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 902H

2. Name of Operator: COG OPERATING LLC

9. API Well No.: 30-015-57153

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 / 245 FNL / 1150 FEL / LAT 32.034694 / LONG -104.03591

At proposed prod. zone: NENE / 200 FNL / 825 FEL / LAT 32.063831 / LONG -104.03481

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: 10800 feet / 21166 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: (Electronic Submission)

Name *(Printed/Typed)*: MAYTE REYES / Ph: (432) 683-7443

Date: 04/15/2025

Title: Regulatory Analyst

Approved by *(Signature)*: (Electronic Submission)

Name *(Printed/Typed)*: CHRISTOPHER WALLS / Ph: (575) 234-2234

Date: 07/10/2025

Title: Petroleum Engineer

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

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

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

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

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: 10400104497
Submission Date: 04/15/2025
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Number: 902H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400104497
Tie to previous NOS? N
Submission Date: 04/15/2025
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: 902H
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:** 902H

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_902H_C102_20250527152802.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	245	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034694	-104.03591	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2913			Y
KOP Leg #1	245	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034694	-104.03591	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:** 902H

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	825	FEL	26S	28E	13	Aliquot SESE	32.036277	-104.034862	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7852	11107	10765	Y
PPP Leg #1-2	1321	FNL	825	FEL	26S	28E	13	Aliquot SWNE	32.042637	-104.03485	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 117119	-7885	14390	10798	Y
EXIT Leg #1	330	FNL	825	FEL	26S	28E	12	Aliquot NENE	32.063473	-104.03481	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7557	10866	10470	Y
BHL Leg #1	200	FNL	825	FEL	26S	28E	12	Aliquot NENE	32.063831	-104.03481	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7887	21166	10800	Y

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

APD Print Report
07/21/2025

APD ID: 10400104497
Operator Name: COG OPERATING LLC
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Well Type: OIL WELL

Submission Date: 04/15/2025
Federal/Indian APD: FED
Well Number: 902H
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Show Final Text

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User: MAYTE REYES
Title: Regulatory Analyst
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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:** 902H

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:** 902H **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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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

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Well sub-Type: EXPLORATORY (WILDCAT)

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Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

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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EXIT Leg #1	330	FNL	825	FEL	26S	28E	12	Aliquot NENE	32.063473	-104.03481	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7557	10866	10470	Y
BHL Leg #1	200	FNL	825	FEL	26S	28E	12	Aliquot NENE	32.063831	-104.03481	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7887	21166	10800	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002270	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002274	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002275	TOP SALT	2318	595	595	SALT	NONE	N
16002276	BASE OF SALT	451	2462	2462	ANHYDRITE	NONE	N
16002281	LAMAR	252	2661	2661	LIMESTONE	NONE	N
16002282	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002277	CHERRY CANYON	-614	3527	3527	SANDSTONE	NATURAL GAS, OIL	N

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002283	BRUSHY CANYON	-1916	4829	4829	SANDSTONE	NATURAL GAS, OIL	N
16002278	BONE SPRING	-3460	6373	6373	SHALE	NATURAL GAS, OIL	N
16002279	BONE SPRING 1ST	-4361	7274	7274	SANDSTONE	NATURAL GAS, OIL	N
16002285	BONE SPRING 2ND	-5078	7991	7991	SANDSTONE	NATURAL GAS, OIL	N
16002273	BONE SPRING 3RD	-6220	9133	9133	SANDSTONE	NATURAL GAS, OIL	N
16002284	WOLFCAMP	-6572	9485	9485	SHALE	NATURAL GAS, OIL	N
16002295	WOLFCAMP	-6683	9596	9596	SHALE	NATURAL GAS, OIL	N
16002289		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002296	WOLFCAMP	-7026	9939	9939	SHALE	NATURAL GAS, OIL	N
16002291		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y
16002297	WOLFCAMP	-7556	10469	10469	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 10800

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:** 902H

Pressure Rating (PSI): 5M **Rating Depth:** 10243

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	10243	0	10243	-6907	-7330	10243	OTHER - P110-ICY	29.7	OTHER - W513	1.38	1.7	DRY	2.11	DRY	3.
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	21166	0	10800	-6907	-7887	21166	OTHER - P110-CY	23	OTHER - W441	1.92	2.23	DRY	2.67	DRY	2.

Casing Attachments

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415114505.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_902H_Casing_Program_20250415114616.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415114751.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_902H_Casing_Program_20250415114859.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415115009.pdf

Section 4 - Cement

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

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	10246	750	3.3	10.3	2475	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10243	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10800	21166	630	1.48	12.5	932	20	Lead: 50:50:10 H Blend	No additives
PRODUCTION	Tail		10800	21166	840	1.34	13.2	1125	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	10243	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10243	21166	OIL-BASED MUD	9.6	13.5							OBM

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

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: 7585 **Anticipated Surface Pressure:** 5208

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:** 902H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Slad_902H_Directional_Plan_20250415115819.pdf

COG_Tater_Salad_902H_AC_RPT_20250415115825.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_902H_Drilling_Program_20250415120642.pdf

COG_Tater_Salad_902H_Casing_Program_20250415120647.pdf

COG_Tater_Salad_902H_GCP_20250415120648.pdf

COG_Tater_Salad_902H_Cement_Program_20250415120649.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:** 902H

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:** 902H

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_902H_1_Mile_Data_20250415120842.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:** 902H

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:** 902H

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: 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

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: 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

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

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:** 902H

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:** 902H

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:** 902H

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:** 902H

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_902H_1_Mile_Data_20250415121313.pdf
COG_Tater_Salad_902H_C102_20250527152843.pdf

PWD

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

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:** 902H

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:** 902H

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:** 902H

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:** 902H

Payment

APD Fee Payment Method: PAY.GOV

pay.gov Tracking ID: 27NAGRJ8

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	
30-015-57153	98220	Purple Sage; Wolfcamp, Gas	
Property Code	Property Name		Well Number
329866	TATER SALAD FEDERAL COM		902H
OGRID No.	Operator Name		Ground Level Elevation
229137	COG OPERATING LLC		2913.1'
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		245 FNL	1150 FEL	32.034694°N	104.035910°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	825 FEL	32.063831°N	104.034810°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Defining	Pending 902H	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		245 FNL	1150 FEL	32.034694°N	104.035910°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	825 FEL	32.036277°N	104.034862°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	825 FEL	32.063473°N	104.034810°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		2913.1'

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 Harcrow 1/8/25

Signature and Seal of Professional Suveyor

Certificate Number: 17777

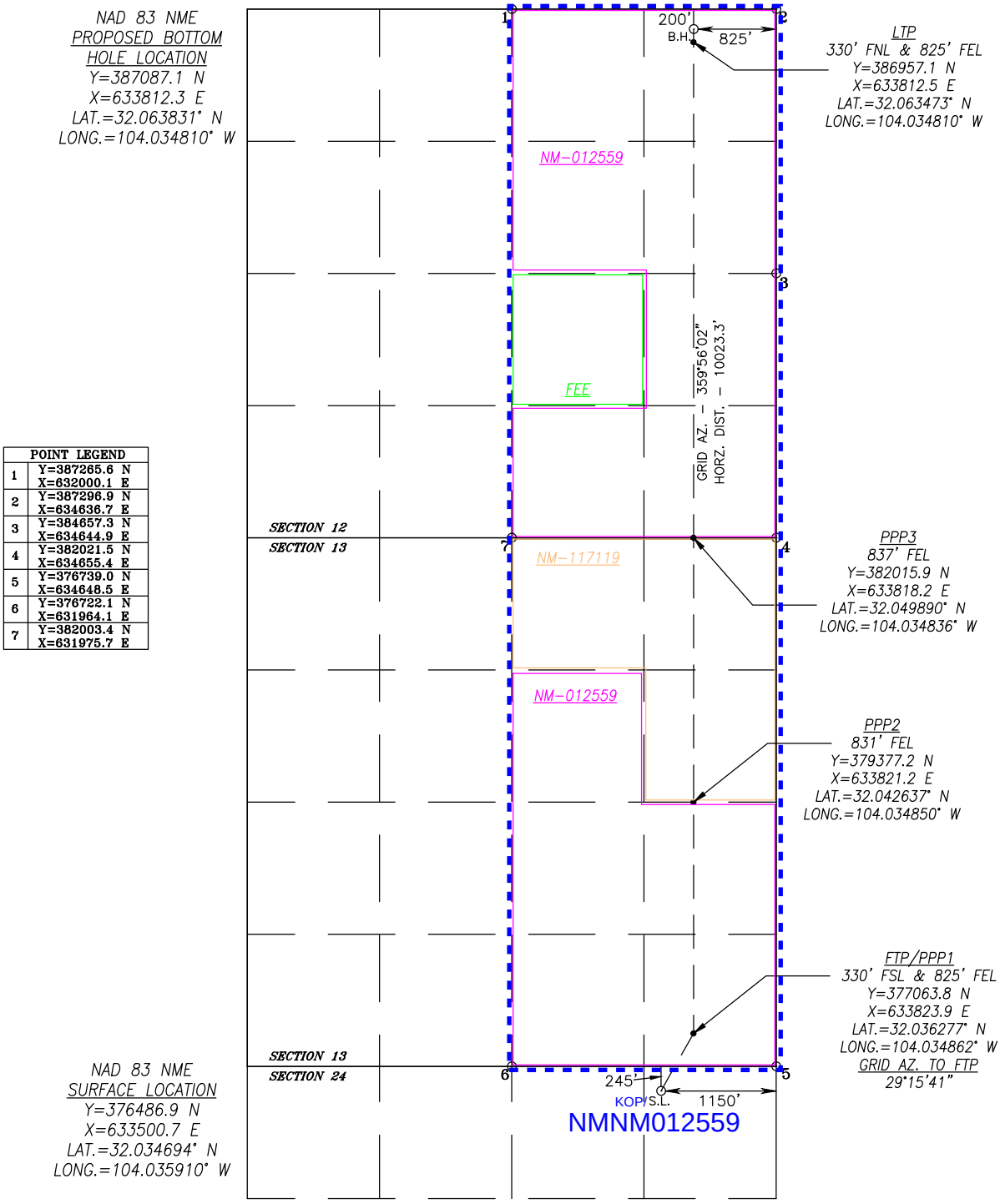
Date of Survey: DECEMBER 23, 2024

W.O.#24-1296 | 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.



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 902H	30-015-	A-24-26S-28E	245 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 902H	Pending	4/24/2026	± 25 days from spud	8/22/2026	9/1/26	9/6/26

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

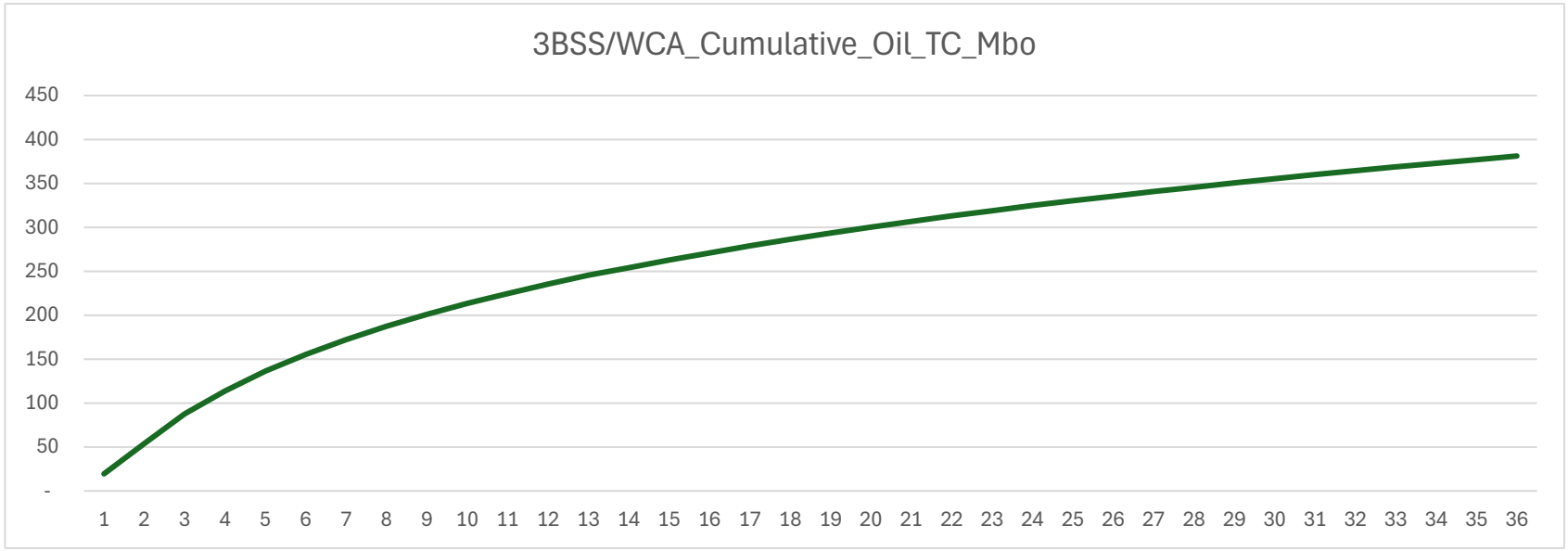
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

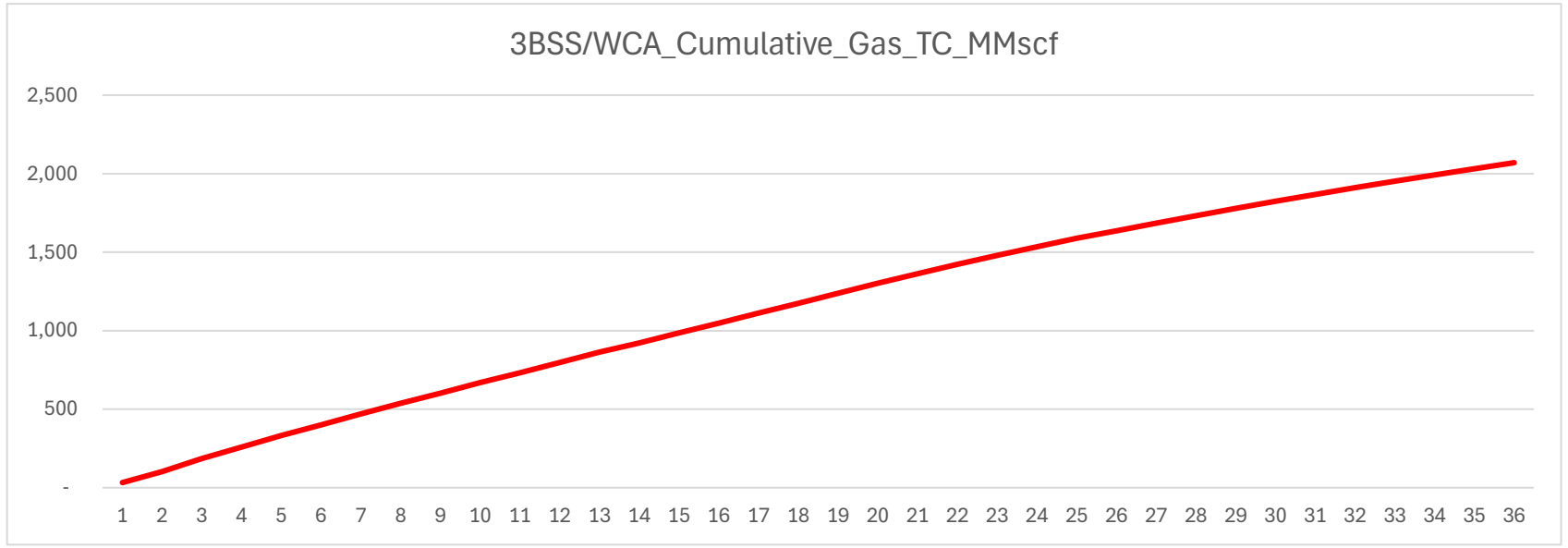
Signature:	Mayte Reyes
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coodinator
E-mail Address:	mayte.x.reyes@conocophillips.com
Date:	3/27/2025
Phone:	575-748-6945

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: 10400104497
Submission Date: 04/15/2025

