
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	179.71	-20.0	0.1	20.0	12.0	7.96	2.512	Normal Operations
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	179.71	-20.0	0.1	20.0	12.0	8.04	2.488	Caution - Monitor Closely
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	179.71	-20.0	0.1	20.0	11.9	8.11	2.466	Caution - Monitor Closely
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	179.71	-20.0	0.1	20.0	11.8	8.18	2.444	Caution - Monitor Closely
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	179.71	-20.0	0.1	20.0	11.7	8.26	2.422	Caution - Monitor Closely
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	179.71	-20.0	0.1	20.0	11.7	8.33	2.401	Caution - Monitor Closely
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	179.71	-20.0	0.1	20.0	11.6	8.40	2.380	Caution - Monitor Closely
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	179.71	-20.0	0.1	20.0	11.5	8.47	2.360	Caution - Monitor Closely
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	179.71	-20.0	0.1	20.0	11.5	8.55	2.340	Caution - Monitor Closely
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	179.71	-20.0	0.1	20.0	11.4	8.62	2.320	Caution - Monitor Closely
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	179.71	-20.0	0.1	20.0	11.3	8.69	2.301	Caution - Monitor Closely
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	179.71	-20.0	0.1	20.0	11.2	8.76	2.283	Caution - Monitor Closely
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	179.71	-20.0	0.1	20.0	11.2	8.83	2.264	Caution - Monitor Closely
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	179.71	-20.0	0.1	20.0	11.1	8.90	2.246	Caution - Monitor Closely
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	179.71	-20.0	0.1	20.0	11.0	8.97	2.229	Caution - Monitor Closely
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	179.71	-20.0	0.1	20.0	11.0	9.04	2.211	Caution - Monitor Closely
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	179.71	-20.0	0.1	20.0	10.9	9.11	2.194	Caution - Monitor Closely
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	179.71	-20.0	0.1	20.0	10.8	9.18	2.178	Caution - Monitor Closely, CC
2,025.0	2,025.0	2,024.9	2,024.9	4.4	4.4	-125.64	-20.0	0.0	20.0	10.8	9.25	2.167	Caution - Monitor Closely, ES, SF
2,050.0	2,050.0	2,050.0	2,050.0	4.5	4.5	-125.47	-19.9	-0.3	20.2	10.9	9.31	2.168	Caution - Monitor Closely
2,075.0	2,075.0	2,075.0	2,075.0	4.5	4.5	-125.20	-19.9	-0.9	20.4	11.0	9.38	2.178	Caution - Monitor Closely
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.5	-124.83	-19.7	-1.6	20.8	11.3	9.44	2.198	Caution - Monitor Closely
2,125.0	2,125.0	2,125.0	2,125.0	4.6	4.6	-124.38	-19.6	-2.6	21.2	11.6	9.53	2.222	Caution - Monitor Closely
2,150.0	2,149.9	2,150.0	2,150.0	4.7	4.6	-123.84	-19.4	-3.8	21.7	12.1	9.62	2.256	Caution - Monitor Closely
2,175.0	2,174.9	2,175.1	2,174.9	4.7	4.7	-123.24	-19.2	-5.2	22.3	12.6	9.70	2.300	Caution - Monitor Closely
2,200.0	2,199.8	2,200.1	2,199.9	4.8	4.7	-122.58	-19.0	-6.8	23.0	13.2	9.79	2.353	Caution - Monitor Closely
2,225.0	2,224.8	2,225.1	2,224.8	4.8	4.7	-121.89	-18.7	-8.6	23.8	14.0	9.87	2.415	Caution - Monitor Closely
2,250.0	2,249.7	2,250.1	2,249.8	4.9	4.8	-121.17	-18.4	-10.7	24.7	14.8	9.95	2.487	Caution - Monitor Closely
2,275.0	2,274.6	2,275.1	2,274.6	5.0	4.8	-120.43	-18.0	-12.9	25.8	15.7	10.03	2.567	Normal Operations
2,300.0	2,299.5	2,300.0	2,299.5	5.0	4.9	-119.68	-17.6	-15.4	26.9	16.8	10.11	2.657	Normal Operations
2,325.0	2,324.3	2,325.0	2,324.3	5.1	4.9	-118.93	-17.2	-18.1	28.1	17.9	10.19	2.755	Normal Operations
2,350.0	2,349.1	2,350.0	2,349.1	5.2	5.0	-118.20	-16.8	-21.0	29.4	19.1	10.27	2.862	Normal Operations
2,375.0	2,373.9	2,375.0	2,373.9	5.2	5.0	-117.47	-16.3	-24.1	30.8	20.5	10.35	2.977	Normal Operations
2,400.1	2,398.8	2,400.0	2,398.7	5.3	5.1	-116.77	-15.8	-27.5	32.3	21.9	10.43	3.101	
2,425.0	2,423.5	2,424.9	2,423.3	5.4	5.2	-115.95	-15.3	-31.0	33.9	23.4	10.50	3.229	
2,450.0	2,448.2	2,449.8	2,447.9	5.4	5.3	-114.86	-14.7	-34.7	35.5	24.9	10.56	3.358	
2,475.0	2,473.0	2,474.7	2,472.5	5.5	5.3	-113.52	-14.1	-38.7	37.1	26.5	10.63	3.489	
2,500.0	2,497.7	2,499.6	2,497.1	5.6	5.4	-111.97	-13.5	-42.9	38.7	28.0	10.69	3.623	
2,525.0	2,522.5	2,524.5	2,521.6	5.6	5.5	-110.40	-12.8	-47.1	40.4	29.7	10.75	3.759	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,549.5	2,546.2	5.7	5.6	-108.95	-12.2	-51.4	42.1	31.3	10.81	3.895	
2,575.0	2,572.0	2,574.4	2,570.7	5.7	5.6	-107.61	-11.5	-55.7	43.8	33.0	10.87	4.031	
2,600.0	2,596.8	2,599.3	2,595.3	5.8	5.7	-106.38	-10.9	-60.0	45.6	34.6	10.94	4.167	
2,625.0	2,621.5	2,624.2	2,619.8	5.9	5.8	-105.24	-10.3	-64.3	47.4	36.4	11.01	4.302	
2,650.0	2,646.3	2,649.1	2,644.3	6.0	5.9	-104.18	-9.6	-68.5	49.2	38.1	11.08	4.437	
2,675.0	2,671.0	2,674.1	2,668.9	6.0	5.9	-103.19	-9.0	-72.8	51.0	39.8	11.15	4.570	
2,700.0	2,695.8	2,699.0	2,693.4	6.1	6.0	-102.27	-8.3	-77.1	52.8	41.6	11.22	4.703	
2,725.0	2,720.5	2,723.9	2,718.0	6.2	6.1	-101.42	-7.7	-81.4	54.6	43.3	11.30	4.834	
2,750.0	2,745.3	2,748.8	2,742.5	6.2	6.2	-100.62	-7.0	-85.6	56.4	45.1	11.37	4.964	
2,775.0	2,770.1	2,773.7	2,767.0	6.3	6.3	-99.87	-6.4	-89.9	58.3	46.9	11.45	5.092	
2,800.0	2,794.8	2,798.7	2,791.6	6.4	6.3	-99.16	-5.7	-94.2	60.2	48.6	11.53	5.219	
2,825.0	2,819.6	2,823.6	2,816.1	6.5	6.4	-98.50	-5.1	-98.5	62.0	50.4	11.61	5.344	
2,850.0	2,844.3	2,848.5	2,840.7	6.5	6.5	-97.88	-4.4	-102.8	63.9	52.2	11.69	5.468	
2,875.0	2,869.1	2,873.4	2,865.2	6.6	6.6	-97.29	-3.8	-107.0	65.8	54.0	11.77	5.590	
2,900.0	2,893.8	2,898.3	2,889.8	6.7	6.7	-96.74	-3.1	-111.3	67.7	55.8	11.85	5.711	
2,925.0	2,918.6	2,923.3	2,914.3	6.8	6.8	-96.21	-2.5	-115.6	69.6	57.7	11.94	5.829	
2,950.0	2,943.3	2,948.2	2,938.8	6.9	6.8	-95.72	-1.8	-119.9	71.5	59.5	12.02	5.946	
2,975.0	2,968.1	2,973.1	2,963.4	7.0	6.9	-95.25	-1.2	-124.1	73.4	61.3	12.11	6.061	
3,000.0	2,992.9	2,998.0	2,987.9	7.0	7.0	-94.80	-0.5	-128.4	75.3	63.1	12.20	6.175	
3,025.0	3,017.6	3,022.9	3,012.5	7.1	7.1	-94.38	0.1	-132.7	77.2	64.9	12.29	6.286	
3,050.0	3,042.4	3,047.9	3,037.0	7.2	7.2	-93.97	0.8	-137.0	79.2	66.8	12.38	6.396	
3,075.0	3,067.1	3,072.8	3,061.5	7.3	7.3	-93.59	1.4	-141.3	81.1	68.6	12.47	6.504	
3,100.0	3,091.9	3,097.7	3,086.1	7.4	7.4	-93.22	2.1	-145.5	83.0	70.5	12.56	6.611	
3,125.0	3,116.6	3,122.6	3,110.6	7.5	7.5	-92.87	2.7	-149.8	84.9	72.3	12.65	6.716	
3,150.0	3,141.4	3,147.5	3,135.2	7.6	7.6	-92.54	3.4	-154.1	86.9	74.1	12.74	6.819	
3,175.0	3,166.2	3,172.5	3,159.7	7.6	7.7	-92.22	4.0	-158.4	88.8	76.0	12.83	6.920	
3,200.0	3,190.9	3,197.4	3,184.3	7.7	7.8	-91.91	4.7	-162.7	90.8	77.8	12.93	7.021	
3,212.6	3,203.4	3,210.0	3,196.7	7.8	7.8	-91.76	5.0	-164.8	91.7	78.8	12.96	7.077	
3,225.0	3,215.7	3,222.3	3,208.8	7.8	7.9	-91.62	5.3	-166.9	92.7	79.7	13.01	7.123	
3,250.0	3,240.4	3,247.2	3,233.3	7.9	8.0	-91.29	6.0	-171.2	94.6	81.5	13.12	7.216	
3,275.0	3,265.2	3,272.1	3,257.9	8.0	8.0	-90.91	6.6	-175.5	96.6	83.4	13.22	7.307	
3,300.0	3,290.0	3,297.0	3,282.4	8.1	8.1	-90.49	7.2	-179.8	98.5	85.2	13.32	7.395	
3,325.0	3,314.8	3,322.0	3,306.9	8.2	8.2	-90.01	7.9	-184.0	100.5	87.1	13.43	7.485	
3,350.0	3,339.7	3,346.9	3,331.5	8.3	8.3	-89.50	8.5	-188.3	102.5	88.9	13.53	7.573	
3,375.0	3,364.5	3,371.8	3,356.0	8.4	8.4	-88.95	9.2	-192.6	104.4	90.8	13.63	7.659	
3,400.0	3,389.4	3,396.7	3,380.5	8.4	8.5	-88.36	9.8	-196.9	106.4	92.7	13.74	7.743	
3,425.0	3,414.2	3,421.5	3,405.0	8.5	8.6	-87.73	10.5	-201.1	108.4	94.6	13.85	7.825	
3,450.0	3,439.1	3,446.4	3,429.5	8.6	8.7	-87.07	11.1	-205.4	110.4	96.5	13.97	7.905	
3,475.0	3,464.0	3,471.3	3,454.0	8.7	8.8	-86.39	11.8	-209.7	112.5	98.4	14.09	7.983	
3,500.0	3,488.9	3,496.2	3,478.5	8.8	8.9	-85.67	12.4	-213.9	114.5	100.3	14.21	8.060	
3,525.0	3,513.8	3,521.0	3,503.0	8.9	9.0	-84.92	13.1	-218.2	116.6	102.3	14.34	8.135	
3,550.0	3,538.7	3,545.9	3,527.5	9.0	9.1	-84.15	13.7	-222.5	118.8	104.3	14.47	8.209	
3,575.0	3,563.6	3,570.7	3,552.0	9.1	9.2	-83.36	14.4	-226.7	120.9	106.3	14.60	8.280	
3,600.0	3,588.5	3,595.6	3,576.4	9.1	9.3	-82.55	15.0	-231.0	123.1	108.4	14.74	8.351	
3,625.0	3,613.5	3,620.4	3,600.9	9.2	9.4	-81.72	15.7	-235.3	125.4	110.5	14.89	8.420	
3,650.0	3,638.4	3,645.2	3,625.3	9.3	9.5	-80.87	16.3	-239.5	127.6	112.6	15.04	8.488	
3,675.0	3,663.4	3,670.1	3,649.7	9.4	9.6	-80.00	16.9	-243.8	130.0	114.8	15.19	8.555	
3,700.0	3,688.3	3,694.9	3,674.2	9.5	9.7	-79.12	17.6	-248.1	132.3	117.0	15.35	8.622	
3,725.0	3,713.3	3,719.6	3,698.6	9.5	9.8	-78.23	18.2	-252.3	134.8	119.3	15.51	8.687	
3,750.0	3,738.3	3,744.4	3,723.0	9.6	9.9	-77.32	18.9	-256.6	137.3	121.6	15.68	8.752	
3,775.0	3,763.3	3,769.2	3,747.4	9.7	10.0	-76.41	19.5	-260.8	139.8	124.0	15.86	8.816	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,793.9	3,771.8	9.8	10.1	-75.49	20.2	-265.1	142.4	126.4	16.04	8.880	
3,825.0	3,813.2	3,818.7	3,796.1	9.9	10.2	-74.56	20.8	-269.3	145.1	128.9	16.22	8.944	
3,850.0	3,838.2	3,843.4	3,820.5	9.9	10.3	-73.63	21.5	-273.6	147.9	131.4	16.41	9.009	
3,875.0	3,863.2	3,868.1	3,844.8	10.0	10.4	-72.69	22.1	-277.8	150.7	134.1	16.61	9.073	
3,900.0	3,888.2	3,892.8	3,869.1	10.1	10.5	-71.75	22.7	-282.0	153.6	136.8	16.81	9.138	
3,925.0	3,913.2	3,917.5	3,893.4	10.1	10.6	-70.81	23.4	-286.3	156.6	139.5	17.01	9.205	
3,950.0	3,938.2	3,942.2	3,917.7	10.2	10.7	-69.88	24.0	-290.5	159.6	142.4	17.21	9.273	
3,975.0	3,963.2	3,966.8	3,942.0	10.2	10.9	-68.94	24.7	-294.7	162.7	145.3	17.42	9.342	
4,000.0	3,988.2	3,991.5	3,966.3	10.3	11.0	-68.00	25.3	-299.0	166.0	148.3	17.63	9.412	
4,012.8	4,001.0	4,004.1	3,978.7	10.3	11.0	-122.12	25.6	-301.1	167.7	149.9	17.73	9.454	
4,025.0	4,013.2	4,016.1	3,990.5	10.3	11.1	-121.66	25.9	-303.2	169.3	151.4	17.84	9.490	
4,050.0	4,038.2	4,040.7	4,014.8	10.3	11.2	-120.73	26.6	-307.4	172.6	154.6	18.05	9.566	
4,075.0	4,063.2	4,065.3	4,039.0	10.4	11.3	-119.84	27.2	-311.7	176.0	157.8	18.26	9.642	
4,100.0	4,088.2	4,089.9	4,063.3	10.4	11.4	-118.99	27.9	-315.9	179.5	161.0	18.46	9.720	
4,125.0	4,113.2	4,114.6	4,087.5	10.4	11.5	-118.16	28.5	-320.1	182.9	164.3	18.67	9.801	
4,150.0	4,138.2	4,139.2	4,111.8	10.4	11.6	-117.37	29.1	-324.3	186.5	167.6	18.87	9.882	
4,175.0	4,163.2	4,163.8	4,136.0	10.4	11.7	-116.60	29.8	-328.6	190.0	170.9	19.07	9.965	
4,200.0	4,188.2	4,188.4	4,160.2	10.5	11.8	-115.86	30.4	-332.8	193.6	174.3	19.26	10.049	
4,225.0	4,213.2	4,213.0	4,184.5	10.5	11.9	-115.15	31.1	-337.0	197.2	177.7	19.46	10.133	
4,250.0	4,238.2	4,237.7	4,208.7	10.5	12.0	-114.47	31.7	-341.2	200.8	181.2	19.66	10.218	
4,275.0	4,263.2	4,262.3	4,233.0	10.5	12.1	-113.81	32.3	-345.5	204.5	184.7	19.85	10.303	
4,300.0	4,288.2	4,286.9	4,257.2	10.5	12.2	-113.17	33.0	-349.7	208.2	188.2	20.04	10.388	
4,325.0	4,313.2	4,311.5	4,281.5	10.6	12.3	-112.55	33.6	-353.9	211.9	191.7	20.23	10.474	
4,350.0	4,338.2	4,336.1	4,305.7	10.6	12.4	-111.96	34.3	-358.1	215.7	195.2	20.42	10.561	
4,375.0	4,363.2	4,360.8	4,330.0	10.6	12.5	-111.39	34.9	-362.4	219.4	198.8	20.61	10.647	
4,400.0	4,388.2	4,385.4	4,354.2	10.6	12.6	-110.83	35.5	-366.6	223.2	202.4	20.79	10.734	
4,425.0	4,413.2	4,410.0	4,378.5	10.6	12.7	-110.29	36.2	-370.8	227.0	206.0	20.98	10.820	
4,450.0	4,438.2	4,434.6	4,402.7	10.7	12.8	-109.77	36.8	-375.0	230.8	209.7	21.16	10.907	
4,475.0	4,463.2	4,459.3	4,427.0	10.7	12.9	-109.27	37.5	-379.3	234.7	213.3	21.35	10.993	
4,500.0	4,488.2	4,483.9	4,451.2	10.7	13.0	-108.79	38.1	-383.5	238.5	217.0	21.53	11.080	
4,525.0	4,513.2	4,508.5	4,475.5	10.7	13.2	-108.32	38.8	-387.7	242.4	220.7	21.71	11.166	
4,550.0	4,538.2	4,533.1	4,499.7	10.7	13.3	-107.86	39.4	-392.0	246.3	224.4	21.89	11.252	
4,575.0	4,563.2	4,557.7	4,523.9	10.8	13.4	-107.42	40.0	-396.2	250.2	228.1	22.07	11.338	
4,600.0	4,588.2	4,582.4	4,548.2	10.8	13.5	-106.99	40.7	-400.4	254.1	231.9	22.24	11.424	
4,625.0	4,613.2	4,607.0	4,572.4	10.8	13.6	-106.57	41.3	-404.6	258.0	235.6	22.42	11.510	
4,650.0	4,638.2	4,631.6	4,596.7	10.8	13.7	-106.17	42.0	-408.9	262.0	239.4	22.60	11.595	
4,675.0	4,663.2	4,656.2	4,620.9	10.8	13.8	-105.78	42.6	-413.1	265.9	243.2	22.77	11.680	
4,700.0	4,688.2	4,680.8	4,645.2	10.9	13.9	-105.40	43.2	-417.3	269.9	247.0	22.94	11.764	
4,725.0	4,713.2	4,705.5	4,669.4	10.9	14.0	-105.03	43.9	-421.5	273.9	250.8	23.12	11.848	
4,750.0	4,738.2	4,730.1	4,693.7	10.9	14.1	-104.67	44.5	-425.8	277.9	254.6	23.29	11.932	
4,775.0	4,763.2	4,754.7	4,717.9	10.9	14.2	-104.33	45.2	-430.0	281.9	258.4	23.46	12.015	
4,800.0	4,788.2	4,779.3	4,742.2	10.9	14.3	-103.99	45.8	-434.2	285.9	262.3	23.63	12.098	
4,825.0	4,813.2	4,803.9	4,766.4	11.0	14.4	-103.66	46.4	-438.4	289.9	266.1	23.80	12.181	
4,850.0	4,838.2	4,828.6	4,790.7	11.0	14.5	-103.34	47.1	-442.7	294.0	270.0	23.97	12.262	
4,875.0	4,863.2	4,853.2	4,814.9	11.0	14.7	-103.03	47.7	-446.9	298.0	273.9	24.14	12.344	
4,900.0	4,888.2	4,877.8	4,839.1	11.0	14.8	-102.72	48.4	-451.1	302.0	277.7	24.31	12.425	
4,925.0	4,913.2	4,902.4	4,863.4	11.0	14.9	-102.43	49.0	-455.4	306.1	281.6	24.48	12.505	
4,950.0	4,938.2	4,927.0	4,887.6	11.1	15.0	-102.14	49.6	-459.6	310.2	285.5	24.64	12.585	
4,975.0	4,963.2	4,951.7	4,911.9	11.1	15.1	-101.86	50.3	-463.8	314.2	289.4	24.81	12.664	
5,000.0	4,988.2	4,976.3	4,936.1	11.1	15.2	-101.59	50.9	-468.0	318.3	293.3	24.98	12.743	
5,025.0	5,013.2	5,000.9	4,960.4	11.1	15.3	-101.32	51.6	-472.3	322.4	297.2	25.14	12.822	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	5,025.5	4,984.6	11.1	15.4	-101.06	52.2	-476.5	326.5	301.2	25.31	12.899	
5,075.0	5,063.2	5,050.1	5,008.9	11.2	15.5	-100.81	52.8	-480.7	330.6	305.1	25.48	12.976	
5,100.0	5,088.2	5,074.8	5,033.1	11.2	15.6	-100.56	53.5	-484.9	334.7	309.0	25.64	13.053	
5,125.0	5,113.2	5,099.4	5,057.4	11.2	15.7	-100.32	54.1	-489.2	338.8	313.0	25.80	13.129	
5,150.0	5,138.2	5,124.0	5,081.6	11.2	15.8	-100.09	54.8	-493.4	342.9	316.9	25.97	13.205	
5,175.0	5,163.2	5,148.6	5,105.9	11.2	15.9	-99.86	55.4	-497.6	347.0	320.9	26.13	13.280	
5,200.0	5,188.2	5,173.2	5,130.1	11.3	16.1	-99.63	56.0	-501.8	351.2	324.9	26.30	13.354	
5,225.0	5,213.2	5,197.9	5,154.3	11.3	16.2	-99.42	56.7	-506.1	355.3	328.8	26.46	13.428	
5,250.0	5,238.2	5,222.5	5,178.6	11.3	16.3	-99.20	57.3	-510.3	359.4	332.8	26.62	13.501	
5,275.0	5,263.2	5,247.1	5,202.8	11.3	16.4	-98.99	58.0	-514.5	363.6	336.8	26.78	13.574	
5,300.0	5,288.2	5,271.7	5,227.1	11.3	16.5	-98.79	58.6	-518.8	367.7	340.8	26.95	13.646	
5,325.0	5,313.2	5,296.3	5,251.3	11.4	16.6	-98.59	59.2	-523.0	371.9	344.7	27.11	13.717	
5,350.0	5,338.2	5,321.0	5,275.6	11.4	16.7	-98.39	59.9	-527.2	376.0	348.7	27.27	13.788	
5,375.0	5,363.2	5,345.6	5,299.8	11.4	16.8	-98.20	60.5	-531.4	380.2	352.7	27.43	13.859	
5,400.0	5,388.2	5,370.2	5,324.1	11.4	16.9	-98.01	61.2	-535.7	384.3	356.7	27.59	13.928	
5,425.0	5,413.2	5,394.8	5,348.3	11.4	17.0	-97.83	61.8	-539.9	388.5	360.7	27.75	13.998	
5,450.0	5,438.2	5,419.4	5,372.6	11.4	17.1	-97.65	62.4	-544.1	392.7	364.8	27.92	14.066	
5,475.0	5,463.2	5,444.1	5,396.8	11.5	17.2	-97.48	63.1	-548.3	396.8	368.8	28.08	14.134	
5,500.0	5,488.2	5,468.7	5,421.1	11.5	17.4	-97.31	63.7	-552.6	401.0	372.8	28.24	14.202	
5,525.0	5,513.2	5,493.3	5,445.3	11.5	17.5	-97.14	64.4	-556.8	405.2	376.8	28.40	14.269	
5,550.0	5,538.2	5,517.9	5,469.6	11.5	17.6	-96.97	65.0	-561.0	409.4	380.8	28.56	14.335	
5,575.0	5,563.2	5,542.5	5,493.8	11.5	17.7	-96.81	65.6	-565.2	413.6	384.9	28.72	14.401	
5,600.0	5,588.2	5,567.2	5,518.0	11.6	17.8	-96.65	66.3	-569.5	417.8	388.9	28.88	14.467	
5,625.0	5,613.2	5,591.8	5,542.3	11.6	17.9	-96.50	66.9	-573.7	422.0	392.9	29.04	14.532	
5,650.0	5,638.2	5,616.4	5,566.5	11.6	18.0	-96.35	67.6	-577.9	426.1	397.0	29.19	14.599	
5,675.0	5,663.2	5,642.3	5,592.1	11.6	18.1	-96.19	68.2	-582.3	430.3	401.0	29.35	14.661	
5,700.0	5,688.2	5,668.9	5,618.3	11.6	18.2	-96.04	68.9	-586.8	434.4	404.9	29.52	14.716	
5,725.0	5,713.2	5,695.6	5,644.6	11.7	18.3	-95.89	69.6	-591.1	438.4	408.7	29.68	14.768	
5,750.0	5,738.2	5,722.2	5,670.9	11.7	18.5	-95.75	70.2	-595.3	442.2	412.4	29.85	14.816	
5,775.0	5,763.2	5,748.9	5,697.3	11.7	18.6	-95.62	70.8	-599.4	446.0	415.9	30.01	14.860	
5,800.0	5,788.2	5,775.7	5,723.7	11.7	18.7	-95.49	71.4	-603.3	449.6	419.4	30.17	14.900	
5,825.0	5,813.2	5,802.5	5,750.2	11.7	18.8	-95.37	72.0	-607.2	453.1	422.8	30.34	14.936	
5,850.0	5,838.2	5,829.3	5,776.8	11.8	18.9	-95.26	72.6	-610.9	456.5	426.0	30.50	14.970	
5,875.0	5,863.2	5,856.1	5,803.4	11.8	19.0	-95.15	73.1	-614.5	459.8	429.2	30.65	15.001	
5,900.0	5,888.2	5,883.0	5,830.0	11.8	19.1	-95.04	73.6	-618.0	463.0	432.2	30.81	15.028	
5,925.0	5,913.2	5,909.9	5,856.7	11.8	19.3	-94.94	74.1	-621.4	466.1	435.1	30.96	15.053	
5,950.0	5,938.2	5,936.9	5,883.5	11.8	19.4	-94.85	74.6	-624.6	469.1	437.9	31.12	15.075	
5,975.0	5,963.2	5,963.9	5,910.3	11.9	19.5	-94.76	75.1	-627.7	471.9	440.6	31.27	15.093	
6,000.0	5,988.2	5,990.9	5,937.1	11.9	19.6	-94.67	75.6	-630.7	474.7	443.2	31.42	15.109	
6,025.0	6,013.2	6,017.9	5,964.0	11.9	19.7	-94.59	76.0	-633.6	477.3	445.7	31.56	15.122	
6,050.0	6,038.2	6,045.0	5,990.9	11.9	19.8	-94.51	76.4	-636.4	479.8	448.1	31.71	15.132	
6,075.0	6,063.2	6,072.1	6,017.9	11.9	19.9	-94.44	76.8	-639.0	482.2	450.3	31.85	15.140	
6,100.0	6,088.2	6,099.2	6,044.9	12.0	20.0	-94.37	77.2	-641.6	484.5	452.5	31.99	15.144	
6,125.0	6,113.2	6,126.4	6,071.9	12.0	20.1	-94.31	77.6	-643.9	486.7	454.5	32.13	15.147	
6,150.0	6,138.2	6,153.5	6,099.0	12.0	20.2	-94.25	77.9	-646.2	488.7	456.4	32.26	15.147	
6,175.0	6,163.2	6,180.7	6,126.1	12.0	20.3	-94.19	78.2	-648.3	490.7	458.3	32.40	15.144	
6,200.0	6,188.2	6,207.9	6,153.2	12.0	20.4	-94.14	78.5	-650.4	492.5	459.9	32.53	15.138	
6,225.0	6,213.2	6,235.1	6,180.4	12.1	20.5	-94.09	78.8	-652.3	494.2	461.5	32.66	15.132	
6,250.0	6,238.2	6,262.4	6,207.6	12.1	20.6	-94.05	79.1	-654.0	495.8	463.0	32.79	15.122	
6,275.0	6,263.2	6,289.6	6,234.8	12.1	20.7	-94.00	79.3	-655.7	497.3	464.4	32.91	15.109	
6,300.0	6,288.2	6,316.9	6,262.0	12.1	20.8	-93.97	79.6	-657.2	498.6	465.6	33.03	15.095	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,344.2	6,289.3	12.1	20.9	-93.93	79.8	-658.5	499.9	466.7	33.15	15.080	
6,350.0	6,338.2	6,371.5	6,316.5	12.2	21.0	-93.90	80.0	-659.8	501.0	467.8	33.26	15.062	
6,375.0	6,363.2	6,398.8	6,343.8	12.2	21.1	-93.87	80.1	-660.9	502.0	468.7	33.38	15.040	
6,400.0	6,388.2	6,426.1	6,371.1	12.2	21.2	-93.85	80.3	-661.9	502.9	469.5	33.48	15.021	
6,425.0	6,413.2	6,453.5	6,398.4	12.2	21.3	-93.82	80.4	-662.8	503.7	470.1	33.59	14.998	
6,450.0	6,438.2	6,480.8	6,425.8	12.2	21.3	-93.81	80.5	-663.5	504.4	470.7	33.69	14.973	
6,475.0	6,463.2	6,508.2	6,453.1	12.3	21.4	-93.79	80.6	-664.1	504.9	471.2	33.78	14.947	
6,500.0	6,488.2	6,535.5	6,480.5	12.3	21.5	-93.78	80.7	-664.6	505.4	471.5	33.86	14.924	
6,525.0	6,513.2	6,562.9	6,507.8	12.3	21.6	-93.77	80.8	-665.0	505.7	471.8	33.94	14.898	
6,550.0	6,538.2	6,590.2	6,535.2	12.3	21.6	-93.76	80.8	-665.2	505.9	471.9	34.02	14.869	
6,575.0	6,563.2	6,617.6	6,562.5	12.3	21.7	-93.76	80.8	-665.3	506.0	471.9	34.07	14.851	
6,600.0	6,588.2	6,643.1	6,588.1	12.4	21.7	-93.76	80.8	-665.3	506.0	471.9	34.09	14.841	
6,625.0	6,613.2	6,668.1	6,613.1	12.4	21.7	-93.76	80.8	-665.3	506.0	471.9	34.12	14.831	
6,650.0	6,638.2	6,693.1	6,638.1	12.4	21.7	-93.76	80.8	-665.3	506.0	471.9	34.14	14.821	
6,675.0	6,663.2	6,718.1	6,663.1	12.4	21.7	-93.76	80.8	-665.3	506.0	471.8	34.16	14.811	
6,700.0	6,688.2	6,743.1	6,688.1	12.4	21.7	-93.76	80.8	-665.3	506.0	471.8	34.19	14.800	
6,725.0	6,713.2	6,768.1	6,713.1	12.5	21.7	-93.76	80.8	-665.3	506.0	471.8	34.21	14.789	
6,750.0	6,738.2	6,793.1	6,738.1	12.5	21.7	-93.76	80.8	-665.3	506.0	471.8	34.24	14.778	
6,775.0	6,763.2	6,818.1	6,763.1	12.5	21.7	-93.76	80.8	-665.3	506.0	471.7	34.27	14.767	
6,800.0	6,788.2	6,843.1	6,788.1	12.5	21.7	-93.76	80.8	-665.3	506.0	471.7	34.29	14.756	
6,825.0	6,813.2	6,868.1	6,813.1	12.5	21.8	-93.76	80.8	-665.3	506.0	471.7	34.32	14.745	
6,850.0	6,838.2	6,893.1	6,838.1	12.6	21.8	-93.76	80.8	-665.3	506.0	471.6	34.34	14.734	
6,875.0	6,863.2	6,918.1	6,863.1	12.6	21.8	-93.76	80.8	-665.3	506.0	471.6	34.37	14.723	
6,900.0	6,888.2	6,943.1	6,888.1	12.6	21.8	-93.76	80.8	-665.3	506.0	471.6	34.39	14.712	
6,925.0	6,913.2	6,968.1	6,913.1	12.6	21.8	-93.76	80.8	-665.3	506.0	471.6	34.42	14.701	
6,950.0	6,938.2	6,993.1	6,938.1	12.6	21.8	-93.76	80.8	-665.3	506.0	471.5	34.44	14.690	
6,975.0	6,963.2	7,018.1	6,963.1	12.7	21.8	-93.76	80.8	-665.3	506.0	471.5	34.47	14.679	
7,000.0	6,988.2	7,043.1	6,988.1	12.7	21.8	-93.76	80.8	-665.3	506.0	471.5	34.50	14.668	
7,025.0	7,013.2	7,068.1	7,013.1	12.7	21.8	-93.76	80.8	-665.3	506.0	471.5	34.52	14.657	
7,050.0	7,038.2	7,093.1	7,038.1	12.7	21.8	-93.76	80.8	-665.3	506.0	471.4	34.55	14.646	
7,075.0	7,063.2	7,118.1	7,063.1	12.7	21.8	-93.76	80.8	-665.3	506.0	471.4	34.57	14.635	
7,100.0	7,088.2	7,143.1	7,088.1	12.8	21.9	-93.76	80.8	-665.3	506.0	471.4	34.60	14.624	
7,125.0	7,113.2	7,168.1	7,113.1	12.8	21.9	-93.76	80.8	-665.3	506.0	471.4	34.63	14.613	
7,150.0	7,138.2	7,193.1	7,138.1	12.8	21.9	-93.76	80.8	-665.3	506.0	471.3	34.65	14.602	
7,175.0	7,163.2	7,218.1	7,163.1	12.8	21.9	-93.76	80.8	-665.3	506.0	471.3	34.68	14.591	
7,200.0	7,188.2	7,243.1	7,188.1	12.8	21.9	-93.76	80.8	-665.3	506.0	471.3	34.70	14.580	
7,225.0	7,213.2	7,268.1	7,213.1	12.9	21.9	-93.76	80.8	-665.3	506.0	471.3	34.73	14.570	
7,250.0	7,238.2	7,293.1	7,238.1	12.9	21.9	-93.76	80.8	-665.3	506.0	471.2	34.76	14.559	
7,275.0	7,263.2	7,318.1	7,263.1	12.9	21.9	-93.76	80.8	-665.3	506.0	471.2	34.78	14.548	
7,300.0	7,288.2	7,343.1	7,288.1	12.9	21.9	-93.76	80.8	-665.3	506.0	471.2	34.81	14.537	
7,325.0	7,313.2	7,368.1	7,313.1	12.9	21.9	-93.76	80.8	-665.3	506.0	471.2	34.83	14.526	
7,350.0	7,338.2	7,393.1	7,338.1	13.0	21.9	-93.76	80.8	-665.3	506.0	471.1	34.86	14.515	
7,375.0	7,363.2	7,418.1	7,363.1	13.0	22.0	-93.76	80.8	-665.3	506.0	471.1	34.89	14.504	
7,400.0	7,388.2	7,443.1	7,388.1	13.0	22.0	-93.76	80.8	-665.3	506.0	471.1	34.91	14.493	
7,425.0	7,413.2	7,468.1	7,413.1	13.0	22.0	-93.76	80.8	-665.3	506.0	471.1	34.94	14.482	
7,450.0	7,438.2	7,493.1	7,438.1	13.0	22.0	-93.76	80.8	-665.3	506.0	471.0	34.96	14.472	
7,475.0	7,463.2	7,518.1	7,463.1	13.0	22.0	-93.76	80.8	-665.3	506.0	471.0	34.99	14.461	
7,500.0	7,488.2	7,543.1	7,488.1	13.1	22.0	-93.76	80.8	-665.3	506.0	471.0	35.02	14.450	
7,525.0	7,513.2	7,568.1	7,513.1	13.1	22.0	-93.76	80.8	-665.3	506.0	470.9	35.04	14.439	
7,550.0	7,538.2	7,593.1	7,538.1	13.1	22.0	-93.76	80.8	-665.3	506.0	470.9	35.07	14.428	
7,575.0	7,563.2	7,618.1	7,563.1	13.1	22.0	-93.76	80.8	-665.3	506.0	470.9	35.10	14.417	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,643.1	7,588.1	13.1	22.0	-93.76	80.8	-665.3	506.0	470.9	35.12	14.406	
7,625.0	7,613.2	7,668.1	7,613.1	13.2	22.1	-93.76	80.8	-665.3	506.0	470.8	35.15	14.396	
7,650.0	7,638.2	7,693.1	7,638.1	13.2	22.1	-93.76	80.8	-665.3	506.0	470.8	35.18	14.385	
7,675.0	7,663.2	7,718.1	7,663.1	13.2	22.1	-93.76	80.8	-665.3	506.0	470.8	35.20	14.374	
7,700.0	7,688.2	7,743.1	7,688.1	13.2	22.1	-93.76	80.8	-665.3	506.0	470.8	35.23	14.363	
7,725.0	7,713.2	7,768.1	7,713.1	13.2	22.1	-93.76	80.8	-665.3	506.0	470.7	35.25	14.352	
7,750.0	7,738.2	7,793.1	7,738.1	13.3	22.1	-93.76	80.8	-665.3	506.0	470.7	35.28	14.342	
7,775.0	7,763.2	7,818.1	7,763.1	13.3	22.1	-93.76	80.8	-665.3	506.0	470.7	35.31	14.331	
7,800.0	7,788.2	7,843.1	7,788.1	13.3	22.1	-93.76	80.8	-665.3	506.0	470.7	35.33	14.320	
7,825.0	7,813.2	7,868.1	7,813.1	13.3	22.1	-93.76	80.8	-665.3	506.0	470.6	35.36	14.309	
7,850.0	7,838.2	7,893.1	7,838.1	13.3	22.1	-93.76	80.8	-665.3	506.0	470.6	35.39	14.298	
7,875.0	7,863.2	7,918.1	7,863.1	13.4	22.1	-93.76	80.8	-665.3	506.0	470.6	35.41	14.288	
7,900.0	7,888.2	7,943.1	7,888.1	13.4	22.2	-93.76	80.8	-665.3	506.0	470.5	35.44	14.277	
7,925.0	7,913.2	7,968.1	7,913.1	13.4	22.2	-93.76	80.8	-665.3	506.0	470.5	35.47	14.266	
7,950.0	7,938.2	7,993.1	7,938.1	13.4	22.2	-93.76	80.8	-665.3	506.0	470.5	35.49	14.255	
7,975.0	7,963.2	8,018.1	7,963.1	13.4	22.2	-93.76	80.8	-665.3	506.0	470.5	35.52	14.245	
8,000.0	7,988.2	8,043.1	7,988.1	13.5	22.2	-93.76	80.8	-665.3	506.0	470.4	35.55	14.234	
8,025.0	8,013.2	8,068.1	8,013.1	13.5	22.2	-93.76	80.8	-665.3	506.0	470.4	35.58	14.223	
8,050.0	8,038.2	8,093.1	8,038.1	13.5	22.2	-93.76	80.8	-665.3	506.0	470.4	35.60	14.212	
8,075.0	8,063.2	8,118.1	8,063.1	13.5	22.2	-93.76	80.8	-665.3	506.0	470.4	35.63	14.202	
8,100.0	8,088.2	8,143.1	8,088.1	13.5	22.2	-93.76	80.8	-665.3	506.0	470.3	35.66	14.191	
8,125.0	8,113.2	8,168.1	8,113.1	13.6	22.2	-93.76	80.8	-665.3	506.0	470.3	35.68	14.180	
8,150.0	8,138.2	8,193.1	8,138.1	13.6	22.3	-93.76	80.8	-665.3	506.0	470.3	35.71	14.170	
8,175.0	8,163.2	8,218.1	8,163.1	13.6	22.3	-93.76	80.8	-665.3	506.0	470.3	35.74	14.159	
8,200.0	8,188.2	8,243.1	8,188.1	13.6	22.3	-93.76	80.8	-665.3	506.0	470.2	35.76	14.148	
8,225.0	8,213.2	8,268.1	8,213.1	13.6	22.3	-93.76	80.8	-665.3	506.0	470.2	35.79	14.137	
8,250.0	8,238.2	8,293.1	8,238.1	13.7	22.3	-93.76	80.8	-665.3	506.0	470.2	35.82	14.127	
8,275.0	8,263.2	8,318.1	8,263.1	13.7	22.3	-93.76	80.8	-665.3	506.0	470.1	35.84	14.116	
8,300.0	8,288.2	8,343.1	8,288.1	13.7	22.3	-93.76	80.8	-665.3	506.0	470.1	35.87	14.105	
8,325.0	8,313.2	8,368.1	8,313.1	13.7	22.3	-93.76	80.8	-665.3	506.0	470.1	35.90	14.095	
8,350.0	8,338.2	8,393.1	8,338.1	13.7	22.3	-93.76	80.8	-665.3	506.0	470.1	35.93	14.084	
8,375.0	8,363.2	8,418.1	8,363.1	13.8	22.3	-93.76	80.8	-665.3	506.0	470.0	35.95	14.073	
8,400.0	8,388.2	8,443.1	8,388.1	13.8	22.4	-93.76	80.8	-665.3	506.0	470.0	35.98	14.063	
8,425.0	8,413.2	8,468.1	8,413.1	13.8	22.4	-93.76	80.8	-665.3	506.0	470.0	36.01	14.052	
8,450.0	8,438.2	8,493.1	8,438.1	13.8	22.4	-93.76	80.8	-665.3	506.0	470.0	36.04	14.042	
8,475.0	8,463.2	8,518.1	8,463.1	13.8	22.4	-93.76	80.8	-665.3	506.0	469.9	36.06	14.031	
8,500.0	8,488.2	8,543.1	8,488.1	13.9	22.4	-93.76	80.8	-665.3	506.0	469.9	36.09	14.020	
8,525.0	8,513.2	8,568.1	8,513.1	13.9	22.4	-93.76	80.8	-665.3	506.0	469.9	36.12	14.010	
8,550.0	8,538.2	8,593.1	8,538.1	13.9	22.4	-93.76	80.8	-665.3	506.0	469.8	36.14	13.999	
8,575.0	8,563.2	8,618.1	8,563.1	13.9	22.4	-93.76	80.8	-665.3	506.0	469.8	36.17	13.989	
8,600.0	8,588.2	8,643.1	8,588.1	13.9	22.4	-93.76	80.8	-665.3	506.0	469.8	36.20	13.978	
8,625.0	8,613.2	8,668.1	8,613.1	14.0	22.4	-93.76	80.8	-665.3	506.0	469.8	36.23	13.967	
8,650.0	8,638.2	8,693.1	8,638.1	14.0	22.5	-93.76	80.8	-665.3	506.0	469.7	36.25	13.957	
8,675.0	8,663.2	8,718.1	8,663.1	14.0	22.5	-93.76	80.8	-665.3	506.0	469.7	36.28	13.946	
8,700.0	8,688.2	8,743.1	8,688.1	14.0	22.5	-93.76	80.8	-665.3	506.0	469.7	36.31	13.936	
8,725.0	8,713.2	8,768.1	8,713.1	14.0	22.5	-93.76	80.8	-665.3	506.0	469.7	36.34	13.925	
8,750.0	8,738.2	8,793.1	8,738.1	14.1	22.5	-93.76	80.8	-665.3	506.0	469.6	36.36	13.915	
8,775.0	8,763.2	8,818.1	8,763.1	14.1	22.5	-93.76	80.8	-665.3	506.0	469.6	36.39	13.904	
8,800.0	8,788.2	8,843.1	8,788.1	14.1	22.5	-93.76	80.8	-665.3	506.0	469.6	36.42	13.893	
8,825.0	8,813.2	8,868.1	8,813.1	14.1	22.5	-93.76	80.8	-665.3	506.0	469.5	36.45	13.883	
8,850.0	8,838.2	8,893.1	8,838.1	14.1	22.5	-93.76	80.8	-665.3	506.0	469.5	36.47	13.872	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,918.1	8,863.1	14.2	22.5	-93.76	80.8	-665.3	506.0	469.5	36.50	13.862	
8,900.0	8,888.2	8,943.1	8,888.1	14.2	22.6	-93.76	80.8	-665.3	506.0	469.5	36.53	13.851	
8,925.0	8,913.2	8,968.1	8,913.1	14.2	22.6	-93.76	80.8	-665.3	506.0	469.4	36.56	13.841	
8,950.0	8,938.2	8,993.1	8,938.1	14.2	22.6	-93.76	80.8	-665.3	506.0	469.4	36.59	13.830	
8,975.0	8,963.2	9,018.1	8,963.1	14.2	22.6	-93.76	80.8	-665.3	506.0	469.4	36.61	13.820	
9,000.0	8,988.2	9,043.1	8,988.1	14.3	22.6	-93.76	80.8	-665.3	506.0	469.3	36.64	13.809	
9,025.0	9,013.2	9,068.1	9,013.1	14.3	22.6	-93.76	80.8	-665.3	506.0	469.3	36.67	13.799	
9,050.0	9,038.2	9,093.1	9,038.1	14.3	22.6	-93.76	80.8	-665.3	506.0	469.3	36.70	13.788	
9,075.0	9,063.2	9,118.1	9,063.1	14.3	22.6	-93.76	80.8	-665.3	506.0	469.3	36.72	13.778	
9,100.0	9,088.2	9,143.1	9,088.1	14.3	22.6	-93.76	80.8	-665.3	506.0	469.2	36.75	13.768	
9,125.0	9,113.2	9,168.1	9,113.1	14.4	22.7	-93.76	80.8	-665.3	506.0	469.2	36.78	13.757	
9,150.0	9,138.2	9,193.1	9,138.1	14.4	22.7	-93.76	80.8	-665.3	506.0	469.2	36.81	13.747	
9,175.0	9,163.2	9,218.1	9,163.1	14.4	22.7	-93.76	80.8	-665.3	506.0	469.2	36.84	13.736	
9,200.0	9,188.2	9,243.1	9,188.1	14.4	22.7	-93.76	80.8	-665.3	506.0	469.1	36.86	13.726	
9,225.0	9,213.2	9,268.1	9,213.1	14.4	22.7	-93.76	80.8	-665.3	506.0	469.1	36.89	13.715	
9,250.0	9,238.2	9,293.1	9,238.1	14.5	22.7	-93.76	80.8	-665.3	506.0	469.1	36.92	13.705	
9,275.0	9,263.2	9,318.1	9,263.1	14.5	22.7	-93.76	80.8	-665.3	506.0	469.0	36.95	13.695	
9,300.0	9,288.2	9,343.1	9,288.1	14.5	22.7	-93.76	80.8	-665.3	506.0	469.0	36.98	13.684	
9,325.0	9,313.2	9,368.1	9,313.1	14.5	22.7	-93.76	80.8	-665.3	506.0	469.0	37.00	13.674	
9,350.0	9,338.2	9,393.1	9,338.1	14.5	22.7	-93.76	80.8	-665.3	506.0	469.0	37.03	13.663	
9,375.0	9,363.2	9,418.1	9,363.1	14.6	22.8	-93.76	80.8	-665.3	506.0	468.9	37.06	13.653	
9,400.0	9,388.2	9,443.1	9,388.1	14.6	22.8	-93.76	80.8	-665.3	506.0	468.9	37.09	13.643	
9,425.0	9,413.2	9,468.1	9,413.1	14.6	22.8	-93.76	80.8	-665.3	506.0	468.9	37.12	13.632	
9,450.0	9,438.2	9,493.1	9,438.1	14.6	22.8	-93.76	80.8	-665.3	506.0	468.8	37.15	13.622	
9,475.0	9,463.2	9,518.1	9,463.1	14.6	22.8	-93.76	80.8	-665.3	506.0	468.8	37.17	13.612	
9,500.0	9,488.2	9,543.1	9,488.1	14.7	22.8	-93.76	80.8	-665.3	506.0	468.8	37.20	13.601	
9,525.0	9,513.2	9,568.1	9,513.1	14.7	22.8	-93.76	80.8	-665.3	506.0	468.8	37.23	13.591	
9,550.0	9,538.2	9,593.1	9,538.1	14.7	22.8	-93.76	80.8	-665.3	506.0	468.7	37.26	13.581	
9,575.0	9,563.2	9,618.1	9,563.1	14.7	22.8	-93.76	80.8	-665.3	506.0	468.7	37.29	13.570	
9,600.0	9,588.2	9,643.1	9,588.1	14.7	22.9	-93.76	80.8	-665.3	506.0	468.7	37.32	13.560	
9,625.0	9,613.2	9,668.1	9,613.1	14.8	22.9	-93.76	80.8	-665.3	506.0	468.6	37.34	13.550	
9,650.0	9,638.2	9,693.1	9,638.1	14.8	22.9	-93.76	80.8	-665.3	506.0	468.6	37.37	13.539	
9,675.0	9,663.2	9,718.1	9,663.1	14.8	22.9	-93.76	80.8	-665.3	506.0	468.6	37.40	13.529	
9,700.0	9,688.2	9,743.1	9,688.1	14.8	22.9	-93.76	80.8	-665.3	506.0	468.6	37.43	13.519	
9,725.0	9,713.2	9,768.1	9,713.1	14.8	22.9	-93.76	80.8	-665.3	506.0	468.5	37.46	13.509	
9,750.0	9,738.2	9,793.1	9,738.1	14.9	22.9	-93.76	80.8	-665.3	506.0	468.5	37.49	13.498	
9,775.0	9,763.2	9,818.1	9,763.1	14.9	22.9	-93.76	80.8	-665.3	506.0	468.5	37.51	13.488	
9,800.0	9,788.2	9,843.1	9,788.1	14.9	22.9	-93.76	80.8	-665.3	506.0	468.4	37.54	13.478	
9,825.0	9,813.2	9,868.1	9,813.1	14.9	22.9	-93.76	80.8	-665.3	506.0	468.4	37.57	13.468	
9,850.0	9,838.2	9,893.1	9,838.1	14.9	23.0	-93.76	80.8	-665.3	506.0	468.4	37.60	13.457	
9,875.0	9,863.2	9,918.1	9,863.1	15.0	23.0	-93.76	80.8	-665.3	506.0	468.4	37.63	13.447	
9,900.0	9,888.2	9,943.1	9,888.1	15.0	23.0	-93.76	80.8	-665.3	506.0	468.3	37.66	13.437	
9,925.0	9,913.2	9,968.1	9,913.1	15.0	23.0	-93.76	80.8	-665.3	506.0	468.3	37.69	13.427	
9,950.0	9,938.2	9,993.1	9,938.1	15.0	23.0	-93.76	80.8	-665.3	506.0	468.3	37.71	13.416	
9,975.0	9,963.2	10,018.1	9,963.1	15.0	23.0	-93.76	80.8	-665.3	506.0	468.2	37.74	13.406	
10,000.0	9,988.2	10,043.1	9,988.1	15.1	23.0	-93.76	80.8	-665.3	506.0	468.2	37.77	13.396	
10,000.4	9,988.6	10,043.5	9,988.5	15.1	23.0	-93.76	80.8	-665.3	506.0	468.2	37.77	13.396	
10,025.0	10,013.2	10,068.1	10,013.1	15.1	23.0	-93.76	80.8	-665.3	506.0	468.2	37.78	13.393	
10,050.0	10,038.1	10,093.1	10,038.0	15.1	23.0	-93.96	80.8	-665.3	506.2	468.4	37.78	13.398	
10,075.0	10,062.9	10,117.8	10,062.8	15.1	23.1	-94.30	80.8	-665.3	506.4	468.6	37.76	13.410	
10,100.0	10,087.5	10,142.4	10,087.4	15.1	23.1	-94.76	80.8	-665.3	506.8	469.0	37.73	13.431	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,111.8	10,166.7	10,111.7	15.1	23.1	-95.33	80.8	-665.3	507.3	469.6	37.68	13.462	
10,150.0	10,135.8	10,190.7	10,135.7	15.1	23.1	-96.01	80.8	-665.3	508.0	470.4	37.62	13.504	
10,175.0	10,159.3	10,214.3	10,159.2	15.1	23.1	-96.77	80.8	-665.3	509.0	471.5	37.54	13.559	
10,200.0	10,182.4	10,237.4	10,182.3	15.1	23.1	-97.60	80.8	-665.3	510.3	472.9	37.44	13.629	
10,225.0	10,205.0	10,259.9	10,204.9	15.1	23.1	-98.48	80.8	-665.3	512.0	474.6	37.33	13.716	
10,250.0	10,227.0	10,281.9	10,226.9	15.1	23.1	-99.39	80.8	-665.3	514.1	476.9	37.19	13.823	
10,275.0	10,248.3	10,303.3	10,248.2	15.2	23.1	-100.31	80.8	-665.3	516.7	479.6	37.03	13.952	
10,300.0	10,268.9	10,323.9	10,268.8	15.2	23.1	-101.21	80.8	-665.3	519.8	483.0	36.85	14.109	
10,325.0	10,288.8	10,351.5	10,296.4	15.2	23.1	-102.53	81.6	-665.3	523.5	486.9	36.61	14.301	
10,350.0	10,307.8	10,380.8	10,325.6	15.2	23.1	-103.88	84.1	-665.3	527.5	491.2	36.37	14.507	
10,375.0	10,325.9	10,411.6	10,356.1	15.2	23.1	-105.25	88.7	-665.3	531.9	495.7	36.13	14.719	
10,400.0	10,343.1	10,444.2	10,387.9	15.2	23.1	-106.63	95.7	-665.3	536.4	500.5	35.92	14.933	
10,425.0	10,359.4	10,478.8	10,421.1	15.2	23.2	-108.02	105.5	-665.3	541.2	505.4	35.74	15.140	
10,450.0	10,374.6	10,515.5	10,455.4	15.2	23.2	-109.43	118.5	-665.3	546.0	510.4	35.61	15.333	
10,475.0	10,388.8	10,554.7	10,490.9	15.3	23.2	-110.83	135.2	-665.4	551.0	515.4	35.54	15.502	
10,500.0	10,401.9	10,596.6	10,527.1	15.3	23.2	-112.23	156.2	-665.4	555.8	520.3	35.55	15.636	
10,525.0	10,413.8	10,641.3	10,563.5	15.3	23.2	-113.60	182.0	-665.4	560.5	524.9	35.64	15.728	
10,550.0	10,424.6	10,689.1	10,599.6	15.3	23.2	-114.91	213.3	-665.5	564.9	529.1	35.83	15.769	
10,575.0	10,434.2	10,739.9	10,634.4	15.3	23.2	-116.13	250.3	-665.5	569.0	532.8	36.11	15.757	
10,600.0	10,442.5	10,793.8	10,666.8	15.4	23.2	-117.21	293.4	-665.6	572.4	536.0	36.47	15.695	
10,625.0	10,449.7	10,850.4	10,695.4	15.4	23.3	-118.11	342.2	-665.6	575.3	538.4	36.90	15.588	
10,650.0	10,455.5	10,909.4	10,718.7	15.4	23.3	-118.78	396.3	-665.7	577.3	540.0	37.37	15.449	
10,675.0	10,460.1	10,969.9	10,735.6	15.4	23.3	-119.17	454.4	-665.7	578.5	540.7	37.83	15.292	
10,700.0	10,463.4	11,020.1	10,743.8	15.5	23.4	-119.26	503.9	-665.8	578.8	540.6	38.16	15.169	
10,725.0	10,465.4	11,079.0	10,747.1	15.5	23.5	-119.15	562.6	-665.9	578.3	539.8	38.53	15.009	
10,745.4	10,466.0	11,099.3	10,747.3	15.5	23.5	-119.13	583.0	-665.9	578.1	539.5	38.59	14.981	
10,750.0	10,466.0	11,103.9	10,747.4	15.5	23.5	-119.13	587.6	-665.9	578.1	539.5	38.60	14.975	
10,775.0	10,466.3	11,128.9	10,747.6	15.6	23.5	-119.13	612.6	-665.9	578.1	539.4	38.69	14.943	
10,800.0	10,466.6	11,153.9	10,747.9	15.6	23.6	-119.13	637.6	-666.0	578.1	539.3	38.77	14.910	
10,825.0	10,466.8	11,178.9	10,748.1	15.6	23.6	-119.13	662.6	-666.0	578.1	539.2	38.86	14.875	
10,850.0	10,467.1	11,203.9	10,748.4	15.7	23.7	-119.13	687.6	-666.0	578.1	539.1	38.95	14.840	
10,875.0	10,467.4	11,228.9	10,748.6	15.7	23.7	-119.13	712.6	-666.0	578.1	539.0	39.05	14.802	
10,900.0	10,467.6	11,253.9	10,748.9	15.8	23.8	-119.13	737.6	-666.1	578.1	538.9	39.15	14.765	
10,925.0	10,467.9	11,278.9	10,749.2	15.9	23.8	-119.13	762.6	-666.1	578.1	538.8	39.26	14.725	
10,950.0	10,468.1	11,303.9	10,749.4	15.9	23.9	-119.13	787.6	-666.1	578.1	538.7	39.36	14.685	
10,975.0	10,468.4	11,328.9	10,749.7	16.0	23.9	-119.13	812.6	-666.2	578.1	538.6	39.48	14.643	
11,000.0	10,468.7	11,353.9	10,749.9	16.0	24.0	-119.13	837.6	-666.2	578.1	538.5	39.59	14.601	
11,025.0	10,468.9	11,378.9	10,750.2	16.1	24.0	-119.13	862.6	-666.2	578.1	538.3	39.71	14.557	
11,050.0	10,469.2	11,403.9	10,750.5	16.2	24.1	-119.13	887.6	-666.2	578.1	538.2	39.83	14.513	
11,075.0	10,469.4	11,428.9	10,750.7	16.3	24.2	-119.13	912.6	-666.3	578.1	538.1	39.96	14.467	
11,100.0	10,469.7	11,453.9	10,751.0	16.3	24.2	-119.13	937.6	-666.3	578.0	538.0	40.08	14.421	
11,125.0	10,470.0	11,478.9	10,751.2	16.4	24.3	-119.13	962.6	-666.3	578.0	537.8	40.22	14.373	
11,150.0	10,470.2	11,503.9	10,751.5	16.5	24.4	-119.13	987.6	-666.4	578.0	537.7	40.35	14.325	
11,175.0	10,470.5	11,528.9	10,751.7	16.6	24.4	-119.13	1,012.6	-666.4	578.0	537.6	40.49	14.276	
11,200.0	10,470.8	11,553.9	10,752.0	16.7	24.5	-119.13	1,037.6	-666.4	578.0	537.4	40.63	14.227	
11,225.0	10,471.0	11,578.9	10,752.3	16.8	24.6	-119.13	1,062.6	-666.5	578.0	537.3	40.78	14.176	
11,250.0	10,471.3	11,603.9	10,752.5	16.9	24.6	-119.13	1,087.6	-666.5	578.0	537.1	40.92	14.125	
11,275.0	10,471.5	11,628.9	10,752.8	17.0	24.7	-119.13	1,112.6	-666.5	578.0	537.0	41.08	14.072	
11,300.0	10,471.8	11,653.9	10,753.0	17.1	24.8	-119.13	1,137.6	-666.5	578.0	536.8	41.23	14.020	
11,325.0	10,472.1	11,678.9	10,753.3	17.2	24.9	-119.13	1,162.6	-666.6	578.0	536.6	41.39	13.967	
11,350.0	10,472.3	11,703.9	10,753.5	17.3	24.9	-119.13	1,187.6	-666.6	578.0	536.5	41.55	13.913	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,375.0	10,472.6	11,728.9	10,753.8	17.4	25.0	-119.13	1,212.6	-666.6	578.0	536.3	41.71	13.858	
11,400.0	10,472.8	11,753.9	10,754.1	17.5	25.1	-119.12	1,237.6	-666.7	578.0	536.2	41.88	13.803	
11,425.0	10,473.1	11,778.9	10,754.3	17.6	25.2	-119.12	1,262.6	-666.7	578.0	536.0	42.05	13.748	
11,450.0	10,473.4	11,803.9	10,754.6	17.8	25.3	-119.12	1,287.6	-666.7	578.0	535.8	42.22	13.692	
11,475.0	10,473.6	11,828.9	10,754.8	17.9	25.4	-119.12	1,312.6	-666.8	578.0	535.6	42.39	13.635	
11,500.0	10,473.9	11,853.9	10,755.1	18.0	25.5	-119.12	1,337.6	-666.8	578.0	535.5	42.57	13.579	
11,525.0	10,474.1	11,878.9	10,755.4	18.1	25.6	-119.12	1,362.6	-666.8	578.0	535.3	42.75	13.521	
11,550.0	10,474.4	11,903.9	10,755.6	18.3	25.6	-119.12	1,387.6	-666.8	578.0	535.1	42.93	13.464	
11,575.0	10,474.7	11,928.9	10,755.9	18.4	25.7	-119.12	1,412.5	-666.9	578.0	534.9	43.12	13.405	
11,600.0	10,474.9	11,953.9	10,756.1	18.5	25.8	-119.12	1,437.5	-666.9	578.0	534.7	43.31	13.347	
11,625.0	10,475.2	11,978.9	10,756.4	18.6	25.9	-119.12	1,462.5	-666.9	578.0	534.5	43.50	13.288	
11,650.0	10,475.5	12,003.9	10,756.6	18.8	26.0	-119.12	1,487.5	-667.0	578.0	534.3	43.69	13.230	
11,675.0	10,475.7	12,028.9	10,756.9	18.9	26.1	-119.12	1,512.5	-667.0	578.0	534.1	43.89	13.170	
11,700.0	10,476.0	12,053.9	10,757.2	19.0	26.2	-119.12	1,537.5	-667.0	578.0	533.9	44.09	13.111	
11,725.0	10,476.2	12,078.9	10,757.4	19.2	26.3	-119.12	1,562.5	-667.0	578.0	533.7	44.29	13.051	
11,750.0	10,476.5	12,103.9	10,757.7	19.3	26.4	-119.12	1,587.5	-667.1	578.0	533.5	44.49	12.992	
11,775.0	10,476.8	12,128.9	10,757.9	19.5	26.5	-119.12	1,612.5	-667.1	578.0	533.3	44.70	12.931	
11,800.0	10,477.0	12,153.9	10,758.2	19.6	26.7	-119.12	1,637.5	-667.1	578.0	533.1	44.91	12.872	
11,825.0	10,477.3	12,178.9	10,758.5	19.8	26.8	-119.12	1,662.5	-667.2	578.0	532.9	45.12	12.811	
11,850.0	10,477.5	12,203.9	10,758.7	19.9	26.9	-119.12	1,687.5	-667.2	578.0	532.7	45.33	12.751	
11,875.0	10,477.8	12,228.9	10,759.0	20.0	27.0	-119.12	1,712.5	-667.2	578.0	532.5	45.55	12.691	
11,900.0	10,478.1	12,253.9	10,759.2	20.2	27.1	-119.12	1,737.5	-667.3	578.0	532.2	45.76	12.630	
11,925.0	10,478.3	12,278.9	10,759.5	20.3	27.2	-119.12	1,762.5	-667.3	578.0	532.0	45.98	12.570	
11,950.0	10,478.6	12,303.9	10,759.7	20.5	27.3	-119.12	1,787.5	-667.3	578.0	531.8	46.20	12.510	
11,975.0	10,478.9	12,328.9	10,760.0	20.6	27.4	-119.12	1,812.5	-667.3	578.0	531.6	46.43	12.449	
12,000.0	10,479.1	12,353.9	10,760.3	20.8	27.6	-119.12	1,837.5	-667.4	578.0	531.3	46.66	12.389	
12,025.0	10,479.4	12,378.9	10,760.5	21.0	27.7	-119.12	1,862.5	-667.4	578.0	531.1	46.88	12.328	
12,050.0	10,479.6	12,403.9	10,760.8	21.1	27.8	-119.12	1,887.5	-667.4	578.0	530.9	47.11	12.268	
12,075.0	10,479.9	12,428.9	10,761.0	21.3	27.9	-119.12	1,912.5	-667.5	578.0	530.6	47.35	12.207	
12,100.0	10,480.2	12,453.9	10,761.3	21.4	28.0	-119.12	1,937.5	-667.5	578.0	530.4	47.58	12.147	
12,125.0	10,480.4	12,478.9	10,761.6	21.6	28.2	-119.12	1,962.5	-667.5	578.0	530.2	47.82	12.087	
12,150.0	10,480.7	12,503.9	10,761.8	21.7	28.3	-119.12	1,987.5	-667.5	578.0	529.9	48.06	12.027	
12,175.0	10,480.9	12,528.9	10,762.1	21.9	28.4	-119.12	2,012.5	-667.6	578.0	529.7	48.30	11.967	
12,200.0	10,481.2	12,553.9	10,762.3	22.1	28.5	-119.12	2,037.5	-667.6	578.0	529.4	48.54	11.908	
12,225.0	10,481.5	12,578.9	10,762.6	22.2	28.7	-119.12	2,062.5	-667.6	578.0	529.2	48.78	11.848	
12,250.0	10,481.7	12,603.9	10,762.8	22.4	28.8	-119.12	2,087.5	-667.7	578.0	529.0	49.03	11.789	
12,275.0	10,482.0	12,628.9	10,763.1	22.6	28.9	-119.11	2,112.5	-667.7	578.0	528.7	49.28	11.729	
12,300.0	10,482.3	12,653.9	10,763.4	22.7	29.1	-119.11	2,137.5	-667.7	578.0	528.5	49.53	11.670	
12,325.0	10,482.5	12,678.9	10,763.6	22.9	29.2	-119.11	2,162.5	-667.8	578.0	528.2	49.78	11.611	
12,350.0	10,482.8	12,703.9	10,763.9	23.0	29.3	-119.11	2,187.5	-667.8	578.0	527.9	50.03	11.553	
12,375.0	10,483.0	12,728.9	10,764.1	23.2	29.5	-119.11	2,212.5	-667.8	578.0	527.7	50.29	11.494	
12,400.0	10,483.3	12,753.9	10,764.4	23.4	29.6	-119.11	2,237.5	-667.8	578.0	527.4	50.54	11.436	
12,425.0	10,483.6	12,778.9	10,764.6	23.6	29.7	-119.11	2,262.5	-667.9	578.0	527.2	50.80	11.377	
12,450.0	10,483.8	12,803.9	10,764.9	23.7	29.9	-119.11	2,287.5	-667.9	578.0	526.9	51.06	11.320	
12,475.0	10,484.1	12,828.9	10,765.2	23.9	30.0	-119.11	2,312.5	-667.9	578.0	526.6	51.32	11.262	
12,500.0	10,484.3	12,853.9	10,765.4	24.1	30.1	-119.11	2,337.5	-668.0	578.0	526.4	51.58	11.205	
12,525.0	10,484.6	12,878.9	10,765.7	24.2	30.3	-119.11	2,362.5	-668.0	578.0	526.1	51.85	11.147	
12,550.0	10,484.9	12,903.9	10,765.9	24.4	30.4	-119.11	2,387.5	-668.0	578.0	525.9	52.11	11.091	
12,575.0	10,485.1	12,928.9	10,766.2	24.6	30.6	-119.11	2,412.5	-668.0	578.0	525.6	52.38	11.034	
12,600.0	10,485.4	12,953.9	10,766.5	24.8	30.7	-119.11	2,437.5	-668.1	578.0	525.3	52.65	10.977	
12,625.0	10,485.6	12,978.9	10,766.7	24.9	30.8	-119.11	2,462.5	-668.1	578.0	525.0	52.92	10.921	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,650.0	10,485.9	13,003.9	10,767.0	25.1	31.0	-119.11	2,487.5	-668.1	578.0	524.8	53.19	10.866	
12,675.0	10,486.2	13,028.9	10,767.2	25.3	31.1	-119.11	2,512.5	-668.2	578.0	524.5	53.47	10.810	
12,700.0	10,486.4	13,053.9	10,767.5	25.5	31.3	-119.11	2,537.5	-668.2	578.0	524.2	53.74	10.755	
12,725.0	10,486.7	13,078.9	10,767.7	25.6	31.4	-119.11	2,562.5	-668.2	578.0	523.9	54.02	10.700	
12,750.0	10,487.0	13,103.9	10,768.0	25.8	31.6	-119.11	2,587.5	-668.3	578.0	523.7	54.29	10.645	
12,775.0	10,487.2	13,128.9	10,768.3	26.0	31.7	-119.11	2,612.5	-668.3	578.0	523.4	54.57	10.591	
12,800.0	10,487.5	13,153.9	10,768.5	26.2	31.9	-119.11	2,637.5	-668.3	578.0	523.1	54.85	10.537	
12,825.0	10,487.7	13,178.9	10,768.8	26.3	32.0	-119.11	2,662.5	-668.3	578.0	522.8	55.13	10.483	
12,850.0	10,488.0	13,203.9	10,769.0	26.5	32.2	-119.11	2,687.5	-668.4	577.9	522.5	55.41	10.430	
12,875.0	10,488.3	13,228.9	10,769.3	26.7	32.3	-119.11	2,712.5	-668.4	577.9	522.2	55.70	10.376	
12,900.0	10,488.5	13,253.9	10,769.6	26.9	32.5	-119.11	2,737.5	-668.4	577.9	522.0	55.98	10.323	
12,925.0	10,488.8	13,278.9	10,769.8	27.1	32.6	-119.11	2,762.5	-668.5	577.9	521.7	56.27	10.271	
12,950.0	10,489.0	13,303.9	10,770.1	27.3	32.8	-119.11	2,787.5	-668.5	577.9	521.4	56.56	10.219	
12,975.0	10,489.3	13,328.9	10,770.3	27.4	32.9	-119.11	2,812.5	-668.5	577.9	521.1	56.85	10.167	
13,000.0	10,489.6	13,353.9	10,770.6	27.6	33.1	-119.11	2,837.5	-668.5	577.9	520.8	57.14	10.115	
13,025.0	10,489.8	13,378.9	10,770.8	27.8	33.2	-119.11	2,862.5	-668.6	577.9	520.5	57.43	10.064	
13,050.0	10,490.1	13,403.9	10,771.1	28.0	33.4	-119.11	2,887.5	-668.6	577.9	520.2	57.72	10.013	
13,075.0	10,490.4	13,428.9	10,771.4	28.2	33.5	-119.11	2,912.5	-668.6	577.9	519.9	58.01	9.963	
13,100.0	10,490.6	13,453.9	10,771.6	28.4	33.7	-119.11	2,937.5	-668.7	577.9	519.6	58.30	9.912	
13,125.0	10,490.9	13,478.9	10,771.9	28.5	33.8	-119.11	2,962.5	-668.7	577.9	519.3	58.60	9.862	
13,150.0	10,491.1	13,503.9	10,772.1	28.7	34.0	-119.10	2,987.5	-668.7	577.9	519.0	58.90	9.813	
13,175.0	10,491.4	13,528.9	10,772.4	28.9	34.2	-119.10	3,012.5	-668.8	577.9	518.7	59.19	9.763	
13,200.0	10,491.7	13,553.9	10,772.7	29.1	34.3	-119.10	3,037.5	-668.8	577.9	518.4	59.49	9.714	
13,225.0	10,491.9	13,578.9	10,772.9	29.3	34.5	-119.10	3,062.5	-668.8	577.9	518.1	59.79	9.666	
13,250.0	10,492.2	13,603.9	10,773.2	29.5	34.6	-119.10	3,087.5	-668.8	577.9	517.8	60.09	9.618	
13,275.0	10,492.4	13,628.9	10,773.4	29.7	34.8	-119.10	3,112.5	-668.9	577.9	517.5	60.39	9.569	
13,300.0	10,492.7	13,653.9	10,773.7	29.8	35.0	-119.10	3,137.5	-668.9	577.9	517.2	60.69	9.522	
13,325.0	10,493.0	13,678.9	10,773.9	30.0	35.1	-119.10	3,162.5	-668.9	577.9	516.9	61.00	9.474	
13,350.0	10,493.2	13,703.9	10,774.2	30.2	35.3	-119.10	3,187.5	-669.0	577.9	516.6	61.30	9.428	
13,375.0	10,493.5	13,728.9	10,774.5	30.4	35.5	-119.10	3,212.5	-669.0	577.9	516.3	61.61	9.381	
13,400.0	10,493.8	13,753.9	10,774.7	30.6	35.6	-119.10	3,237.5	-669.0	577.9	516.0	61.91	9.334	
13,425.0	10,494.0	13,778.9	10,775.0	30.8	35.8	-119.10	3,262.4	-669.0	577.9	515.7	62.22	9.288	
13,450.0	10,494.3	13,803.9	10,775.2	31.0	35.9	-119.10	3,287.4	-669.1	577.9	515.4	62.53	9.243	
13,475.0	10,494.5	13,828.9	10,775.5	31.2	36.1	-119.10	3,312.4	-669.1	577.9	515.1	62.84	9.197	
13,500.0	10,494.8	13,853.9	10,775.7	31.4	36.3	-119.10	3,337.4	-669.1	577.9	514.8	63.14	9.152	
13,525.0	10,495.1	13,878.9	10,776.0	31.5	36.4	-119.10	3,362.4	-669.2	577.9	514.5	63.46	9.107	
13,550.0	10,495.3	13,903.9	10,776.3	31.7	36.6	-119.10	3,387.4	-669.2	577.9	514.1	63.77	9.063	
13,575.0	10,495.6	13,928.9	10,776.5	31.9	36.8	-119.10	3,412.4	-669.2	577.9	513.8	64.08	9.019	
13,600.0	10,495.8	13,953.9	10,776.8	32.1	36.9	-119.10	3,437.4	-669.3	577.9	513.5	64.39	8.975	
13,625.0	10,496.1	13,978.9	10,777.0	32.3	37.1	-119.10	3,462.4	-669.3	577.9	513.2	64.70	8.932	
13,650.0	10,496.4	14,003.9	10,777.3	32.5	37.3	-119.10	3,487.4	-669.3	577.9	512.9	65.02	8.888	
13,675.0	10,496.6	14,028.9	10,777.6	32.7	37.5	-119.10	3,512.4	-669.3	577.9	512.6	65.33	8.845	
13,700.0	10,496.9	14,053.9	10,777.8	32.9	37.6	-119.10	3,537.4	-669.4	577.9	512.3	65.65	8.803	
13,725.0	10,497.1	14,078.9	10,778.1	33.1	37.8	-119.10	3,562.4	-669.4	577.9	511.9	65.97	8.761	
13,750.0	10,497.4	14,103.9	10,778.3	33.3	38.0	-119.10	3,587.4	-669.4	577.9	511.6	66.28	8.719	
13,775.0	10,497.7	14,128.9	10,778.6	33.5	38.1	-119.10	3,612.4	-669.5	577.9	511.3	66.60	8.677	
13,800.0	10,497.9	14,153.9	10,778.8	33.7	38.3	-119.10	3,637.4	-669.5	577.9	511.0	66.92	8.636	
13,825.0	10,498.2	14,178.9	10,779.1	33.9	38.5	-119.10	3,662.4	-669.5	577.9	510.7	67.24	8.595	
13,850.0	10,498.5	14,203.9	10,779.4	34.1	38.7	-119.10	3,687.4	-669.5	577.9	510.3	67.56	8.554	
13,875.0	10,498.7	14,228.9	10,779.6	34.2	38.8	-119.10	3,712.4	-669.6	577.9	510.0	67.88	8.513	
13,900.0	10,499.0	14,253.9	10,779.9	34.4	39.0	-119.10	3,737.4	-669.6	577.9	509.7	68.20	8.473	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,925.0	10,499.2	14,278.9	10,780.1	34.6	39.2	-119.10	3,762.4	-669.6	577.9	509.4	68.52	8.434	
13,950.0	10,499.5	14,303.9	10,780.4	34.8	39.3	-119.10	3,787.4	-669.7	577.9	509.0	68.85	8.394	
13,975.0	10,499.8	14,328.9	10,780.7	35.0	39.5	-119.10	3,812.4	-669.7	577.9	508.7	69.17	8.355	
14,000.0	10,500.0	14,353.9	10,780.9	35.2	39.7	-119.10	3,837.4	-669.7	577.9	508.4	69.49	8.316	
14,025.0	10,500.3	14,378.9	10,781.2	35.4	39.9	-119.09	3,862.4	-669.8	577.9	508.1	69.82	8.277	
14,050.0	10,500.5	14,403.9	10,781.4	35.6	40.0	-119.09	3,887.4	-669.8	577.9	507.7	70.14	8.239	
14,075.0	10,500.8	14,428.9	10,781.7	35.8	40.2	-119.09	3,912.4	-669.8	577.9	507.4	70.47	8.200	
14,100.0	10,501.1	14,453.9	10,781.9	36.0	40.4	-119.09	3,937.4	-669.8	577.9	507.1	70.80	8.163	
14,125.0	10,501.3	14,478.9	10,782.2	36.2	40.6	-119.09	3,962.4	-669.9	577.9	506.8	71.12	8.125	
14,150.0	10,501.6	14,503.9	10,782.5	36.4	40.7	-119.09	3,987.4	-669.9	577.9	506.4	71.45	8.088	
14,175.0	10,501.9	14,528.9	10,782.7	36.6	40.9	-119.09	4,012.4	-669.9	577.9	506.1	71.78	8.051	
14,200.0	10,502.1	14,553.9	10,783.0	36.8	41.1	-119.09	4,037.4	-670.0	577.9	505.8	72.11	8.014	
14,225.0	10,502.4	14,578.9	10,783.2	37.0	41.3	-119.09	4,062.4	-670.0	577.9	505.4	72.44	7.978	
14,250.0	10,502.6	14,603.9	10,783.5	37.2	41.5	-119.09	4,087.4	-670.0	577.9	505.1	72.77	7.941	
14,275.0	10,502.9	14,628.9	10,783.8	37.4	41.6	-119.09	4,112.4	-670.0	577.9	504.8	73.10	7.905	
14,300.0	10,503.2	14,653.9	10,784.0	37.6	41.8	-119.09	4,137.4	-670.1	577.9	504.4	73.43	7.870	
14,325.0	10,503.4	14,678.9	10,784.3	37.8	42.0	-119.09	4,162.4	-670.1	577.9	504.1	73.76	7.834	
14,350.0	10,503.7	14,703.9	10,784.5	38.0	42.2	-119.09	4,187.4	-670.1	577.9	503.8	74.09	7.799	
14,375.0	10,503.9	14,728.9	10,784.8	38.2	42.4	-119.09	4,212.4	-670.2	577.9	503.4	74.42	7.764	
14,400.0	10,504.2	14,753.9	10,785.0	38.4	42.5	-119.09	4,237.4	-670.2	577.9	503.1	74.76	7.730	
14,425.0	10,504.5	14,778.9	10,785.3	38.6	42.7	-119.09	4,262.4	-670.2	577.9	502.8	75.09	7.695	
14,450.0	10,504.7	14,803.9	10,785.6	38.8	42.9	-119.09	4,287.4	-670.3	577.9	502.4	75.42	7.661	
14,475.0	10,505.0	14,828.9	10,785.8	39.0	43.1	-119.09	4,312.4	-670.3	577.9	502.1	75.76	7.627	
14,500.0	10,505.3	14,853.9	10,786.1	39.2	43.3	-119.09	4,337.4	-670.3	577.9	501.8	76.09	7.594	
14,525.0	10,505.5	14,878.9	10,786.3	39.4	43.4	-119.09	4,362.4	-670.3	577.9	501.4	76.43	7.561	
14,550.0	10,505.8	14,903.9	10,786.6	39.6	43.6	-119.09	4,387.4	-670.4	577.9	501.1	76.77	7.527	
14,575.0	10,506.0	14,928.9	10,786.8	39.8	43.8	-119.09	4,412.4	-670.4	577.9	500.7	77.10	7.495	
14,600.0	10,506.3	14,953.9	10,787.1	40.0	44.0	-119.09	4,437.4	-670.4	577.9	500.4	77.44	7.462	
14,625.0	10,506.6	14,978.9	10,787.4	40.2	44.2	-119.09	4,462.4	-670.5	577.8	500.1	77.78	7.430	
14,650.0	10,506.8	15,003.9	10,787.6	40.4	44.4	-119.09	4,487.4	-670.5	577.8	499.7	78.12	7.397	
14,675.0	10,507.1	15,028.9	10,787.9	40.6	44.5	-119.09	4,512.4	-670.5	577.8	499.4	78.45	7.365	
14,700.0	10,507.3	15,053.9	10,788.1	40.8	44.7	-119.09	4,537.4	-670.5	577.8	499.1	78.79	7.334	
14,725.0	10,507.6	15,078.9	10,788.4	41.0	44.9	-119.09	4,562.4	-670.6	577.8	498.7	79.13	7.302	
14,750.0	10,507.9	15,103.9	10,788.7	41.2	45.1	-119.09	4,587.4	-670.6	577.8	498.4	79.47	7.271	
14,775.0	10,508.1	15,128.9	10,788.9	41.4	45.3	-119.09	4,612.4	-670.6	577.8	498.0	79.81	7.240	
14,800.0	10,508.4	15,153.9	10,789.2	41.6	45.5	-119.09	4,637.4	-670.7	577.8	497.7	80.15	7.209	
14,825.0	10,508.6	15,178.9	10,789.4	41.8	45.6	-119.09	4,662.4	-670.7	577.8	497.3	80.49	7.179	
14,850.0	10,508.9	15,203.9	10,789.7	42.0	45.8	-119.09	4,687.4	-670.7	577.8	497.0	80.83	7.148	
14,875.0	10,509.2	15,228.9	10,789.9	42.2	46.0	-119.09	4,712.4	-670.8	577.8	496.7	81.18	7.118	
14,900.0	10,509.4	15,253.9	10,790.2	42.4	46.2	-119.08	4,737.4	-670.8	577.8	496.3	81.52	7.088	
14,925.0	10,509.7	15,278.9	10,790.5	42.6	46.4	-119.08	4,762.4	-670.8	577.8	496.0	81.86	7.059	
14,950.0	10,510.0	15,303.9	10,790.7	42.8	46.6	-119.08	4,787.4	-670.8	577.8	495.6	82.20	7.029	
14,975.0	10,510.2	15,328.9	10,791.0	43.0	46.8	-119.08	4,812.4	-670.9	577.8	495.3	82.55	7.000	
15,000.0	10,510.5	15,353.9	10,791.2	43.2	47.0	-119.08	4,837.4	-670.9	577.8	494.9	82.89	6.971	
15,025.0	10,510.7	15,378.9	10,791.5	43.4	47.1	-119.08	4,862.4	-670.9	577.8	494.6	83.23	6.942	
15,050.0	10,511.0	15,403.9	10,791.8	43.6	47.3	-119.08	4,887.4	-671.0	577.8	494.2	83.58	6.914	
15,075.0	10,511.3	15,428.9	10,792.0	43.8	47.5	-119.08	4,912.4	-671.0	577.8	493.9	83.92	6.885	
15,100.0	10,511.5	15,453.9	10,792.3	44.0	47.7	-119.08	4,937.4	-671.0	577.8	493.6	84.27	6.857	
15,125.0	10,511.8	15,478.9	10,792.5	44.2	47.9	-119.08	4,962.4	-671.0	577.8	493.2	84.61	6.829	
15,150.0	10,512.0	15,503.9	10,792.8	44.4	48.1	-119.08	4,987.4	-671.1	577.8	492.9	84.96	6.801	
15,175.0	10,512.3	15,528.9	10,793.0	44.6	48.3	-119.08	5,012.4	-671.1	577.8	492.5	85.30	6.774	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,200.0	10,512.6	15,553.9	10,793.3	44.8	48.5	-119.08	5,037.4	-671.1	577.8	492.2	85.65	6.746	
15,225.0	10,512.8	15,578.9	10,793.6	45.0	48.6	-119.08	5,062.4	-671.2	577.8	491.8	86.00	6.719	
15,250.0	10,513.1	15,603.9	10,793.8	45.2	48.8	-119.08	5,087.4	-671.2	577.8	491.5	86.34	6.692	
15,275.0	10,513.4	15,628.9	10,794.1	45.4	49.0	-119.08	5,112.3	-671.2	577.8	491.1	86.69	6.665	
15,300.0	10,513.6	15,653.9	10,794.3	45.6	49.2	-119.08	5,137.3	-671.3	577.8	490.8	87.04	6.638	
15,325.0	10,513.9	15,678.9	10,794.6	45.8	49.4	-119.08	5,162.3	-671.3	577.8	490.4	87.39	6.612	
15,350.0	10,514.1	15,703.9	10,794.9	46.0	49.6	-119.08	5,187.3	-671.3	577.8	490.1	87.74	6.586	
15,375.0	10,514.4	15,728.9	10,795.1	46.2	49.8	-119.08	5,212.3	-671.3	577.8	489.7	88.09	6.560	
15,400.0	10,514.7	15,753.9	10,795.4	46.4	50.0	-119.08	5,237.3	-671.4	577.8	489.4	88.43	6.534	
15,425.0	10,514.9	15,778.9	10,795.6	46.6	50.2	-119.08	5,262.3	-671.4	577.8	489.0	88.78	6.508	
15,450.0	10,515.2	15,803.9	10,795.9	46.8	50.4	-119.08	5,287.3	-671.4	577.8	488.7	89.13	6.482	
15,475.0	10,515.4	15,828.9	10,796.1	47.0	50.5	-119.08	5,312.3	-671.5	577.8	488.3	89.48	6.457	
15,500.0	10,515.7	15,853.9	10,796.4	47.3	50.7	-119.08	5,337.3	-671.5	577.8	488.0	89.83	6.432	
15,525.0	10,516.0	15,878.9	10,796.7	47.5	50.9	-119.08	5,362.3	-671.5	577.8	487.6	90.18	6.407	
15,550.0	10,516.2	15,903.9	10,796.9	47.7	51.1	-119.08	5,387.3	-671.5	577.8	487.3	90.53	6.382	
15,575.0	10,516.5	15,928.9	10,797.2	47.9	51.3	-119.08	5,412.3	-671.6	577.8	486.9	90.89	6.357	
15,600.0	10,516.7	15,953.9	10,797.4	48.1	51.5	-119.08	5,437.3	-671.6	577.8	486.6	91.24	6.333	
15,625.0	10,517.0	15,978.9	10,797.7	48.3	51.7	-119.08	5,462.3	-671.6	577.8	486.2	91.59	6.309	
15,650.0	10,517.3	16,003.9	10,797.9	48.5	51.9	-119.08	5,487.3	-671.7	577.8	485.9	91.94	6.284	
15,675.0	10,517.5	16,028.9	10,798.2	48.7	52.1	-119.08	5,512.3	-671.7	577.8	485.5	92.29	6.260	
15,700.0	10,517.8	16,053.9	10,798.5	48.9	52.3	-119.08	5,537.3	-671.7	577.8	485.1	92.64	6.237	
15,725.0	10,518.1	16,078.9	10,798.7	49.1	52.5	-119.08	5,562.3	-671.8	577.8	484.8	93.00	6.213	
15,750.0	10,518.3	16,103.9	10,799.0	49.3	52.7	-119.08	5,587.3	-671.8	577.8	484.4	93.35	6.189	
15,775.0	10,518.6	16,128.9	10,799.2	49.5	52.8	-119.07	5,612.3	-671.8	577.8	484.1	93.70	6.166	
15,800.0	10,518.8	16,153.9	10,799.5	49.7	53.0	-119.07	5,637.3	-671.8	577.8	483.7	94.06	6.143	
15,825.0	10,519.1	16,178.9	10,799.8	49.9	53.2	-119.07	5,662.3	-671.9	577.8	483.4	94.41	6.120	
15,850.0	10,519.4	16,203.9	10,800.0	50.1	53.4	-119.07	5,687.3	-671.9	577.8	483.0	94.76	6.097	
15,875.0	10,519.6	16,228.9	10,800.3	50.3	53.6	-119.07	5,712.3	-671.9	577.8	482.7	95.12	6.074	
15,900.0	10,519.9	16,253.9	10,800.5	50.5	53.8	-119.07	5,737.3	-672.0	577.8	482.3	95.47	6.052	
15,925.0	10,520.1	16,278.9	10,800.8	50.7	54.0	-119.07	5,762.3	-672.0	577.8	481.9	95.83	6.029	
15,950.0	10,520.4	16,303.9	10,801.0	50.9	54.2	-119.07	5,787.3	-672.0	577.8	481.6	96.18	6.007	
15,975.0	10,520.7	16,328.9	10,801.3	51.1	54.4	-119.07	5,812.3	-672.0	577.8	481.2	96.54	5.985	
16,000.0	10,520.9	16,353.9	10,801.6	51.4	54.6	-119.07	5,837.3	-672.1	577.8	480.9	96.89	5.963	
16,025.0	10,521.2	16,378.9	10,801.8	51.6	54.8	-119.07	5,862.3	-672.1	577.8	480.5	97.25	5.941	
16,050.0	10,521.5	16,403.9	10,802.1	51.8	55.0	-119.07	5,887.3	-672.1	577.8	480.2	97.60	5.919	
16,075.0	10,521.7	16,428.9	10,802.3	52.0	55.2	-119.07	5,912.3	-672.2	577.8	479.8	97.96	5.898	
16,100.0	10,522.0	16,453.9	10,802.6	52.2	55.4	-119.07	5,937.3	-672.2	577.8	479.4	98.32	5.877	
16,125.0	10,522.2	16,478.9	10,802.9	52.4	55.6	-119.07	5,962.3	-672.2	577.8	479.1	98.67	5.855	
16,150.0	10,522.5	16,503.9	10,803.1	52.6	55.8	-119.07	5,987.3	-672.3	577.8	478.7	99.03	5.834	
16,175.0	10,522.8	16,528.9	10,803.4	52.8	56.0	-119.07	6,012.3	-672.3	577.8	478.4	99.39	5.813	
16,200.0	10,523.0	16,553.9	10,803.6	53.0	56.2	-119.07	6,037.3	-672.3	577.8	478.0	99.74	5.792	
16,225.0	10,523.3	16,578.9	10,803.9	53.2	56.3	-119.07	6,062.3	-672.3	577.8	477.7	100.10	5.772	
16,250.0	10,523.5	16,603.9	10,804.1	53.4	56.5	-119.07	6,087.3	-672.4	577.8	477.3	100.46	5.751	
16,275.0	10,523.8	16,628.9	10,804.4	53.6	56.7	-119.07	6,112.3	-672.4	577.8	476.9	100.82	5.731	
16,300.0	10,524.1	16,653.9	10,804.7	53.8	56.9	-119.07	6,137.3	-672.4	577.8	476.6	101.18	5.710	
16,325.0	10,524.3	16,678.9	10,804.9	54.0	57.1	-119.07	6,162.3	-672.5	577.8	476.2	101.53	5.690	
16,350.0	10,524.6	16,703.9	10,805.2	54.2	57.3	-119.07	6,187.3	-672.5	577.8	475.9	101.89	5.670	
16,375.0	10,524.9	16,728.9	10,805.4	54.4	57.5	-119.07	6,212.3	-672.5	577.7	475.5	102.25	5.650	
16,400.0	10,525.1	16,753.9	10,805.7	54.7	57.7	-119.07	6,237.3	-672.5	577.7	475.1	102.61	5.631	
16,425.0	10,525.4	16,778.9	10,805.9	54.9	57.9	-119.07	6,262.3	-672.6	577.7	474.8	102.97	5.611	
16,450.0	10,525.6	16,803.9	10,806.2	55.1	58.1	-119.07	6,287.3	-672.6	577.7	474.4	103.33	5.591	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,475.0	10,525.9	16,828.9	10,806.5	55.3	58.3	-119.07	6,312.3	-672.6	577.7	474.1	103.69	5.572	
16,500.0	10,526.2	16,853.9	10,806.7	55.5	58.5	-119.07	6,337.3	-672.7	577.7	473.7	104.05	5.553	
16,525.0	10,526.4	16,878.9	10,807.0	55.7	58.7	-119.07	6,362.3	-672.7	577.7	473.3	104.41	5.534	
16,550.0	10,526.7	16,903.9	10,807.2	55.9	58.9	-119.07	6,387.3	-672.7	577.7	473.0	104.77	5.515	
16,575.0	10,526.9	16,928.9	10,807.5	56.1	59.1	-119.07	6,412.3	-672.8	577.7	472.6	105.13	5.496	
16,600.0	10,527.2	16,953.9	10,807.8	56.3	59.3	-119.07	6,437.3	-672.8	577.7	472.2	105.49	5.477	
16,625.0	10,527.5	16,978.9	10,808.0	56.5	59.5	-119.07	6,462.3	-672.8	577.7	471.9	105.85	5.458	
16,650.0	10,527.7	17,003.9	10,808.3	56.7	59.7	-119.06	6,487.3	-672.8	577.7	471.5	106.21	5.440	
16,675.0	10,528.0	17,028.9	10,808.5	56.9	59.9	-119.06	6,512.3	-672.9	577.7	471.2	106.57	5.421	
16,700.0	10,528.2	17,053.9	10,808.8	57.1	60.1	-119.06	6,537.3	-672.9	577.7	470.8	106.93	5.403	
16,725.0	10,528.5	17,078.9	10,809.0	57.3	60.3	-119.06	6,562.3	-672.9	577.7	470.4	107.29	5.385	
16,750.0	10,528.8	17,103.9	10,809.3	57.6	60.5	-119.06	6,587.3	-673.0	577.7	470.1	107.65	5.367	
16,775.0	10,529.0	17,128.9	10,809.6	57.8	60.7	-119.06	6,612.3	-673.0	577.7	469.7	108.01	5.349	
16,800.0	10,529.3	17,153.9	10,809.8	58.0	60.9	-119.06	6,637.3	-673.0	577.7	469.3	108.38	5.331	
16,825.0	10,529.6	17,178.9	10,810.1	58.2	61.1	-119.06	6,662.3	-673.0	577.7	469.0	108.74	5.313	
16,850.0	10,529.8	17,203.9	10,810.3	58.4	61.3	-119.06	6,687.3	-673.1	577.7	468.6	109.10	5.295	
16,875.0	10,530.1	17,228.9	10,810.6	58.6	61.5	-119.06	6,712.3	-673.1	577.7	468.3	109.46	5.278	
16,900.0	10,530.3	17,253.9	10,810.9	58.8	61.7	-119.06	6,737.3	-673.1	577.7	467.9	109.82	5.260	
16,925.0	10,530.6	17,278.9	10,811.1	59.0	61.9	-119.06	6,762.3	-673.2	577.7	467.5	110.19	5.243	
16,950.0	10,530.9	17,303.9	10,811.4	59.2	62.1	-119.06	6,787.3	-673.2	577.7	467.2	110.55	5.226	
16,975.0	10,531.1	17,328.9	10,811.6	59.4	62.3	-119.06	6,812.3	-673.2	577.7	466.8	110.91	5.209	
17,000.0	10,531.4	17,353.9	10,811.9	59.6	62.5	-119.06	6,837.3	-673.3	577.7	466.4	111.28	5.192	
17,025.0	10,531.6	17,378.9	10,812.1	59.8	62.7	-119.06	6,862.3	-673.3	577.7	466.1	111.64	5.175	
17,050.0	10,531.9	17,403.9	10,812.4	60.0	62.9	-119.06	6,887.3	-673.3	577.7	465.7	112.00	5.158	
17,075.0	10,532.2	17,428.9	10,812.7	60.3	63.1	-119.06	6,912.3	-673.3	577.7	465.3	112.37	5.141	
17,100.0	10,532.4	17,453.9	10,812.9	60.5	63.3	-119.06	6,937.3	-673.4	577.7	465.0	112.73	5.125	
17,125.0	10,532.7	17,478.9	10,813.2	60.7	63.5	-119.06	6,962.2	-673.4	577.7	464.6	113.09	5.108	
17,150.0	10,533.0	17,503.9	10,813.4	60.9	63.7	-119.06	6,987.2	-673.4	577.7	464.2	113.46	5.092	
17,175.0	10,533.2	17,528.9	10,813.7	61.1	63.9	-119.06	7,012.2	-673.5	577.7	463.9	113.82	5.076	
17,200.0	10,533.5	17,553.9	10,814.0	61.3	64.1	-119.06	7,037.2	-673.5	577.7	463.5	114.19	5.059	
17,225.0	10,533.7	17,578.9	10,814.2	61.5	64.3	-119.06	7,062.2	-673.5	577.7	463.2	114.55	5.043	
17,250.0	10,534.0	17,603.9	10,814.5	61.7	64.5	-119.06	7,087.2	-673.5	577.7	462.8	114.91	5.027	
17,275.0	10,534.3	17,628.9	10,814.7	61.9	64.7	-119.06	7,112.2	-673.6	577.7	462.4	115.28	5.011	
17,300.0	10,534.5	17,653.9	10,815.0	62.1	64.9	-119.06	7,137.2	-673.6	577.7	462.1	115.64	4.996	
17,325.0	10,534.8	17,678.9	10,815.2	62.3	65.1	-119.06	7,162.2	-673.6	577.7	461.7	116.01	4.980	
17,350.0	10,535.0	17,703.9	10,815.5	62.5	65.3	-119.06	7,187.2	-673.7	577.7	461.3	116.37	4.964	
17,375.0	10,535.3	17,728.9	10,815.8	62.8	65.5	-119.06	7,212.2	-673.7	577.7	461.0	116.74	4.949	
17,400.0	10,535.6	17,753.9	10,816.0	63.0	65.7	-119.06	7,237.2	-673.7	577.7	460.6	117.10	4.933	
17,425.0	10,535.8	17,778.9	10,816.3	63.2	65.9	-119.06	7,262.2	-673.8	577.7	460.2	117.47	4.918	
17,450.0	10,536.1	17,803.9	10,816.5	63.4	66.1	-119.06	7,287.2	-673.8	577.7	459.9	117.83	4.903	
17,475.0	10,536.4	17,828.9	10,816.8	63.6	66.3	-119.06	7,312.2	-673.8	577.7	459.5	118.20	4.887	
17,500.0	10,536.6	17,853.9	10,817.0	63.8	66.5	-119.05	7,337.2	-673.8	577.7	459.1	118.57	4.872	
17,525.0	10,536.9	17,878.9	10,817.3	64.0	66.7	-119.05	7,362.2	-673.9	577.7	458.8	118.93	4.857	
17,550.0	10,537.1	17,903.9	10,817.6	64.2	66.9	-119.05	7,387.2	-673.9	577.7	458.4	119.30	4.842	
17,575.0	10,537.4	17,928.9	10,817.8	64.4	67.1	-119.05	7,412.2	-673.9	577.7	458.0	119.66	4.828	
17,600.0	10,537.7	17,953.9	10,818.1	64.6	67.3	-119.05	7,437.2	-674.0	577.7	457.6	120.03	4.813	
17,625.0	10,537.9	17,978.9	10,818.3	64.8	67.5	-119.05	7,462.2	-674.0	577.7	457.3	120.40	4.798	
17,650.0	10,538.2	18,003.9	10,818.6	65.0	67.7	-119.05	7,487.2	-674.0	577.7	456.9	120.76	4.784	
17,675.0	10,538.4	18,028.9	10,818.9	65.3	67.9	-119.05	7,512.2	-674.0	577.7	456.5	121.13	4.769	
17,700.0	10,538.7	18,053.9	10,819.1	65.5	68.1	-119.05	7,537.2	-674.1	577.7	456.2	121.50	4.755	
17,725.0	10,539.0	18,078.9	10,819.4	65.7	68.3	-119.05	7,562.2	-674.1	577.7	455.8	121.86	4.740	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,750.0	10,539.2	18,103.9	10,819.6	65.9	68.5	-119.05	7,587.2	-674.1	577.7	455.4	122.23	4.726	
17,775.0	10,539.5	18,128.9	10,819.9	66.1	68.7	-119.05	7,612.2	-674.2	577.7	455.1	122.60	4.712	
17,800.0	10,539.7	18,153.9	10,820.1	66.3	68.9	-119.05	7,637.2	-674.2	577.7	454.7	122.97	4.698	
17,825.0	10,540.0	18,178.9	10,820.4	66.5	69.1	-119.05	7,662.2	-674.2	577.7	454.3	123.33	4.684	
17,850.0	10,540.3	18,203.9	10,820.7	66.7	69.3	-119.05	7,687.2	-674.3	577.7	454.0	123.70	4.670	
17,875.0	10,540.5	18,228.9	10,820.9	66.9	69.5	-119.05	7,712.2	-674.3	577.7	453.6	124.07	4.656	
17,900.0	10,540.8	18,253.9	10,821.2	67.1	69.7	-119.05	7,737.2	-674.3	577.7	453.2	124.44	4.642	
17,925.0	10,541.1	18,278.9	10,821.4	67.3	69.9	-119.05	7,762.2	-674.3	577.7	452.9	124.80	4.629	
17,950.0	10,541.3	18,303.9	10,821.7	67.6	70.1	-119.05	7,787.2	-674.4	577.7	452.5	125.17	4.615	
17,975.0	10,541.6	18,328.9	10,822.0	67.8	70.3	-119.05	7,812.2	-674.4	577.7	452.1	125.54	4.601	
18,000.0	10,541.8	18,353.9	10,822.2	68.0	70.5	-119.05	7,837.2	-674.4	577.7	451.7	125.91	4.588	
18,025.0	10,542.1	18,378.9	10,822.5	68.2	70.7	-119.05	7,862.2	-674.5	577.7	451.4	126.28	4.575	
18,050.0	10,542.4	18,403.9	10,822.7	68.4	70.9	-119.05	7,887.2	-674.5	577.7	451.0	126.64	4.561	
18,075.0	10,542.6	18,428.9	10,823.0	68.6	71.1	-119.05	7,912.2	-674.5	577.7	450.6	127.01	4.548	
18,100.0	10,542.9	18,453.9	10,823.2	68.8	71.3	-119.05	7,937.2	-674.5	577.7	450.3	127.38	4.535	
18,125.0	10,543.1	18,478.9	10,823.5	69.0	71.5	-119.05	7,962.2	-674.6	577.6	449.9	127.75	4.522	
18,150.0	10,543.4	18,503.9	10,823.8	69.2	71.7	-119.05	7,987.2	-674.6	577.6	449.5	128.12	4.509	
18,175.0	10,543.7	18,528.9	10,824.0	69.4	71.9	-119.05	8,012.2	-674.6	577.6	449.2	128.49	4.496	
18,200.0	10,543.9	18,553.9	10,824.3	69.7	72.1	-119.05	8,037.2	-674.7	577.6	448.8	128.86	4.483	
18,225.0	10,544.2	18,578.9	10,824.5	69.9	72.3	-119.05	8,062.2	-674.7	577.6	448.4	129.23	4.470	
18,250.0	10,544.5	18,603.9	10,824.8	70.1	72.5	-119.05	8,087.2	-674.7	577.6	448.0	129.59	4.457	
18,275.0	10,544.7	18,628.9	10,825.1	70.3	72.7	-119.05	8,112.2	-674.8	577.6	447.7	129.96	4.445	
18,300.0	10,545.0	18,653.9	10,825.3	70.5	72.9	-119.05	8,137.2	-674.8	577.6	447.3	130.33	4.432	
18,325.0	10,545.2	18,678.9	10,825.6	70.7	73.1	-119.05	8,162.2	-674.8	577.6	446.9	130.70	4.419	
18,350.0	10,545.5	18,703.9	10,825.8	70.9	73.4	-119.05	8,187.2	-674.8	577.6	446.6	131.07	4.407	
18,375.0	10,545.8	18,728.9	10,826.1	71.1	73.6	-119.04	8,212.2	-674.9	577.6	446.2	131.44	4.395	
18,400.0	10,546.0	18,753.9	10,826.3	71.3	73.8	-119.04	8,237.2	-674.9	577.6	445.8	131.81	4.382	
18,425.0	10,546.3	18,778.9	10,826.6	71.5	74.0	-119.04	8,262.2	-674.9	577.6	445.5	132.18	4.370	
18,450.0	10,546.5	18,803.9	10,826.9	71.7	74.2	-119.04	8,287.2	-675.0	577.6	445.1	132.55	4.358	
18,475.0	10,546.8	18,828.9	10,827.1	72.0	74.4	-119.04	8,312.2	-675.0	577.6	444.7	132.92	4.346	
18,500.0	10,547.1	18,853.9	10,827.4	72.2	74.6	-119.04	8,337.2	-675.0	577.6	444.3	133.29	4.334	
18,525.0	10,547.3	18,878.9	10,827.6	72.4	74.8	-119.04	8,362.2	-675.0	577.6	444.0	133.66	4.322	
18,550.0	10,547.6	18,903.9	10,827.9	72.6	75.0	-119.04	8,387.2	-675.1	577.6	443.6	134.03	4.310	
18,575.0	10,547.9	18,928.9	10,828.1	72.8	75.2	-119.04	8,412.2	-675.1	577.6	443.2	134.40	4.298	
18,600.0	10,548.1	18,953.9	10,828.4	73.0	75.4	-119.04	8,437.2	-675.1	577.6	442.9	134.77	4.286	
18,625.0	10,548.4	18,978.9	10,828.7	73.2	75.6	-119.04	8,462.2	-675.2	577.6	442.5	135.14	4.274	
18,650.0	10,548.6	19,003.9	10,828.9	73.4	75.8	-119.04	8,487.2	-675.2	577.6	442.1	135.51	4.262	
18,675.0	10,548.9	19,028.9	10,829.2	73.6	76.0	-119.04	8,512.2	-675.2	577.6	441.7	135.88	4.251	
18,700.0	10,549.2	19,053.9	10,829.4	73.8	76.2	-119.04	8,537.2	-675.3	577.6	441.4	136.26	4.239	
18,725.0	10,549.4	19,078.9	10,829.7	74.1	76.4	-119.04	8,562.2	-675.3	577.6	441.0	136.63	4.228	
18,750.0	10,549.7	19,103.9	10,830.0	74.3	76.6	-119.04	8,587.2	-675.3	577.6	440.6	137.00	4.216	
18,775.0	10,549.9	19,128.9	10,830.2	74.5	76.8	-119.04	8,612.2	-675.3	577.6	440.2	137.37	4.205	
18,800.0	10,550.2	19,153.9	10,830.5	74.7	77.0	-119.04	8,637.2	-675.4	577.6	439.9	137.74	4.194	
18,825.0	10,550.5	19,178.9	10,830.7	74.9	77.2	-119.04	8,662.2	-675.4	577.6	439.5	138.11	4.182	
18,850.0	10,550.7	19,203.9	10,831.0	75.1	77.4	-119.04	8,687.2	-675.4	577.6	439.1	138.48	4.171	
18,875.0	10,551.0	19,228.9	10,831.2	75.3	77.6	-119.04	8,712.2	-675.5	577.6	438.8	138.85	4.160	
18,900.0	10,551.2	19,253.9	10,831.5	75.5	77.8	-119.04	8,737.2	-675.5	577.6	438.4	139.22	4.149	
18,925.0	10,551.5	19,278.9	10,831.8	75.7	78.0	-119.04	8,762.2	-675.5	577.6	438.0	139.60	4.138	
18,950.0	10,551.8	19,303.9	10,832.0	76.0	78.3	-119.04	8,787.2	-675.6	577.6	437.6	139.97	4.127	
18,975.0	10,552.0	19,328.9	10,832.3	76.2	78.5	-119.04	8,812.1	-675.6	577.6	437.3	140.34	4.116	
19,000.0	10,552.3	19,353.9	10,832.5	76.4	78.7	-119.04	8,837.1	-675.6	577.6	436.9	140.71	4.105	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,025.0	10,552.6	19,378.9	10,832.8	76.6	78.9	-119.04	8,862.1	-675.6	577.6	436.5	141.08	4.094	
19,050.0	10,552.8	19,403.9	10,833.1	76.8	79.1	-119.04	8,887.1	-675.7	577.6	436.1	141.45	4.083	
19,075.0	10,553.1	19,428.9	10,833.3	77.0	79.3	-119.04	8,912.1	-675.7	577.6	435.8	141.83	4.073	
19,100.0	10,553.3	19,453.9	10,833.6	77.2	79.5	-119.04	8,937.1	-675.7	577.6	435.4	142.20	4.062	
19,125.0	10,553.6	19,478.9	10,833.8	77.4	79.7	-119.04	8,962.1	-675.8	577.6	435.0	142.57	4.051	
19,150.0	10,553.9	19,503.9	10,834.1	77.6	79.9	-119.04	8,987.1	-675.8	577.6	434.6	142.94	4.041	