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM
Well Number: 902H

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
16002270	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002274	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002275	TOP SALT	2318	595	595	SALT	NONE	N
16002276	BASE OF SALT	451	2462	2462	ANHYDRITE	NONE	N
16002281	LAMAR	252	2661	2661	LIMESTONE	NONE	N
16002282	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002277	CHERRY CANYON	-614	3527	3527	SANDSTONE	NATURAL GAS, OIL	N
16002283	BRUSHY CANYON	-1916	4829	4829	SANDSTONE	NATURAL GAS, OIL	N
16002278	BONE SPRING	-3460	6373	6373	SHALE	NATURAL GAS, OIL	N
16002279	BONE SPRING 1ST	-4361	7274	7274	SANDSTONE	NATURAL GAS, OIL	N
16002285	BONE SPRING 2ND	-5078	7991	7991	SANDSTONE	NATURAL GAS, OIL	N
16002273	BONE SPRING 3RD	-6220	9133	9133	SANDSTONE	NATURAL GAS, OIL	N
16002284	WOLFCAMP	-6572	9485	9485	SHALE	NATURAL GAS, OIL	N
16002295	WOLFCAMP	-6683	9596	9596	SHALE	NATURAL GAS, OIL	N
16002289		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002296	WOLFCAMP	-7026	9939	9939	SHALE	NATURAL GAS, OIL	N
16002291		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002297	WOLFCAMP	-7556	10469	10469	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 10800

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:** 10243

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:** 902H

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	10243	0	10243	-6907	-7330	10243	OTHER - P110-ICY	29.7	OTHER - W513	1.38	1.7	DRY	2.11	DRY	3.51
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	21166	0	10800	-6907	-7887	21166	OTHER - P110-CY	23	OTHER - W441	1.92	2.23	DRY	2.67	DRY	2.93

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415114505.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_902H_Casing_Program_20250415114616.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415114751.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_902H_Casing_Program_20250415114859.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_902H_Casing_Program_20250415115009.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	10246	750	3.3	10.3	2475	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10243	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10800	21166	630	1.48	12.5	932	20	Lead: 50:50:10 H Blend	No additives

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 902H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		10800	21166	840	1.34	13.2	1125	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	10243	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10243	21166	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:** 902H

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: 7585 **Anticipated Surface Pressure:** 5208

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_Slad_902H_Directional_Plan_20250415115819.pdf

COG_Tater_Salad_902H_AC_RPT_20250415115825.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:** 902H

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_902H_Drilling_Program_20250415120642.pdf
COG_Tater_Salad_902H_Casing_Program_20250415120647.pdf
COG_Tater_Salad_902H_GCP_20250415120648.pdf
COG_Tater_Salad_902H_Cement_Program_20250415120649.pdf

Other Variance request(s)?: N

Other Variance attachment:

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 902H
300154774900
OWB
PWP1

Anticollision Report

19 February, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 21,130.4usft	**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	10,307.2	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,307.2	21,130.4	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	11.4	444.8			
MOMBA 24 FEDERAL COM #1H - OWB - AWP	6,625.0	6,575.5	563.7	545.1	30.355 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	9,688.9	9,834.9	307.4	279.2	10.891 CC, ES	
MOMBA FEDERAL COM #701H - OWB - AWP	9,725.0	9,852.5	309.0	280.6	10.865 SF	
MOMBA FEDERAL COM #702H - OWB - AWP	9,699.4	10,000.1	377.5	349.3	13.396 CC	
MOMBA FEDERAL COM #702H - OWB - AWP	9,700.0	10,000.2	377.5	349.3	13.395 ES	
MOMBA FEDERAL COM #702H - OWB - AWP	9,725.0	10,002.7	378.4	350.1	13.389 SF	
MOMBA FEDERAL COM #703H - OWB - AWP	708.7	697.9	684.9	679.1	117.960 CC	
MOMBA FEDERAL COM #703H - OWB - AWP	725.0	712.6	685.0	679.1	117.425 ES	
MOMBA FEDERAL COM #703H - OWB - AWP	7,250.0	7,156.7	999.4	977.9	46.515 SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	11,103.2	10,779.7	140.6	107.4	4.234 CC, ES	
MOMBA FEDERAL COM #901H - OWB - PWP1	11,125.0	10,766.6	141.6	107.8	4.190 SF	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,725.0	11,267.5	409.8	378.8	13.224 SF	
MOMBA FEDERAL COM #902H - OWB - PWP2	11,011.2	11,006.2	387.5	358.7	13.454 CC, ES	
MOMBA FEDERAL COM #903H - OWB - PWP2	2,529.2	2,514.4	859.0	849.3	88.721 CC, ES	
MOMBA FEDERAL COM #903H - OWB - PWP2	4,600.0	4,566.3	999.4	983.3	62.219 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	1,991.3	1,992.3	208.8	200.7	25.729 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,025.0	2,024.2	208.8	200.6	25.449 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	9,200.0	9,225.0	512.6	475.0	13.648 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	3,657.0	3,652.2	108.7	93.1	6.955 CC	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	3,675.0	3,670.0	108.7	93.1	6.936 ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	9,325.0	9,309.3	188.8	160.5	6.667 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	2,932.2	2,939.6	26.0	13.8	2.132 Caution - Monitor Closely, CC, ES, SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,483.7	2,505.2	57.4	46.5	5.276 CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,500.0	2,520.6	57.7	46.7	5.241 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	2,000.0	2,000.1	20.0	10.8	2.178 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	2,025.0	2,025.1	20.0	10.8	2.163 Caution - Monitor Closely, ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	2,075.0	2,075.1	20.3	10.9	2.154 Caution - Monitor Closely, SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	1,991.6	1,991.7	60.0	50.8	6.549 CC	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	2,025.0	2,024.8	60.0	50.8	6.491 ES	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	21,130.4	20,694.2	568.7	405.6	3.487 SF	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,121.8	2,121.4	39.8	30.4	4.207 CC	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,150.0	2,149.4	39.9	30.3	4.175 ES	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,175.0	2,174.3	40.0	30.4	4.160 SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,124.6	2,124.5	19.6	10.2	2.078 Caution - Monitor Closely, CC	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 905H - OWB - PWP1	2,125.0	2,124.9	19.6	10.2	2.077	Caution - Monitor Closely, ES
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,150.0	2,149.8	19.7	10.2	2.076	Caution - Monitor Closely, 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