19,175.0	10,554.1	19,528.9	10,834.3	77.8	80.1	-119.04	9,012.1	-675.8	577.6	434.3	143.32	4.030	
19,200.0	10,554.4	19,553.9	10,834.6	78.1	80.3	-119.04	9,037.1	-675.8	577.6	433.9	143.69	4.020	
19,225.0	10,554.6	19,578.9	10,834.9	78.3	80.5	-119.04	9,062.1	-675.9	577.6	433.5	144.06	4.009	
19,250.0	10,554.9	19,603.9	10,835.1	78.5	80.7	-119.03	9,087.1	-675.9	577.6	433.2	144.43	3.999	
19,275.0	10,555.2	19,628.9	10,835.4	78.7	80.9	-119.03	9,112.1	-675.9	577.6	432.8	144.81	3.989	
19,300.0	10,555.4	19,653.9	10,835.6	78.9	81.1	-119.03	9,137.1	-676.0	577.6	432.4	145.18	3.978	
19,325.0	10,555.7	19,678.9	10,835.9	79.1	81.3	-119.03	9,162.1	-676.0	577.6	432.0	145.55	3.968	
19,350.0	10,556.0	19,703.9	10,836.2	79.3	81.5	-119.03	9,187.1	-676.0	577.6	431.7	145.92	3.958	
19,375.0	10,556.2	19,728.9	10,836.4	79.5	81.7	-119.03	9,212.1	-676.1	577.6	431.3	146.30	3.948	
19,400.0	10,556.5	19,753.9	10,836.7	79.7	81.9	-119.03	9,237.1	-676.1	577.6	430.9	146.67	3.938	
19,425.0	10,556.7	19,778.9	10,836.9	80.0	82.1	-119.03	9,262.1	-676.1	577.6	430.5	147.04	3.928	
19,450.0	10,557.0	19,803.9	10,837.2	80.2	82.4	-119.03	9,287.1	-676.1	577.6	430.2	147.41	3.918	
19,475.0	10,557.3	19,828.9	10,837.4	80.4	82.6	-119.03	9,312.1	-676.2	577.6	429.8	147.79	3.908	
19,500.0	10,557.5	19,853.9	10,837.7	80.6	82.8	-119.03	9,337.1	-676.2	577.6	429.4	148.16	3.898	
19,525.0	10,557.8	19,878.9	10,838.0	80.8	83.0	-119.03	9,362.1	-676.2	577.6	429.0	148.53	3.888	
19,550.0	10,558.0	19,903.9	10,838.2	81.0	83.2	-119.03	9,387.1	-676.3	577.6	428.7	148.91	3.879	
19,575.0	10,558.3	19,928.9	10,838.5	81.2	83.4	-119.03	9,412.1	-676.3	577.6	428.3	149.28	3.869	
19,600.0	10,558.6	19,953.9	10,838.7	81.4	83.6	-119.03	9,437.1	-676.3	577.6	427.9	149.65	3.859	
19,625.0	10,558.8	19,978.9	10,839.0	81.6	83.8	-119.03	9,462.1	-676.3	577.6	427.5	150.03	3.850	
19,650.0	10,559.1	20,003.9	10,839.2	81.8	84.0	-119.03	9,487.1	-676.4	577.6	427.2	150.40	3.840	
19,675.0	10,559.3	20,028.9	10,839.5	82.1	84.2	-119.03	9,512.1	-676.4	577.6	426.8	150.78	3.831	
19,700.0	10,559.6	20,053.9	10,839.8	82.3	84.4	-119.03	9,537.1	-676.4	577.6	426.4	151.15	3.821	
19,725.0	10,559.9	20,078.9	10,840.0	82.5	84.6	-119.03	9,562.1	-676.5	577.6	426.0	151.52	3.812	
19,750.0	10,560.1	20,103.9	10,840.3	82.7	84.8	-119.03	9,587.1	-676.5	577.6	425.7	151.90	3.802	
19,775.0	10,560.4	20,128.9	10,840.5	82.9	85.0	-119.03	9,612.1	-676.5	577.6	425.3	152.27	3.793	
19,800.0	10,560.7	20,153.9	10,840.8	83.1	85.2	-119.03	9,637.1	-676.6	577.6	424.9	152.64	3.784	
19,825.0	10,560.9	20,178.9	10,841.1	83.3	85.4	-119.03	9,662.1	-676.6	577.6	424.5	153.02	3.774	
19,850.0	10,561.2	20,203.9	10,841.3	83.5	85.7	-119.03	9,687.1	-676.6	577.6	424.2	153.39	3.765	
19,875.0	10,561.4	20,228.9	10,841.6	83.7	85.9	-119.03	9,712.1	-676.6	577.6	423.8	153.77	3.756	
19,900.0	10,561.7	20,253.9	10,841.8	84.0	86.1	-119.03	9,737.1	-676.7	577.5	423.4	154.14	3.747	
19,925.0	10,562.0	20,278.9	10,842.1	84.2	86.3	-119.03	9,762.1	-676.7	577.5	423.0	154.51	3.738	
19,950.0	10,562.2	20,303.9	10,842.3	84.4	86.5	-119.03	9,787.1	-676.7	577.5	422.7	154.89	3.729	
19,975.0	10,562.5	20,328.9	10,842.6	84.6	86.7	-119.03	9,812.1	-676.8	577.5	422.3	155.26	3.720	
20,000.0	10,562.7	20,353.9	10,842.9	84.8	86.9	-119.03	9,837.1	-676.8	577.5	421.9	155.64	3.711	
20,025.0	10,563.0	20,378.9	10,843.1	85.0	87.1	-119.03	9,862.1	-676.8	577.5	421.5	156.01	3.702	
20,050.0	10,563.3	20,403.9	10,843.4	85.2	87.3	-119.03	9,887.1	-676.8	577.5	421.2	156.39	3.693	
20,075.0	10,563.5	20,428.9	10,843.6	85.4	87.5	-119.03	9,912.1	-676.9	577.5	420.8	156.76	3.684	
20,100.0	10,563.8	20,453.9	10,843.9	85.6	87.7	-119.03	9,937.1	-676.9	577.5	420.4	157.14	3.675	
20,125.0	10,564.1	20,478.9	10,844.2	85.9	87.9	-119.02	9,962.1	-676.9	577.5	420.0	157.51	3.667	
20,150.0	10,564.3	20,503.9	10,844.4	86.1	88.1	-119.02	9,987.1	-677.0	577.5	419.6	157.89	3.658	
20,175.0	10,564.6	20,528.9	10,844.7	86.3	88.3	-119.02	10,012.1	-677.0	577.5	419.3	158.26	3.649	
20,200.0	10,564.8	20,553.9	10,844.9	86.5	88.5	-119.02	10,037.1	-677.0	577.5	418.9	158.63	3.641	
20,225.0	10,565.1	20,578.9	10,845.2	86.7	88.8	-119.02	10,062.1	-677.1	577.5	418.5	159.01	3.632	
20,250.0	10,565.4	20,603.9	10,845.4	86.9	89.0	-119.02	10,087.1	-677.1	577.5	418.1	159.38	3.623	
20,275.0	10,565.6	20,628.9	10,845.7	87.1	89.2	-119.02	10,112.1	-677.1	577.5	417.8	159.76	3.615	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,300.0	10,565.9	20,653.9	10,846.0	87.3	89.4	-119.02	10,137.1	-677.1	577.5	417.4	160.13	3.607	
20,325.0	10,566.1	20,678.9	10,846.2	87.5	89.6	-119.02	10,162.1	-677.2	577.5	417.0	160.51	3.598	
20,350.0	10,566.4	20,703.9	10,846.5	87.8	89.8	-119.02	10,187.1	-677.2	577.5	416.6	160.88	3.590	
20,375.0	10,566.7	20,728.9	10,846.7	88.0	90.0	-119.02	10,212.1	-677.2	577.5	416.3	161.26	3.581	
20,400.0	10,566.9	20,753.9	10,847.0	88.2	90.2	-119.02	10,237.1	-677.3	577.5	415.9	161.64	3.573	
20,425.0	10,567.2	20,778.9	10,847.3	88.4	90.4	-119.02	10,262.1	-677.3	577.5	415.5	162.01	3.565	
20,450.0	10,567.5	20,803.9	10,847.5	88.6	90.6	-119.02	10,287.1	-677.3	577.5	415.1	162.39	3.556	
20,475.0	10,567.7	20,828.9	10,847.8	88.8	90.8	-119.02	10,312.1	-677.3	577.5	414.8	162.76	3.548	
20,500.0	10,568.0	20,853.9	10,848.0	89.0	91.0	-119.02	10,337.1	-677.4	577.5	414.4	163.14	3.540	
20,525.0	10,568.2	20,878.9	10,848.3	89.2	91.2	-119.02	10,362.1	-677.4	577.5	414.0	163.51	3.532	
20,550.0	10,568.5	20,903.9	10,848.5	89.4	91.4	-119.02	10,387.1	-677.4	577.5	413.6	163.89	3.524	
20,575.0	10,568.8	20,928.9	10,848.8	89.7	91.7	-119.02	10,412.1	-677.5	577.5	413.2	164.26	3.516	
20,600.0	10,569.0	20,953.9	10,849.1	89.9	91.9	-119.02	10,437.1	-677.5	577.5	412.9	164.64	3.508	
20,625.0	10,569.3	20,978.9	10,849.3	90.1	92.1	-119.02	10,462.1	-677.5	577.5	412.5	165.01	3.500	
20,650.0	10,569.5	21,003.9	10,849.6	90.3	92.3	-119.02	10,487.1	-677.6	577.5	412.1	165.39	3.492	
20,675.0	10,569.8	21,028.9	10,849.8	90.5	92.5	-119.02	10,512.1	-677.6	577.5	411.7	165.77	3.484	
20,691.2	10,570.0	21,045.1	10,850.0	90.6	92.6	-119.02	10,528.2	-677.6	577.5	411.5	166.01	3.479	
20,693.8	10,570.0	21,045.2	10,850.0	90.7	92.6	-119.02	10,528.3	-677.6	577.5	411.5	166.02	3.479	
20,694.2	10,570.0	21,045.2	10,850.0	90.7	92.6	-119.02	10,528.3	-677.6	577.5	411.5	166.02	3.478	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.57	-40.0	0.3	40.0				
25.0	25.0	24.9	24.9	0.5	0.1	179.57	-40.0	0.3	40.0				
50.0	50.0	49.9	49.9	0.5	0.3	179.57	-40.0	0.3	40.0	38.7	1.28	31.186	
75.0	75.0	74.9	74.9	0.5	0.4	179.57	-40.0	0.3	40.0	38.6	1.38	29.041	
100.0	100.0	99.9	99.9	0.5	0.5	179.57	-40.0	0.3	40.0	38.5	1.50	26.749	
125.0	125.0	124.9	124.9	0.6	0.6	179.57	-40.0	0.3	40.0	38.3	1.75	22.898	
150.0	150.0	149.9	149.9	0.8	0.8	179.57	-40.0	0.3	40.0	38.0	2.00	20.016	
175.0	175.0	174.9	174.9	0.9	0.9	179.57	-40.0	0.3	40.0	37.8	2.25	17.778	
200.0	200.0	199.9	199.9	1.0	1.0	179.57	-40.0	0.3	40.0	37.5	2.50	15.991	
225.0	225.0	224.9	224.9	1.1	1.1	179.57	-40.0	0.3	40.0	37.3	2.67	14.987	
250.0	250.0	249.9	249.9	1.2	1.2	179.57	-40.0	0.3	40.0	37.2	2.84	14.103	
275.0	275.0	274.9	274.9	1.3	1.3	179.57	-40.0	0.3	40.0	37.0	3.00	13.318	
300.0	300.0	299.9	299.9	1.4	1.4	179.57	-40.0	0.3	40.0	36.8	3.17	12.615	
325.0	325.0	324.9	324.9	1.4	1.4	179.57	-40.0	0.3	40.0	36.7	3.31	12.092	
350.0	350.0	349.9	349.9	1.5	1.5	179.57	-40.0	0.3	40.0	36.6	3.45	11.611	
375.0	375.0	374.9	374.9	1.6	1.6	179.57	-40.0	0.3	40.0	36.4	3.58	11.167	
400.0	400.0	399.9	399.9	1.6	1.6	179.57	-40.0	0.3	40.0	36.3	3.72	10.755	
425.0	425.0	424.9	424.9	1.7	1.7	179.57	-40.0	0.3	40.0	36.2	3.84	10.418	
450.0	450.0	449.9	449.9	1.8	1.8	179.57	-40.0	0.3	40.0	36.0	3.96	10.101	
475.0	475.0	474.9	474.9	1.8	1.8	179.57	-40.0	0.3	40.0	35.9	4.08	9.804	
500.0	500.0	499.9	499.9	1.9	1.9	179.57	-40.0	0.3	40.0	35.8	4.20	9.523	
525.0	525.0	524.9	524.9	1.9	1.9	179.57	-40.0	0.3	40.0	35.7	4.31	9.281	
550.0	550.0	549.9	549.9	2.0	2.0	179.57	-40.0	0.3	40.0	35.6	4.42	9.051	
575.0	575.0	574.9	574.9	2.1	2.1	179.57	-40.0	0.3	40.0	35.5	4.53	8.833	
600.0	600.0	599.9	599.9	2.1	2.1	179.57	-40.0	0.3	40.0	35.4	4.64	8.625	
625.0	625.0	624.9	624.9	2.2	2.2	179.57	-40.0	0.3	40.0	35.3	4.74	8.440	
650.0	650.0	649.9	649.9	2.2	2.2	179.57	-40.0	0.3	40.0	35.2	4.84	8.263	
675.0	675.0	674.9	674.9	2.3	2.3	179.57	-40.0	0.3	40.0	35.1	4.94	8.093	
700.0	700.0	699.9	699.9	2.3	2.3	179.57	-40.0	0.3	40.0	35.0	5.04	7.930	
725.0	725.0	724.9	724.9	2.4	2.4	179.57	-40.0	0.3	40.0	34.9	5.14	7.782	
750.0	750.0	749.9	749.9	2.4	2.4	179.57	-40.0	0.3	40.0	34.8	5.24	7.640	
775.0	775.0	774.9	774.9	2.5	2.5	179.57	-40.0	0.3	40.0	34.7	5.33	7.503	
800.0	800.0	799.9	799.9	2.5	2.5	179.57	-40.0	0.3	40.0	34.6	5.43	7.370	
825.0	825.0	824.9	824.9	2.6	2.6	179.57	-40.0	0.3	40.0	34.5	5.52	7.249	
850.0	850.0	849.9	849.9	2.6	2.6	179.57	-40.0	0.3	40.0	34.4	5.61	7.131	
875.0	875.0	874.9	874.9	2.6	2.6	179.57	-40.0	0.3	40.0	34.3	5.70	7.017	
900.0	900.0	899.9	899.9	2.7	2.7	179.57	-40.0	0.3	40.0	34.2	5.79	6.907	
925.0	925.0	924.9	924.9	2.7	2.7	179.57	-40.0	0.3	40.0	34.1	5.88	6.804	
950.0	950.0	949.9	949.9	2.8	2.8	179.57	-40.0	0.3	40.0	34.0	5.97	6.704	
975.0	975.0	974.9	974.9	2.8	2.8	179.57	-40.0	0.3	40.0	33.9	6.05	6.607	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	179.57	-40.0	0.3	40.0	33.9	6.14	6.513	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	179.57	-40.0	0.3	40.0	33.8	6.23	6.425	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	179.57	-40.0	0.3	40.0	33.7	6.31	6.339	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	179.57	-40.0	0.3	40.0	33.6	6.39	6.256	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	179.57	-40.0	0.3	40.0	33.5	6.48	6.174	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	179.57	-40.0	0.3	40.0	33.4	6.56	6.097	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	179.57	-40.0	0.3	40.0	33.4	6.64	6.022	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	179.57	-40.0	0.3	40.0	33.3	6.72	5.949	
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	179.57	-40.0	0.3	40.0	33.2	6.81	5.878	
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	179.57	-40.0	0.3	40.0	33.1	6.89	5.810	
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	179.57	-40.0	0.3	40.0	33.0	6.96	5.743	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	179.57	-40.0	0.3	40.0	33.0	7.04	5.678	
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	179.57	-40.0	0.3	40.0	32.9	7.12	5.615	
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	179.57	-40.0	0.3	40.0	32.8	7.20	5.554	
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	179.57	-40.0	0.3	40.0	32.7	7.28	5.495	
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	179.57	-40.0	0.3	40.0	32.6	7.36	5.437	
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	179.57	-40.0	0.3	40.0	32.6	7.43	5.380	
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	179.57	-40.0	0.3	40.0	32.5	7.51	5.326	
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	179.57	-40.0	0.3	40.0	32.4	7.59	5.272	
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	179.57	-40.0	0.3	40.0	32.3	7.66	5.220	
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	179.57	-40.0	0.3	40.0	32.3	7.74	5.169	
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	179.57	-40.0	0.3	40.0	32.2	7.81	5.119	
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	179.57	-40.0	0.3	40.0	32.1	7.89	5.071	
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	179.57	-40.0	0.3	40.0	32.0	7.96	5.024	
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	179.57	-40.0	0.3	40.0	32.0	8.04	4.977	
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	179.57	-40.0	0.3	40.0	31.9	8.11	4.932	
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	179.57	-40.0	0.3	40.0	31.8	8.18	4.888	
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	179.57	-40.0	0.3	40.0	31.7	8.26	4.844	
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	179.57	-40.0	0.3	40.0	31.7	8.33	4.802	
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	179.57	-40.0	0.3	40.0	31.6	8.40	4.760	
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	179.57	-40.0	0.3	40.0	31.5	8.47	4.720	
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	179.57	-40.0	0.3	40.0	31.5	8.55	4.680	
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	179.57	-40.0	0.3	40.0	31.4	8.62	4.641	
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	179.57	-40.0	0.3	40.0	31.3	8.69	4.603	
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	179.57	-40.0	0.3	40.0	31.2	8.76	4.566	
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	179.57	-40.0	0.3	40.0	31.2	8.83	4.529	
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	179.57	-40.0	0.3	40.0	31.1	8.90	4.493	
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	179.57	-40.0	0.3	40.0	31.0	8.97	4.457	
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	179.57	-40.0	0.3	40.0	31.0	9.04	4.423	
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	179.57	-40.0	0.3	40.0	30.9	9.11	4.389	
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	179.57	-40.0	0.3	40.0	30.8	9.18	4.355 CC	
2,025.0	2,025.0	2,024.9	2,024.9	4.4	4.4	-125.80	-40.0	0.2	40.1	30.8	9.25	4.332 ES	
2,050.0	2,050.0	2,049.9	2,049.9	4.5	4.5	-125.71	-40.0	-0.1	40.3	30.9	9.31	4.323 SF	
2,075.0	2,075.0	2,074.9	2,074.9	4.5	4.5	-125.56	-40.0	-0.7	40.6	31.2	9.38	4.327	
2,100.0	2,100.0	2,099.9	2,099.9	4.6	4.5	-125.36	-40.0	-1.4	41.0	31.6	9.44	4.345	
2,125.0	2,125.0	2,124.9	2,124.9	4.6	4.6	-125.10	-40.0	-2.4	41.6	32.1	9.53	4.364	
2,150.0	2,149.9	2,149.9	2,149.8	4.7	4.6	-124.80	-40.0	-3.6	42.3	32.7	9.62	4.396	
2,175.0	2,174.9	2,174.9	2,174.7	4.7	4.6	-124.45	-40.0	-5.0	43.1	33.4	9.70	4.442	
2,200.0	2,199.8	2,199.8	2,199.7	4.8	4.7	-124.06	-40.0	-6.7	44.1	34.3	9.79	4.499	
2,225.0	2,224.8	2,224.8	2,224.6	4.8	4.7	-123.64	-40.0	-8.5	45.1	35.3	9.88	4.569	
2,250.0	2,249.7	2,249.8	2,249.4	4.9	4.8	-123.19	-40.0	-10.6	46.3	36.4	9.96	4.651	
2,275.0	2,274.6	2,274.7	2,274.3	5.0	4.8	-122.73	-40.0	-12.9	47.7	37.6	10.05	4.745	
2,300.0	2,299.5	2,299.6	2,299.1	5.0	4.8	-122.24	-40.0	-15.4	49.2	39.0	10.13	4.851	
2,325.0	2,324.3	2,324.5	2,323.9	5.1	4.9	-121.75	-40.0	-18.1	50.8	40.5	10.22	4.967	
2,350.0	2,349.1	2,349.5	2,348.6	5.2	4.9	-121.25	-40.0	-21.0	52.5	42.2	10.30	5.095	
2,375.0	2,373.9	2,374.3	2,373.3	5.2	5.0	-120.75	-40.0	-24.1	54.4	44.0	10.39	5.233	
2,400.1	2,398.8	2,399.3	2,398.0	5.3	5.0	-120.24	-40.0	-27.5	56.4	45.9	10.47	5.382	
2,425.0	2,423.5	2,424.1	2,422.5	5.4	5.1	-119.69	-40.0	-31.0	58.4	47.9	10.55	5.539	
2,450.0	2,448.2	2,448.9	2,447.1	5.4	5.2	-118.97	-40.0	-34.8	60.5	49.9	10.63	5.697	
2,475.0	2,473.0	2,473.8	2,471.6	5.5	5.3	-118.10	-40.0	-38.8	62.7	52.0	10.70	5.857	
2,500.0	2,497.7	2,498.6	2,496.1	5.6	5.4	-117.11	-40.0	-43.0	64.8	54.1	10.77	6.021	
2,525.0	2,522.5	2,523.4	2,520.5	5.6	5.5	-115.99	-40.0	-47.4	67.1	56.2	10.84	6.186	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,547.2	2,548.1	2,544.8	5.7	5.6	-114.78	-40.0	-52.0	69.4	58.5	10.92	6.355	
2,575.0	2,572.0	2,572.8	2,569.0	5.7	5.7	-113.48	-40.0	-56.8	71.7	60.8	10.99	6.530	
2,600.0	2,596.8	2,597.5	2,593.2	5.8	5.8	-112.10	-40.0	-61.8	74.2	63.1	11.06	6.710	
2,625.0	2,621.5	2,622.2	2,617.3	5.9	5.9	-110.66	-40.0	-67.0	76.7	65.6	11.13	6.895	
2,650.0	2,646.3	2,646.8	2,641.3	6.0	6.0	-109.16	-40.0	-72.4	79.4	68.2	11.20	7.086	
2,675.0	2,671.0	2,671.3	2,665.2	6.0	6.1	-107.62	-40.0	-78.0	82.1	70.9	11.28	7.285	
2,700.0	2,695.8	2,695.8	2,689.0	6.1	6.2	-106.05	-40.0	-83.8	85.0	73.7	11.35	7.491	
2,725.0	2,720.5	2,720.3	2,712.7	6.2	6.2	-104.46	-40.0	-89.8	88.1	76.6	11.41	7.714	
2,750.0	2,745.3	2,744.6	2,736.3	6.2	6.3	-102.86	-40.0	-95.9	91.2	79.7	11.48	7.949	
2,775.0	2,770.1	2,769.2	2,760.0	6.3	6.4	-101.27	-40.0	-102.3	94.5	83.0	11.54	8.189	
2,800.0	2,794.8	2,793.9	2,783.8	6.4	6.4	-99.78	-40.0	-108.7	97.9	86.3	11.61	8.429	
2,825.0	2,819.6	2,818.5	2,807.6	6.5	6.5	-98.39	-40.0	-115.0	101.3	89.6	11.70	8.658	
2,850.0	2,844.3	2,843.2	2,831.5	6.5	6.6	-97.09	-40.0	-121.4	104.8	93.0	11.80	8.882	
2,875.0	2,869.1	2,867.8	2,855.3	6.6	6.7	-95.87	-40.0	-127.8	108.3	96.4	11.89	9.105	
2,900.0	2,893.8	2,892.5	2,879.1	6.7	6.8	-94.73	-40.0	-134.2	111.9	99.9	12.00	9.327	
2,925.0	2,918.6	2,917.1	2,902.9	6.8	6.9	-93.66	-40.0	-140.6	115.5	103.4	12.10	9.544	
2,950.0	2,943.3	2,941.8	2,926.7	6.9	7.0	-92.65	-40.0	-146.9	119.1	106.9	12.21	9.758	
2,975.0	2,968.1	2,966.4	2,950.5	7.0	7.1	-91.71	-40.0	-153.3	122.8	110.5	12.32	9.970	
3,000.0	2,992.9	2,991.0	2,974.3	7.0	7.2	-90.82	-40.0	-159.7	126.6	114.1	12.43	10.179	
3,025.0	3,017.6	3,015.7	2,998.1	7.1	7.2	-89.98	-40.0	-166.1	130.3	117.8	12.55	10.383	
3,050.0	3,042.4	3,040.3	3,021.9	7.2	7.3	-89.19	-40.0	-172.5	134.1	121.4	12.67	10.584	
3,075.0	3,067.1	3,065.0	3,045.7	7.3	7.4	-88.44	-40.0	-178.8	137.9	125.1	12.79	10.781	
3,100.0	3,091.9	3,089.6	3,069.5	7.4	7.5	-87.73	-40.0	-185.2	141.7	128.8	12.91	10.976	
3,125.0	3,116.6	3,114.3	3,093.3	7.5	7.6	-87.05	-40.0	-191.6	145.5	132.5	13.03	11.166	
3,150.0	3,141.4	3,138.9	3,117.1	7.6	7.7	-86.42	-40.0	-198.0	149.4	136.2	13.16	11.352	
3,175.0	3,166.2	3,163.6	3,140.9	7.6	7.8	-85.81	-40.0	-204.4	153.3	140.0	13.29	11.534	
3,200.0	3,190.9	3,188.2	3,164.8	7.7	7.9	-85.23	-40.0	-210.7	157.1	143.7	13.42	11.714	
3,212.6	3,203.4	3,200.7	3,176.8	7.8	8.0	-84.95	-40.0	-214.0	159.1	145.6	13.47	11.813	
3,225.0	3,215.7	3,212.9	3,188.6	7.8	8.0	-84.70	-40.0	-217.1	161.1	147.5	13.54	11.896	
3,250.0	3,240.4	3,237.5	3,212.4	7.9	8.1	-84.18	-40.0	-223.5	165.0	151.3	13.68	12.062	
3,275.0	3,265.2	3,262.1	3,236.2	8.0	8.2	-83.65	-40.0	-229.9	168.9	155.1	13.82	12.225	
3,300.0	3,290.0	3,286.8	3,259.9	8.1	8.3	-83.11	-40.0	-236.2	172.9	159.0	13.96	12.385	
3,325.0	3,314.8	3,311.4	3,283.7	8.2	8.4	-82.56	-40.0	-242.6	176.9	162.8	14.10	12.546	
3,350.0	3,339.7	3,336.0	3,307.5	8.3	8.5	-82.00	-40.0	-249.0	181.0	166.7	14.25	12.704	
3,375.0	3,364.5	3,360.6	3,331.2	8.4	8.6	-81.44	-40.0	-255.3	185.1	170.7	14.39	12.859	
3,400.0	3,389.4	3,385.1	3,355.0	8.4	8.7	-80.87	-40.0	-261.7	189.2	174.6	14.54	13.011	
3,425.0	3,414.2	3,409.7	3,378.7	8.5	8.8	-80.29	-40.0	-268.1	193.3	178.7	14.69	13.160	
3,450.0	3,439.1	3,434.3	3,402.4	8.6	8.9	-79.71	-40.0	-274.4	197.5	182.7	14.85	13.306	
3,475.0	3,464.0	3,458.8	3,426.1	8.7	9.0	-79.13	-40.0	-280.8	201.8	186.8	15.00	13.450	
3,500.0	3,488.9	3,483.3	3,449.8	8.8	9.2	-78.54	-40.0	-287.1	206.1	190.9	15.16	13.592	
3,525.0	3,513.8	3,507.9	3,473.5	8.9	9.3	-77.94	-40.0	-293.5	210.4	195.1	15.32	13.732	
3,550.0	3,538.7	3,532.4	3,497.2	9.0	9.4	-77.35	-40.0	-299.8	214.8	199.3	15.49	13.869	
3,575.0	3,563.6	3,556.8	3,520.8	9.1	9.5	-76.75	-40.0	-306.1	219.2	203.5	15.65	14.004	
3,600.0	3,588.5	3,581.3	3,544.5	9.1	9.6	-76.16	-40.0	-312.5	223.7	207.9	15.82	14.137	
3,625.0	3,613.5	3,605.8	3,568.1	9.2	9.7	-75.56	-40.0	-318.8	228.2	212.2	15.99	14.269	
3,650.0	3,638.4	3,630.2	3,591.7	9.3	9.8	-74.96	-40.0	-325.1	232.8	216.6	16.17	14.399	
3,675.0	3,663.4	3,654.6	3,615.3	9.4	9.9	-74.36	-40.0	-331.5	237.4	221.1	16.34	14.528	
3,700.0	3,688.3	3,679.1	3,638.9	9.5	10.0	-73.76	-40.0	-337.8	242.1	225.6	16.52	14.655	
3,725.0	3,713.3	3,703.4	3,662.4	9.5	10.1	-73.16	-40.0	-344.1	246.9	230.2	16.70	14.782	
3,750.0	3,738.3	3,727.8	3,686.0	9.6	10.2	-72.56	-40.0	-350.4	251.7	234.8	16.89	14.908	
3,775.0	3,763.3	3,752.2	3,709.5	9.7	10.3	-71.97	-40.0	-356.7	256.6	239.5	17.07	15.032	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,788.2	3,776.5	3,733.0	9.8	10.4	-71.37	-40.0	-363.0	261.6	244.3	17.26	15.156	
3,825.0	3,813.2	3,800.8	3,756.5	9.9	10.5	-70.78	-40.0	-369.3	266.6	249.1	17.45	15.281	
3,850.0	3,838.2	3,825.1	3,780.0	9.9	10.7	-70.19	-40.0	-375.6	271.7	254.0	17.64	15.404	
3,875.0	3,863.2	3,849.4	3,803.4	10.0	10.8	-69.61	-40.0	-381.9	276.8	259.0	17.83	15.527	
3,900.0	3,888.2	3,873.7	3,826.8	10.1	10.9	-69.02	-40.0	-388.1	282.0	264.0	18.02	15.650	
3,925.0	3,913.2	3,897.9	3,850.2	10.1	11.0	-68.44	-40.0	-394.4	287.3	269.1	18.21	15.776	
3,950.0	3,938.2	3,922.1	3,873.6	10.2	11.1	-67.86	-40.0	-400.7	292.7	274.3	18.41	15.900	
3,975.0	3,963.2	3,946.3	3,897.0	10.2	11.2	-67.29	-40.0	-406.9	298.2	279.5	18.60	16.025	
4,000.0	3,988.2	3,970.5	3,920.4	10.3	11.3	-66.72	-40.0	-413.2	303.7	284.9	18.80	16.151	
4,012.8	4,001.0	3,982.9	3,932.3	10.3	11.4	-121.03	-40.0	-416.4	306.5	287.6	18.89	16.224	
4,025.0	4,013.2	3,994.6	3,943.7	10.3	11.4	-120.73	-40.0	-419.4	309.3	290.3	18.99	16.287	
4,050.0	4,038.2	4,018.8	3,967.0	10.3	11.5	-120.13	-40.0	-425.7	314.9	295.7	19.18	16.416	
4,075.0	4,063.2	4,042.9	3,990.3	10.4	11.6	-119.56	-40.0	-431.9	320.5	301.2	19.37	16.545	
4,100.0	4,088.2	4,067.1	4,013.7	10.4	11.7	-119.00	-40.0	-438.2	326.2	306.7	19.57	16.674	
4,125.0	4,113.2	4,091.2	4,037.0	10.4	11.9	-118.46	-40.0	-444.4	332.0	312.2	19.75	16.806	
4,150.0	4,138.2	4,115.4	4,060.3	10.4	12.0	-117.95	-40.0	-450.7	337.7	317.8	19.94	16.937	
4,175.0	4,163.2	4,139.5	4,083.6	10.4	12.1	-117.44	-40.0	-456.9	343.5	323.3	20.12	17.067	
4,200.0	4,188.2	4,163.7	4,107.0	10.5	12.2	-116.96	-40.0	-463.2	349.3	329.0	20.31	17.197	
4,225.0	4,213.2	4,187.8	4,130.3	10.5	12.3	-116.49	-40.0	-469.4	355.1	334.6	20.49	17.327	
4,250.0	4,238.2	4,212.0	4,153.6	10.5	12.4	-116.03	-40.0	-475.7	360.9	340.2	20.68	17.456	
4,275.0	4,263.2	4,236.1	4,176.9	10.5	12.5	-115.59	-40.0	-481.9	366.8	345.9	20.86	17.584	
4,300.0	4,288.2	4,260.3	4,200.3	10.5	12.6	-115.16	-40.0	-488.2	372.7	351.6	21.04	17.711	
4,325.0	4,313.2	4,284.4	4,223.6	10.6	12.7	-114.75	-40.0	-494.4	378.6	357.3	21.22	17.837	
4,350.0	4,338.2	4,308.6	4,246.9	10.6	12.9	-114.35	-40.0	-500.7	384.5	363.1	21.40	17.963	
4,375.0	4,363.2	4,332.7	4,270.2	10.6	13.0	-113.96	-40.0	-506.9	390.4	368.8	21.59	18.088	
4,400.0	4,388.2	4,356.8	4,293.6	10.6	13.1	-113.58	-40.0	-513.2	396.4	374.6	21.77	18.212	
4,425.0	4,413.2	4,381.0	4,316.9	10.6	13.2	-113.22	-40.0	-519.4	402.4	380.4	21.94	18.335	
4,450.0	4,438.2	4,405.1	4,340.2	10.7	13.3	-112.86	-40.0	-525.7	408.3	386.2	22.12	18.457	
4,475.0	4,463.2	4,429.3	4,363.5	10.7	13.4	-112.51	-40.0	-531.9	414.3	392.0	22.30	18.578	
4,500.0	4,488.2	4,453.4	4,386.9	10.7	13.5	-112.18	-40.0	-538.2	420.4	397.9	22.48	18.699	
4,525.0	4,513.2	4,477.6	4,410.2	10.7	13.6	-111.85	-40.0	-544.4	426.4	403.7	22.66	18.818	
4,550.0	4,538.2	4,501.7	4,433.5	10.7	13.8	-111.53	-40.0	-550.7	432.4	409.6	22.84	18.937	
4,575.0	4,563.2	4,525.9	4,456.8	10.8	13.9	-111.22	-40.0	-556.9	438.5	415.5	23.01	19.054	
4,600.0	4,588.2	4,550.0	4,480.2	10.8	14.0	-110.92	-40.0	-563.2	444.5	421.3	23.19	19.170	
4,625.0	4,613.2	4,574.2	4,503.5	10.8	14.1	-110.63	-40.0	-569.4	450.6	427.2	23.36	19.286	
4,650.0	4,638.2	4,598.3	4,526.8	10.8	14.2	-110.35	-40.0	-575.7	456.7	433.2	23.54	19.400	
4,675.0	4,663.2	4,622.5	4,550.1	10.8	14.3	-110.07	-40.0	-581.9	462.8	439.1	23.72	19.514	
4,700.0	4,688.2	4,646.6	4,573.5	10.9	14.4	-109.80	-40.0	-588.2	468.9	445.0	23.89	19.626	
4,725.0	4,713.2	4,670.8	4,596.8	10.9	14.6	-109.53	-40.0	-594.4	475.0	450.9	24.07	19.738	
4,750.0	4,738.2	4,694.9	4,620.1	10.9	14.7	-109.28	-40.0	-600.7	481.1	456.9	24.24	19.848	
4,775.0	4,763.2	4,719.1	4,643.4	10.9	14.8	-109.03	-40.0	-606.9	487.3	462.9	24.42	19.957	
4,800.0	4,788.2	4,743.2	4,666.8	10.9	14.9	-108.78	-40.0	-613.2	493.4	468.8	24.59	20.066	
4,825.0	4,813.2	4,767.4	4,690.1	11.0	15.0	-108.55	-40.0	-619.4	499.6	474.8	24.76	20.173	
4,850.0	4,838.2	4,791.5	4,713.4	11.0	15.1	-108.31	-40.0	-625.7	505.7	480.8	24.94	20.280	
4,875.0	4,863.2	4,815.7	4,736.7	11.0	15.2	-108.09	-40.0	-631.9	511.9	486.8	25.11	20.385	
4,900.0	4,888.2	4,839.8	4,760.1	11.0	15.4	-107.86	-40.0	-638.2	518.1	492.8	25.28	20.489	
4,925.0	4,913.2	4,864.0	4,783.4	11.0	15.5	-107.65	-40.0	-644.4	524.3	498.8	25.46	20.593	
4,950.0	4,938.2	4,888.1	4,806.7	11.1	15.6	-107.44	-40.0	-650.7	530.4	504.8	25.63	20.695	
4,975.0	4,963.2	4,912.3	4,830.0	11.1	15.7	-107.23	-40.0	-656.9	536.6	510.8	25.80	20.797	
5,000.0	4,988.2	4,936.4	4,853.4	11.1	15.8	-107.03	-40.0	-663.2	542.8	516.9	25.98	20.897	
5,025.0	5,013.2	4,960.6	4,876.7	11.1	15.9	-106.83	-40.0	-669.4	549.0	522.9	26.15	20.997	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	5,038.2	4,984.7	4,900.0	11.1	16.0	-106.64	-40.0	-675.7	555.3	528.9	26.32	21.095	
5,075.0	5,063.2	5,008.8	4,923.3	11.2	16.2	-106.45	-40.0	-681.9	561.5	535.0	26.49	21.193	
5,100.0	5,088.2	5,033.0	4,946.7	11.2	16.3	-106.27	-40.0	-688.2	567.7	541.0	26.67	21.289	
5,125.0	5,113.2	5,057.1	4,970.0	11.2	16.4	-106.09	-40.0	-694.4	573.9	547.1	26.84	21.385	
5,150.0	5,138.2	5,081.3	4,993.3	11.2	16.5	-105.91	-40.0	-700.7	580.2	553.2	27.01	21.480	
5,175.0	5,163.2	5,105.4	5,016.6	11.2	16.6	-105.74	-40.0	-706.9	586.4	559.2	27.18	21.574	
5,200.0	5,188.2	5,129.6	5,040.0	11.3	16.7	-105.57	-40.0	-713.2	592.7	565.3	27.35	21.666	
5,225.0	5,213.2	5,153.7	5,063.3	11.3	16.9	-105.40	-40.0	-719.4	598.9	571.4	27.53	21.758	
5,250.0	5,238.2	5,177.9	5,086.6	11.3	17.0	-105.24	-40.0	-725.7	605.2	577.5	27.70	21.850	
5,275.0	5,263.2	5,202.0	5,109.9	11.3	17.1	-105.08	-40.0	-731.9	611.4	583.6	27.87	21.940	
5,300.0	5,288.2	5,226.2	5,133.3	11.3	17.2	-104.92	-40.0	-738.2	617.7	589.6	28.04	22.029	
5,325.0	5,313.2	5,250.3	5,156.6	11.4	17.3	-104.77	-40.0	-744.4	624.0	595.7	28.21	22.117	
5,350.0	5,338.2	5,274.5	5,179.9	11.4	17.4	-104.62	-40.0	-750.7	630.2	601.8	28.38	22.205	
5,375.0	5,363.2	5,298.6	5,203.2	11.4	17.5	-104.47	-40.0	-756.9	636.5	607.9	28.55	22.292	
5,400.0	5,388.2	5,322.8	5,226.6	11.4	17.7	-104.33	-40.0	-763.2	642.8	614.1	28.72	22.377	
5,425.0	5,413.2	5,346.9	5,249.9	11.4	17.8	-104.19	-40.0	-769.4	649.1	620.2	28.90	22.462	
5,450.0	5,438.2	5,371.1	5,273.2	11.4	17.9	-104.05	-40.0	-775.7	655.4	626.3	29.07	22.546	
5,475.0	5,463.2	5,395.2	5,296.5	11.5	18.0	-103.92	-40.0	-781.9	661.6	632.4	29.24	22.630	
5,500.0	5,488.2	5,419.4	5,319.9	11.5	18.1	-103.78	-40.0	-788.2	667.9	638.5	29.41	22.712	
5,525.0	5,513.2	5,443.5	5,343.2	11.5	18.2	-103.65	-40.0	-794.4	674.2	644.7	29.58	22.794	
5,550.0	5,538.2	5,467.7	5,366.5	11.5	18.4	-103.52	-40.0	-800.7	680.5	650.8	29.75	22.874	
5,575.0	5,563.2	5,491.8	5,389.8	11.5	18.5	-103.40	-40.0	-806.9	686.8	656.9	29.92	22.955	
5,600.0	5,588.2	5,516.0	5,413.2	11.6	18.6	-103.27	-40.0	-813.2	693.2	663.1	30.09	23.034	
5,625.0	5,613.2	5,540.1	5,436.5	11.6	18.7	-103.15	-40.0	-819.4	699.5	669.2	30.26	23.112	
5,650.0	5,638.2	5,564.3	5,459.8	11.6	18.8	-103.03	-40.0	-825.7	705.8	675.3	30.43	23.190	
5,675.0	5,663.2	5,588.4	5,483.2	11.6	18.9	-102.92	-40.0	-831.9	712.1	681.5	30.61	23.267	
5,700.0	5,688.2	5,612.6	5,506.5	11.6	19.1	-102.80	-40.0	-838.2	718.4	687.6	30.78	23.343	
5,725.0	5,713.2	5,636.7	5,529.8	11.7	19.2	-102.69	-40.0	-844.4	724.7	693.8	30.95	23.418	
5,750.0	5,738.2	5,660.8	5,553.1	11.7	19.3	-102.58	-40.0	-850.7	731.1	699.9	31.12	23.493	
5,775.0	5,763.2	5,685.0	5,576.5	11.7	19.4	-102.47	-40.0	-856.9	737.4	706.1	31.29	23.567	
5,800.0	5,788.2	5,709.1	5,599.8	11.7	19.5	-102.36	-40.0	-863.2	743.7	712.3	31.46	23.640	
5,825.0	5,813.2	5,733.3	5,623.1	11.7	19.6	-102.25	-40.0	-869.4	750.0	718.4	31.63	23.713	
5,850.0	5,838.2	5,757.4	5,646.4	11.8	19.8	-102.15	-40.0	-875.7	756.4	724.6	31.80	23.785	
5,875.0	5,863.2	5,781.6	5,669.8	11.8	19.9	-102.05	-40.0	-881.9	762.7	730.7	31.97	23.856	
5,900.0	5,888.2	5,805.7	5,693.1	11.8	20.0	-101.95	-40.0	-888.2	769.0	736.9	32.14	23.927	
5,925.0	5,913.2	5,829.9	5,716.4	11.8	20.1	-101.85	-40.0	-894.4	775.4	743.1	32.31	23.998	
5,950.0	5,938.2	5,854.0	5,739.7	11.8	20.2	-101.75	-40.0	-900.7	781.7	749.3	32.48	24.069	
5,975.0	5,963.2	5,878.2	5,763.1	11.9	20.3	-101.66	-40.0	-906.9	788.1	755.4	32.65	24.139	
6,000.0	5,988.2	5,905.0	5,789.0	11.9	20.5	-101.55	-40.0	-913.9	794.4	761.6	32.83	24.196	
6,025.0	6,013.2	5,933.0	5,816.1	11.9	20.6	-101.45	-40.0	-920.9	800.6	767.6	33.03	24.238	
6,050.0	6,038.2	5,961.1	5,843.3	11.9	20.7	-101.35	-40.0	-927.9	806.7	773.5	33.23	24.277	
6,075.0	6,063.2	5,989.2	5,870.6	11.9	20.9	-101.25	-40.0	-934.8	812.7	779.3	33.43	24.311	
6,100.0	6,088.2	6,017.5	5,898.0	12.0	21.0	-101.15	-40.0	-941.5	818.5	784.9	33.62	24.346	
6,125.0	6,113.2	6,045.8	5,925.5	12.0	21.2	-101.06	-40.0	-948.1	824.3	790.5	33.81	24.378	
6,150.0	6,138.2	6,074.1	5,953.1	12.0	21.3	-100.97	-40.0	-954.6	829.9	795.9	34.00	24.407	
6,175.0	6,163.2	6,102.5	5,980.8	12.0	21.4	-100.89	-40.0	-961.0	835.4	801.2	34.19	24.433	
6,200.0	6,188.2	6,131.0	6,008.6	12.0	21.6	-100.81	-40.0	-967.3	840.8	806.5	34.38	24.458	
6,225.0	6,213.2	6,159.6	6,036.4	12.1	21.7	-100.73	-40.0	-973.4	846.1	811.5	34.57	24.478	
6,250.0	6,238.2	6,188.2	6,064.4	12.1	21.8	-100.65	-40.0	-979.4	851.3	816.5	34.75	24.496	
6,275.0	6,263.2	6,216.9	6,092.5	12.1	22.0	-100.57	-40.0	-985.3	856.3	821.4	34.94	24.512	
6,300.0	6,288.2	6,245.6	6,120.6	12.1	22.1	-100.50	-40.0	-991.0	861.2	826.1	35.12	24.525	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,313.2	6,274.4	6,148.9	12.1	22.2	-100.43	-40.0	-996.7	866.0	830.7	35.30	24.535	
6,350.0	6,338.2	6,303.2	6,177.2	12.2	22.4	-100.37	-40.0	-1,002.1	870.7	835.2	35.48	24.542	
6,375.0	6,363.2	6,332.1	6,205.6	12.2	22.5	-100.30	-40.0	-1,007.5	875.3	839.6	35.65	24.548	
6,400.0	6,388.2	6,361.1	6,234.1	12.2	22.6	-100.24	-40.0	-1,012.7	879.7	843.9	35.83	24.552	
6,425.0	6,413.2	6,390.1	6,262.6	12.2	22.8	-100.18	-40.0	-1,017.8	884.0	848.0	36.01	24.552	
6,450.0	6,438.2	6,419.1	6,291.3	12.2	22.9	-100.13	-40.0	-1,022.8	888.2	852.0	36.18	24.550	
6,475.0	6,463.2	6,448.3	6,320.0	12.3	23.0	-100.07	-40.0	-1,027.6	892.3	855.9	36.35	24.547	
6,500.0	6,488.2	6,477.4	6,348.8	12.3	23.1	-100.02	-40.0	-1,032.2	896.2	859.7	36.52	24.541	
6,525.0	6,513.2	6,506.6	6,377.6	12.3	23.3	-99.97	-40.0	-1,036.8	900.1	863.4	36.69	24.532	
6,550.0	6,538.2	6,535.9	6,406.5	12.3	23.4	-99.92	-40.0	-1,041.2	903.8	866.9	36.85	24.523	
6,575.0	6,563.2	6,565.2	6,435.5	12.3	23.5	-99.87	-40.0	-1,045.4	907.3	870.3	37.02	24.511	
6,600.0	6,588.2	6,594.5	6,464.6	12.4	23.7	-99.83	-40.0	-1,049.5	910.8	873.6	37.18	24.496	
6,625.0	6,613.2	6,623.9	6,493.7	12.4	23.8	-99.78	-40.0	-1,053.5	914.1	876.8	37.34	24.481	
6,650.0	6,638.2	6,653.3	6,522.9	12.4	23.9	-99.74	-40.0	-1,057.3	917.3	879.8	37.50	24.463	
6,675.0	6,663.2	6,682.8	6,552.1	12.4	24.0	-99.70	-40.0	-1,061.0	920.4	882.8	37.66	24.443	
6,700.0	6,688.2	6,712.3	6,581.4	12.4	24.1	-99.67	-40.0	-1,064.5	923.4	885.5	37.81	24.421	
6,725.0	6,713.2	6,741.8	6,610.7	12.5	24.3	-99.63	-40.0	-1,067.9	926.2	888.2	37.96	24.399	
6,750.0	6,738.2	6,771.4	6,640.1	12.5	24.4	-99.60	-40.0	-1,071.2	928.9	890.8	38.11	24.374	
6,775.0	6,763.2	6,801.0	6,669.6	12.5	24.5	-99.57	-40.0	-1,074.3	931.5	893.2	38.26	24.346	
6,800.0	6,788.2	6,830.6	6,699.0	12.5	24.6	-99.54	-40.0	-1,077.2	933.9	895.5	38.40	24.320	
6,825.0	6,813.2	6,860.3	6,728.6	12.5	24.7	-99.51	-40.0	-1,080.0	936.2	897.7	38.54	24.291	
6,850.0	6,838.2	6,890.0	6,758.2	12.6	24.9	-99.48	-40.0	-1,082.6	938.4	899.7	38.68	24.259	
6,875.0	6,863.2	6,919.7	6,787.8	12.6	25.0	-99.46	-40.0	-1,085.1	940.5	901.7	38.82	24.228	
6,900.0	6,888.2	6,949.4	6,817.4	12.6	25.1	-99.43	-40.0	-1,087.5	942.4	903.5	38.95	24.195	
6,925.0	6,913.2	6,979.2	6,847.1	12.6	25.2	-99.41	-40.0	-1,089.7	944.2	905.2	39.08	24.160	
6,950.0	6,938.2	7,009.0	6,876.8	12.6	25.3	-99.39	-40.0	-1,091.7	945.9	906.7	39.21	24.124	
6,975.0	6,963.2	7,038.8	6,906.6	12.7	25.4	-99.37	-40.0	-1,093.6	947.5	908.1	39.33	24.088	
7,000.0	6,988.2	7,068.6	6,936.4	12.7	25.5	-99.35	-40.0	-1,095.3	948.9	909.4	39.45	24.050	
7,025.0	7,013.2	7,098.5	6,966.2	12.7	25.6	-99.34	-40.0	-1,096.9	950.2	910.6	39.57	24.010	
7,050.0	7,038.2	7,128.4	6,996.0	12.7	25.7	-99.32	-40.0	-1,098.3	951.4	911.7	39.68	23.973	
7,075.0	7,063.2	7,158.2	7,025.8	12.7	25.8	-99.31	-40.0	-1,099.5	952.4	912.6	39.79	23.934	
7,100.0	7,088.2	7,188.1	7,055.7	12.8	25.9	-99.30	-40.0	-1,100.6	953.3	913.4	39.90	23.892	
7,125.0	7,113.2	7,218.0	7,085.6	12.8	26.0	-99.29	-40.0	-1,101.6	954.1	914.1	40.00	23.854	
7,150.0	7,138.2	7,247.9	7,115.5	12.8	26.1	-99.28	-40.0	-1,102.4	954.8	914.7	40.09	23.816	
7,175.0	7,163.2	7,277.8	7,145.4	12.8	26.2	-99.28	-40.0	-1,103.0	955.3	915.1	40.18	23.775	
7,200.0	7,188.2	7,307.8	7,175.3	12.8	26.3	-99.27	-40.0	-1,103.5	955.7	915.4	40.25	23.741	
7,225.0	7,213.2	7,337.7	7,205.2	12.9	26.3	-99.27	-40.0	-1,103.8	956.0	915.7	40.29	23.728	
7,250.0	7,238.2	7,367.6	7,235.2	12.9	26.3	-99.27	-40.0	-1,104.0	956.1	915.8	40.32	23.712	
7,275.0	7,263.2	7,395.5	7,263.1	12.9	26.4	-99.27	-40.0	-1,104.0	956.1	915.8	40.35	23.698	
7,300.0	7,288.2	7,420.5	7,288.1	12.9	26.4	-99.27	-40.0	-1,104.0	956.1	915.8	40.37	23.685	
7,325.0	7,313.2	7,445.5	7,313.1	12.9	26.4	-99.27	-40.0	-1,104.0	956.1	915.7	40.39	23.670	
7,350.0	7,338.2	7,470.5	7,338.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.7	40.42	23.656	
7,375.0	7,363.2	7,495.5	7,363.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.7	40.44	23.641	
7,400.0	7,388.2	7,520.5	7,388.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.7	40.46	23.628	
7,425.0	7,413.2	7,545.5	7,413.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.6	40.49	23.616	
7,450.0	7,438.2	7,570.5	7,438.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.6	40.51	23.603	
7,475.0	7,463.2	7,595.5	7,463.1	13.0	26.4	-99.27	-40.0	-1,104.0	956.1	915.6	40.53	23.591	
7,500.0	7,488.2	7,620.5	7,488.1	13.1	26.4	-99.27	-40.0	-1,104.0	956.1	915.6	40.55	23.578	
7,525.0	7,513.2	7,645.5	7,513.1	13.1	26.4	-99.27	-40.0	-1,104.0	956.1	915.6	40.57	23.565	
7,550.0	7,538.2	7,670.5	7,538.1	13.1	26.4	-99.27	-40.0	-1,104.0	956.1	915.5	40.59	23.553	
7,575.0	7,563.2	7,695.5	7,563.1	13.1	26.5	-99.27	-40.0	-1,104.0	956.1	915.5	40.62	23.540	