Offset Well Error: 3.0 usft

Rule Assigned: Distance

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
0.0	0.0	0.0	0.0	0.0	3.0	158.49	-413.8	163.1	445.0				
25.0	25.0	11.4	11.4	0.5	3.0	158.49	-413.8	163.1	444.8				
50.0	50.0	35.2	35.2	0.5	3.0	158.50	-413.9	163.1	444.9	440.1	4.73	94.143	
75.0	75.0	59.0	59.0	0.5	3.0	158.51	-414.0	163.0	445.0	440.3	4.73	94.170	
100.0	100.0	82.8	82.8	0.5	3.0	158.53	-414.3	162.9	445.2	440.5	4.73	94.212	
125.0	125.0	106.9	106.9	0.6	3.0	158.56	-414.6	162.8	445.5	440.7	4.76	93.599	
150.0	150.0	132.1	132.1	0.8	3.0	158.59	-415.0	162.7	445.7	440.9	4.80	92.852	
175.0	175.0	157.2	157.2	0.9	3.0	158.62	-415.3	162.6	446.0	441.2	4.85	91.981	
200.0	200.0	182.4	182.4	1.0	3.0	158.66	-415.7	162.4	446.3	441.4	4.90	90.998	
225.0	225.0	207.3	207.3	1.1	3.0	158.70	-416.0	162.2	446.5	441.6	4.95	90.297	
250.0	250.0	231.9	231.8	1.2	3.0	158.73	-416.4	162.1	446.8	441.8	4.99	89.558	
275.0	275.0	256.4	256.3	1.3	3.0	158.76	-416.7	162.0	447.1	442.1	5.04	88.786	
300.0	300.0	280.9	280.9	1.4	3.0	158.79	-417.1	161.8	447.4	442.4	5.09	87.985	
325.0	325.0	305.3	305.3	1.4	3.0	158.82	-417.5	161.8	447.8	442.7	5.13	87.314	
350.0	350.0	329.4	329.4	1.5	3.0	158.85	-417.9	161.7	448.2	443.0	5.17	86.627	
375.0	375.0	353.5	353.4	1.6	3.0	158.87	-418.4	161.7	448.7	443.4	5.22	85.932	
400.0	400.0	377.6	377.5	1.6	3.0	158.88	-418.9	161.8	449.2	443.9	5.27	85.230	
425.0	425.0	400.0	400.0	1.7	3.0	158.88	-419.4	162.0	449.7	444.4	5.31	84.626	
450.0	450.0	425.0	425.0	1.8	3.0	158.88	-419.9	162.2	450.3	445.0	5.36	84.002	
475.0	475.0	448.5	448.4	1.8	3.0	158.88	-420.6	162.5	451.0	445.6	5.41	83.395	
500.0	500.0	471.9	471.8	1.9	3.0	158.87	-421.2	162.8	451.8	446.4	5.46	82.797	
525.0	525.0	495.3	495.2	1.9	3.0	158.85	-421.9	163.3	452.7	447.2	5.50	82.270	
550.0	550.0	519.8	519.7	2.0	3.1	158.82	-422.7	163.8	453.7	448.1	5.55	81.734	
575.0	575.0	544.6	544.5	2.1	3.1	158.80	-423.5	164.3	454.6	449.0	5.60	81.194	
600.0	600.0	569.4	569.2	2.1	3.1	158.77	-424.4	164.8	455.6	450.0	5.65	80.655	
625.0	625.0	594.1	594.0	2.2	3.1	158.74	-425.2	165.4	456.6	450.9	5.70	80.161	
650.0	650.0	619.6	619.4	2.2	3.1	158.72	-426.0	166.0	457.6	451.8	5.74	79.661	
675.0	675.0	645.4	645.2	2.3	3.1	158.68	-426.8	166.6	458.5	452.7	5.79	79.153	
700.0	700.0	671.1	670.9	2.3	3.1	158.65	-427.6	167.2	459.4	453.6	5.84	78.623	
725.0	725.0	696.8	696.6	2.4	3.1	158.61	-428.3	167.8	460.3	454.4	5.89	78.107	
750.0	750.0	721.4	721.1	2.4	3.1	158.57	-429.0	168.4	461.1	455.2	5.94	77.608	
775.0	775.0	745.7	745.5	2.5	3.1	158.53	-429.6	169.0	462.0	456.0	5.99	77.117	
800.0	800.0	770.1	769.8	2.5	3.1	158.49	-430.4	169.6	462.9	456.9	6.04	76.629	
825.0	825.0	794.5	794.2	2.6	3.1	158.46	-431.1	170.1	463.8	457.7	6.09	76.172	
850.0	850.0	819.1	818.8	2.6	3.1	158.43	-431.9	170.7	464.8	458.7	6.14	75.717	
875.0	875.0	843.8	843.4	2.6	3.1	158.41	-432.8	171.3	465.8	459.6	6.19	75.264	
900.0	900.0	868.5	868.1	2.7	3.2	158.39	-433.6	171.8	466.8	460.6	6.24	74.813	
925.0	925.0	893.1	892.7	2.7	3.2	158.37	-434.5	172.3	467.8	461.5	6.29	74.385	
950.0	950.0	918.5	918.1	2.8	3.2	158.36	-435.5	172.7	468.8	462.5	6.34	73.952	
975.0	975.0	944.2	943.8	2.8	3.2	158.35	-436.4	173.2	469.8	463.4	6.39	73.511	
1,000.0	1,000.0	969.9	969.4	2.9	3.2	158.34	-437.2	173.7	470.8	464.3	6.44	73.066	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
1,025.0	1,025.0	995.6	995.1	2.9	3.2	158.33	-438.1	174.1	471.7	465.2	6.49	72.633	
1,050.0	1,050.0	1,021.1	1,020.6	3.0	3.2	158.32	-438.9	174.5	472.6	466.0	6.55	72.197	
1,075.0	1,075.0	1,046.7	1,046.2	3.0	3.2	158.31	-439.7	174.9	473.4	466.8	6.60	71.758	
1,100.0	1,100.0	1,072.2	1,071.7	3.0	3.2	158.30	-440.4	175.3	474.3	467.6	6.65	71.317	
1,125.0	1,125.0	1,097.8	1,097.3	3.1	3.3	158.29	-441.1	175.7	475.0	468.3	6.70	70.886	
1,150.0	1,150.0	1,122.9	1,122.3	3.1	3.3	158.28	-441.8	176.0	475.8	469.1	6.75	70.459	
1,175.0	1,175.0	1,147.9	1,147.3	3.2	3.3	158.27	-442.5	176.4	476.6	469.8	6.81	70.034	
1,200.0	1,200.0	1,172.9	1,172.4	3.2	3.3	158.26	-443.2	176.7	477.4	470.5	6.86	69.611	
1,225.0	1,225.0	1,198.0	1,197.4	3.2	3.3	158.25	-443.9	177.1	478.1	471.2	6.91	69.202	
1,250.0	1,250.0	1,223.9	1,223.3	3.3	3.3	158.24	-444.6	177.4	478.9	471.9	6.96	68.784	
1,275.0	1,275.0	1,249.9	1,249.3	3.3	3.3	158.24	-445.2	177.7	479.5	472.5	7.01	68.361	
1,300.0	1,300.0	1,275.9	1,275.3	3.4	3.4	158.23	-445.8	178.0	480.2	473.1	7.07	67.933	
1,325.0	1,325.0	1,302.0	1,301.3	3.4	3.4	158.23	-446.4	178.3	480.8	473.6	7.12	67.510	
1,350.0	1,350.0	1,326.9	1,326.3	3.4	3.4	158.22	-446.9	178.5	481.3	474.1	7.17	67.094	
1,375.0	1,375.0	1,352.0	1,351.3	3.5	3.4	158.22	-447.4	178.7	481.9	474.6	7.23	66.681	
1,400.0	1,400.0	1,377.0	1,376.4	3.5	3.4	158.22	-447.9	179.0	482.4	475.1	7.28	66.270	
1,425.0	1,425.0	1,402.1	1,401.5	3.6	3.4	158.21	-448.4	179.2	483.0	475.6	7.33	65.869	
1,450.0	1,450.0	1,428.0	1,427.3	3.6	3.4	158.21	-448.8	179.5	483.5	476.1	7.39	65.468	
1,475.0	1,475.0	1,453.9	1,453.2	3.6	3.5	158.19	-449.3	179.8	484.0	476.5	7.44	65.065	
1,500.0	1,500.0	1,479.8	1,479.1	3.7	3.5	158.17	-449.6	180.1	484.4	476.9	7.49	64.658	
1,525.0	1,525.0	1,505.5	1,504.9	3.7	3.5	158.15	-449.9	180.4	484.8	477.2	7.54	64.258	
1,550.0	1,550.0	1,530.8	1,530.1	3.8	3.5	158.13	-450.2	180.7	485.1	477.6	7.60	63.862	
1,575.0	1,575.0	1,556.0	1,555.4	3.8	3.5	158.11	-450.4	181.0	485.5	477.8	7.65	63.469	
1,600.0	1,600.0	1,581.3	1,580.6	3.8	3.5	158.09	-450.7	181.3	485.8	478.1	7.70	63.076	
1,625.0	1,625.0	1,606.5	1,605.8	3.9	3.6	158.07	-451.0	181.5	486.2	478.4	7.75	62.691	
1,650.0	1,650.0	1,631.4	1,630.7	3.9	3.6	158.06	-451.2	181.7	486.5	478.7	7.81	62.306	
1,675.0	1,675.0	1,656.4	1,655.7	3.9	3.6	158.05	-451.5	182.0	486.8	478.9	7.86	61.926	
1,700.0	1,700.0	1,681.3	1,680.6	4.0	3.6	158.04	-451.7	182.2	487.1	479.2	7.91	61.549	
1,725.0	1,725.0	1,706.3	1,705.6	4.0	3.6	158.03	-452.0	182.4	487.5	479.5	7.97	61.180	
1,750.0	1,750.0	1,731.2	1,730.5	4.1	3.6	158.02	-452.3	182.6	487.8	479.8	8.02	60.813	
1,775.0	1,775.0	1,756.2	1,755.5	4.1	3.7	158.02	-452.6	182.7	488.1	480.0	8.07	60.450	
1,800.0	1,800.0	1,781.1	1,780.4	4.1	3.7	158.02	-452.9	182.8	488.5	480.3	8.13	60.091	
1,825.0	1,825.0	1,806.0	1,805.4	4.2	3.7	158.02	-453.2	182.9	488.8	480.6	8.18	59.739	
1,850.0	1,850.0	1,830.9	1,830.2	4.2	3.7	158.02	-453.6	183.0	489.1	480.9	8.24	59.391	
1,875.0	1,875.0	1,855.7	1,855.0	4.2	3.7	158.03	-453.9	183.1	489.5	481.2	8.29	59.048	
1,900.0	1,900.0	1,880.6	1,879.9	4.3	3.8	158.04	-454.2	183.2	489.8	481.5	8.34	58.708	
1,925.0	1,925.0	1,905.3	1,904.6	4.3	3.8	158.04	-454.6	183.3	490.2	481.8	8.40	58.379	
1,950.0	1,950.0	1,929.6	1,928.9	4.3	3.8	158.04	-454.9	183.4	490.6	482.2	8.45	58.068	
1,975.0	1,975.0	1,954.0	1,953.2	4.4	3.8	158.02	-455.3	183.8	491.0	482.5	8.50	57.765	
2,000.0	2,000.0	1,978.3	1,977.6	4.4	3.8	157.98	-455.6	184.2	491.5	482.9	8.55	57.470	
2,025.0	2,025.0	2,002.6	2,001.8	4.4	3.9	102.93	-455.9	184.8	492.0	483.4	8.60	57.234	
2,050.0	2,050.0	2,026.7	2,026.0	4.5	3.9	102.88	-456.1	185.5	492.6	483.9	8.64	57.022	
2,075.0	2,075.0	2,050.9	2,050.1	4.5	3.9	102.83	-456.4	186.4	493.2	484.5	8.68	56.819	
2,100.0	2,100.0	2,075.0	2,074.3	4.5	3.9	102.77	-456.7	187.3	493.9	485.2	8.72	56.626	
2,125.0	2,125.0	2,100.0	2,099.2	4.6	3.9	102.72	-456.9	188.4	494.7	485.9	8.78	56.341	
2,150.0	2,150.0	2,123.4	2,122.6	4.6	3.9	102.67	-457.2	189.4	495.5	486.7	8.84	56.075	
2,175.0	2,175.0	2,147.6	2,146.7	4.6	3.9	102.64	-457.5	190.5	496.4	487.6	8.89	55.817	
2,200.0	2,200.0	2,171.7	2,170.9	4.7	4.0	102.62	-457.9	191.6	497.4	488.5	8.95	55.570	
2,225.0	2,224.9	2,195.9	2,195.0	4.7	4.0	102.61	-458.4	192.7	498.4	489.4	9.01	55.330	
2,250.0	2,249.9	2,219.9	2,219.0	4.8	4.0	102.61	-458.8	193.8	499.5	490.5	9.07	55.102	
2,275.0	2,274.9	2,243.9	2,242.9	4.8	4.0	102.62	-459.3	195.0	500.7	491.6	9.12	54.885	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,300.0	2,299.9	2,267.8	2,266.8	4.9	4.0	102.62	-459.7	196.3	502.0	492.8	9.18	54.682	
2,325.0	2,324.8	2,291.7	2,290.7	4.9	4.0	102.63	-460.2	197.7	503.3	494.1	9.24	54.484	
2,350.0	2,349.8	2,315.8	2,314.7	4.9	4.1	102.64	-460.7	199.2	504.7	495.4	9.29	54.300	
2,375.0	2,374.7	2,339.9	2,338.8	5.0	4.1	102.65	-461.2	200.8	506.2	496.8	9.35	54.128	
2,400.0	2,399.7	2,364.1	2,362.8	5.0	4.1	102.66	-461.8	202.4	507.7	498.3	9.41	53.967	
2,425.0	2,424.6	2,388.2	2,386.9	5.1	4.1	102.68	-462.3	204.2	509.3	499.8	9.46	53.809	
2,450.0	2,449.5	2,413.5	2,412.1	5.1	4.1	102.70	-462.9	206.1	510.9	501.4	9.52	53.654	
2,475.0	2,474.5	2,439.9	2,438.4	5.2	4.2	102.74	-463.4	208.0	512.5	502.9	9.58	53.496	
2,500.0	2,499.4	2,466.3	2,464.8	5.2	4.2	102.80	-463.9	209.8	514.1	504.4	9.64	53.335	
2,525.0	2,524.3	2,492.7	2,491.1	5.3	4.2	98.04	-464.3	211.6	515.5	505.8	9.71	53.063	
2,550.0	2,549.2	2,518.8	2,517.2	5.4	4.2	93.78	-464.7	213.3	516.7	506.9	9.79	52.771	
2,575.0	2,574.0	2,544.9	2,543.2	5.4	4.2	89.98	-465.1	215.0	517.7	507.8	9.87	52.463	
2,600.0	2,598.9	2,570.9	2,569.1	5.5	4.3	86.63	-465.4	216.5	518.4	508.5	9.94	52.138	
2,625.0	2,623.7	2,596.9	2,595.1	5.5	4.3	83.68	-465.7	217.9	519.0	509.0	10.01	51.857	
2,650.0	2,648.6	2,623.3	2,621.5	5.6	4.3	81.09	-466.0	219.2	519.3	509.2	10.07	51.560	
2,675.0	2,673.4	2,649.7	2,647.9	5.7	4.3	78.83	-466.2	220.5	519.4	509.3	10.14	51.244	
2,700.0	2,698.2	2,676.2	2,674.3	5.7	4.3	76.86	-466.5	221.6	519.3	509.1	10.20	50.910	
2,717.4	2,715.4	2,694.5	2,692.7	5.7	4.3	75.63	-466.6	222.3	519.0	508.8	10.22	50.801	
2,725.0	2,722.9	2,702.5	2,700.7	5.7	4.4	75.72	-466.6	222.6	518.9	508.7	10.23	50.707	
2,750.0	2,747.7	2,727.3	2,725.4	5.8	4.4	76.01	-466.8	223.5	518.5	508.2	10.29	50.411	
2,775.0	2,772.4	2,752.2	2,750.3	5.9	4.4	76.29	-466.9	224.4	518.1	507.8	10.34	50.119	
2,800.0	2,797.2	2,777.1	2,775.2	5.9	4.4	76.58	-467.1	225.2	517.7	507.4	10.39	49.832	
2,825.0	2,822.0	2,802.1	2,800.1	6.0	4.4	76.87	-467.2	226.1	517.4	506.9	10.44	49.541	
2,850.0	2,846.7	2,827.7	2,825.7	6.0	4.4	77.17	-467.4	227.0	517.0	506.5	10.50	49.252	
2,875.0	2,871.5	2,853.3	2,851.3	6.1	4.5	77.47	-467.5	227.8	516.6	506.0	10.55	48.966	
2,900.0	2,896.2	2,878.9	2,876.9	6.2	4.5	77.78	-467.6	228.6	516.2	505.6	10.60	48.682	
2,925.0	2,921.0	2,904.4	2,902.4	6.3	4.5	78.09	-467.6	229.3	515.7	505.1	10.66	48.396	
2,950.0	2,945.7	2,929.4	2,927.3	6.3	4.5	78.40	-467.7	230.0	515.3	504.6	10.71	48.119	
2,975.0	2,970.5	2,954.3	2,952.3	6.4	4.5	78.71	-467.7	230.7	514.8	504.1	10.76	47.846	
3,000.0	2,995.2	2,979.3	2,977.3	6.5	4.6	79.02	-467.8	231.4	514.4	503.6	10.81	47.577	
3,025.0	3,020.0	3,004.3	3,002.2	6.6	4.6	79.33	-467.8	232.1	514.0	503.1	10.86	47.310	
3,050.0	3,044.8	3,029.3	3,027.3	6.6	4.6	79.64	-467.9	232.7	513.6	502.7	10.92	47.048	
3,075.0	3,069.5	3,054.3	3,052.3	6.7	4.6	79.96	-467.9	233.3	513.2	502.2	10.97	46.789	
3,100.0	3,094.3	3,079.3	3,077.3	6.8	4.6	80.28	-467.9	233.9	512.8	501.7	11.02	46.535	