CC - Min centre to center distance or covergent 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 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,588.2	7,720.5	7,588.1	13.1	26.5	-99.27	-40.0	-1,104.0	956.1	915.5	40.64	23.528	
7,625.0	7,613.2	7,745.5	7,613.1	13.2	26.5	-99.27	-40.0	-1,104.0	956.1	915.5	40.66	23.515	
7,650.0	7,638.2	7,770.5	7,638.1	13.2	26.5	-99.27	-40.0	-1,104.0	956.1	915.4	40.68	23.502	
7,675.0	7,663.2	7,795.5	7,663.1	13.2	26.5	-99.27	-40.0	-1,104.0	956.1	915.4	40.70	23.490	
7,700.0	7,688.2	7,820.5	7,688.1	13.2	26.5	-99.27	-40.0	-1,104.0	956.1	915.4	40.73	23.477	
7,725.0	7,713.2	7,845.5	7,713.1	13.2	26.5	-99.27	-40.0	-1,104.0	956.1	915.4	40.75	23.464	
7,750.0	7,738.2	7,870.5	7,738.1	13.3	26.5	-99.27	-40.0	-1,104.0	956.1	915.4	40.77	23.452	
7,775.0	7,763.2	7,895.5	7,763.1	13.3	26.5	-99.27	-40.0	-1,104.0	956.1	915.3	40.79	23.439	
7,800.0	7,788.2	7,920.5	7,788.1	13.3	26.5	-99.27	-40.0	-1,104.0	956.1	915.3	40.81	23.427	
7,825.0	7,813.2	7,945.5	7,813.1	13.3	26.5	-99.27	-40.0	-1,104.0	956.1	915.3	40.84	23.414	
7,850.0	7,838.2	7,970.5	7,838.1	13.3	26.5	-99.27	-40.0	-1,104.0	956.1	915.3	40.86	23.401	
7,875.0	7,863.2	7,995.5	7,863.1	13.4	26.5	-99.27	-40.0	-1,104.0	956.1	915.2	40.88	23.389	
7,900.0	7,888.2	8,020.5	7,888.1	13.4	26.5	-99.27	-40.0	-1,104.0	956.1	915.2	40.90	23.376	
7,925.0	7,913.2	8,045.5	7,913.1	13.4	26.6	-99.27	-40.0	-1,104.0	956.1	915.2	40.92	23.363	
7,950.0	7,938.2	8,070.5	7,938.1	13.4	26.6	-99.27	-40.0	-1,104.0	956.1	915.2	40.95	23.351	
7,975.0	7,963.2	8,095.5	7,963.1	13.4	26.6	-99.27	-40.0	-1,104.0	956.1	915.2	40.97	23.338	
8,000.0	7,988.2	8,120.5	7,988.1	13.5	26.6	-99.27	-40.0	-1,104.0	956.1	915.1	40.99	23.325	
8,025.0	8,013.2	8,145.5	8,013.1	13.5	26.6	-99.27	-40.0	-1,104.0	956.1	915.1	41.01	23.313	
8,050.0	8,038.2	8,170.5	8,038.1	13.5	26.6	-99.27	-40.0	-1,104.0	956.1	915.1	41.04	23.300	
8,075.0	8,063.2	8,195.5	8,063.1	13.5	26.6	-99.27	-40.0	-1,104.0	956.1	915.1	41.06	23.287	
8,100.0	8,088.2	8,220.5	8,088.1	13.5	26.6	-99.27	-40.0	-1,104.0	956.1	915.0	41.08	23.275	
8,125.0	8,113.2	8,245.5	8,113.1	13.6	26.6	-99.27	-40.0	-1,104.0	956.1	915.0	41.10	23.262	
8,150.0	8,138.2	8,270.5	8,138.1	13.6	26.6	-99.27	-40.0	-1,104.0	956.1	915.0	41.12	23.249	
8,175.0	8,163.2	8,295.5	8,163.1	13.6	26.6	-99.27	-40.0	-1,104.0	956.1	915.0	41.15	23.237	
8,200.0	8,188.2	8,320.5	8,188.1	13.6	26.6	-99.27	-40.0	-1,104.0	956.1	915.0	41.17	23.224	
8,225.0	8,213.2	8,345.5	8,213.1	13.6	26.6	-99.27	-40.0	-1,104.0	956.1	914.9	41.19	23.211	
8,250.0	8,238.2	8,370.5	8,238.1	13.7	26.6	-99.27	-40.0	-1,104.0	956.1	914.9	41.21	23.199	
8,275.0	8,263.2	8,395.5	8,263.1	13.7	26.7	-99.27	-40.0	-1,104.0	956.1	914.9	41.24	23.186	
8,300.0	8,288.2	8,420.5	8,288.1	13.7	26.7	-99.27	-40.0	-1,104.0	956.1	914.9	41.26	23.173	
8,325.0	8,313.2	8,445.5	8,313.1	13.7	26.7	-99.27	-40.0	-1,104.0	956.1	914.8	41.28	23.161	
8,350.0	8,338.2	8,470.5	8,338.1	13.7	26.7	-99.27	-40.0	-1,104.0	956.1	914.8	41.30	23.148	
8,375.0	8,363.2	8,495.5	8,363.1	13.8	26.7	-99.27	-40.0	-1,104.0	956.1	914.8	41.33	23.135	
8,400.0	8,388.2	8,520.5	8,388.1	13.8	26.7	-99.27	-40.0	-1,104.0	956.1	914.8	41.35	23.123	
8,425.0	8,413.2	8,545.5	8,413.1	13.8	26.7	-99.27	-40.0	-1,104.0	956.1	914.8	41.37	23.110	
8,450.0	8,438.2	8,570.5	8,438.1	13.8	26.7	-99.27	-40.0	-1,104.0	956.1	914.7	41.40	23.097	
8,475.0	8,463.2	8,595.5	8,463.1	13.8	26.7	-99.27	-40.0	-1,104.0	956.1	914.7	41.42	23.085	
8,500.0	8,488.2	8,620.5	8,488.1	13.9	26.7	-99.27	-40.0	-1,104.0	956.1	914.7	41.44	23.072	
8,525.0	8,513.2	8,645.5	8,513.1	13.9	26.7	-99.27	-40.0	-1,104.0	956.1	914.7	41.46	23.059	
8,550.0	8,538.2	8,670.5	8,538.1	13.9	26.7	-99.27	-40.0	-1,104.0	956.1	914.6	41.49	23.047	
8,575.0	8,563.2	8,695.5	8,563.1	13.9	26.7	-99.27	-40.0	-1,104.0	956.1	914.6	41.51	23.034	
8,600.0	8,588.2	8,720.5	8,588.1	13.9	26.8	-99.27	-40.0	-1,104.0	956.1	914.6	41.53	23.021	
8,625.0	8,613.2	8,745.5	8,613.1	14.0	26.8	-99.27	-40.0	-1,104.0	956.1	914.6	41.56	23.009	
8,650.0	8,638.2	8,770.5	8,638.1	14.0	26.8	-99.27	-40.0	-1,104.0	956.1	914.5	41.58	22.996	
8,675.0	8,663.2	8,795.5	8,663.1	14.0	26.8	-99.27	-40.0	-1,104.0	956.1	914.5	41.60	22.983	
8,700.0	8,688.2	8,820.5	8,688.1	14.0	26.8	-99.27	-40.0	-1,104.0	956.1	914.5	41.62	22.970	
8,725.0	8,713.2	8,845.5	8,713.1	14.0	26.8	-99.27	-40.0	-1,104.0	956.1	914.5	41.65	22.958	
8,750.0	8,738.2	8,870.5	8,738.1	14.1	26.8	-99.27	-40.0	-1,104.0	956.1	914.5	41.67	22.945	
8,775.0	8,763.2	8,895.5	8,763.1	14.1	26.8	-99.27	-40.0	-1,104.0	956.1	914.4	41.69	22.932	
8,800.0	8,788.2	8,920.5	8,788.1	14.1	26.8	-99.27	-40.0	-1,104.0	956.1	914.4	41.72	22.920	
8,825.0	8,813.2	8,945.5	8,813.1	14.1	26.8	-99.27	-40.0	-1,104.0	956.1	914.4	41.74	22.907	
8,850.0	8,838.2	8,970.5	8,838.1	14.1	26.8	-99.27	-40.0	-1,104.0	956.1	914.4	41.76	22.894	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,863.2	8,995.5	8,863.1	14.2	26.8	-99.27	-40.0	-1,104.0	956.1	914.3	41.79	22.882	
8,900.0	8,888.2	9,020.5	8,888.1	14.2	26.8	-99.27	-40.0	-1,104.0	956.1	914.3	41.81	22.869	
8,925.0	8,913.2	9,045.5	8,913.1	14.2	26.9	-99.27	-40.0	-1,104.0	956.1	914.3	41.83	22.856	
8,950.0	8,938.2	9,070.5	8,938.1	14.2	26.9	-99.27	-40.0	-1,104.0	956.1	914.3	41.86	22.844	
8,975.0	8,963.2	9,095.5	8,963.1	14.2	26.9	-99.27	-40.0	-1,104.0	956.1	914.2	41.88	22.831	
9,000.0	8,988.2	9,120.5	8,988.1	14.3	26.9	-99.27	-40.0	-1,104.0	956.1	914.2	41.90	22.818	
9,025.0	9,013.2	9,145.5	9,013.1	14.3	26.9	-99.27	-40.0	-1,104.0	956.1	914.2	41.93	22.805	
9,050.0	9,038.2	9,170.5	9,038.1	14.3	26.9	-99.27	-40.0	-1,104.0	956.1	914.2	41.95	22.793	
9,075.0	9,063.2	9,195.5	9,063.1	14.3	26.9	-99.27	-40.0	-1,104.0	956.1	914.2	41.97	22.780	
9,100.0	9,088.2	9,220.5	9,088.1	14.3	26.9	-99.27	-40.0	-1,104.0	956.1	914.1	42.00	22.767	
9,125.0	9,113.2	9,245.5	9,113.1	14.4	26.9	-99.27	-40.0	-1,104.0	956.1	914.1	42.02	22.755	
9,150.0	9,138.2	9,270.5	9,138.1	14.4	26.9	-99.27	-40.0	-1,104.0	956.1	914.1	42.04	22.742	
9,175.0	9,163.2	9,295.5	9,163.1	14.4	26.9	-99.27	-40.0	-1,104.0	956.1	914.1	42.07	22.729	
9,200.0	9,188.2	9,320.5	9,188.1	14.4	26.9	-99.27	-40.0	-1,104.0	956.1	914.0	42.09	22.717	
9,225.0	9,213.2	9,345.5	9,213.1	14.4	27.0	-99.27	-40.0	-1,104.0	956.1	914.0	42.11	22.704	
9,250.0	9,238.2	9,370.5	9,238.1	14.5	27.0	-99.27	-40.0	-1,104.0	956.1	914.0	42.14	22.691	
9,275.0	9,263.2	9,395.5	9,263.1	14.5	27.0	-99.27	-40.0	-1,104.0	956.1	914.0	42.16	22.678	
9,300.0	9,288.2	9,420.5	9,288.1	14.5	27.0	-99.27	-40.0	-1,104.0	956.1	913.9	42.18	22.666	
9,325.0	9,313.2	9,445.5	9,313.1	14.5	27.0	-99.27	-40.0	-1,104.0	956.1	913.9	42.21	22.653	
9,350.0	9,338.2	9,470.5	9,338.1	14.5	27.0	-99.27	-40.0	-1,104.0	956.1	913.9	42.23	22.640	
9,375.0	9,363.2	9,495.5	9,363.1	14.6	27.0	-99.27	-40.0	-1,104.0	956.1	913.9	42.25	22.628	
9,400.0	9,388.2	9,520.5	9,388.1	14.6	27.0	-99.27	-40.0	-1,104.0	956.1	913.8	42.28	22.615	
9,425.0	9,413.2	9,545.5	9,413.1	14.6	27.0	-99.27	-40.0	-1,104.0	956.1	913.8	42.30	22.602	
9,450.0	9,438.2	9,570.5	9,438.1	14.6	27.0	-99.27	-40.0	-1,104.0	956.1	913.8	42.33	22.590	
9,475.0	9,463.2	9,595.5	9,463.1	14.6	27.0	-99.27	-40.0	-1,104.0	956.1	913.8	42.35	22.577	
9,500.0	9,488.2	9,620.5	9,488.1	14.7	27.0	-99.27	-40.0	-1,104.0	956.1	913.8	42.37	22.564	
9,525.0	9,513.2	9,645.5	9,513.1	14.7	27.0	-99.27	-40.0	-1,104.0	956.1	913.7	42.40	22.552	
9,550.0	9,538.2	9,670.5	9,538.1	14.7	27.1	-99.27	-40.0	-1,104.0	956.1	913.7	42.42	22.539	
9,575.0	9,563.2	9,695.5	9,563.1	14.7	27.1	-99.27	-40.0	-1,104.0	956.1	913.7	42.44	22.526	
9,600.0	9,588.2	9,720.5	9,588.1	14.7	27.1	-99.27	-40.0	-1,104.0	956.1	913.7	42.47	22.514	
9,625.0	9,613.2	9,745.5	9,613.1	14.8	27.1	-99.27	-40.0	-1,104.0	956.1	913.6	42.49	22.501	
9,650.0	9,638.2	9,770.5	9,638.1	14.8	27.1	-99.27	-40.0	-1,104.0	956.1	913.6	42.52	22.488	
9,675.0	9,663.2	9,795.5	9,663.1	14.8	27.1	-99.27	-40.0	-1,104.0	956.1	913.6	42.54	22.475	
9,700.0	9,688.2	9,820.5	9,688.1	14.8	27.1	-99.27	-40.0	-1,104.0	956.1	913.6	42.56	22.463	
9,725.0	9,713.2	9,845.5	9,713.1	14.8	27.1	-99.27	-40.0	-1,104.0	956.1	913.5	42.59	22.450	
9,750.0	9,738.2	9,870.5	9,738.1	14.9	27.1	-99.27	-40.0	-1,104.0	956.1	913.5	42.61	22.437	
9,775.0	9,763.2	9,895.5	9,763.1	14.9	27.1	-99.27	-40.0	-1,104.0	956.1	913.5	42.64	22.425	
9,800.0	9,788.2	9,920.5	9,788.1	14.9	27.1	-99.27	-40.0	-1,104.0	956.1	913.5	42.66	22.412	
9,825.0	9,813.2	9,945.5	9,813.1	14.9	27.1	-99.27	-40.0	-1,104.0	956.1	913.4	42.69	22.399	
9,850.0	9,838.2	9,970.5	9,838.1	14.9	27.2	-99.27	-40.0	-1,104.0	956.1	913.4	42.71	22.387	
9,875.0	9,863.2	9,995.5	9,863.1	15.0	27.2	-99.27	-40.0	-1,104.0	956.1	913.4	42.73	22.374	
9,900.0	9,888.2	10,020.5	9,888.1	15.0	27.2	-99.27	-40.0	-1,104.0	956.1	913.4	42.76	22.361	
9,925.0	9,913.2	10,045.5	9,913.1	15.0	27.2	-99.27	-40.0	-1,104.0	956.1	913.3	42.78	22.349	
9,950.0	9,938.2	10,070.5	9,938.1	15.0	27.2	-99.27	-40.0	-1,104.0	956.1	913.3	42.81	22.336	
9,975.0	9,963.2	10,095.5	9,963.1	15.0	27.2	-99.27	-40.0	-1,104.0	956.1	913.3	42.83	22.323	
10,000.0	9,988.2	10,120.5	9,988.1	15.1	27.2	-99.27	-40.0	-1,104.0	956.1	913.3	42.85	22.313	
10,000.4	9,988.6	10,120.9	9,988.5	15.1	27.2	-99.27	-40.0	-1,104.0	956.1	913.3	42.85	22.312	
10,025.0	10,013.2	10,145.5	10,013.1	15.1	27.2	-99.23	-40.0	-1,104.0	956.2	913.4	42.86	22.311	
10,050.0	10,038.1	10,171.7	10,039.2	15.1	27.2	-99.31	-40.0	-1,104.0	956.5	913.7	42.85	22.323	
10,075.0	10,062.9	10,205.4	10,072.9	15.1	27.2	-99.43	-38.5	-1,104.1	956.9	914.1	42.79	22.362	
10,100.0	10,087.5	10,239.3	10,106.6	15.1	27.2	-99.52	-34.5	-1,104.2	957.3	914.6	42.74	22.399	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,111.8	10,273.4	10,140.1	15.1	27.2	-99.57	-28.2	-1,104.5	957.6	915.0	42.69	22.432	
10,150.0	10,135.8	10,307.6	10,173.2	15.1	27.2	-99.59	-19.4	-1,104.8	958.0	915.3	42.65	22.462	
10,175.0	10,159.3	10,341.9	10,205.6	15.1	27.2	-99.57	-8.3	-1,105.1	958.3	915.7	42.62	22.487	
10,200.0	10,182.4	10,376.2	10,237.1	15.1	27.2	-99.51	5.1	-1,105.6	958.6	916.0	42.59	22.506	
10,225.0	10,205.0	10,410.4	10,267.6	15.1	27.2	-99.41	20.7	-1,106.2	958.8	916.3	42.58	22.520	
10,250.0	10,227.0	10,444.5	10,296.7	15.1	27.2	-99.28	38.4	-1,106.8	959.1	916.5	42.57	22.529	
10,275.0	10,248.3	10,478.4	10,324.4	15.2	27.2	-99.12	58.0	-1,107.5	959.3	916.7	42.57	22.532	
10,300.0	10,268.9	10,512.1	10,350.4	15.2	27.2	-98.92	79.3	-1,108.2	959.5	916.9	42.59	22.529	
10,325.0	10,288.8	10,545.5	10,374.7	15.2	27.3	-98.68	102.3	-1,109.0	959.6	917.0	42.61	22.520	
10,350.0	10,307.8	10,578.6	10,397.0	15.2	27.3	-98.42	126.6	-1,109.9	959.8	917.2	42.65	22.507	
10,375.0	10,325.9	10,611.3	10,417.4	15.2	27.3	-98.13	152.1	-1,110.7	960.0	917.3	42.69	22.488	
10,400.0	10,343.1	10,643.6	10,435.9	15.2	27.3	-97.81	178.6	-1,111.7	960.1	917.4	42.74	22.465	
10,425.0	10,359.4	10,675.5	10,452.2	15.2	27.3	-97.47	205.9	-1,112.6	960.3	917.5	42.80	22.437	
10,450.0	10,374.6	10,706.9	10,466.5	15.2	27.3	-97.11	233.9	-1,113.6	960.5	917.6	42.87	22.405	
10,475.0	10,388.8	10,737.8	10,478.8	15.3	27.3	-96.72	262.3	-1,114.6	960.7	917.7	42.94	22.370	
10,500.0	10,401.9	10,768.3	10,489.1	15.3	27.4	-96.32	290.9	-1,115.6	960.9	917.8	43.03	22.332	
10,525.0	10,413.8	10,798.3	10,497.3	15.3	27.4	-95.90	319.7	-1,116.6	961.1	918.0	43.11	22.292	
10,550.0	10,424.6	10,827.8	10,503.7	15.3	27.4	-95.47	348.5	-1,117.6	961.4	918.2	43.21	22.249	
10,575.0	10,434.2	10,856.8	10,508.2	15.3	27.4	-95.02	377.2	-1,118.6	961.7	918.4	43.31	22.203	
10,600.0	10,442.5	10,885.3	10,511.0	15.4	27.5	-94.57	405.5	-1,119.6	962.0	918.6	43.42	22.157	
10,625.0	10,449.7	10,913.2	10,512.0	15.4	27.5	-94.11	433.4	-1,120.6	962.4	918.9	43.53	22.109	
10,650.0	10,455.5	10,937.5	10,512.3	15.4	27.5	-93.72	457.7	-1,121.4	962.9	919.2	43.63	22.067	
10,675.0	10,460.1	10,962.2	10,512.5	15.4	27.6	-93.40	482.3	-1,122.3	963.4	919.7	43.73	22.030	
10,700.0	10,463.4	10,987.0	10,512.8	15.5	27.6	-93.13	507.1	-1,123.1	964.1	920.3	43.83	21.998	
10,725.0	10,465.4	11,011.9	10,513.0	15.5	27.6	-92.94	532.0	-1,124.0	964.9	921.0	43.92	21.969	
10,745.4	10,466.0	11,032.2	10,513.2	15.5	27.7	-92.83	552.3	-1,124.7	965.5	921.5	43.99	21.947	
10,750.0	10,466.0	11,036.9	10,513.3	15.5	27.7	-92.83	556.9	-1,124.9	965.7	921.7	44.01	21.942	
10,775.0	10,466.3	11,061.8	10,513.6	15.6	27.7	-92.83	581.9	-1,125.8	966.5	922.4	44.10	21.916	
10,800.0	10,466.6	11,086.8	10,513.8	15.6	27.7	-92.83	606.9	-1,126.6	967.4	923.2	44.19	21.890	
10,825.0	10,466.8	11,111.8	10,514.1	15.6	27.8	-92.82	631.8	-1,127.5	968.2	923.9	44.30	21.858	
10,850.0	10,467.1	11,136.8	10,514.3	15.7	27.8	-92.82	656.8	-1,128.4	969.1	924.7	44.40	21.824	
10,875.0	10,467.4	11,161.8	10,514.6	15.7	27.9	-92.82	681.8	-1,129.2	969.9	925.4	44.51	21.790	
10,900.0	10,467.6	11,186.8	10,514.9	15.8	27.9	-92.82	706.8	-1,130.1	970.7	926.1	44.62	21.757	
10,925.0	10,467.9	11,211.8	10,515.1	15.9	28.0	-92.81	731.7	-1,131.0	971.6	926.9	44.74	21.718	
10,950.0	10,468.1	11,236.7	10,515.4	15.9	28.0	-92.81	756.7	-1,131.9	972.4	927.6	44.86	21.678	
10,975.0	10,468.4	11,261.7	10,515.6	16.0	28.1	-92.81	781.7	-1,132.7	973.3	928.3	44.98	21.637	
11,000.0	10,468.7	11,286.7	10,515.9	16.0	28.1	-92.81	806.6	-1,133.6	974.1	929.0	45.10	21.597	
11,025.0	10,468.9	11,311.7	10,516.1	16.1	28.2	-92.80	831.6	-1,134.5	975.0	929.7	45.24	21.553	
11,050.0	10,469.2	11,336.7	10,516.4	16.2	28.3	-92.80	856.6	-1,135.3	975.8	930.4	45.37	21.506	
11,075.0	10,469.4	11,361.7	10,516.7	16.3	28.3	-92.80	881.5	-1,136.2	976.6	931.1	45.51	21.460	
11,100.0	10,469.7	11,386.7	10,516.9	16.3	28.4	-92.80	906.5	-1,137.1	977.5	931.8	45.65	21.414	
11,125.0	10,470.0	11,411.6	10,517.2	16.4	28.4	-92.79	931.5	-1,138.0	978.3	932.5	45.79	21.364	
11,150.0	10,470.2	11,436.6	10,517.4	16.5	28.5	-92.79	956.4	-1,138.8	979.2	933.2	45.94	21.312	
11,175.0	10,470.5	11,461.6	10,517.7	16.6	28.6	-92.79	981.4	-1,139.7	980.0	933.9	46.10	21.260	
11,200.0	10,470.8	11,486.6	10,518.0	16.7	28.6	-92.79	1,006.4	-1,140.6	980.9	934.6	46.25	21.209	
11,225.0	10,471.0	11,511.6	10,518.2	16.8	28.7	-92.78	1,031.4	-1,141.5	981.7	935.3	46.41	21.154	
11,250.0	10,471.3	11,536.6	10,518.5	16.9	28.8	-92.78	1,056.3	-1,142.3	982.5	936.0	46.57	21.098	
11,275.0	10,471.5	11,561.6	10,518.7	17.0	28.8	-92.78	1,081.3	-1,143.2	983.4	936.6	46.74	21.041	
11,300.0	10,471.8	11,586.5	10,519.0	17.1	28.9	-92.78	1,106.3	-1,144.1	984.2	937.3	46.90	20.986	
11,325.0	10,472.1	11,611.5	10,519.3	17.2	29.0	-92.77	1,131.2	-1,144.9	985.1	938.0	47.07	20.926	
11,350.0	10,472.3	11,636.5	10,519.5	17.3	29.1	-92.77	1,156.2	-1,145.8	985.9	938.7	47.25	20.866	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,375.0	10,472.6	11,661.5	10,519.8	17.4	29.1	-92.77	1,181.2	-1,146.7	986.7	939.3	47.43	20.805	
11,400.0	10,472.8	11,686.5	10,520.0	17.5	29.2	-92.77	1,206.1	-1,147.6	987.6	940.0	47.61	20.745	
11,425.0	10,473.1	11,711.5	10,520.3	17.6	29.3	-92.76	1,231.1	-1,148.4	988.4	940.6	47.79	20.682	
11,450.0	10,473.4	11,736.5	10,520.6	17.8	29.4	-92.76	1,256.1	-1,149.3	989.3	941.3	47.98	20.618	
11,475.0	10,473.6	11,761.4	10,520.8	17.9	29.5	-92.76	1,281.0	-1,150.2	990.1	941.9	48.17	20.555	
11,500.0	10,473.9	11,786.4	10,521.1	18.0	29.5	-92.76	1,306.0	-1,151.0	991.0	942.6	48.36	20.491	
11,525.0	10,474.1	11,811.4	10,521.3	18.1	29.6	-92.75	1,331.0	-1,151.9	991.8	943.2	48.56	20.425	
11,550.0	10,474.4	11,836.4	10,521.6	18.3	29.7	-92.75	1,356.0	-1,152.8	992.6	943.9	48.76	20.358	
11,575.0	10,474.7	11,861.4	10,521.9	18.4	29.8	-92.75	1,380.9	-1,153.7	993.5	944.5	48.96	20.292	
11,600.0	10,474.9	11,886.4	10,522.1	18.5	29.9	-92.75	1,405.9	-1,154.5	994.3	945.2	49.16	20.226	
11,625.0	10,475.2	11,911.4	10,522.4	18.6	30.0	-92.75	1,430.9	-1,155.4	995.2	945.8	49.37	20.157	
11,650.0	10,475.5	11,936.3	10,522.6	18.8	30.1	-92.74	1,455.8	-1,156.3	996.0	946.4	49.58	20.088	
11,675.0	10,475.7	11,961.3	10,522.9	18.9	30.2	-92.74	1,480.8	-1,157.1	996.9	947.1	49.79	20.019	
11,700.0	10,476.0	11,986.3	10,523.2	19.0	30.3	-92.74	1,505.8	-1,158.0	997.7	947.7	50.01	19.951	
11,725.0	10,476.2	12,011.3	10,523.4	19.2	30.4	-92.74	1,530.7	-1,158.9	998.5	948.3	50.23	19.881	
11,750.0	10,476.5	12,036.3	10,523.7	19.3	30.5	-92.73	1,555.7	-1,159.8	999.4	948.9	50.45	19.811	