3,125.0	3,119.0	3,104.4	3,102.3	6.9	4.7	80.61	-468.0	234.5	512.4	501.3	11.07	46.282	
3,150.0	3,143.8	3,129.7	3,127.7	7.0	4.7	80.94	-468.0	235.0	512.0	500.9	11.12	46.036	
3,175.0	3,168.5	3,155.1	3,153.0	7.1	4.7	81.27	-468.0	235.6	511.6	500.4	11.17	45.791	
3,200.0	3,193.3	3,180.4	3,178.3	7.1	4.7	81.60	-468.0	236.1	511.2	499.9	11.22	45.549	
3,225.0	3,218.1	3,205.6	3,203.5	7.2	4.7	81.94	-467.9	236.6	510.7	499.5	11.27	45.308	
3,250.0	3,242.8	3,230.4	3,228.3	7.3	4.8	82.27	-467.9	237.1	510.3	499.0	11.32	45.074	
3,275.0	3,267.6	3,255.2	3,253.1	7.4	4.8	82.61	-467.9	237.5	510.0	498.6	11.37	44.844	
3,300.0	3,292.3	3,279.9	3,277.8	7.5	4.8	82.94	-467.8	237.9	509.6	498.2	11.42	44.618	
3,325.0	3,317.1	3,304.7	3,302.6	7.6	4.8	83.29	-467.8	238.3	509.2	497.8	11.47	44.395	
3,350.0	3,341.8	3,329.3	3,327.2	7.7	4.8	83.63	-467.8	238.7	508.9	497.4	11.52	44.173	
3,375.0	3,366.6	3,353.9	3,351.8	7.8	4.9	83.97	-467.8	239.1	508.6	497.1	11.57	43.956	
3,400.0	3,391.4	3,378.6	3,376.5	7.9	4.9	84.31	-467.8	239.5	508.4	496.7	11.62	43.744	
3,425.0	3,416.1	3,403.3	3,401.1	8.0	4.9	84.65	-467.8	239.9	508.1	496.4	11.67	43.534	
3,450.0	3,440.9	3,428.2	3,426.0	8.0	4.9	85.00	-467.9	240.3	507.9	496.2	11.72	43.326	
3,475.0	3,465.6	3,453.1	3,450.9	8.1	5.0	85.35	-467.9	240.6	507.7	495.9	11.77	43.120	
3,500.0	3,490.4	3,477.9	3,475.8	8.2	5.0	85.70	-467.9	240.9	507.5	495.7	11.82	42.918	
3,525.0	3,515.1	3,502.8	3,500.7	8.3	5.0	86.06	-467.9	241.2	507.3	495.4	11.88	42.717	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,550.0	3,539.9	3,527.7	3,525.6	8.4	5.0	86.42	-467.9	241.5	507.2	495.2	11.93	42.517	
3,575.0	3,564.7	3,552.6	3,550.4	8.5	5.0	86.79	-468.0	241.7	507.0	495.0	11.98	42.320	
3,600.0	3,589.4	3,577.4	3,575.3	8.6	5.1	87.16	-468.0	241.9	506.9	494.9	12.03	42.126	
3,625.0	3,614.2	3,602.2	3,600.1	8.7	5.1	87.53	-468.0	242.1	506.8	494.7	12.09	41.933	
3,650.0	3,638.9	3,626.8	3,624.7	8.8	5.1	87.90	-468.1	242.3	506.7	494.6	12.14	41.740	
3,675.0	3,663.7	3,651.4	3,649.3	8.9	5.1	88.27	-468.1	242.4	506.6	494.4	12.19	41.551	
3,700.0	3,688.4	3,676.0	3,673.9	9.0	5.2	88.64	-468.1	242.6	506.6	494.4	12.25	41.365	
3,705.4	3,693.8	3,681.4	3,679.2	9.0	5.2	88.72	-468.2	242.6	506.6	494.4	12.26	41.325	
3,725.0	3,713.2	3,700.6	3,698.5	9.1	5.2	89.01	-468.2	242.7	506.6	494.3	12.30	41.182	
3,750.0	3,737.9	3,725.2	3,723.1	9.2	5.2	89.38	-468.3	242.9	506.7	494.3	12.36	40.995	
3,775.0	3,762.7	3,749.8	3,747.7	9.3	5.2	89.75	-468.3	243.1	506.7	494.3	12.42	40.812	
3,800.0	3,787.5	3,774.4	3,772.3	9.4	5.3	90.12	-468.4	243.2	506.8	494.4	12.47	40.632	
3,825.0	3,812.2	3,799.0	3,796.8	9.5	5.3	90.49	-468.5	243.4	507.0	494.4	12.53	40.455	
3,850.0	3,837.0	3,824.0	3,821.8	9.6	5.3	90.87	-468.6	243.5	507.1	494.5	12.59	40.277	
3,875.0	3,861.7	3,849.0	3,846.9	9.7	5.3	91.25	-468.7	243.6	507.3	494.6	12.65	40.100	
3,900.0	3,886.5	3,874.0	3,871.9	9.8	5.4	91.63	-468.8	243.7	507.5	494.8	12.71	39.925	
3,925.0	3,911.2	3,899.0	3,896.9	9.9	5.4	92.01	-468.9	243.9	507.6	494.9	12.77	39.750	
3,950.0	3,936.0	3,923.7	3,921.6	10.0	5.4	92.39	-468.9	244.0	507.9	495.0	12.83	39.577	
3,975.0	3,960.8	3,948.4	3,946.3	10.1	5.5	92.77	-469.0	244.1	508.1	495.2	12.89	39.405	
4,000.0	3,985.5	3,973.1	3,971.0	10.2	5.5	93.14	-469.1	244.1	508.3	495.4	12.96	39.236	
4,025.0	4,010.3	3,997.8	3,995.7	10.3	5.5	93.52	-469.1	244.2	508.6	495.6	13.02	39.069	
4,050.0	4,035.0	4,022.1	4,020.0	10.4	5.5	93.90	-469.2	244.3	508.9	495.9	13.08	38.900	
4,075.0	4,059.8	4,046.3	4,044.2	10.5	5.6	94.27	-469.3	244.3	509.3	496.2	13.15	38.733	
4,100.0	4,084.5	4,070.6	4,068.4	10.6	5.6	94.64	-469.5	244.4	509.7	496.5	13.21	38.571	
4,125.0	4,109.3	4,094.8	4,092.7	10.7	5.6	95.01	-469.6	244.4	510.2	496.9	13.28	38.412	
4,150.0	4,134.1	4,119.3	4,117.2	10.8	5.6	95.39	-469.8	244.5	510.7	497.3	13.35	38.252	
4,175.0	4,158.8	4,143.9	4,141.8	10.9	5.7	95.77	-470.0	244.5	511.2	497.8	13.42	38.093	
4,200.0	4,183.6	4,168.5	4,166.4	11.0	5.7	96.15	-470.2	244.5	511.8	498.3	13.49	37.935	
4,225.0	4,208.3	4,193.1	4,191.0	11.1	5.7	96.53	-470.4	244.5	512.4	498.8	13.56	37.780	
4,250.0	4,233.1	4,217.8	4,215.7	11.2	5.7	96.91	-470.6	244.6	513.0	499.4	13.63	37.625	
4,275.0	4,257.8	4,242.6	4,240.4	11.3	5.7	97.29	-470.8	244.6	513.7	499.9	13.71	37.472	
4,300.0	4,282.6	4,267.4	4,265.2	11.4	5.8	97.67	-471.0	244.6	514.3	500.5	13.78	37.319	
4,325.0	4,307.4	4,292.1	4,290.0	11.5	5.8	98.04	-471.2	244.6	515.0	501.2	13.85	37.199	
4,350.0	4,332.1	4,316.7	4,314.5	11.6	5.8	98.41	-471.4	244.7	515.7	501.8	13.91	37.080	
4,365.6	4,347.6	4,332.0	4,329.8	11.6	5.8	98.65	-471.6	244.7	516.2	502.3	13.95	37.006	
4,375.0	4,356.9	4,341.2	4,339.0	11.7	5.8	98.79	-471.7	244.7	516.5	502.5	13.97	36.970	
4,400.0	4,381.6	4,365.7	4,363.5	11.7	5.9	99.16	-471.9	244.7	517.3	503.2	14.03	36.873	
4,425.0	4,406.4	4,390.2	4,388.0	11.8	5.9	99.52	-472.2	244.7	518.1	504.0	14.10	36.731	
4,450.0	4,431.2	4,414.9	4,412.8	11.9	5.9	99.87	-472.4	244.6	518.9	504.7	14.18	36.588	
4,475.0	4,456.0	4,439.9	4,437.7	12.0	5.9	100.21	-472.7	244.6	519.7	505.4	14.26	36.445	
4,500.0	4,480.9	4,464.9	4,462.7	12.1	5.9	100.53	-472.9	244.6	520.5	506.1	14.34	36.301	
4,525.0	4,505.7	4,489.9	4,487.7	12.2	6.0	100.84	-473.2	244.6	521.2	506.8	14.41	36.163	
4,550.0	4,530.5	4,514.9	4,512.7	12.3	6.0	101.14	-473.4	244.6	522.0	507.5	14.49	36.025	
4,575.0	4,555.4	4,539.9	4,537.7	12.4	6.0	101.43	-473.6	244.7	522.7	508.2	14.57	35.887	
4,600.0	4,580.3	4,564.9	4,562.7	12.5	6.0	101.70	-473.9	244.7	523.5	508.8	14.64	35.749	
4,625.0	4,605.2	4,589.9	4,587.8	12.6	6.1	101.96	-474.1	244.8	524.2	509.5	14.72	35.616	
4,650.0	4,630.1	4,614.9	4,612.8	12.7	6.1	102.20	-474.3	244.8	524.9	510.1	14.79	35.485	
4,675.0	4,655.0	4,639.9	4,637.7	12.8	6.1	102.43	-474.5	244.9	525.5	510.7	14.86	35.357	
4,700.0	4,679.9	4,664.9	4,662.7	12.9	6.1	102.64	-474.7	245.1	526.2	511.3	14.94	35.229	
4,725.0	4,704.8	4,689.9	4,687.7	13.0	6.2	102.83	-474.9	245.2	526.8	511.8	15.01	35.106	
4,750.0	4,729.7	4,714.6	4,712.4	13.1	6.2	103.01	-475.2	245.4	527.4	512.4	15.08	34.986	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
4,775.0	4,754.7	4,739.0	4,736.8	13.2	6.2	103.18	-475.4	245.6	528.1	512.9	15.14	34.869	
4,800.0	4,779.6	4,763.4	4,761.2	13.3	6.2	103.33	-475.7	245.7	528.7	513.5	15.21	34.754	
4,825.0	4,804.6	4,787.9	4,785.7	13.4	6.3	103.48	-475.9	245.9	529.3	514.0	15.28	34.647	
4,850.0	4,829.5	4,812.2	4,810.0	13.4	6.3	103.61	-476.2	246.0	529.9	514.6	15.34	34.540	
4,875.0	4,854.5	4,836.5	4,834.3	13.5	6.3	103.74	-476.6	246.1	530.6	515.2	15.41	34.434	
4,900.0	4,879.5	4,860.8	4,858.7	13.6	6.4	103.84	-476.9	246.3	531.2	515.7	15.47	34.332	
4,925.0	4,904.4	4,885.1	4,883.0	13.7	6.4	103.94	-477.3	246.5	531.9	516.3	15.53	34.237	
4,950.0	4,929.4	4,909.7	4,907.5	13.8	6.4	104.02	-477.8	246.6	532.5	516.9	15.60	34.144	
4,975.0	4,954.4	4,934.7	4,932.5	13.9	6.4	104.09	-478.2	246.8	533.1	517.5	15.66	34.049	
5,000.0	4,979.4	4,959.6	4,957.4	13.9	6.5	104.16	-478.7	247.0	533.8	518.0	15.72	33.954	
5,025.0	5,004.4	4,984.6	4,982.4	14.0	6.5	104.21	-479.1	247.1	534.3	518.6	15.78	33.866	
5,050.0	5,029.4	5,009.6	5,007.3	14.1	6.5	104.25	-479.5	247.3	534.9	519.1	15.84	33.778	
5,075.0	5,054.4	5,034.6	5,032.4	14.1	6.5	104.28	-480.0	247.4	535.4	519.5	15.89	33.689	
5,100.0	5,079.4	5,059.6	5,057.4	14.2	6.6	104.31	-480.4	247.5	535.9	520.0	15.95	33.599	
5,125.0	5,104.4	5,084.6	5,082.4	14.2	6.6	104.32	-480.9	247.6	536.4	520.4	15.99	33.546	
5,150.0	5,129.4	5,109.7	5,107.5	14.3	6.6	104.33	-481.3	247.6	536.9	520.8	16.03	33.492	
5,165.6	5,145.0	5,125.6	5,123.3	14.3	6.6	-171.80	-481.6	247.6	537.1	521.1	16.05	33.457	
5,175.0	5,154.4	5,135.0	5,132.8	14.3	6.6	-171.81	-481.7	247.7	537.3	521.2	16.06	33.445	
5,200.0	5,179.4	5,160.4	5,158.1	14.3	6.7	-171.82	-482.1	247.7	537.7	521.6	16.09	33.414	
5,225.0	5,204.4	5,185.7	5,183.4	14.3	6.7	-171.83	-482.5	247.8	538.0	521.9	16.13	33.347	
5,250.0	5,229.4	5,210.8	5,208.6	14.3	6.7	-171.85	-482.9	247.9	538.4	522.2	16.18	33.281	
5,275.0	5,254.4	5,235.8	5,233.5	14.3	6.7	-171.86	-483.3	247.9	538.8	522.5	16.22	33.216	
5,300.0	5,279.4	5,260.7	5,258.4	14.4	6.8	-171.88	-483.7	248.0	539.1	522.9	16.26	33.153	
5,325.0	5,304.4	5,285.6	5,283.4	14.4	6.8	-171.90	-484.0	248.2	539.5	523.2	16.30	33.089	
5,350.0	5,329.4	5,310.4	5,308.2	14.4	6.8	-171.92	-484.4	248.3	539.9	523.5	16.35	33.027	
5,375.0	5,354.4	5,335.0	5,332.8	14.4	6.9	-171.94	-484.8	248.4	540.3	523.9	16.39	32.967	
5,400.0	5,379.4	5,359.6	5,357.4	14.4	6.9	-171.95	-485.3	248.5	540.7	524.2	16.43	32.908	
5,425.0	5,404.4	5,384.2	5,382.0	14.4	6.9	-171.97	-485.7	248.7	541.1	524.6	16.47	32.851	
5,450.0	5,429.4	5,409.0	5,406.8	14.4	6.9	-171.99	-486.2	248.8	541.5	525.0	16.51	32.793	
5,475.0	5,454.4	5,434.1	5,431.8	14.5	7.0	-172.01	-486.6	248.9	542.0	525.4	16.56	32.735	
5,500.0	5,479.4	5,459.2	5,456.9	14.5	7.0	-172.03	-487.1	249.0	542.4	525.8	16.60	32.676	
5,525.0	5,504.4	5,484.3	5,482.0	14.5	7.0	-172.05	-487.5	249.1	542.8	526.2	16.64	32.618	
5,550.0	5,529.4	5,509.1	5,506.8	14.5	7.0	-172.07	-488.0	249.3	543.3	526.6	16.68	32.561	
5,575.0	5,554.4	5,533.4	5,531.1	14.5	7.1	-172.09	-488.4	249.4	543.7	527.0	16.73	32.507	
5,600.0	5,579.4	5,557.7	5,555.4	14.5	7.1	-172.11	-488.9	249.5	544.2	527.4	16.77	32.455	
5,625.0	5,604.4	5,582.0	5,579.7	14.5	7.1	-172.12	-489.5	249.6	544.7	527.9	16.81	32.405	
5,650.0	5,629.4	5,606.5	5,604.2	14.6	7.2	-172.14	-490.0	249.7	545.3	528.4	16.85	32.355	
5,675.0	5,654.4	5,631.7	5,629.4	14.6	7.2	-172.16	-490.6	249.7	545.8	528.9	16.90	32.303	
5,700.0	5,679.4	5,656.9	5,654.6	14.6	7.2	-172.17	-491.2	249.8	546.4	529.4	16.94	32.251	
5,725.0	5,704.4	5,682.0	5,679.7	14.6	7.2	-172.18	-491.7	249.8	546.9	529.9	16.99	32.198	
5,750.0	5,729.4	5,707.1	5,704.8	14.6	7.3	-172.20	-492.2	249.9	547.4	530.4	17.03	32.144	
5,775.0	5,754.4	5,732.1	5,729.7	14.6	7.3	-172.21	-492.8	249.9	548.0	530.9	17.07	32.092	
5,800.0	5,779.4	5,757.0	5,754.6	14.6	7.3	-172.22	-493.3	250.0	548.5	531.4	17.12	32.040	
5,825.0	5,804.4	5,781.9	5,779.5	14.6	7.3	-172.23	-493.9	250.0	549.0	531.9	17.16	31.988	
5,850.0	5,829.4	5,806.9	5,804.5	14.7	7.4	-172.24	-494.4	250.0	549.6	532.4	17.21	31.937	
5,875.0	5,854.4	5,832.2	5,829.8	14.7	7.4	-172.26	-495.0	250.1	550.1	532.9	17.25	31.884	
5,900.0	5,879.4	5,857.4	5,855.1	14.7	7.4	-172.27	-495.5	250.1	550.6	533.3	17.30	31.831	
5,925.0	5,904.4	5,882.7	5,880.3	14.7	7.4	-172.28	-496.0	250.2	551.1	533.8	17.34	31.778	
5,950.0	5,929.4	5,908.0	5,905.6	14.7	7.5	-172.30	-496.5	250.3	551.6	534.2	17.39	31.724	
5,975.0	5,954.4	5,933.2	5,930.9	14.7	7.5	-172.32	-497.0	250.4	552.1	534.7	17.43	31.669	
6,000.0	5,979.4	5,958.5	5,956.1	14.7	7.5	-172.33	-497.5	250.5	552.6	535.1	17.48	31.615	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,025.0	6,004.4	5,983.7	5,981.3	14.8	7.6	-172.34	-498.0	250.5	553.0	535.5	17.52	31.559	
6,050.0	6,029.4	6,008.7	6,006.3	14.8	7.6	-172.36	-498.5	250.6	553.5	535.9	17.57	31.504	
6,075.0	6,054.4	6,033.3	6,030.9	14.8	7.6	-172.37	-498.9	250.7	553.9	536.3	17.61	31.452	
6,100.0	6,079.4	6,057.8	6,055.4	14.8	7.6	-172.38	-499.4	250.7	554.4	536.8	17.66	31.400	
6,125.0	6,104.4	6,082.3	6,079.9	14.8	7.7	-172.40	-499.9	250.8	554.9	537.2	17.70	31.351	
6,150.0	6,129.4	6,106.9	6,104.5	14.8	7.7	-172.41	-500.5	250.8	555.5	537.7	17.75	31.302	
6,175.0	6,154.4	6,131.9	6,129.4	14.8	7.7	-172.42	-501.0	250.9	556.0	538.2	17.79	31.253	
6,200.0	6,179.4	6,156.8	6,154.4	14.9	7.7	-172.44	-501.6	251.0	556.5	538.7	17.84	31.204	
6,225.0	6,204.4	6,181.7	6,179.3	14.9	7.8	-172.45	-502.1	251.0	557.1	539.2	17.88	31.156	
6,250.0	6,229.4	6,206.8	6,204.4	14.9	7.8	-172.47	-502.7	251.1	557.6	539.7	17.93	31.107	
6,275.0	6,254.4	6,232.3	6,229.9	14.9	7.8	-172.49	-503.2	251.2	558.1	540.2	17.97	31.057	
6,300.0	6,279.4	6,257.9	6,255.4	14.9	7.9	-172.50	-503.8	251.3	558.6	540.6	18.02	31.005	
6,325.0	6,304.4	6,283.4	6,280.9	14.9	7.9	-172.52	-504.3	251.4	559.1	541.1	18.06	30.952	
6,350.0	6,329.4	6,308.6	6,306.2	14.9	7.9	-172.53	-504.7	251.5	559.6	541.5	18.11	30.899	
6,375.0	6,354.4	6,333.3	6,330.8	15.0	7.9	-172.55	-505.2	251.6	560.0	541.9	18.15	30.849	
6,400.0	6,379.4	6,357.9	6,355.4	15.0	8.0	-172.56	-505.7	251.7	560.5	542.3	18.20	30.799	
6,425.0	6,404.4	6,382.6	6,380.1	15.0	8.0	-172.58	-506.2	251.7	561.0	542.8	18.24	30.750	
6,450.0	6,429.4	6,407.7	6,405.2	15.0	8.0	-172.59	-506.7	251.8	561.5	543.2	18.29	30.702	
6,475.0	6,454.4	6,433.9	6,431.4	15.0	8.0	-172.60	-507.2	251.8	562.0	543.7	18.34	30.649	
6,500.0	6,479.4	6,460.1	6,457.6	15.0	8.1	-172.59	-507.7	251.7	562.4	544.0	18.38	30.593	
6,525.0	6,504.4	6,486.4	6,483.9	15.0	8.1	-172.58	-508.0	251.5	562.8	544.3	18.43	30.534	
6,550.0	6,529.4	6,515.5	6,513.0	15.1	8.1	-172.55	-508.3	251.2	563.0	544.6	18.48	30.469	
6,575.0	6,554.4	6,543.0	6,540.5	15.1	8.1	-172.51	-508.3	250.8	563.1	544.6	18.52	30.407	
6,600.0	6,579.4	6,565.0	6,562.5	15.1	8.1	-172.47	-508.3	250.4	563.2	544.6	18.55	30.367	
6,625.0	6,604.4	6,575.5	6,573.0	15.1	8.1	-172.45	-508.5	250.1	563.7	545.1	18.57	30.355 SF	
6,650.0	6,629.4	6,586.1	6,583.6	15.1	8.1	-172.43	-508.9	249.9	564.8	546.2	18.60	30.372	
6,675.0	6,654.4	6,596.0	6,593.4	15.1	8.2	-172.41	-509.6	249.6	566.6	548.0	18.63	30.420	
6,700.0	6,679.4	6,606.4	6,603.8	15.1	8.2	-172.39	-510.6	249.3	569.0	550.3	18.66	30.487	
6,725.0	6,704.4	6,616.1	6,613.4	15.2	8.2	-172.37	-511.7	249.0	572.1	553.4	18.70	30.585	
6,750.0	6,729.4	6,627.0	6,624.2	15.2	8.2	-172.35	-513.3	248.6	575.8	557.1	18.75	30.710	
6,775.0	6,754.4	6,627.0	6,624.2	15.2	8.2	-172.35	-513.3	248.6	580.3	561.6	18.79	30.887	
6,800.0	6,779.4	6,645.3	6,642.2	15.2	8.2	-172.32	-516.7	247.8	585.2	566.3	18.85	31.051	
6,825.0	6,804.4	6,658.0	6,654.5	15.2	8.2	-172.29	-519.5	247.1	590.8	571.9	18.90	31.253	
6,850.0	6,829.4	6,658.0	6,654.5	15.2	8.2	-172.29	-519.5	247.1	597.1	578.1	18.96	31.495	
6,875.0	6,854.4	6,674.4	6,670.3	15.2	8.2	-172.24	-523.8	246.0	603.8	584.8	19.02	31.741	
6,900.0	6,879.4	6,689.0	6,684.2	15.3	8.3	-172.18	-528.0	244.8	611.2	592.1	19.09	32.024	
6,925.0	6,904.4	6,689.0	6,684.2	15.3	8.3	-172.18	-528.0	244.8	619.1	600.0	19.15	32.322	
6,950.0	6,929.4	6,703.0	6,697.5	15.3	8.3	-172.12	-532.6	243.5	627.5	608.3	19.22	32.644	
6,975.0	6,954.4	6,720.0	6,713.2	15.3	8.3	-172.04	-538.6	241.9	636.6	617.3	19.29	33.002	
7,000.0	6,979.4	6,720.0	6,713.2	15.3	8.3	-172.04	-538.6	241.9	646.0	626.6	19.37	33.350	
7,025.0	7,004.4	6,731.3	6,723.6	15.3	8.3	-171.99	-543.0	240.8	656.0	636.5	19.45	33.734	
7,050.0	7,029.4	6,740.7	6,732.2	15.3	8.3	-171.95	-546.8	239.8	666.4	646.9	19.52	34.135	
7,075.0	7,054.4	6,751.0	6,741.4	15.4	8.3	-171.91	-551.2	238.7	677.3	657.7	19.60	34.554	
7,100.0	7,079.4	6,751.0	6,741.4	15.4	8.3	-171.91	-551.2	238.7	688.7	669.0	19.70	34.970	
7,125.0	7,104.4	6,767.8	6,756.3	15.4	8.4	-171.85	-558.8	237.0	700.4	680.6	19.77	35.426	
7,150.0	7,129.4	6,783.0	6,769.5	15.4	8.4	-171.82	-566.2	235.6	712.6	692.8	19.85	35.906	
7,175.0	7,154.4	6,783.0	6,769.5	15.4	8.4	-171.82	-566.2	235.6	725.1	705.2	19.95	36.354	
7,200.0	7,179.4	6,794.1	6,779.0	15.4	8.4	-171.81	-571.8	234.7	738.0	718.0	20.03	36.850	
7,225.0	7,204.4	6,802.9	6,786.4	15.4	8.4	-171.81	-576.4	234.0	751.3	731.2	20.12	37.351	
7,250.0	7,229.4	6,814.0	6,795.7	15.5	8.4	-171.82	-582.5	233.3	765.0	744.8	20.20	37.873	
7,275.0	7,254.4	6,814.0	6,795.7	15.5	8.4	-171.82	-582.5	233.3	779.0	758.7	20.30	38.368	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,300.0	7,279.4	6,827.9	6,807.2	15.5	8.5	-171.85	-590.4	232.5	793.3	772.9	20.38	38.915	
7,325.0	7,304.4	6,845.0	6,820.9	15.5	8.5	-171.91	-600.4	231.8	808.0	787.6	20.46	39.494	
7,350.0	7,329.4	6,845.0	6,820.9	15.5	8.5	-171.91	-600.4	231.8	822.8	802.3	20.57	40.008	
7,375.0	7,354.4	6,845.0	6,820.9	15.5	8.5	-171.91	-600.4	231.8	838.1	817.5	20.67	40.539	
7,400.0	7,379.4	6,860.3	6,833.0	15.6	8.6	-172.00	-609.9	231.5	853.6	832.8	20.75	41.130	
7,425.0	7,404.4	6,876.0	6,845.0	15.6	8.6	-172.13	-619.9	231.6	869.4	848.6	20.83	41.738	
7,450.0	7,429.4	6,876.0	6,845.0	15.6	8.6	-172.13	-619.9	231.6	885.3	864.4	20.94	42.283	
7,475.0	7,454.4	6,876.0	6,845.0	15.6	8.6	-172.13	-619.9	231.6	901.6	880.6	21.05	42.841	
7,500.0	7,479.4	6,889.9	6,855.5	15.6	8.6	-172.27	-629.1	232.0	918.1	896.9	21.13	43.446	
7,525.0	7,504.4	6,896.5	6,860.3	15.6	8.6	-172.34	-633.6	232.3	934.8	913.6	21.23	44.036	
7,550.0	7,529.4	6,908.0	6,868.6	15.6	8.7	-172.47	-641.5	232.8	951.9	930.6	21.32	44.651	
7,575.0	7,554.4	6,908.0	6,868.6	15.7	8.7	-172.47	-641.5	232.8	969.1	947.6	21.43	45.228	
7,600.0	7,579.4	6,908.0	6,868.6	15.7	8.7	-172.47	-641.5	232.8	986.6	965.0	21.53	45.815	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-31.27	562.8	-341.8	658.6				
25.0	25.0	14.5	14.5	0.5	3.0	-31.27	562.8	-341.8	658.5				
50.0	50.0	40.3	40.3	0.5	3.0	-31.28	562.7	-341.9	658.4	653.7	4.73	139.344	
75.0	75.0	66.2	66.2	0.5	3.0	-31.30	562.5	-342.0	658.4	653.6	4.73	139.329	
100.0	100.0	92.0	92.0	0.5	3.0	-31.33	562.3	-342.2	658.3	653.5	4.73	139.306	
125.0	125.0	116.0	116.0	0.6	3.0	-31.36	562.0	-342.5	658.2	653.4	4.76	138.300	
150.0	150.0	140.1	140.1	0.8	3.0	-31.40	561.7	-342.8	658.1	653.3	4.80	137.114	
175.0	175.0	165.7	165.6	0.9	3.0	-31.44	561.4	-343.2	658.1	653.2	4.85	135.756	
200.0	200.0	192.4	192.4	1.0	3.0	-31.49	561.0	-343.7	658.0	653.1	4.90	134.231	
225.0	225.0	218.9	218.9	1.1	3.0	-31.54	560.6	-344.1	657.8	652.9	4.94	133.116	
250.0	250.0	244.0	243.9	1.2	3.0	-31.59	560.2	-344.4	657.6	652.6	4.98	131.936	
275.0	275.0	268.4	268.3	1.3	3.0	-31.62	559.8	-344.7	657.4	652.4	5.03	130.707	
300.0	300.0	294.7	294.7	1.4	3.0	-31.65	559.5	-344.8	657.3	652.2	5.08	129.428	
325.0	325.0	321.1	321.1	1.4	3.0	-31.67	559.1	-345.0	657.0	651.9	5.12	128.323	
350.0	350.0	350.0	349.9	1.5	3.0	-31.71	558.6	-345.1	656.7	651.5	5.16	127.168	
375.0	375.0	375.0	374.9	1.6	3.0	-31.73	558.1	-345.1	656.3	651.0	5.21	125.973	
400.0	400.0	398.1	398.0	1.6	3.0	-31.75	557.7	-345.1	655.9	650.6	5.26	124.766	
425.0	425.0	421.9	421.8	1.7	3.0	-31.77	557.3	-345.1	655.6	650.3	5.30	123.692	
450.0	450.0	446.7	446.6	1.8	3.0	-31.80	556.9	-345.2	655.3	649.9	5.34	122.612	
475.0	475.0	472.2	472.1	1.8	3.0	-31.83	556.4	-345.4	655.0	649.6	5.39	121.523	
500.0	500.0	497.3	497.3	1.9	3.1	-31.87	555.9	-345.6	654.7	649.2	5.44	120.423	
525.0	525.0	518.9	518.8	1.9	3.1	-31.90	555.6	-345.8	654.4	648.9	5.48	119.435	
550.0	550.0	542.5	542.4	2.0	3.1	-31.94	555.2	-346.1	654.3	648.7	5.52	118.471	
575.0	575.0	567.2	567.1	2.1	3.1	-31.99	554.8	-346.5	654.1	648.6	5.57	117.509	
600.0	600.0	591.6	591.5	2.1	3.1	-32.03	554.4	-346.9	654.0	648.4	5.61	116.550	
622.4	622.4	611.5	611.4	2.2	3.1	-32.06	554.2	-347.2	654.0	648.3	5.65	115.765	
625.0	625.0	613.7	613.6	2.2	3.1	-32.07	554.2	-347.2	654.0	648.3	5.65	115.677	
650.0	650.0	636.3	636.2	2.2	3.1	-32.11	554.0	-347.6	654.0	648.4	5.70	114.836	
675.0	675.0	661.7	661.6	2.3	3.1	-32.15	553.8	-348.1	654.2	648.4	5.74	113.998	
700.0	700.0	687.4	687.3	2.3	3.1	-32.20	553.6	-348.7	654.2	648.4	5.78	113.150	
725.0	725.0	713.2	713.1	2.4	3.1	-32.26	553.3	-349.2	654.3	648.5	5.82	112.347	
750.0	750.0	736.7	736.5	2.4	3.1	-32.30	553.1	-349.6	654.3	648.5	5.87	111.548	
775.0	775.0	759.3	759.1	2.5	3.1	-32.35	552.9	-350.2	654.5	648.6	5.91	110.776	
800.0	800.0	784.9	784.7	2.5	3.1	-32.42	552.6	-351.0	654.7	648.7	5.95	110.004	
825.0	825.0	810.5	810.3	2.6	3.1	-32.50	552.3	-351.8	654.8	648.8	5.99	109.266	
850.0	850.0	834.0	833.9	2.6	3.1	-32.56	552.0	-352.5	655.0	648.9	6.03	108.535	
875.0	875.0	856.4	856.2	2.6	3.2	-32.63	551.8	-353.3	655.2	649.1	6.08	107.831	
900.0	900.0	882.2	881.9	2.7	3.2	-32.72	551.4	-354.4	655.5	649.4	6.12	107.126	
925.0	925.0	908.7	908.4	2.7	3.2	-32.82	551.0	-355.4	655.7	649.6	6.16	106.438	
950.0	950.0	936.6	936.3	2.8	3.2	-32.92	550.6	-356.5	655.9	649.7	6.20	105.746	
975.0	975.0	980.0	979.7	2.8	3.2	-33.04	549.5	-357.5	655.7	649.5	6.25	104.953	
1,000.0	1,000.0	1,006.8	1,006.5	2.9	3.2	-33.10	548.6	-357.6	655.1	648.8	6.29	104.110	
1,025.0	1,025.0	1,032.3	1,032.0	2.9	3.2	-33.14	547.8	-357.7	654.5	648.1	6.34	103.287	
1,050.0	1,050.0	1,056.6	1,056.3	3.0	3.2	-33.18	547.0	-357.7	653.8	647.4	6.38	102.468	
1,075.0	1,075.0	1,079.5	1,079.2	3.0	3.2	-33.22	546.3	-357.7	653.2	646.7	6.42	101.666	
1,100.0	1,100.0	1,104.2	1,103.8	3.0	3.3	-33.26	545.5	-357.8	652.6	646.1	6.47	100.876	
1,125.0	1,125.0	1,131.7	1,131.4	3.1	3.3	-33.32	544.6	-358.0	652.0	645.4	6.51	100.099	
1,150.0	1,150.0	1,157.2	1,156.8	3.1	3.3	-33.37	543.7	-358.1	651.3	644.7	6.56	99.320	
1,175.0	1,175.0	1,181.3	1,180.9	3.2	3.3	-33.41	542.9	-358.1	650.6	644.0	6.60	98.549	
1,200.0	1,200.0	1,205.1	1,204.7	3.2	3.3	-33.46	542.1	-358.3	650.0	643.3	6.65	97.794	
1,225.0	1,225.0	1,229.6	1,229.2	3.2	3.3	-33.50	541.3	-358.4	649.4	642.7	6.69	97.058	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
1,250.0	1,250.0	1,250.0	1,249.6	3.3	3.3	-33.53	540.9	-358.4	648.9	642.2	6.73	96.358	
1,275.0	1,275.0	1,267.0	1,266.5	3.3	3.3	-33.54	540.7	-358.4	648.7	641.9	6.78	95.727	
1,285.6	1,285.6	1,275.0	1,274.6	3.3	3.3	-33.54	540.7	-358.4	648.7	641.9	6.79	95.472	
1,300.0	1,300.0	1,288.4	1,287.9	3.4	3.3	-33.53	540.7	-358.3	648.7	641.9	6.82	95.143	
1,325.0	1,325.0	1,312.7	1,312.3	3.4	3.3	-33.53	540.8	-358.3	648.8	641.9	6.86	94.606	
1,350.0	1,350.0	1,338.9	1,338.5	3.4	3.3	-33.53	540.9	-358.4	648.8	641.9	6.90	94.058	
1,375.0	1,375.0	1,363.9	1,363.5	3.5	3.3	-33.53	540.9	-358.3	648.8	641.9	6.94	93.484	
1,400.0	1,400.0	1,389.3	1,388.9	3.5	3.3	-33.52	540.9	-358.3	648.8	641.9	6.98	92.914	
1,425.0	1,425.0	1,415.0	1,414.6	3.6	3.3	-33.52	540.9	-358.3	648.8	641.8	7.03	92.348	
1,450.0	1,450.0	1,440.4	1,440.0	3.6	3.4	-33.53	540.8	-358.4	648.8	641.7	7.07	91.784	