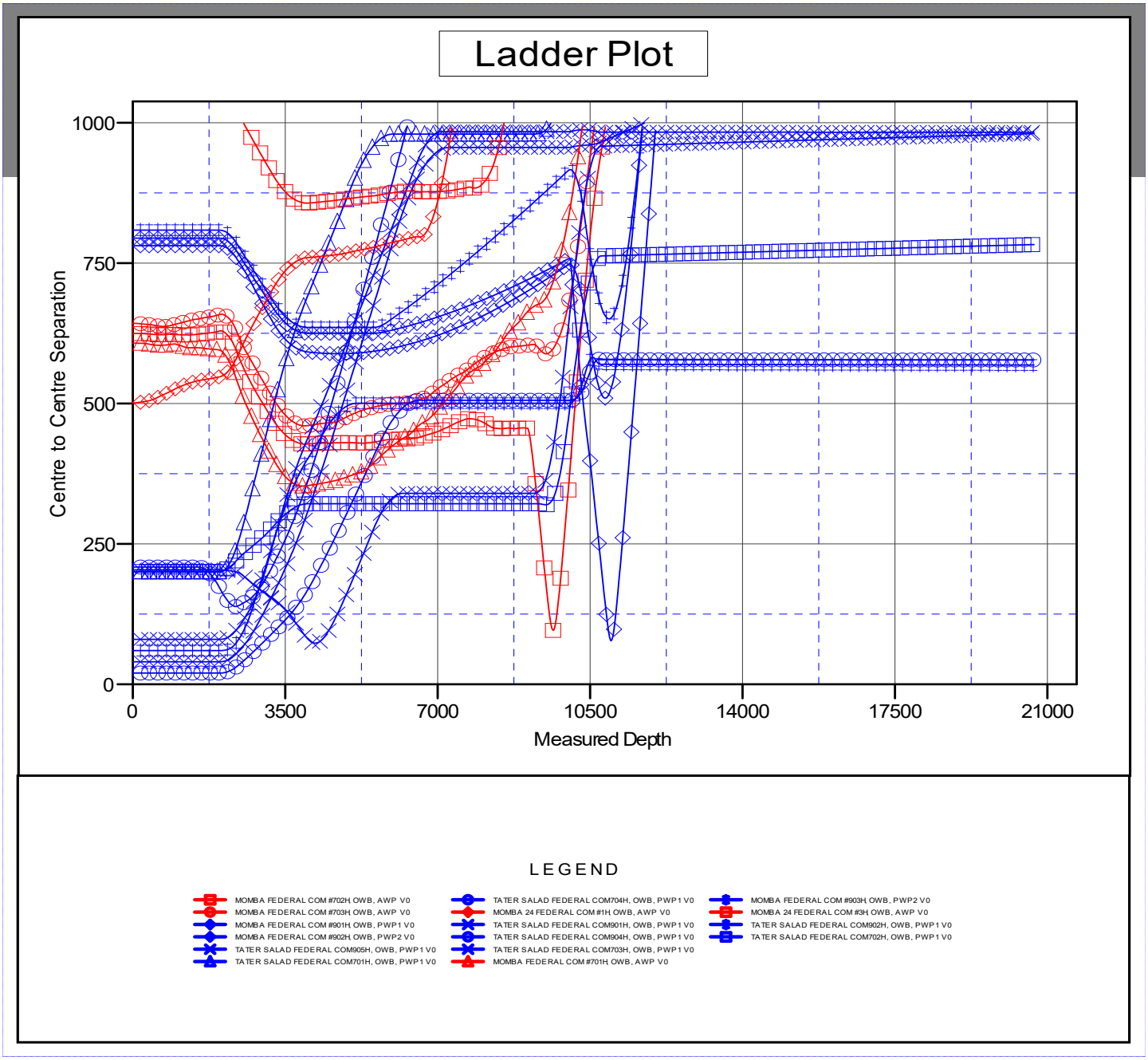
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=32ft @ 2945.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 903H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.16°