1,475.0	1,475.0	1,466.4	1,466.0	3.6	3.4	-33.54	540.7	-358.5	648.7	641.6	7.11	91.212	
1,500.0	1,500.0	1,490.9	1,490.5	3.7	3.4	-33.55	540.6	-358.5	648.7	641.5	7.16	90.634	
1,525.0	1,525.0	1,515.1	1,514.7	3.7	3.4	-33.55	540.6	-358.4	648.6	641.4	7.20	90.080	
1,550.0	1,550.0	1,542.0	1,541.6	3.8	3.4	-33.51	540.8	-358.1	648.6	641.3	7.24	89.533	
1,575.0	1,575.0	1,570.5	1,570.0	3.8	3.4	-33.44	541.1	-357.3	648.4	641.1	7.29	88.968	
1,600.0	1,600.0	1,596.3	1,595.8	3.8	3.4	-33.36	541.3	-356.4	648.2	640.8	7.33	88.398	
1,625.0	1,625.0	1,620.1	1,619.6	3.9	3.4	-33.29	541.6	-355.6	647.9	640.5	7.38	87.849	
1,650.0	1,650.0	1,644.4	1,643.9	3.9	3.4	-33.21	541.9	-354.7	647.7	640.3	7.42	87.311	
1,675.0	1,675.0	1,668.4	1,667.9	3.9	3.4	-33.13	542.3	-353.9	647.5	640.1	7.46	86.782	
1,700.0	1,700.0	1,695.1	1,694.6	4.0	3.4	-33.05	542.6	-353.0	647.4	639.9	7.51	86.251	
1,725.0	1,725.0	1,718.3	1,717.8	4.0	3.4	-32.98	542.9	-352.3	647.2	639.6	7.55	85.737	
1,750.0	1,750.0	1,742.4	1,741.8	4.1	3.4	-32.90	543.3	-351.5	647.1	639.5	7.59	85.237	
1,775.0	1,775.0	1,767.8	1,767.2	4.1	3.4	-32.83	543.6	-350.7	646.9	639.3	7.63	84.739	
1,800.0	1,800.0	1,794.6	1,794.0	4.1	3.4	-32.76	543.9	-350.0	646.8	639.1	7.68	84.233	
1,825.0	1,825.0	1,817.7	1,817.1	4.2	3.4	-32.70	544.1	-349.3	646.6	638.9	7.72	83.746	
1,850.0	1,850.0	1,843.1	1,842.5	4.2	3.4	-32.64	544.4	-348.7	646.5	638.8	7.76	83.266	
1,875.0	1,875.0	1,869.0	1,868.4	4.2	3.4	-32.59	544.6	-348.1	646.4	638.5	7.81	82.780	
1,900.0	1,900.0	1,893.1	1,892.5	4.3	3.4	-32.54	544.7	-347.6	646.2	638.3	7.85	82.303	
1,925.0	1,925.0	1,917.7	1,917.1	4.3	3.4	-32.49	544.9	-347.1	646.1	638.2	7.89	81.839	
1,950.0	1,950.0	1,947.3	1,946.7	4.3	3.4	-32.43	545.1	-346.4	645.9	638.0	7.94	81.355	
1,975.0	1,975.0	1,973.1	1,972.4	4.4	3.4	-32.37	545.2	-345.6	645.6	637.6	7.98	80.861	
2,000.0	2,000.0	2,003.4	2,002.7	4.4	3.4	-32.30	545.2	-344.6	645.1	637.1	8.03	80.341	
2,025.0	2,025.0	2,033.5	2,032.8	4.4	3.4	-87.21	545.2	-343.3	644.5	636.4	8.07	79.864	
2,050.0	2,050.0	2,065.8	2,065.0	4.5	3.4	-87.10	545.1	-341.3	643.7	635.5	8.11	79.358	
2,075.0	2,075.0	2,104.5	2,103.6	4.5	3.4	-86.88	545.0	-337.8	642.4	634.2	8.15	78.792	
2,100.0	2,100.0	2,132.9	2,131.8	4.5	3.4	-86.69	544.9	-334.5	640.7	632.5	8.19	78.199	
2,125.0	2,125.0	2,157.6	2,156.3	4.6	3.4	-86.53	544.8	-331.5	639.0	630.8	8.25	77.453	
2,150.0	2,150.0	2,181.1	2,179.6	4.6	3.4	-86.38	544.7	-328.7	637.4	629.1	8.31	76.725	
2,175.0	2,175.0	2,207.5	2,205.8	4.6	3.5	-86.22	544.7	-325.5	635.7	627.3	8.36	76.007	
2,200.0	2,200.0	2,235.7	2,233.8	4.7	3.5	-86.06	544.5	-322.0	634.0	625.5	8.42	75.287	
2,225.0	2,224.9	2,264.0	2,261.9	4.7	3.5	-85.88	544.4	-318.2	632.0	623.6	8.48	74.554	
2,250.0	2,249.9	2,290.8	2,288.4	4.8	3.5	-85.71	544.2	-314.4	630.0	621.5	8.53	73.823	
2,275.0	2,274.9	2,320.9	2,318.1	4.8	3.5	-85.53	544.0	-310.1	627.9	619.3	8.59	73.089	
2,300.0	2,299.9	2,349.7	2,346.7	4.9	3.5	-85.35	543.6	-305.6	625.6	616.9	8.65	72.343	
2,325.0	2,324.8	2,380.0	2,376.5	4.9	3.5	-85.15	543.1	-300.7	623.0	614.3	8.70	71.576	
2,350.0	2,349.8	2,405.9	2,402.0	4.9	3.5	-84.99	542.6	-296.3	620.4	611.6	8.76	70.809	
2,375.0	2,374.7	2,430.7	2,426.5	5.0	3.5	-84.84	542.1	-292.1	617.7	608.8	8.82	70.052	
2,400.0	2,399.7	2,454.1	2,449.5	5.0	3.6	-84.72	541.6	-288.1	615.0	606.1	8.87	69.311	
2,425.0	2,424.6	2,475.0	2,470.2	5.1	3.6	-84.65	541.1	-285.0	612.4	603.5	8.93	68.586	
2,450.0	2,449.5	2,498.6	2,493.6	5.1	3.6	-84.61	540.5	-281.7	609.9	601.0	8.98	67.886	
2,475.0	2,474.5	2,519.6	2,514.4	5.2	3.6	-84.60	539.9	-279.1	607.6	598.5	9.04	67.212	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,499.4	2,541.7	2,536.3	5.2	3.6	-84.60	539.4	-276.4	605.3	596.2	9.09	66.566	
2,525.0	2,524.3	2,563.6	2,558.1	5.3	3.6	-89.44	538.9	-273.8	603.3	594.1	9.17	65.813	
2,550.0	2,549.2	2,585.8	2,580.1	5.4	3.6	-93.83	538.5	-271.3	601.6	592.3	9.24	65.104	
2,575.0	2,574.0	2,608.5	2,602.7	5.4	3.6	-97.79	538.1	-268.8	600.1	590.8	9.31	64.437	
2,600.0	2,598.9	2,630.7	2,624.7	5.5	3.7	-101.34	537.8	-266.4	598.9	589.6	9.39	63.815	
2,625.0	2,623.7	2,652.3	2,646.2	5.5	3.7	-104.53	537.6	-264.2	598.1	588.6	9.45	63.307	
2,650.0	2,648.6	2,676.7	2,670.4	5.6	3.7	-107.39	537.5	-261.7	597.5	588.0	9.51	62.834	
2,675.0	2,673.4	2,702.7	2,696.4	5.7	3.7	-109.97	537.3	-259.0	597.1	587.5	9.57	62.383	
2,700.0	2,698.2	2,725.7	2,719.2	5.7	3.7	-112.30	537.2	-256.7	596.9	587.3	9.63	61.964	
2,717.0	2,715.0	2,744.0	2,737.4	5.7	3.7	-113.77	537.1	-254.9	596.9	587.2	9.65	61.866	
2,717.4	2,715.4	2,744.5	2,737.9	5.7	3.7	-113.80	537.1	-254.8	596.9	587.2	9.65	61.864	
2,725.0	2,722.9	2,752.3	2,745.7	5.7	3.7	-113.83	537.0	-254.0	596.9	587.2	9.66	61.761	
2,729.0	2,726.9	2,756.1	2,749.5	5.8	3.7	-113.85	537.0	-253.6	596.9	587.2	9.67	61.707	
2,750.0	2,747.7	2,776.1	2,769.4	5.8	3.7	-113.93	536.9	-251.6	596.9	587.2	9.72	61.427	
2,775.0	2,772.4	2,802.7	2,795.8	5.9	3.7	-114.04	536.7	-248.9	596.9	587.1	9.77	61.093	
2,800.0	2,797.2	2,828.8	2,821.8	5.9	3.8	-114.15	536.5	-246.2	596.8	587.0	9.82	60.757	
2,825.0	2,822.0	2,856.0	2,848.8	6.0	3.8	-114.23	536.4	-243.1	596.7	586.8	9.88	60.397	
2,850.0	2,846.7	2,881.7	2,874.3	6.0	3.8	-114.28	536.3	-239.9	596.5	586.6	9.94	60.034	
2,875.0	2,871.5	2,905.6	2,898.0	6.1	3.8	-114.32	536.3	-236.9	596.4	586.4	9.99	59.677	
2,900.0	2,896.2	2,928.9	2,921.2	6.2	3.8	-114.36	536.4	-233.9	596.3	586.2	10.05	59.331	
2,925.0	2,921.0	2,953.2	2,945.3	6.3	3.8	-114.40	536.5	-230.9	596.2	586.1	10.11	58.984	
2,950.0	2,945.7	2,981.5	2,973.3	6.3	3.9	-114.44	536.5	-227.3	596.1	585.9	10.17	58.630	
2,975.0	2,970.5	3,006.6	2,998.2	6.4	3.9	-114.48	536.6	-224.1	595.9	585.7	10.23	58.275	
3,000.0	2,995.2	3,031.5	3,022.9	6.5	3.9	-114.51	536.6	-220.9	595.7	585.4	10.28	57.924	
3,025.0	3,020.0	3,056.5	3,047.7	6.6	3.9	-114.55	536.7	-217.6	595.5	585.2	10.35	57.568	
3,050.0	3,044.8	3,081.4	3,072.4	6.6	3.9	-114.58	536.7	-214.4	595.4	585.0	10.41	57.216	
3,075.0	3,069.5	3,106.2	3,097.0	6.7	3.9	-114.62	536.7	-211.2	595.2	584.7	10.47	56.868	
3,100.0	3,094.3	3,130.1	3,120.7	6.8	4.0	-114.66	536.7	-208.2	595.1	584.5	10.53	56.527	
3,125.0	3,119.0	3,156.1	3,146.5	6.9	4.0	-114.71	536.7	-204.9	594.9	584.3	10.59	56.181	
3,150.0	3,143.8	3,183.0	3,173.2	7.0	4.0	-114.76	536.6	-201.6	594.7	584.1	10.65	55.830	
3,175.0	3,168.5	3,210.8	3,200.8	7.1	4.0	-114.82	536.5	-198.1	594.4	583.7	10.72	55.473	
3,200.0	3,193.3	3,240.4	3,230.1	7.1	4.0	-114.89	536.1	-194.3	594.0	583.2	10.78	55.101	
3,225.0	3,218.1	3,268.3	3,257.8	7.2	4.1	-114.96	535.5	-190.7	593.3	582.5	10.84	54.711	
3,250.0	3,242.8	3,294.8	3,284.0	7.3	4.1	-115.03	534.9	-187.3	592.6	581.7	10.91	54.318	
3,275.0	3,267.6	3,320.2	3,309.2	7.4	4.1	-115.10	534.3	-184.0	591.9	580.9	10.98	53.924	
3,300.0	3,292.3	3,345.1	3,333.9	7.5	4.1	-115.16	533.7	-180.7	591.1	580.1	11.04	53.534	
3,325.0	3,317.1	3,368.8	3,357.4	7.6	4.1	-115.22	533.1	-177.5	590.4	579.3	11.11	53.147	
3,350.0	3,341.8	3,393.2	3,381.6	7.7	4.2	-115.28	532.6	-174.3	589.7	578.5	11.18	52.767	
3,375.0	3,366.6	3,419.8	3,407.9	7.8	4.2	-115.35	532.0	-170.9	589.0	577.8	11.24	52.387	
3,400.0	3,391.4	3,443.7	3,431.6	7.9	4.2	-115.41	531.4	-167.8	588.3	577.0	11.31	52.010	
3,425.0	3,416.1	3,467.5	3,455.2	8.0	4.2	-115.48	530.8	-164.8	587.6	576.2	11.38	51.638	
3,450.0	3,440.9	3,492.0	3,479.5	8.0	4.2	-115.56	530.3	-161.7	587.0	575.6	11.45	51.271	
3,475.0	3,465.6	3,515.4	3,502.8	8.1	4.3	-115.63	529.7	-158.9	586.4	574.9	11.52	50.911	
3,500.0	3,490.4	3,539.0	3,526.2	8.2	4.3	-115.71	529.3	-156.0	585.9	574.3	11.59	50.561	
3,525.0	3,515.1	3,563.1	3,550.1	8.3	4.3	-115.79	528.8	-153.1	585.4	573.8	11.66	50.215	
3,550.0	3,539.9	3,587.0	3,573.8	8.4	4.3	-115.88	528.3	-150.4	585.0	573.3	11.73	49.874	
3,575.0	3,564.7	3,612.6	3,599.2	8.5	4.3	-115.98	527.8	-147.4	584.6	572.8	11.80	49.537	
3,600.0	3,589.4	3,638.3	3,624.7	8.6	4.4	-116.07	527.3	-144.4	584.1	572.3	11.87	49.197	
3,625.0	3,614.2	3,662.4	3,648.7	8.7	4.4	-116.16	526.8	-141.6	583.7	571.7	11.95	48.861	
3,650.0	3,638.9	3,687.4	3,673.6	8.8	4.4	-116.25	526.3	-138.7	583.3	571.3	12.02	48.528	
3,675.0	3,663.7	3,712.7	3,698.6	8.9	4.4	-116.35	525.8	-135.8	582.8	570.8	12.09	48.196	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,700.0	3,688.4	3,737.1	3,722.8	9.0	4.4	-116.43	525.4	-133.0	582.4	570.3	12.17	47.869	
3,725.0	3,713.2	3,761.5	3,747.1	9.1	4.5	-116.52	524.9	-130.1	582.0	569.8	12.24	47.545	
3,750.0	3,737.9	3,785.2	3,770.7	9.2	4.5	-116.60	524.6	-127.4	581.7	569.4	12.32	47.228	
3,775.0	3,762.7	3,808.1	3,793.4	9.3	4.5	-116.68	524.2	-124.7	581.4	569.0	12.39	46.921	
3,800.0	3,787.5	3,831.6	3,816.8	9.4	4.5	-116.76	524.0	-122.0	581.2	568.7	12.47	46.625	
3,825.0	3,812.2	3,857.2	3,842.2	9.5	4.5	-116.84	523.8	-119.1	581.0	568.5	12.54	46.326	
3,850.0	3,837.0	3,881.9	3,866.7	9.6	4.6	-116.91	523.6	-116.2	580.8	568.2	12.62	46.032	
3,875.0	3,861.7	3,905.7	3,890.3	9.7	4.6	-116.98	523.5	-113.3	580.7	568.0	12.69	45.745	
3,900.0	3,886.5	3,930.5	3,914.9	9.8	4.6	-117.04	523.4	-110.4	580.6	567.8	12.77	45.463	
3,925.0	3,911.2	3,957.3	3,941.5	9.9	4.6	-117.12	523.2	-107.3	580.4	567.6	12.85	45.173	
3,950.0	3,936.0	3,982.8	3,966.9	10.0	4.7	-117.19	523.0	-104.2	580.2	567.3	12.93	44.884	
3,975.0	3,960.8	4,008.6	3,992.5	10.1	4.7	-117.26	522.8	-101.1	580.0	567.0	13.01	44.596	
4,000.0	3,985.5	4,034.6	4,018.2	10.2	4.7	-117.34	522.6	-98.0	579.7	566.6	13.08	44.305	
4,025.0	4,010.3	4,059.0	4,042.5	10.3	4.7	-117.41	522.3	-95.0	579.4	566.3	13.16	44.015	
4,050.0	4,035.0	4,082.3	4,065.7	10.4	4.7	-117.48	522.1	-92.3	579.2	565.9	13.24	43.735	
4,075.0	4,059.8	4,107.2	4,090.4	10.5	4.8	-117.56	521.8	-89.4	579.0	565.7	13.32	43.457	
4,100.0	4,084.5	4,132.8	4,115.8	10.6	4.8	-117.65	521.5	-86.6	578.8	565.4	13.41	43.177	
4,125.0	4,109.3	4,158.0	4,140.8	10.7	4.8	-117.75	521.2	-83.7	578.6	565.1	13.49	42.898	
4,150.0	4,134.1	4,183.1	4,165.8	10.8	4.8	-117.85	520.8	-80.9	578.4	564.8	13.57	42.619	
4,175.0	4,158.8	4,206.9	4,189.5	10.9	4.9	-117.94	520.5	-78.3	578.2	564.5	13.65	42.346	
4,200.0	4,183.6	4,229.9	4,212.3	11.0	4.9	-118.02	520.2	-75.8	578.0	564.3	13.74	42.083	
4,225.0	4,208.3	4,253.0	4,235.3	11.1	4.9	-118.12	520.0	-73.3	578.0	564.2	13.82	41.826	
4,226.1	4,209.4	4,254.0	4,236.3	11.1	4.9	-118.12	520.0	-73.2	578.0	564.2	13.82	41.815	
4,250.0	4,233.1	4,275.8	4,257.9	11.2	4.9	-118.22	519.8	-71.1	578.0	564.1	13.90	41.578	
4,275.0	4,257.8	4,303.4	4,285.4	11.3	5.0	-118.36	519.5	-68.4	578.1	564.1	13.99	41.317	
4,294.1	4,276.8	4,322.1	4,304.1	11.4	5.0	-118.45	519.2	-66.6	578.1	564.0	14.06	41.121	
4,300.0	4,282.6	4,327.7	4,309.6	11.4	5.0	-118.48	519.1	-66.0	578.1	564.0	14.08	41.062	
4,325.0	4,307.4	4,350.6	4,332.4	11.5	5.0	-118.60	518.8	-63.9	578.1	564.0	14.15	40.847	
4,350.0	4,332.1	4,375.8	4,357.5	11.6	5.0	-118.73	518.5	-61.5	578.2	564.0	14.23	40.632	