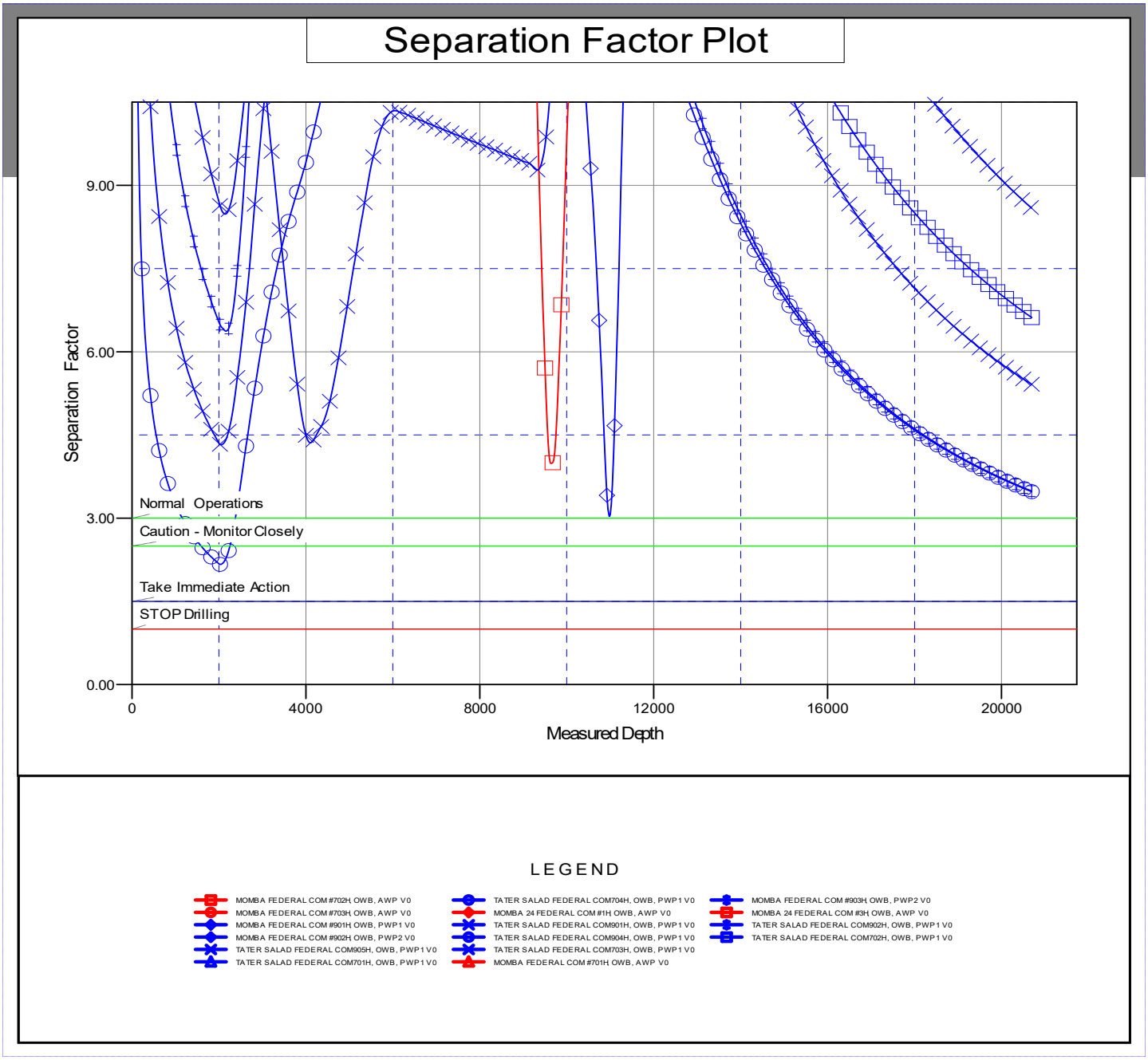
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=32ft @ 2945.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 903H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.16°