4,365.6	4,347.6	4,391.1	4,372.7	11.6	5.0	-118.81	518.3	-60.1	578.3	564.0	14.28	40.498	
4,375.0	4,356.9	4,400.3	4,381.9	11.7	5.0	-118.86	518.2	-59.3	578.3	564.0	14.31	40.426	
4,400.0	4,381.6	4,425.0	4,406.5	11.7	5.1	-118.99	517.9	-57.0	578.4	564.0	14.38	40.233	
4,425.0	4,406.4	4,449.0	4,430.4	11.8	5.1	-119.10	517.7	-54.8	578.5	564.0	14.46	39.994	
4,450.0	4,431.2	4,475.0	4,456.3	11.9	5.1	-119.21	517.4	-52.5	578.5	563.9	14.55	39.751	
4,475.0	4,456.0	4,499.2	4,480.4	12.0	5.1	-119.31	517.1	-50.3	578.4	563.8	14.64	39.511	
4,500.0	4,480.9	4,523.0	4,504.1	12.1	5.2	-119.40	516.8	-48.2	578.4	563.6	14.73	39.275	
4,525.0	4,505.7	4,550.2	4,531.2	12.2	5.2	-119.49	516.5	-45.8	578.2	563.4	14.81	39.035	
4,550.0	4,530.5	4,575.9	4,556.8	12.3	5.2	-119.56	516.1	-43.5	578.0	563.1	14.90	38.794	
4,575.0	4,555.4	4,600.0	4,580.8	12.4	5.2	-119.61	515.9	-41.2	577.7	562.7	14.98	38.559	
4,600.0	4,580.3	4,625.0	4,605.7	12.5	5.3	-119.66	515.5	-39.0	577.4	562.3	15.07	38.323	
4,625.0	4,605.2	4,648.7	4,629.2	12.6	5.3	-119.70	515.3	-36.8	577.0	561.9	15.15	38.098	
4,650.0	4,630.1	4,674.7	4,655.2	12.7	5.3	-119.73	515.0	-34.5	576.6	561.4	15.23	37.868	
4,675.0	4,655.0	4,698.0	4,678.3	12.8	5.3	-119.76	514.7	-32.5	576.2	560.9	15.31	37.644	
4,700.0	4,679.9	4,723.4	4,703.7	12.9	5.4	-119.78	514.4	-30.3	575.7	560.3	15.39	37.418	
4,725.0	4,704.8	4,748.6	4,728.7	13.0	5.4	-119.79	514.1	-28.1	575.2	559.7	15.46	37.198	
4,750.0	4,729.7	4,772.1	4,752.1	13.1	5.4	-119.78	513.9	-26.0	574.6	559.1	15.54	36.986	
4,775.0	4,754.7	4,796.5	4,776.5	13.2	5.4	-119.76	513.7	-23.9	574.0	558.4	15.61	36.776	
4,800.0	4,779.6	4,823.1	4,803.0	13.3	5.5	-119.74	513.4	-21.6	573.4	557.7	15.68	36.558	
4,825.0	4,804.6	4,854.0	4,833.7	13.4	5.5	-119.68	513.1	-18.7	572.5	556.8	15.76	36.332	
4,850.0	4,829.5	4,883.2	4,862.8	13.4	5.5	-119.59	512.6	-15.6	571.4	555.5	15.83	36.096	
4,875.0	4,854.5	4,908.1	4,887.6	13.5	5.6	-119.50	512.2	-12.9	570.1	554.2	15.89	35.868	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
4,900.0	4,879.5	4,933.4	4,912.6	13.6	5.6	-119.39	511.7	-10.1	568.7	552.8	15.96	35.639	
4,925.0	4,904.4	4,957.1	4,936.2	13.7	5.6	-119.28	511.3	-7.5	567.3	551.3	16.02	35.423	
4,950.0	4,929.4	4,981.4	4,960.4	13.8	5.6	-119.16	510.9	-4.9	566.0	549.9	16.07	35.210	
4,975.0	4,954.4	5,008.2	4,987.0	13.9	5.7	-119.03	510.4	-2.1	564.5	548.4	16.13	34.988	
5,000.0	4,979.4	5,033.4	5,012.1	13.9	5.7	-118.90	509.9	0.5	562.9	546.7	16.19	34.766	
5,025.0	5,004.4	5,058.0	5,036.5	14.0	5.7	-118.76	509.4	3.1	561.3	545.1	16.24	34.558	
5,050.0	5,029.4	5,082.3	5,060.7	14.1	5.7	-118.61	508.9	5.6	559.7	543.4	16.29	34.350	
5,075.0	5,054.4	5,107.0	5,085.3	14.1	5.8	-118.45	508.4	8.1	558.0	541.7	16.34	34.145	
5,100.0	5,079.4	5,131.6	5,109.7	14.2	5.8	-118.29	507.9	10.6	556.3	539.9	16.39	33.940	
5,125.0	5,104.4	5,155.4	5,133.4	14.2	5.8	-118.12	507.4	13.0	554.6	538.2	16.41	33.786	
5,150.0	5,129.4	5,180.0	5,157.9	14.3	5.8	-117.93	506.9	15.4	552.9	536.4	16.44	33.631	
5,165.6	5,145.0	5,196.6	5,174.4	14.3	5.9	-33.94	506.5	17.0	551.7	535.3	16.45	33.530	
5,175.0	5,154.4	5,206.0	5,183.8	14.3	5.9	-33.88	506.3	17.9	551.0	534.6	16.46	33.482	
5,200.0	5,179.4	5,229.9	5,207.5	14.3	5.9	-33.71	505.7	20.1	549.2	532.8	16.46	33.358	
5,225.0	5,204.4	5,252.1	5,229.6	14.3	5.9	-33.56	505.2	22.2	547.5	531.0	16.49	33.210	
5,250.0	5,229.4	5,275.8	5,253.2	14.3	5.9	-33.41	504.8	24.2	545.9	529.4	16.51	33.065	
5,275.0	5,254.4	5,301.9	5,279.3	14.3	6.0	-33.24	504.2	26.5	544.3	527.7	16.54	32.913	
5,300.0	5,279.4	5,327.5	5,304.7	14.4	6.0	-33.03	503.9	29.1	542.6	526.0	16.56	32.770	
5,325.0	5,304.4	5,353.1	5,330.1	14.4	6.0	-32.74	503.9	32.3	540.9	524.3	16.57	32.639	
5,350.0	5,329.4	5,377.3	5,354.1	14.4	6.0	-32.45	504.1	35.5	539.2	522.6	16.58	32.515	
5,375.0	5,354.4	5,402.9	5,379.5	14.4	6.1	-32.13	504.2	38.9	537.6	521.0	16.60	32.388	
5,400.0	5,379.4	5,426.8	5,403.2	14.4	6.1	-31.84	504.3	42.1	535.9	519.3	16.61	32.265	
5,425.0	5,404.4	5,451.8	5,428.0	14.4	6.1	-31.53	504.4	45.4	534.3	517.7	16.62	32.141	
5,450.0	5,429.4	5,477.4	5,453.4	14.4	6.2	-31.22	504.5	48.7	532.6	516.0	16.64	32.015	
5,475.0	5,454.4	5,500.9	5,476.7	14.5	6.2	-30.93	504.6	51.8	531.0	514.4	16.65	31.893	
5,500.0	5,479.4	5,524.1	5,499.6	14.5	6.2	-30.65	504.8	54.8	529.5	512.9	16.66	31.776	
5,525.0	5,504.4	5,548.5	5,523.8	14.5	6.2	-30.35	504.9	57.8	528.1	511.4	16.68	31.660	
5,550.0	5,529.4	5,574.0	5,549.1	14.5	6.3	-30.04	505.1	61.0	526.6	509.9	16.70	31.542	
5,575.0	5,554.4	5,611.5	5,586.3	14.5	6.3	-29.58	504.9	66.0	524.9	508.1	16.72	31.391	
5,600.0	5,579.4	5,641.3	5,615.8	14.5	6.3	-29.18	504.4	70.5	522.6	505.9	16.74	31.224	
5,625.0	5,604.4	5,666.9	5,641.1	14.5	6.4	-28.83	503.9	74.3	520.4	503.6	16.76	31.056	
5,650.0	5,629.4	5,691.6	5,665.5	14.6	6.4	-28.50	503.4	78.0	518.1	501.3	16.77	30.888	
5,675.0	5,654.4	5,715.7	5,689.3	14.6	6.4	-28.17	502.9	81.6	515.8	499.0	16.79	30.723	
5,700.0	5,679.4	5,740.5	5,713.8	14.6	6.4	-27.84	502.4	85.3	513.6	496.8	16.81	30.558	
5,725.0	5,704.4	5,765.1	5,738.2	14.6	6.5	-27.52	501.8	88.8	511.4	494.6	16.83	30.392	
5,750.0	5,729.4	5,789.9	5,762.7	14.6	6.5	-27.19	501.2	92.4	509.2	492.4	16.85	30.227	
5,775.0	5,754.4	5,815.3	5,787.9	14.6	6.5	-26.85	500.6	96.1	507.0	490.2	16.87	30.061	
5,800.0	5,779.4	5,839.6	5,811.9	14.6	6.6	-26.54	500.0	99.5	504.8	488.0	16.89	29.894	
5,825.0	5,804.4	5,864.1	5,836.2	14.6	6.6	-26.23	499.3	102.8	502.7	485.8	16.91	29.729	
5,850.0	5,829.4	5,889.5	5,861.3	14.7	6.6	-25.91	498.6	106.3	500.6	483.6	16.93	29.562	
5,875.0	5,854.4	5,913.3	5,884.9	14.7	6.6	-25.61	497.9	109.5	498.5	481.5	16.96	29.398	
5,900.0	5,879.4	5,936.3	5,907.7	14.7	6.7	-25.31	497.3	112.6	496.4	479.4	16.98	29.241	
5,925.0	5,904.4	5,960.6	5,931.8	14.7	6.7	-25.02	496.7	115.7	494.5	477.5	17.00	29.085	
5,950.0	5,929.4	5,985.8	5,956.8	14.7	6.7	-24.72	496.0	118.9	492.5	475.5	17.03	28.925	
5,975.0	5,954.4	6,010.4	5,981.2	14.7	6.8	-24.44	495.3	121.8	490.6	473.5	17.05	28.767	
6,000.0	5,979.4	6,033.9	6,004.5	14.7	6.8	-24.17	494.6	124.6	488.7	471.6	17.08	28.612	
6,025.0	6,004.4	6,057.1	6,027.5	14.8	6.8	-23.92	494.0	127.3	486.9	469.8	17.11	28.464	
6,050.0	6,029.4	6,082.6	6,052.8	14.8	6.8	-23.65	493.3	130.1	485.1	468.0	17.14	28.313	
6,075.0	6,054.4	6,107.8	6,077.9	14.8	6.9	-23.39	492.5	132.8	483.3	466.2	17.16	28.159	
6,100.0	6,079.4	6,130.7	6,100.7	14.8	6.9	-23.15	491.8	135.3	481.6	464.4	17.19	28.013	
6,125.0	6,104.4	6,154.8	6,124.6	14.8	6.9	-22.90	491.2	137.8	480.0	462.7	17.22	27.871	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,150.0	6,129.4	6,180.5	6,150.2	14.8	6.9	-22.64	490.5	140.5	478.3	461.1	17.25	27.723	
6,175.0	6,154.4	6,203.7	6,173.3	14.8	7.0	-22.42	489.8	142.8	476.7	459.4	17.28	27.583	
6,200.0	6,179.4	6,228.4	6,197.8	14.9	7.0	-22.19	489.1	145.1	475.1	457.8	17.31	27.442	
6,225.0	6,204.4	6,251.4	6,220.7	14.9	7.0	-21.99	488.5	147.2	473.6	456.3	17.34	27.308	
6,250.0	6,229.4	6,276.0	6,245.2	14.9	7.1	-21.77	487.8	149.4	472.2	454.8	17.38	27.174	
6,275.0	6,254.4	6,300.0	6,269.1	14.9	7.1	-21.55	487.2	151.5	470.8	453.4	17.41	27.046	
6,300.0	6,279.4	6,324.9	6,293.9	14.9	7.1	-21.32	486.7	153.7	469.5	452.0	17.44	26.919	
6,325.0	6,304.4	6,351.2	6,320.0	14.9	7.1	-21.05	486.1	156.3	468.1	450.6	17.47	26.788	
6,350.0	6,329.4	6,379.6	6,348.2	14.9	7.2	-20.69	485.6	159.7	466.6	449.1	17.51	26.649	
6,375.0	6,354.4	6,405.4	6,373.8	15.0	7.2	-20.33	485.1	163.0	464.9	447.4	17.54	26.509	
6,400.0	6,379.4	6,429.6	6,397.8	15.0	7.2	-19.97	484.6	166.3	463.3	445.8	17.57	26.374	
6,425.0	6,404.4	6,454.3	6,422.3	15.0	7.3	-19.61	484.1	169.5	461.8	444.2	17.60	26.238	
6,450.0	6,429.4	6,478.7	6,446.5	15.0	7.3	-19.26	483.6	172.7	460.2	442.6	17.63	26.105	
6,475.0	6,454.4	6,503.7	6,471.2	15.0	7.3	-18.92	483.1	175.7	458.7	441.0	17.66	25.970	
6,500.0	6,479.4	6,529.0	6,496.4	15.0	7.4	-18.59	482.5	178.7	457.2	439.5	17.70	25.834	
6,525.0	6,504.4	6,552.3	6,519.5	15.0	7.4	-18.31	481.9	181.3	455.7	437.9	17.73	25.703	
6,550.0	6,529.4	6,576.3	6,543.4	15.1	7.4	-18.04	481.3	183.8	454.3	436.5	17.76	25.574	
6,575.0	6,554.4	6,598.7	6,565.7	15.1	7.4	-17.80	480.7	185.9	453.0	435.2	17.80	25.453	
6,600.0	6,579.4	6,623.0	6,589.9	15.1	7.5	-17.56	480.2	188.0	451.7	433.9	17.83	25.334	
6,625.0	6,604.4	6,645.4	6,612.2	15.1	7.5	-17.36	479.7	189.8	450.6	432.8	17.87	25.223	
6,650.0	6,629.4	6,667.5	6,634.3	15.1	7.5	-17.18	479.3	191.5	449.7	431.8	17.90	25.121	
6,675.0	6,654.4	6,690.0	6,656.7	15.1	7.5	-17.00	479.0	193.0	448.8	430.9	17.93	25.027	
6,700.0	6,679.4	6,713.3	6,679.9	15.1	7.6	-16.83	478.8	194.5	448.2	430.2	17.97	24.940	
6,725.0	6,704.4	6,737.5	6,704.1	15.2	7.6	-16.65	478.6	196.0	447.5	429.5	18.01	24.856	
6,750.0	6,729.4	6,762.5	6,729.1	15.2	7.6	-16.46	478.5	197.6	446.9	428.9	18.04	24.772	
6,775.0	6,754.4	6,786.9	6,753.4	15.2	7.6	-16.20	478.5	199.7	446.4	428.3	18.08	24.691	
6,800.0	6,779.4	6,809.9	6,776.3	15.2	7.7	-15.92	478.7	201.9	445.8	427.7	18.11	24.616	
6,825.0	6,804.4	6,832.4	6,798.7	15.2	7.7	-15.64	478.9	204.1	445.5	427.3	18.15	24.549	
6,850.0	6,829.4	6,855.3	6,821.5	15.2	7.7	-15.38	479.3	206.2	445.2	427.0	18.18	24.489	
6,875.0	6,854.4	6,877.6	6,843.7	15.2	7.7	-15.14	479.7	207.9	445.1	426.9	18.22	24.438	
6,900.0	6,879.4	6,903.8	6,869.8	15.3	7.8	-14.87	480.2	209.9	445.1	426.8	18.25	24.386	
6,915.4	6,894.7	6,917.8	6,883.7	15.3	7.8	-14.72	480.4	211.1	445.1	426.8	18.27	24.356	
6,925.0	6,904.4	6,926.9	6,892.8	15.3	7.8	-14.62	480.7	211.9	445.1	426.8	18.29	24.338	
6,950.0	6,929.4	6,954.4	6,920.1	15.3	7.8	-14.25	481.3	214.7	445.0	426.7	18.32	24.285	
6,975.0	6,954.4	6,978.6	6,944.2	15.3	7.9	-13.89	481.9	217.4	444.9	426.6	18.36	24.232	
6,997.1	6,976.5	7,000.0	6,965.5	15.3	7.9	-13.58	482.5	219.7	444.9	426.5	18.40	24.186	
7,000.0	6,979.4	7,002.7	6,968.1	15.3	7.9	-13.54	482.5	220.0	444.9	426.5	18.40	24.180	
7,025.0	7,004.4	7,025.0	6,990.3	15.3	7.9	-13.23	483.2	222.4	445.0	426.6	18.44	24.135	
7,050.0	7,029.4	7,048.9	7,014.1	15.3	7.9	-12.93	483.9	224.6	445.2	426.7	18.48	24.095	
7,075.0	7,054.4	7,072.3	7,037.4	15.4	8.0	-12.66	484.6	226.6	445.5	427.0	18.51	24.062	
7,100.0	7,079.4	7,097.7	7,062.7	15.4	8.0	-12.41	485.4	228.4	445.8	427.3	18.55	24.031	
7,125.0	7,104.4	7,124.2	7,089.2	15.4	8.0	-12.15	486.1	230.3	446.1	427.5	18.59	23.997	
7,150.0	7,129.4	7,153.4	7,118.2	15.4	8.0	-11.82	486.7	232.8	446.2	427.6	18.63	23.951	
7,175.0	7,154.4	7,180.5	7,145.1	15.4	8.1	-11.43	487.3	235.8	446.1	427.5	18.67	23.893	
7,200.0	7,179.4	7,205.1	7,169.6	15.4	8.1	-11.05	487.8	238.7	446.1	427.3	18.72	23.833	
7,221.1	7,200.4	7,225.0	7,189.4	15.4	8.1	-10.76	488.2	241.0	446.0	427.3	18.75	23.785	
7,225.0	7,204.4	7,228.5	7,192.8	15.4	8.1	-10.70	488.3	241.4	446.0	427.3	18.76	23.777	
7,250.0	7,229.4	7,250.0	7,214.2	15.5	8.2	-10.41	488.8	243.6	446.2	427.4	18.80	23.730	