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

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 903H
300154775000
OWB

Plan: PWP1

Standard Planning Report

18 February, 2025

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Project ATLAS PROSPECT (DBW)

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:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well TATER SALAD FEDERAL COM 903H

Well Position	**+N/-S**	0.0 usft	**Northing:**	376,489.40 usft	**Latitude:**	32° 2' 5.042 N
	+E/-W	0.0 usft	**Easting:**	592,315.00 usft	**Longitude:**	104° 2' 7.534 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,913.1 usft
Grid Convergence:		0.16 °				

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2024	12/31/2025	6.39	59.51	47,044.54245636

Design PWP1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.06

Plan Survey Tool Program **Date** 2/18/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	2,000.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp	
2	2,000.0	10,000.4	PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	10,000.4	20,693.8	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.1	8.00	305.40	2,398.8	16.2	-22.7	2.00	2.00	0.00	305.40	
3,212.6	8.00	305.40	3,203.4	81.7	-114.9	0.00	0.00	0.00	0.00	
4,012.8	0.00	0.00	4,001.0	114.0	-160.4	1.00	-1.00	0.00	180.00	
10,000.4	0.00	0.00	9,988.6	114.0	-160.4	0.00	0.00	0.00	0.00	
10,745.4	89.40	359.93	10,466.0	586.5	-161.0	12.00	12.00	-0.01	359.93	
20,693.8	89.40	359.93	10,570.0	10,534.3	-172.6	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	305.40	2,100.0	1.0	-1.4	1.0	2.00	2.00	0.00
2,200.0	4.00	305.40	2,199.8	4.0	-5.7	4.1	2.00	2.00	0.00
2,300.0	6.00	305.40	2,299.5	9.1	-12.8	9.3	2.00	2.00	0.00
2,400.1	8.00	305.40	2,398.8	16.2	-22.7	16.5	2.00	2.00	0.00
2,500.0	8.00	305.40	2,497.7	24.2	-34.1	24.8	0.00	0.00	0.00
2,600.0	8.00	305.40	2,596.8	32.3	-45.4	33.0	0.00	0.00	0.00
2,700.0	8.00	305.40	2,695.8	40.3	-56.8	41.3	0.00	0.00	0.00
2,800.0	8.00	305.40	2,794.8	48.4	-68.1	49.5	0.00	0.00	0.00
2,900.0	8.00	305.40	2,893.8	56.5	-79.5	57.8	0.00	0.00	0.00
3,000.0	8.00	305.40	2,992.9	64.5	-90.8	66.0	0.00	0.00	0.00
3,100.0	8.00	305.40	3,091.9	72.6	-102.2	74.3	0.00	0.00	0.00
3,200.0	8.00	305.40	3,190.9	80.7	-113.5	82.5	0.00	0.00	0.00
3,212.6	8.00	305.40	3,203.4	81.7	-114.9	83.6	0.00	0.00	0.00
3,300.0	7.13	305.40	3,290.0	88.3	-124.3	90.4	1.00	-1.00	0.00
3,400.0	6.13	305.40	3,389.4	95.0	-133.7	97.2	1.00	-1.00	0.00
3,500.0	5.13	305.40	3,488.9	100.7	-141.7	103.0	1.00	-1.00	0.00
3,600.0	4.13	305.40	3,588.5	105.4	-148.3	107.8	1.00	-1.00	0.00
3,700.0	3.13	305.40	3,688.3	109.1	-153.4	111.6	1.00	-1.00	0.00
3,800.0	2.13	305.40	3,788.2	111.7	-157.2	114.3	1.00	-1.00	0.00
3,900.0	1.13	305.40	3,888.2	113.4	-159.5	116.0	1.00	-1.00	0.00
4,000.0	0.13	305.40	3,988.2	114.0	-160.4	116.6	1.00	-1.00	0.00
4,012.8	0.00	0.00	4,001.0	114.0	-160.4	116.6	1.00	-1.00	0.00
4,100.0	0.00	0.00	4,088.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,200.0	0.00	0.00	4,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,300.0	0.00	0.00	4,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,400.0	0.00	0.00	4,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,500.0	0.00	0.00	4,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,988.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,100.0	0.00	0.00	5,088.2	114.0	-160.4	116.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	0.00	0.00	5,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,988.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,100.0	0.00	0.00	6,088.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,200.0	0.00	0.00	6,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,988.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,088.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,988.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,088.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,988.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,088.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,188.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,288.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,388.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,488.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,588.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,688.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,788.2	114.0	-160.4	116.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,888.2	114.0	-160.4	116.6	0.00	0.00	0.00
10,000.4	0.00	0.00	9,988.6	114.0	-160.4	116.6	0.00	0.00	0.00
10,025.0	2.96	359.93	10,013.2	114.6	-160.4	117.2	12.00	12.00	0.00
10,050.0	5.96	359.93	10,038.1	116.6	-160.4	119.2	12.00	12.00	0.00
10,075.0	8.96	359.93	10,062.9	119.8	-160.4	122.4	12.00	12.00	0.00
10,100.0	11.96	359.93	10,087.5	124.4	-160.4	127.0	12.00	12.00	0.00
10,125.0	14.96	359.93	10,111.8	130.2	-160.4	132.8	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)
10,150.0	17.96	359.93	10,135.8	137.3	-160.4	139.9	12.00	12.00	0.00
10,175.0	20.96	359.93	10,159.3	145.6	-160.4	148.2	12.00	12.00	0.00
10,200.0	23.96	359.93	10,182.4	155.1	-160.4	157.7	12.00	12.00	0.00
10,225.0	26.96	359.93	10,205.0	165.9	-160.5	168.5	12.00	12.00	0.00
10,250.0	29.96	359.93	10,227.0	177.8	-160.5	180.4	12.00	12.00	0.00
10,275.0	32.96	359.93	10,248.3	190.8	-160.5	193.4	12.00	12.00	0.00
10,300.0	35.96	359.93	10,268.9	205.0	-160.5	207.6	12.00	12.00	0.00
10,325.0	38.96	359.93	10,288.8	220.2	-160.5	222.8	12.00	12.00	0.00
10,350.0	41.96	359.93	10,307.8	236.4	-160.5	239.0	12.00	12.00	0.00
10,375.0	44.96	359.93	10,325.9	253.6	-160.6	256.2	12.00	12.00	0.00
10,400.0	47.96	359.93	10,343.1	271.7	-160.6	274.3	12.00	12.00	0.00
10,425.0	50.96	359.93	10,359.4	290.7	-160.6	293.3	12.00	12.00	0.00
10,450.0	53.96	359.93	10,374.6	310.5	-160.6	313.1	12.00	12.00	0.00
10,475.0	56.96	359.93	10,388.8	331.1	-160.7	333.7	12.00	12.00	0.00
10,500.0	59.96	359.93	10,401.9	352.4	-160.7	355.0	12.00	12.00	0.00
10,525.0	62.96	359.93	10,413.8	374.4	-160.7	377.0	12.00	12.00	0.00
10,550.0	65.96	359.93	10,424.6	396.9	-160.7	399.5	12.00	12.00	0.00
10,575.0	68.96	359.93	10,434.2	420.0	-160.8	422.6	12.00	12.00	0.00
10,600.0	71.96	359.93	10,442.5	443.6	-160.8	446.1	12.00	12.00	0.00
10,625.0	74.96	359.93	10,449.7	467.5	-160.8	470.1	12.00	12.00	0.00
10,650.0	77.96	359.93	10,455.5	491.8	-160.8	494.4	12.00	12.00	0.00
10,675.0	80.96	359.93	10,460.1	516.4	-160.9	519.0	12.00	12.00	0.00
10,700.0	83.96	359.93	10,463.4	541.2	-160.9	543.8	12.00	12.00	0.00
10,725.0	86.96	359.93	10,465.4	566.1	-160.9	568.7	12.00	12.00	0.00
10,745.4	89.40	359.93	10,466.0	586.5	-161.0	589.0	12.00	12.00	0.00
10,800.0	89.40	359.93	10,466.6	641.1	-161.0	643.6	0.00	0.00	0.00
10,900.0	89.40	359.93	10,467.6	741.1	-161.1	743.6	0.00	0.00	0.00
11,000.0	89.40	359.93	10,468.7	841.1	-161.3	843.6	0.00	0.00	0.00
11,100.0	89.40	359.93	10,469.7	941.1	-161.4	943.6	0.00	0.00	0.00
11,200.0	89.40	359.93	10,470.8	1,041.1	-161.5	1,043.6	0.00	0.00	0.00
11,300.0	89.40	359.93	10,471.8	1,141.1	-161.6	1,143.6	0.00	0.00	0.00
11,400.0	89.40	359.93	10,472.8	1,241.1	-161.7	1,243.5	0.00	0.00	0.00
11,500.0	89.40	359.93	10,473.9	1,341.1	-161.8	1,343.5	0.00	0.00	0.00
11,600.0	89.40	359.93	10,474.9	1,441.0	-162.0	1,443.5	0.00	0.00	0.00
11,700.0	89.40	359.93	10,476.0	1,541.0	-162.1	1,543.5	0.00	0.00	0.00
11,800.0	89.40	359.93	10,477.0	1,641.0	-162.2	1,643.5	0.00	0.00	0.00
11,900.0	89.40	359.93	10,478.1	1,741.0	-162.3	1,743.5	0.00	0.00	0.00
12,000.0	89.40	359.93	10,479.1	1,841.0	-162.4	1,843.4	0.00	0.00	0.00
12,100.0	89.40	359.93	10,480.2	1,941.0	-162.5	1,943.4	0.00	0.00	0.00
12,200.0	89.40	359.93	10,481.2	2,041.0	-162.7	2,043.4	0.00	0.00	0.00
12,300.0	89.40	359.93	10,482.3	2,141.0	-162.8	2,143.4	0.00	0.00	0.00
12,400.0	89.40	359.93	10,483.3	2,241.0	-162.9	2,243.4	0.00	0.00	0.00
12,500.0	89.40	359.93	10,484.3	2,341.0	-163.0	2,343.4	0.00	0.00	0.00
12,600.0	89.40	359.93	10,485.4	2,441.0	-163.1	2,443.3	0.00	0.00	0.00
12,700.0	89.40	359.93	10,486.4	2,541.0	-163.2	2,543.3	0.00	0.00	0.00
12,800.0	89.40	359.93	10,487.5	2,641.0	-163.4	2,643.3	0.00	0.00	0.00
12,900.0	89.40	359.93	10,488.5	2,741.0	-163.5	2,743.3	0.00	0.00	0.00
13,000.0	89.40	359.93	10,489.6	2,841.0	-163.6	2,843.3	0.00	0.00	0.00
13,100.0	89.40	359.93	10,490.6	2,941.0	-163.7	2,943.3	0.00	0.00	0.00
13,200.0	89.40	359.93	10,491.7	3,041.0	-163.8	3,043.2	0.00	0.00	0.00
13,300.0	89.40	359.93	10,492.7	3,141.0	-163.9	3,143.2	0.00	0.00	0.00
13,400.0	89.40	359.93	10,493.8	3,240.9	-164.1	3,243.2	0.00	0.00	0.00
13,500.0	89.40	359.93	10,494.8	3,340.9	-164.2	3,343.2	0.00	0.00	0.00
13,600.0	89.40	359.93	10,495.8	3,440.9	-164.3	3,443.2	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 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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)
13,700.0	89.40	359.93	10,496.9	3,540.9	-164.4	3,543.1	0.00	0.00	0.00
13,800.0	89.40	359.93	10,497.9	3,640.9	-164.5	3,643.1	0.00	0.00	0.00
13,900.0	89.40	359.93	10,499.0	3,740.9	-164.6	3,743.1	0.00	0.00	0.00
14,000.0	89.40	359.93	10,500.0	3,840.9	-164.8	3,843.1	0.00	0.00	0.00
14,100.0	89.40	359.93	10,501.1	3,940.9	-164.9	3,943.1	0.00	0.00	0.00
14,200.0	89.40	359.93	10,502.1	4,040.9	-165.0	4,043.1	0.00	0.00	0.00
14,300.0	89.40	359.93	10,503.2	4,140.9	-165.1	4,143.0	0.00	0.00	0.00
14,400.0	89.40	359.93	10,504.2	4,240.9	-165.2	4,243.0	0.00	0.00	0.00
14,500.0	89.40	359.93	10,505.3	4,340.9	-165.3	4,343.0	0.00	0.00	0.00
14,600.0	89.40	359.93	10,506.3	4,440.9	-165.5	4,443.0	0.00	0.00	0.00
14,700.0	89.40	359.93	10,507.3	4,540.9	-165.6	4,543.0	0.00	0.00	0.00
14,800.0	89.40	359.93	10,508.4	4,640.9	-165.7	4,643.0	0.00	0.00	0.00
14,900.0	89.40	359.93	10,509.4	4,740.9	-165.8	4,742.9	0.00	0.00	0.00
15,000.0	89.40	359.93	10,510.5	4,840.9	-165.9	4,842.9	0.00	0.00	0.00
15,100.0	89.40	359.93	10,511.5	4,940.9	-166.1	4,942.9	0.00	0.00	0.00
15,200.0	89.40	359.93	10,512.6	5,040.8	-166.2	5,042.9	0.00	0.00	0.00
15,300.0	89.40	359.93	10,513.6	5,140.8	-166.3	5,142.9	0.00	0.00	0.00
15,400.0	89.40	359.93	10,514.7	5,240.8	-166.4	5,242.9	0.00	0.00	0.00
15,500.0	89.40	359.93	10,515.7	5,340.8	-166.5	5,342.8	0.00	0.00	0.00
15,600.0	89.40	359.93	10,516.7	5,440.8	-166.6	5,442.8	0.00	0.00	0.00
15,700.0	89.40	359.93	10,517.8	5,540.8	-166.8	5,542.8	0.00	0.00	0.00
15,800.0	89.40	359.93	10,518.8	5,640.8	-166.9	5,642.8	0.00	0.00	0.00
15,900.0	89.40	359.93	10,519.9	5,740.8	-167.0	5,742.8	0.00	0.00	0.00
16,000.0	89.40	359.93	10,520.9	5,840.8	-167.1	5,842.8	0.00	0.00	0.00
16,100.0	89.40	359.93	10,522.0	5,940.8	-167.2	5,942.7	0.00	0.00	0.00
16,200.0	89.40	359.93	10,523.0	6,040.8	-167.3	6,042.7	0.00	0.00	0.00
16,300.0	89.40	359.93	10,524.1	6,140.8	-167.5	6,142.7	0.00	0.00	0.00
16,400.0	89.40	359.93	10,525.1	6,240.8	-167.6	6,242.7	0.00	0.00	0.00
16,500.0	89.40	359.93	10,526.2	6,340.8	-167.7	6,342.7	0.00	0.00	0.00
16,600.0	89.40	359.93	10,527.2	6,440.8	-167.8	6,442.7	0.00	0.00	0.00
16,700.0	89.40	359.93	10,528.2	6,540.8	-167.9	6,542.6	0.00	0.00	0.00
16,800.0	89.40	359.93	10,529.3	6,640.8	-168.0	6,642.6	0.00	0.00	0.00
16,900.0	89.40	359.93	10,530.3	6,740.8	-168.2	6,742.6	0.00	0.00	0.00
17,000.0	89.40	359.93	10,531.4	6,840.7	-168.3	6,842.6	0.00	0.00	0.00
17,100.0	89.40	359.93	10,532.4	6,940.7	-168.4	6,942.6	0.00	0.00	0.00
17,200.0	89.40	359.93	10,533.5	7,040.7	-168.5	7,042.6	0.00	0.00	0.00
17,300.0	89.40	359.93	10,534.5	7,140.7	-168.6	7,142.5	0.00	0.00	0.00
17,400.0	89.40	359.93	10,535.6	7,240.7	-168.7	7,242.5	0.00	0.00	0.00
17,500.0	89.40	359.93	10,536.6	7,340.7	-168.9	7,342.5	0.00	0.00	0.00
17,600.0	89.40	359.93	10,537.7	7,440.7	-169.0	7,442.5	0.00	0.00	0.00
17,700.0	89.40	359.93	10,538.7	7,540.7	-169.1	7,542.5	0.00	0.00	0.00
17,800.0	89.40	359.93	10,539.7	7,640.7	-169.2	7,642.5	0.00	0.00	0.00
17,900.0	89.40	359.93	10,540.8	7,740.7	-169.3	7,742.4	0.00	0.00	0.00
18,000.0	89.40	359.93	10,541.8	7,840.7	-169.4	7,842.4	0.00	0.00	0.00
18,100.0	89.40	359.93	10,542.9	7,940.7	-169.6	7,942.4	0.00	0.00	0.00
18,200.0	89.40	359.93	10,543.9	8,040.7	-169.7	8,042.4	0.00	0.00	0.00
18,300.0	89.40	359.93	10,545.0	8,140.7	-169.8	8,142.4	0.00	0.00	0.00
18,400.0	89.40	359.93	10,546.0	8,240.7	-169.9	8,242.3	0.00	0.00	0.00
18,500.0	89.40	359.93	10,547.1	8,340.7	-170.0	8,342.3	0.00	0.00	0.00
18,600.0	89.40	359.93	10,548.1	8,440.7	-170.1	8,442.3	0.00	0.00	0.00
18,700.0	89.40	359.93	10,549.2	8,540.7	-170.3	8,542.3	0.00	0.00	0.00
18,800.0	89.40	359.93	10,550.2	8,640.6	-170.4	8,642.3	0.00	0.00	0.00
18,900.0	89.40	359.93	10,551.2	8,740.6	-170.5	8,742.3	0.00	0.00	0.00
19,000.0	89.40	359.93	10,552.3	8,840.6	-170.6	8,842.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,100.0	89.40	359.93	10,553.3	8,940.6	-170.7	8,942.2	0.00	0.00	0.00
19,200.0	89.40	359.93	10,554.4	9,040.6	-170.9	9,042.2	0.00	0.00	0.00
19,300.0	89.40	359.93	10,555.4	9,140.6	-171.0	9,142.2	0.00	0.00	0.00
19,400.0	89.40	359.93	10,556.5	9,240.6	-171.1	9,242.2	0.00	0.00	0.00
19,500.0	89.40	359.93	10,557.5	9,340.6	-171.2	9,342.2	0.00	0.00	0.00
19,600.0	89.40	359.93	10,558.6	9,440.6	-171.3	9,442.1	0.00	0.00	0.00
19,700.0	89.40	359.93	10,559.6	9,540.6	-171.4	9,542.1	0.00	0.00	0.00
19,800.0	89.40	359.93	10,560.7	9,640.6	-171.6	9,642.1	0.00	0.00	0.00
19,900.0	89.40	359.93	10,561.7	9,740.6	-171.7	9,742.1	0.00	0.00	0.00
20,000.0	89.40	359.93	10,562.7	9,840.6	-171.8	9,842.1	0.00	0.00	0.00
20,100.0	89.40	359.93	10,563.8	9,940.6	-171.9	9,942.1	0.00	0.00	0.00
20,200.0	89.40	359.93	10,564.8	10,040.6	-172.0	10,042.0	0.00	0.00	0.00
20,300.0	89.40	359.93	10,565.9	10,140.6	-172.1	10,142.0	0.00	0.00	0.00
20,400.0	89.40	359.93	10,566.9	10,240.6	-172.3	10,242.0	0.00	0.00	0.00
20,500.0	89.40	359.93	10,568.0	10,340.6	-172.4	10,342.0	0.00	0.00	0.00
20,600.0	89.40	359.93	10,569.0	10,440.5	-172.5	10,442.0	0.00	0.00	0.00
20,693.8	89.40	359.93	10,570.0	10,534.3	-172.6	10,535.7	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	0.00	0.00	10,466.0	513.9	-161.3	377,003.30	592,153.70	32° 2' 10.132 N	104° 2' 9.392 W
- plan misses target center by 6.3usft at 10673.6usft MD (10459.9 TVD, 515.0 N, -160.9 E)									
- Circle (radius 50.0)									
LTP (TATER SALAD FEI	0.00	0.00	10,568.6	10,404.3	-172.5	386,893.70	592,142.50	32° 3' 48.013 N	104° 2' 9.205 W
- plan misses target center by 0.1usft at 20563.7usft MD (10568.6 TVD, 10404.3 N, -172.4 E)									
- Point									
PBHL (TATER SALAD F	-0.60	179.93	10,570.0	10,534.3	-172.6	387,023.70	592,142.40	32° 3' 49.300 N	104° 2' 9.202 W
- plan hits target center									
- Rectangle (sides W100.0 H10,035.0 D20.0)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,400.1	2,398.8	16.2	-22.7	Start 812.6 hold at 2400.1 MD
3,212.6	3,203.4	81.7	-114.9	Start Drop -1.00
4,012.8	4,001.0	114.0	-160.4	Start 5987.6 hold at 4012.8 MD
10,000.4	9,988.6	114.0	-160.4	Start DLS 12.00 TFO 359.93
10,745.4	10,466.0	586.5	-161.0	Start 9948.4 hold at 10745.4 MD
20,693.8	10,570.0	10,534.3	-172.6	TD at 20693.8

ConocoPhillips

Project: ATLAS PROSPECT (DBW)
Site: TATER SALAD & MOMBA FEDERAL
Well: TATER SALAD FEDERAL COM 903H
Wellbore: OWB
Design: PWP1
GL: 2913.1
RKB=32ft @ 2945.1usft

WELL DETAILS: TATER SALAD FEDERAL COM 903H

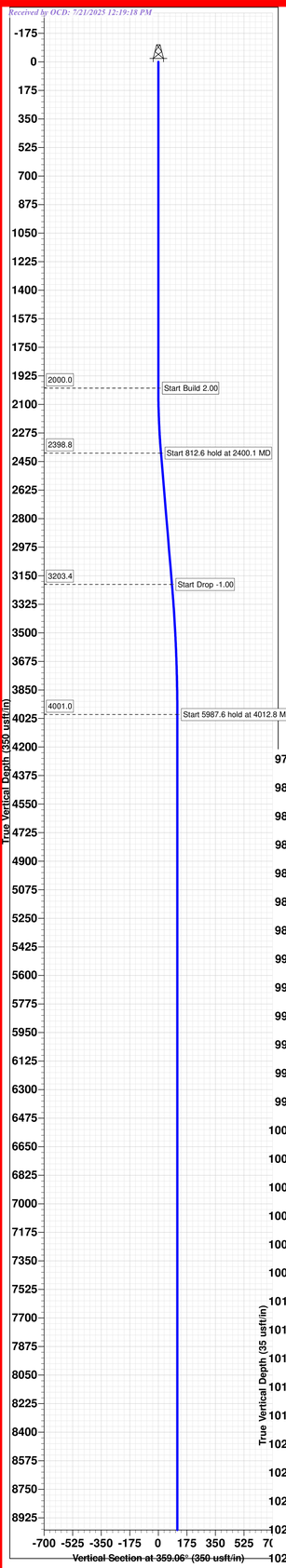
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	376489.40	592315.00	32° 2' 5.042 N	104° 2' 7.534 W

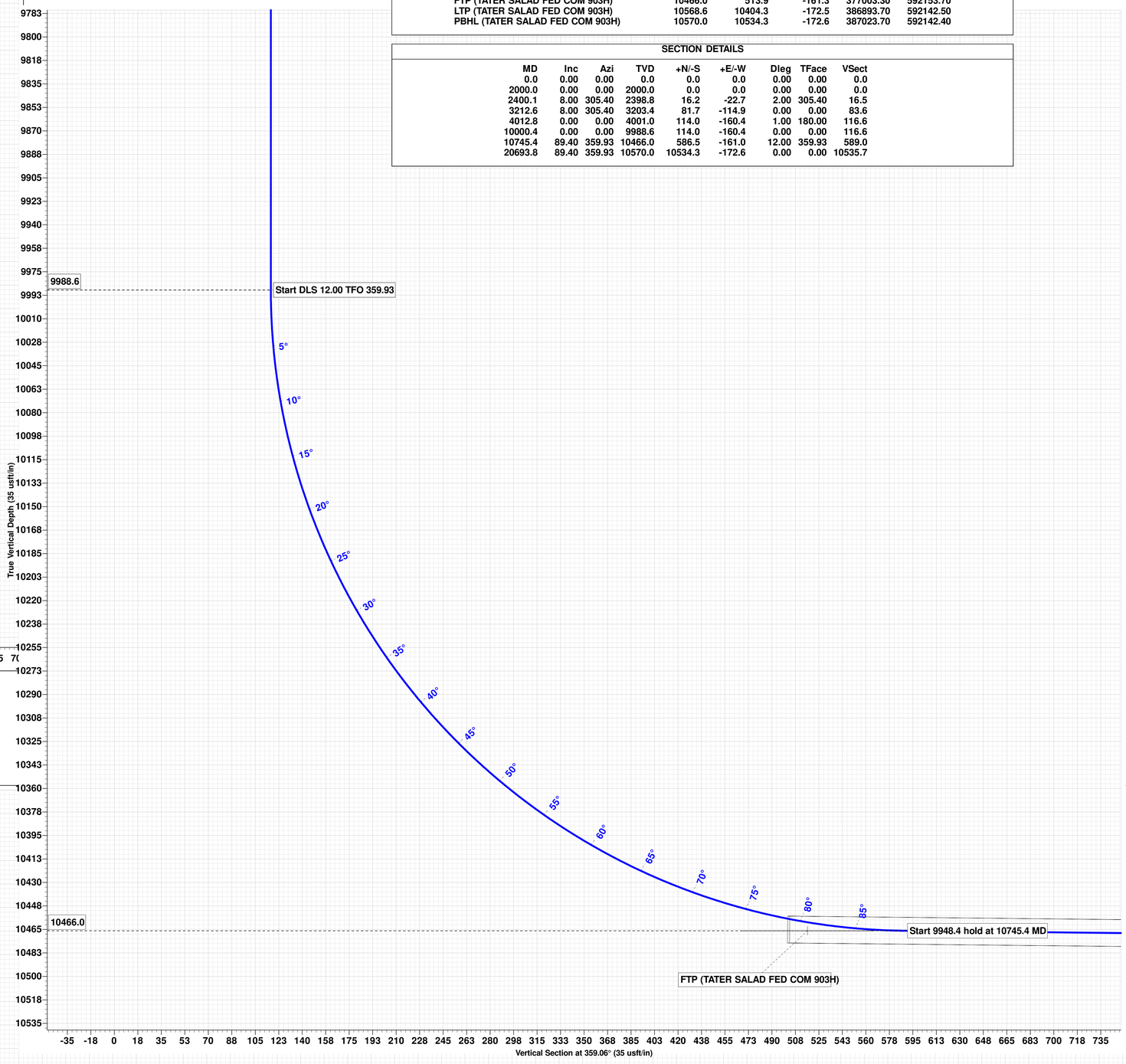
DESIGN TARGET DETAILS

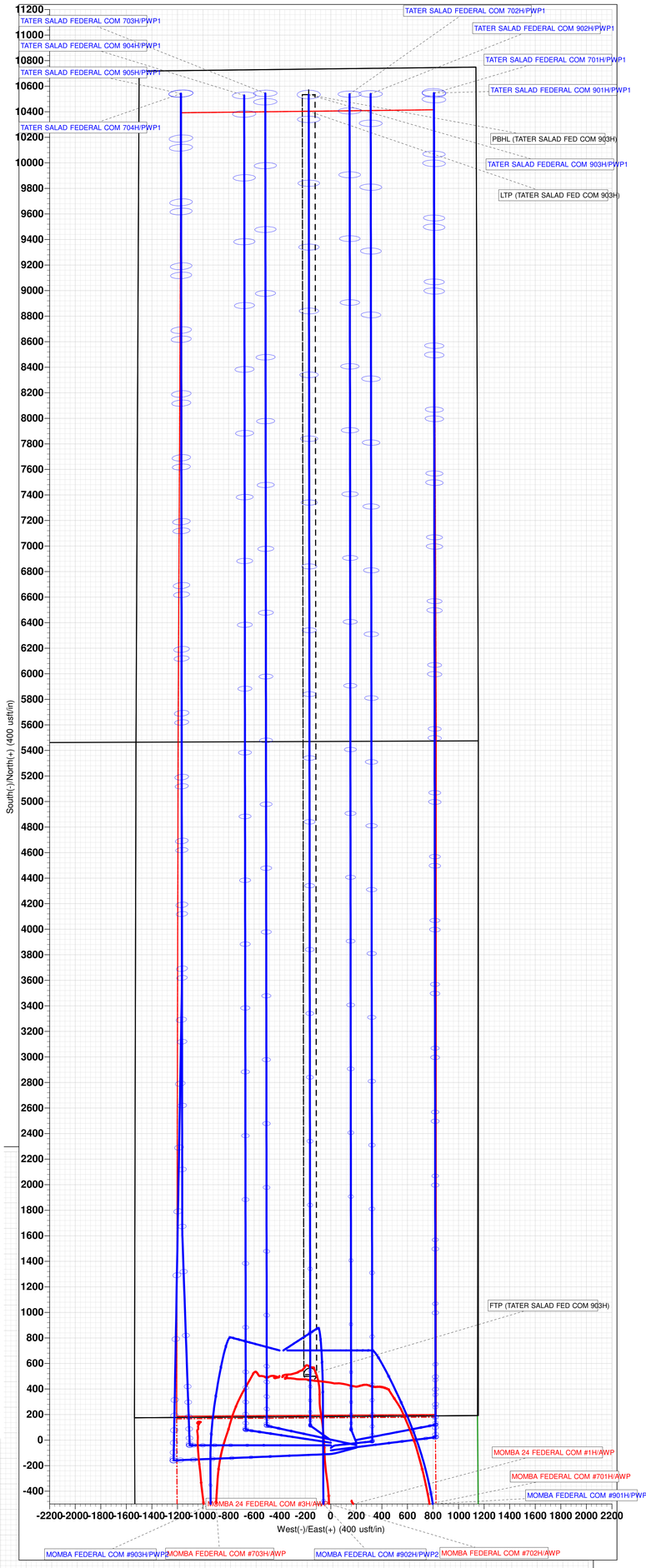
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 903H)	10466.0	513.9	-161.3	377003.30	592153.70
LTP (TATER SALAD FED COM 903H)	10568.6	10404.3	-172.5	386893.70	592142.50
PBHL (TATER SALAD FED COM 903H)	10570.0	10534.3	-172.6	387023.70	592142.40

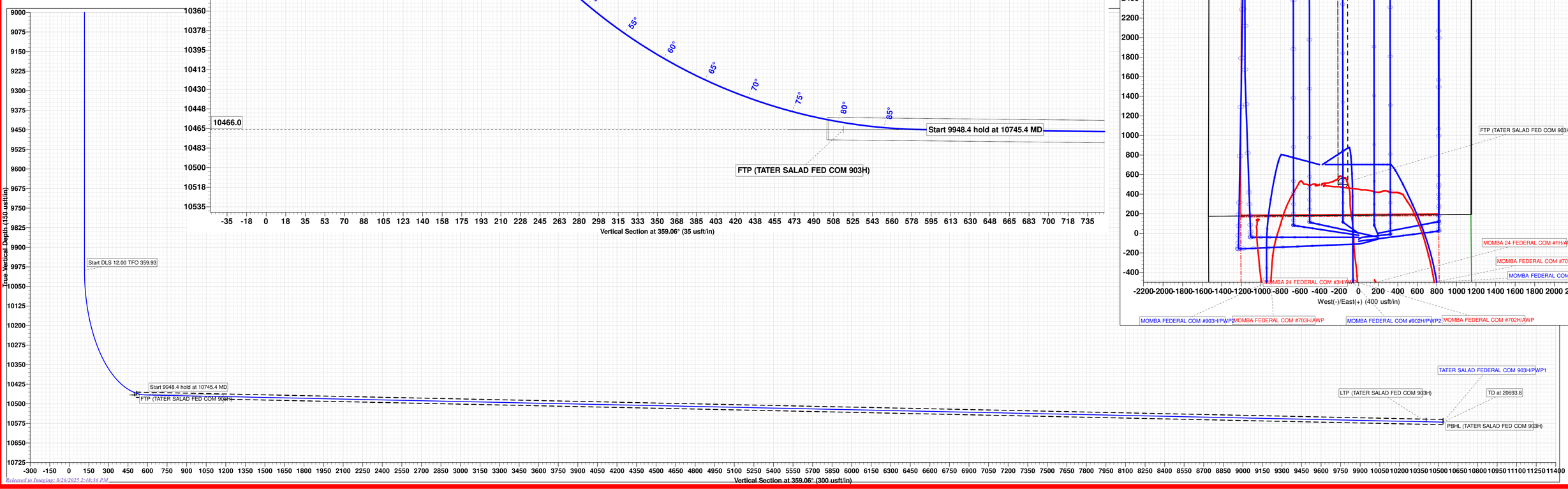
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
2400.1	8.00	305.40	2398.8	16.2	-22.7	2.00	305.40	16.5
3212.6	8.00	305.40	3203.4	81.7	-114.9	0.00	0.00	83.6
4012.8	0.00	0.00	4001.0	114.0	-160.4	1.00	180.00	116.6
10000.4	0.00	0.00	9988.6	114.0	-160.4	0.00	0.00	116.6
10745.4	89.40	359.93	10466.0	586.5	-161.0	12.00	359.93	589.0
20693.8	89.40	359.93	10570.0	10534.3	-172.6	0.00	0.00	10535.7









PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 903H
LOCATION:	Section 24, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	( ) Low	(•) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[x] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[x] Contingency Cement Squeeze	[x] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[x] Offline Cementing	[x] 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 **700 feet per BLM Geologist** (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

Approval Date: 07/10/2025

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 **700 feet per BLM Geologist** (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

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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 7/8/2025

COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

a. Well Control Equipment:
Flare line.
Choke manifold with remotely operated choke.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	OFFICE
COG OPERATING LLC OFFICE	575-748-6940
CHAD GREGORY	432-894-5590

EMERGENCY RESPONSE NUMBERS

	OFFICE
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

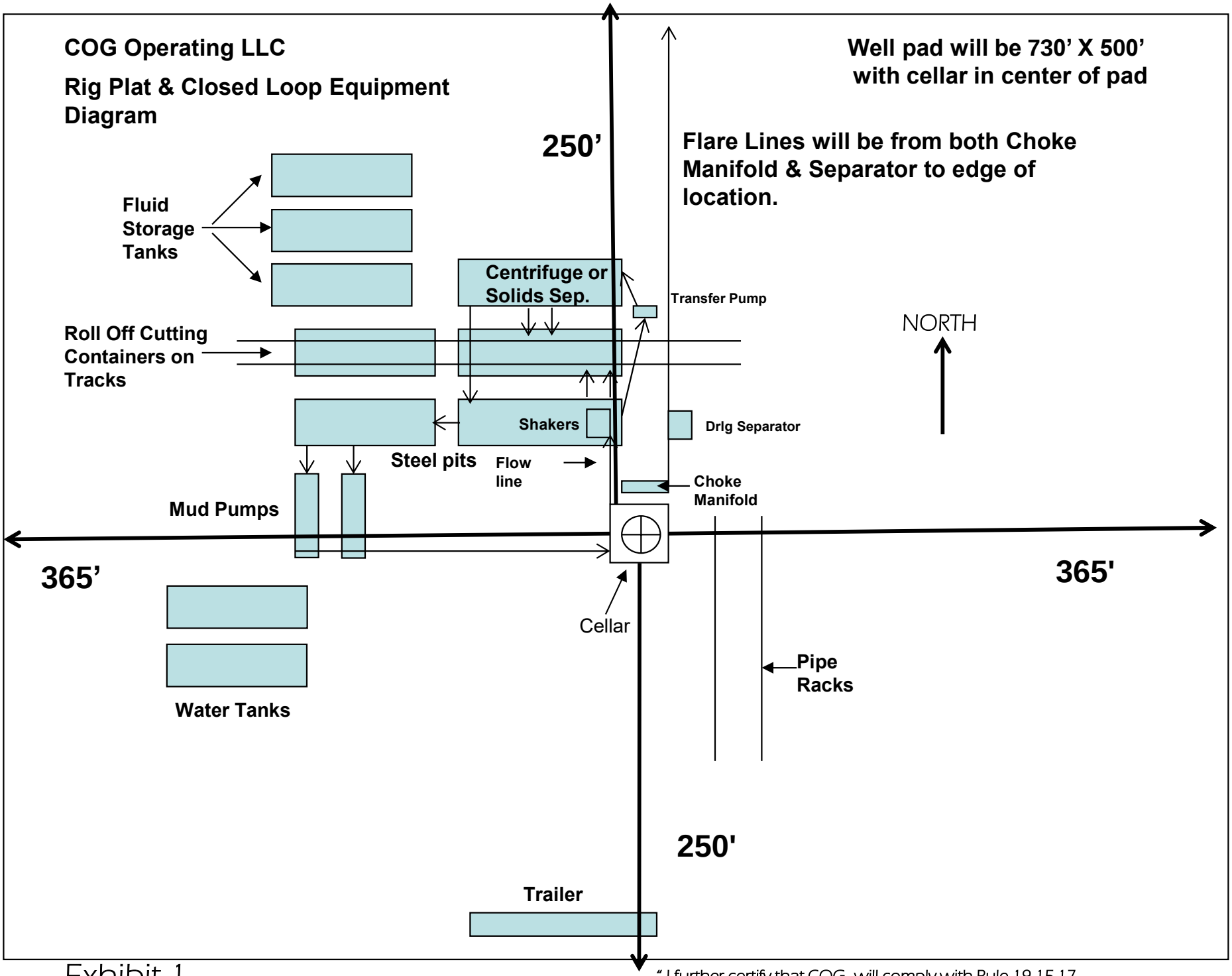

Exhibit 1

" I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

ConocoPhillips Company - TATER SALAD FED COM 903H

1. Geologic Formations

TVD of target	10,570' EOL	Pilot hole depth	NA
MD at TD:	20,797'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	465	Water	
Top of Salt	595	Salt	
Base of Salt	2462	Salt	
Lamar	2661	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3519	Oil/Gas	
Brushy Canyon	4846	Oil/Gas	
Bone Spring	6372	Oil/Gas	
1st Bone Spring Sand	7268	Oil/Gas	
2nd Bone Spring Sand	7976	Oil/Gas	
3rd Bone Spring Sand	9122	Oil/Gas	
Wolfcamp	9475	Oil/Gas	
Wolfcamp A	9585	Oil/Gas	
Wolfcamp B	9929	Oil/Gas	
Wolfcamp C	10461	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.	SF	SF Burst	SF	SF
	From	To		(lbs)			Collapse		Body	Joint
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	1.15	3.26	3.29
8.750"	7500	10004	7.625"	29.7	P110-ICY	W513	1.41	1.74	3.59	2.16
6.75"	0	9804	5.5"	23	P110-CY	BTC	2.11	2.46	3.23	3.23
6.75"	9804	20,797	5.5"	23	P110-CY	W441	1.96	2.28	3.00	2.72
					BLM Minimum Safety Factor		1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

2b. Contingtency Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	450	13.375"	54.5	J55	BTC	5.49	2.53	34.78	37.06
12.25"	0	2570	9.625"	40	L80-IC	BTC	2.90	1.47	8.91	9.21
8.75"	2370	10004	7.625"	29.7	P110-ICY	W513	1.41	1.74	3.59	2.16
6.75"	0	9804	5.5"	23	P110-CY	BTC	2.11	2.46	3.23	3.23
6.75"	9804	20,797	5.5"	23	P110-CY	W441	1.96	2.28	3.00	2.72
				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.

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	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 3rd 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 2nd 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?	

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3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	220	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Inter. Stage 1	740	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	620	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
Production	9,504'	20% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	270	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Int. #1	300	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl2
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl2
Inter. #2 (Liner)	300	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	510	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
2nd Intermediate	2,370'	20%
Production	9,754'	20% OH in Lateral (KOP to EOL)

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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.

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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	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7425 psi at 10570' 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

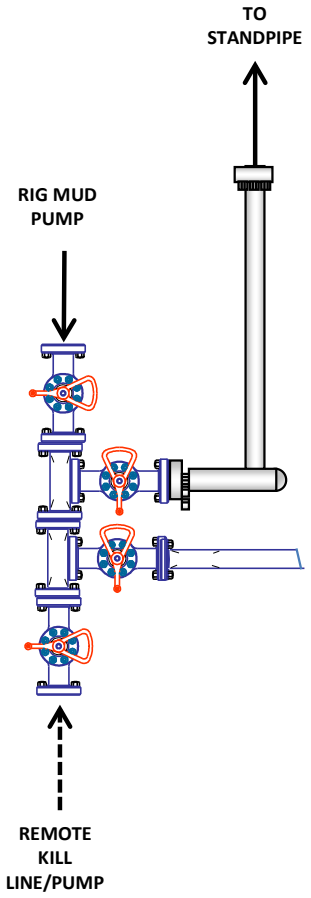
8. Other Facets of Operation

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

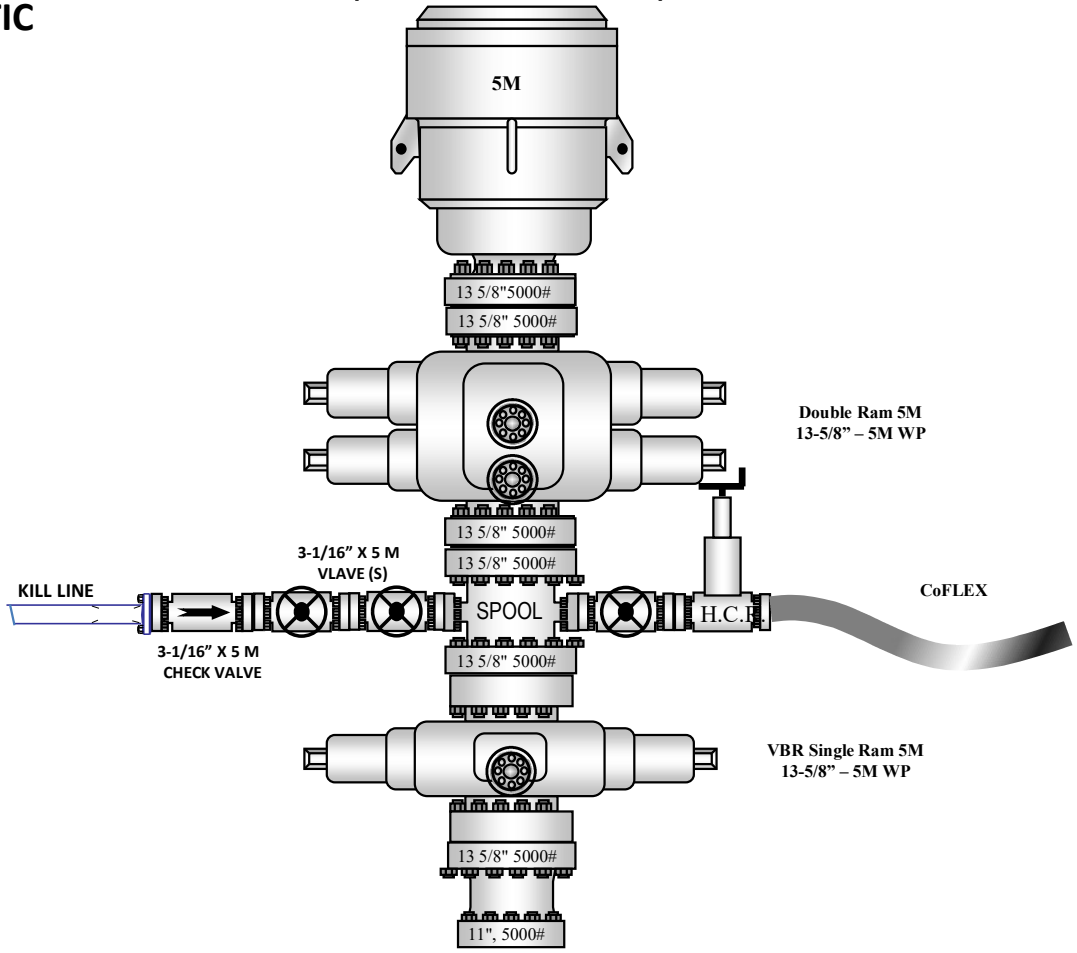
x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

5M BOP Stack

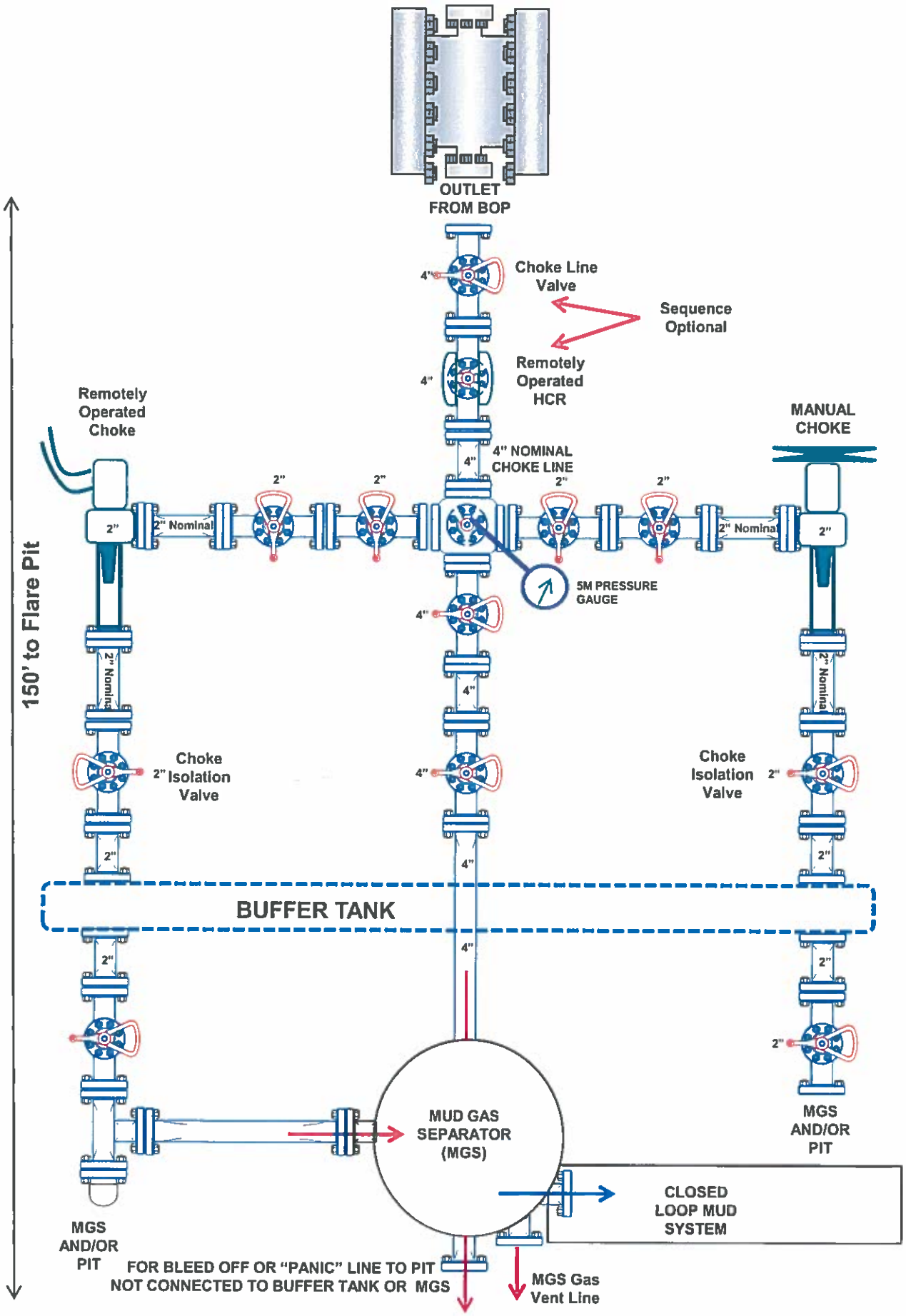
10M REMOTE KILL SCHEMATIC



5M BOP Stack
(2.5M Annular)

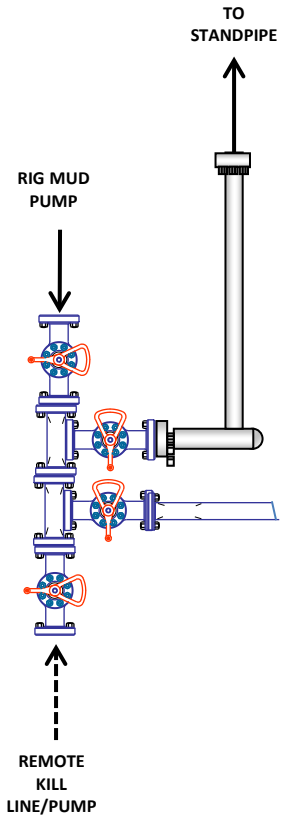


5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)

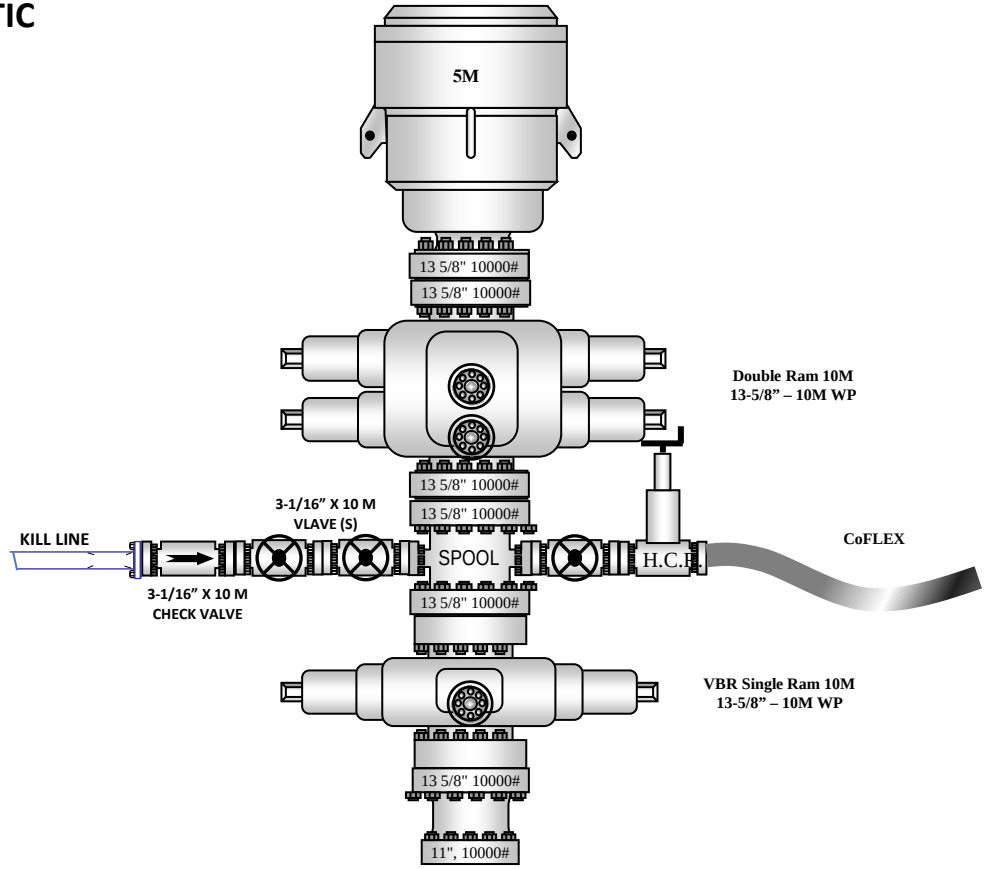


10M BOP Stack

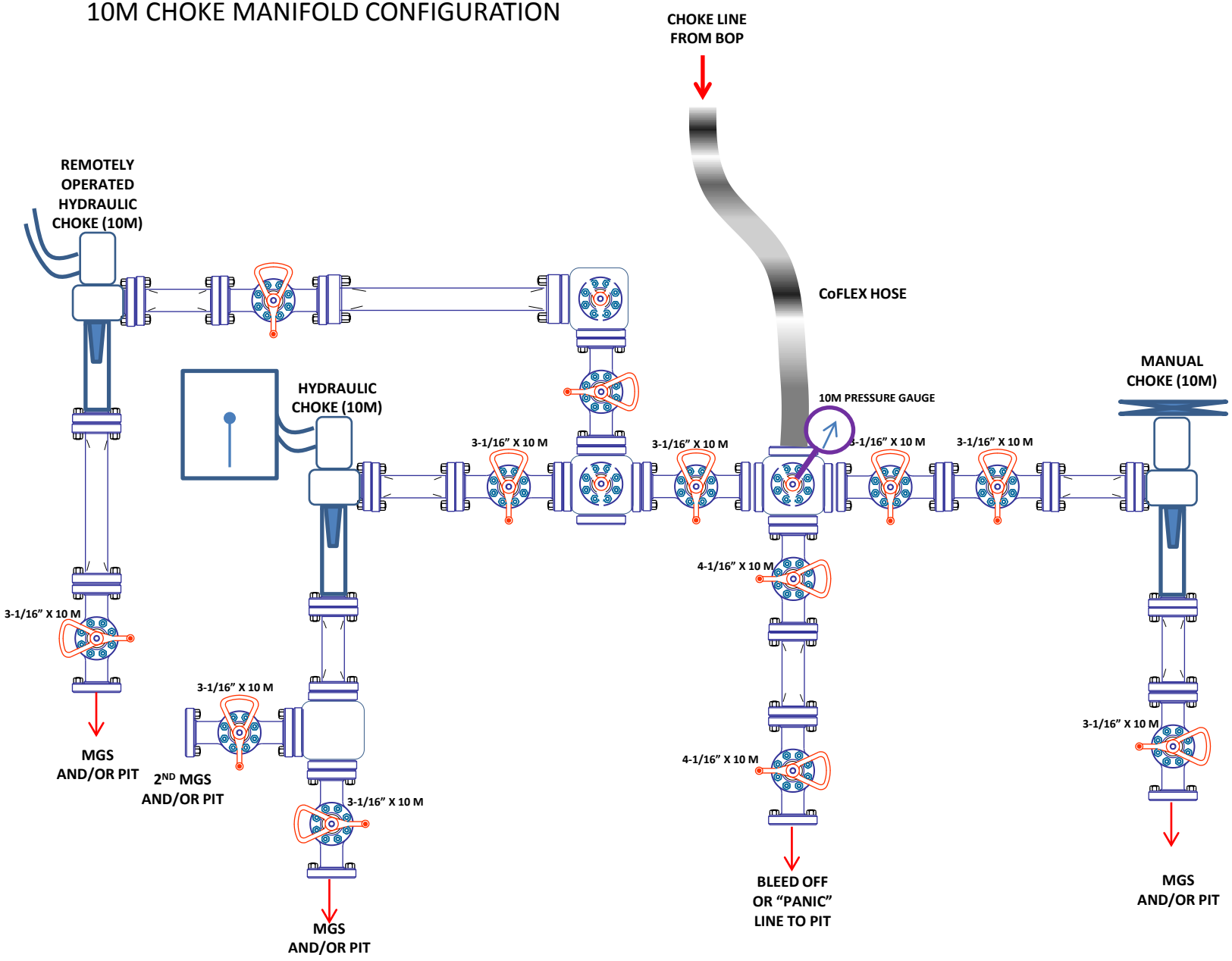
10M REMOTE KILL SCHEMATIC



10M BOP Stack
(5M Annular)



10M CHOKE MANIFOLD CONFIGURATION



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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 487077
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☐	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 487077
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mreyes4	Cement is required to circulate on both surface and intermediate1 strings of casing.	7/21/2025
mreyes4	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	7/21/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	8/26/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/26/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	8/26/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	8/26/2025