7,275.0	7,254.4	7,273.1	7,237.2	15.5	8.2	-10.12	489.5	245.7	446.5	427.6	18.84	23.693	
7,300.0	7,279.4	7,298.8	7,262.8	15.5	8.2	-9.81	490.2	248.0	446.8	427.9	18.89	23.657	
7,325.0	7,304.4	7,321.3	7,285.2	15.5	8.2	-9.54	490.9	250.1	447.2	428.3	18.93	23.623	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,350.0	7,329.4	7,346.3	7,310.0	15.5	8.3	-9.24	491.8	252.3	447.7	428.7	18.97	23.595	
7,375.0	7,354.4	7,372.6	7,336.2	15.5	8.3	-8.93	492.6	254.7	448.1	429.1	19.02	23.563	
7,400.0	7,379.4	7,409.3	7,372.7	15.6	8.3	-8.41	493.3	258.6	448.1	429.1	19.07	23.504	
7,425.0	7,404.4	7,437.3	7,400.5	15.6	8.4	-7.96	493.4	262.2	447.8	428.7	19.12	23.420	
7,450.0	7,429.4	7,461.8	7,424.8	15.6	8.4	-7.55	493.5	265.4	447.4	428.2	19.17	23.338	
7,475.0	7,454.4	7,486.5	7,449.3	15.6	8.4	-7.16	493.5	268.5	447.1	427.8	19.22	23.258	
7,500.0	7,479.4	7,511.0	7,473.6	15.6	8.5	-6.78	493.6	271.4	446.7	427.5	19.27	23.179	
7,525.0	7,504.4	7,535.1	7,497.5	15.6	8.5	-6.43	493.7	274.2	446.5	427.2	19.32	23.105	
7,550.0	7,529.4	7,562.3	7,524.5	15.6	8.5	-6.03	493.7	277.3	446.2	426.9	19.38	23.028	
7,575.0	7,554.4	7,600.1	7,562.1	15.7	8.6	-5.46	493.2	281.8	445.6	426.2	19.45	22.912	
7,600.0	7,579.4	7,625.0	7,586.8	15.7	8.6	-5.09	492.4	284.8	444.6	425.1	19.50	22.794	
7,625.0	7,604.4	7,649.0	7,610.7	15.7	8.6	-4.74	491.7	287.6	443.6	424.0	19.56	22.680	
7,650.0	7,629.4	7,673.5	7,635.0	15.7	8.7	-4.40	491.0	290.3	442.6	423.0	19.61	22.570	
7,675.0	7,654.4	7,699.0	7,660.4	15.7	8.7	-4.08	490.2	292.8	441.7	422.0	19.66	22.459	
7,700.0	7,679.4	7,722.8	7,684.0	15.7	8.7	-3.80	489.5	295.0	440.7	421.0	19.71	22.355	
7,725.0	7,704.4	7,746.7	7,707.9	15.7	8.7	-3.55	488.8	297.0	439.9	420.1	19.76	22.255	
7,750.0	7,729.4	7,772.5	7,733.5	15.8	8.8	-3.27	488.1	299.2	439.0	419.2	19.82	22.154	
7,775.0	7,754.4	7,796.9	7,757.8	15.8	8.8	-3.01	487.3	301.2	438.2	418.3	19.87	22.055	
7,800.0	7,779.4	7,821.2	7,782.1	15.8	8.8	-2.76	486.7	303.1	437.4	417.5	19.92	21.958	
7,825.0	7,804.4	7,846.2	7,806.9	15.8	8.9	-2.51	486.0	305.1	436.6	416.6	19.97	21.863	
7,850.0	7,829.4	7,869.6	7,830.2	15.8	8.9	-2.29	485.4	306.8	435.9	415.8	20.02	21.773	
7,875.0	7,854.4	7,894.2	7,854.8	15.8	8.9	-2.07	484.8	308.5	435.2	415.1	20.07	21.687	
7,900.0	7,879.4	7,920.9	7,881.4	15.8	8.9	-1.85	484.1	310.2	434.5	414.4	20.12	21.598	
7,925.0	7,904.4	7,946.1	7,906.6	15.9	9.0	-1.65	483.4	311.7	433.7	413.6	20.17	21.507	
7,950.0	7,929.4	7,968.9	7,929.3	15.9	9.0	-1.44	482.8	313.4	433.0	412.8	20.22	21.421	
7,975.0	7,954.4	7,993.0	7,953.3	15.9	9.0	-1.15	482.2	315.5	432.5	412.2	20.27	21.335	
8,000.0	7,979.4	8,018.7	7,978.9	15.9	9.1	-0.79	481.7	318.2	431.9	411.5	20.33	21.244	
8,025.0	8,004.4	8,043.6	8,003.6	15.9	9.1	-0.43	481.1	321.0	431.3	410.9	20.39	21.152	
8,050.0	8,029.4	8,068.5	8,028.4	15.9	9.1	-0.05	480.6	323.8	430.7	410.2	20.45	21.060	
8,075.0	8,054.4	8,093.5	8,053.2	16.0	9.2	0.32	480.0	326.6	430.1	409.6	20.51	20.969	
8,100.0	8,079.4	8,118.2	8,077.7	16.0	9.2	0.69	479.4	329.3	429.5	409.0	20.57	20.879	
8,125.0	8,104.4	8,143.2	8,102.6	16.0	9.2	1.04	478.8	332.0	429.0	408.4	20.63	20.791	
8,150.0	8,129.4	8,167.9	8,127.1	16.0	9.2	1.39	478.3	334.6	428.5	407.8	20.69	20.705	
8,175.0	8,154.4	8,192.2	8,151.3	16.0	9.3	1.72	477.7	337.1	428.0	407.2	20.75	20.621	
8,200.0	8,179.4	8,216.4	8,175.4	16.0	9.3	2.04	477.2	339.5	427.5	406.7	20.81	20.542	
8,225.0	8,204.4	8,238.9	8,197.8	16.0	9.3	2.34	476.8	341.6	427.2	406.3	20.87	20.468	
8,250.0	8,229.4	8,260.1	8,218.9	16.1	9.4	2.64	476.6	343.8	427.0	406.1	20.93	20.403	
8,253.0	8,232.3	8,262.6	8,221.3	16.1	9.4	2.67	476.6	344.1	427.0	406.1	20.94	20.396	
8,275.0	8,254.4	8,281.5	8,240.1	16.1	9.4	2.97	476.5	346.3	427.1	406.1	20.99	20.346	
8,300.0	8,279.4	8,304.7	8,263.2	16.1	9.4	3.35	476.6	349.2	427.4	406.3	21.06	20.294	
8,325.0	8,304.4	8,329.0	8,287.3	16.1	9.4	3.76	476.8	352.2	427.7	406.6	21.13	20.244	
8,350.0	8,329.4	8,353.3	8,311.4	16.1	9.5	4.16	476.9	355.2	428.1	406.9	21.20	20.196	
8,375.0	8,354.4	8,377.4	8,335.3	16.1	9.5	4.54	477.1	358.1	428.5	407.3	21.26	20.153	
8,400.0	8,379.4	8,402.6	8,360.3	16.2	9.5	4.92	477.3	361.0	429.0	407.7	21.33	20.111	
8,425.0	8,404.4	8,426.4	8,384.0	16.2	9.6	5.28	477.6	363.7	429.5	408.1	21.40	20.072	
8,450.0	8,429.4	8,453.1	8,410.5	16.2	9.6	5.70	477.8	366.9	430.0	408.6	21.47	20.031	
8,475.0	8,454.4	8,480.9	8,438.0	16.2	9.6	6.19	477.8	370.6	430.4	408.8	21.54	19.978	
8,500.0	8,479.4	8,505.5	8,462.4	16.2	9.7	6.64	477.8	374.0	430.7	409.1	21.62	19.922	
8,525.0	8,504.4	8,529.2	8,485.9	16.2	9.7	7.07	477.8	377.3	431.1	409.4	21.70	19.871	
8,550.0	8,529.4	8,554.5	8,511.0	16.2	9.7	7.49	477.8	380.5	431.5	409.8	21.77	19.823	
8,575.0	8,554.4	8,580.6	8,536.9	16.3	9.8	7.87	477.8	383.4	431.9	410.1	21.84	19.779	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,600.0	8,579.4	8,607.9	8,564.1	16.3	9.8	8.22	477.8	386.0	432.3	410.4	21.90	19.734	
8,625.0	8,604.4	8,636.5	8,592.6	16.3	9.8	8.58	477.6	388.7	432.4	410.5	21.97	19.682	
8,650.0	8,629.4	8,664.7	8,620.6	16.3	9.9	8.97	477.1	391.6	432.4	410.3	22.04	19.616	
8,675.0	8,654.4	8,689.2	8,644.9	16.3	9.9	9.31	476.5	394.1	432.2	410.1	22.11	19.550	
8,700.0	8,679.4	8,712.9	8,668.6	16.3	9.9	9.62	476.1	396.5	432.2	410.0	22.17	19.490	
8,706.3	8,685.7	8,719.1	8,674.7	16.3	9.9	9.70	476.0	397.0	432.2	410.0	22.19	19.475	
8,725.0	8,704.4	8,737.6	8,693.1	16.4	9.9	9.94	475.7	398.8	432.2	409.9	22.24	19.432	
8,750.0	8,729.4	8,763.0	8,718.4	16.4	10.0	10.24	475.3	401.1	432.2	409.9	22.31	19.376	
8,766.4	8,745.7	8,779.4	8,734.7	16.4	10.0	10.44	475.0	402.5	432.2	409.8	22.35	19.340	
8,775.0	8,754.4	8,787.5	8,742.8	16.4	10.0	10.53	474.9	403.2	432.2	409.8	22.37	19.321	
8,800.0	8,779.4	8,812.8	8,768.1	16.4	10.0	10.84	474.5	405.5	432.2	409.8	22.43	19.267	
8,825.0	8,804.4	8,839.8	8,794.9	16.4	10.1	11.21	474.0	408.2	432.2	409.7	22.51	19.204	
8,850.0	8,829.4	8,869.3	8,824.1	16.4	10.1	11.70	473.0	411.8	432.0	409.4	22.59	19.123	
8,875.0	8,854.4	8,897.6	8,852.1	16.4	10.1	12.23	471.7	415.6	431.6	408.9	22.68	19.026	
8,900.0	8,879.4	8,922.2	8,876.5	16.5	10.2	12.69	470.5	418.9	431.1	408.3	22.77	18.935	
8,925.0	8,904.4	8,945.7	8,899.7	16.5	10.2	13.13	469.4	422.0	430.7	407.8	22.85	18.849	
8,950.0	8,929.4	8,971.9	8,925.7	16.5	10.2	13.62	468.1	425.5	430.3	407.3	22.94	18.761	
8,975.0	8,954.4	8,996.3	8,949.9	16.5	10.3	14.05	467.0	428.6	429.9	406.9	23.02	18.676	
9,000.0	8,979.4	9,021.5	8,974.9	16.5	10.3	14.47	465.8	431.5	429.5	406.4	23.10	18.595	
9,025.0	9,004.4	9,047.4	9,000.6	16.5	10.3	14.88	464.7	434.3	429.1	405.9	23.18	18.514	
9,050.0	9,029.4	9,071.8	9,024.8	16.6	10.4	15.26	463.5	437.0	428.7	405.4	23.25	18.436	
9,075.0	9,054.4	9,095.4	9,048.2	16.6	10.4	15.61	462.5	439.5	428.4	405.1	23.32	18.370	
9,100.0	9,079.4	9,120.3	9,073.0	16.6	10.4	15.92	461.6	441.7	428.1	404.7	23.37	18.320	
9,125.0	9,104.4	9,145.5	9,098.2	16.6	10.4	16.22	460.8	443.7	427.8	404.4	23.41	18.274	
9,150.0	9,129.4	9,170.8	9,123.4	16.6	10.4	16.51	459.9	445.7	427.5	404.1	23.46	18.228	
9,175.0	9,154.4	9,196.2	9,148.7	16.6	10.4	16.79	459.0	447.6	427.2	403.7	23.50	18.180	
9,200.0	9,179.4	9,221.6	9,174.0	16.6	10.4	17.06	458.1	449.4	426.9	403.4	23.54	18.132	
9,225.0	9,204.4	9,247.8	9,200.1	16.7	10.5	17.33	457.1	451.3	426.6	403.0	23.59	18.083	
9,250.0	9,229.4	9,356.3	9,306.7	16.7	10.5	19.26	442.4	461.3	425.0	400.8	24.13	17.615	
9,275.0	9,254.4	9,420.2	9,365.4	16.7	10.6	22.05	420.9	474.5	418.4	393.6	24.81	16.867	
9,300.0	9,279.4	9,456.5	9,397.1	16.7	10.6	24.17	405.9	484.0	410.8	385.7	25.14	16.340	
9,325.0	9,304.4	9,492.6	9,427.4	16.7	10.6	26.67	389.4	494.7	402.7	377.2	25.51	15.787	
9,350.0	9,329.4	9,522.5	9,451.4	16.7	10.7	29.04	374.6	504.4	394.3	368.6	25.78	15.298	
9,375.0	9,354.4	9,549.6	9,472.5	16.8	10.7	31.42	360.4	513.8	385.9	359.9	26.00	14.846	
9,400.0	9,379.4	9,576.0	9,492.4	16.8	10.7	33.93	345.9	523.3	377.6	351.4	26.21	14.408	
9,425.0	9,404.4	9,607.9	9,515.9	16.8	10.8	37.20	327.7	534.9	369.5	342.9	26.55	13.915	
9,450.0	9,429.4	9,632.8	9,533.6	16.8	10.8	39.87	312.4	543.3	360.7	334.0	26.75	13.486	
9,475.0	9,454.4	9,678.0	9,565.0	16.8	10.9	45.06	283.3	558.0	352.0	324.6	27.41	12.845	
9,500.0	9,479.4	9,703.8	9,582.0	16.8	10.9	48.27	265.8	566.1	343.5	315.9	27.62	12.438	
9,525.0	9,504.4	9,727.8	9,597.2	16.8	11.0	51.45	248.8	573.7	335.5	307.7	27.79	12.072	
9,550.0	9,529.4	9,747.8	9,609.4	16.9	11.0	54.24	234.3	580.0	328.2	300.3	27.88	11.770	
9,575.0	9,554.4	9,765.4	9,619.7	16.9	11.0	56.78	221.2	585.7	321.7	293.8	27.92	11.521	
9,600.0	9,579.4	9,781.9	9,629.1	16.9	11.0	59.26	208.7	591.0	316.3	288.4	27.96	11.313	
9,625.0	9,604.4	9,798.2	9,638.1	16.9	11.1	61.75	196.2	596.3	312.1	284.1	28.02	11.141	
9,650.0	9,629.4	9,813.4	9,646.3	16.9	11.1	64.14	184.3	601.3	309.2	281.1	28.08	11.011	
9,675.0	9,654.4	9,827.7	9,653.6	16.9	11.1	66.41	173.1	606.0	307.7	279.5	28.17	10.923	
9,688.9	9,668.2	9,834.9	9,657.2	17.0	11.1	67.58	167.3	608.4	307.4	279.2	28.23	10.891 CC, ES	
9,700.0	9,679.4	9,840.5	9,660.0	17.0	11.2	68.47	162.8	610.2	307.6	279.3	28.28	10.875	
9,725.0	9,704.4	9,852.5	9,665.9	17.0	11.2	70.43	153.1	614.2	309.0	280.6	28.44	10.865 SF	
9,750.0	9,729.4	9,864.1	9,671.4	17.0	11.2	72.32	143.7	618.1	312.0	283.4	28.65	10.891	
9,775.0	9,754.4	9,875.3	9,676.7	17.0	11.2	74.14	134.6	621.8	316.5	287.6	28.90	10.954	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,800.0	9,779.4	9,887.2	9,682.2	17.0	11.3	76.08	124.7	625.9	322.5	293.3	29.18	11.051	
9,825.0	9,804.4	9,899.0	9,687.5	17.0	11.3	78.00	115.0	629.8	329.9	300.4	29.50	11.184	
9,850.0	9,829.4	9,910.2	9,692.4	17.1	11.3	79.81	105.6	633.5	338.5	308.7	29.83	11.350	
9,875.0	9,854.4	9,920.9	9,696.9	17.1	11.3	81.53	96.6	637.0	348.5	318.3	30.17	11.548	
9,900.0	9,879.4	9,931.3	9,701.3	17.1	11.4	83.20	87.7	640.3	359.5	329.0	30.53	11.777	
9,925.0	9,904.4	9,941.2	9,705.3	17.1	11.4	84.77	79.2	643.4	371.7	340.8	30.88	12.034	
9,950.0	9,929.4	9,950.6	9,708.9	17.1	11.4	86.25	71.1	646.3	384.8	353.6	31.24	12.317	
9,975.0	9,954.4	9,959.3	9,712.2	17.1	11.4	87.63	63.5	649.0	398.9	367.3	31.59	12.624	
10,000.0	9,979.4	9,967.6	9,715.3	17.1	11.4	88.92	56.2	651.5	413.8	381.8	31.94	12.954	
10,025.0	10,004.4	9,975.7	9,718.2	17.2	11.5	90.17	49.0	653.9	429.4	397.1	32.28	13.305	
10,050.0	10,029.4	9,983.9	9,721.1	17.2	11.5	91.42	41.8	656.2	445.8	413.2	32.59	13.676	
10,075.0	10,054.4	9,991.7	9,723.8	17.2	11.5	92.61	34.7	658.5	462.7	429.8	32.90	14.064	
10,100.0	10,079.4	9,999.3	9,726.3	17.2	11.5	93.75	28.0	660.7	480.3	447.1	33.20	14.468	
10,125.0	10,104.4	10,006.6	9,728.8	17.2	11.5	94.83	21.4	662.7	498.3	464.9	33.48	14.886	
10,150.0	10,129.4	10,013.7	9,731.1	17.2	11.6	95.87	15.0	664.7	516.8	483.1	33.75	15.316	
10,175.0	10,154.4	10,019.0	9,732.8	17.3	11.6	96.65	10.2	666.2	535.8	501.8	34.02	15.750	
10,200.0	10,179.4	10,026.8	9,735.3	17.3	11.6	97.76	3.1	668.3	555.1	520.8	34.26	16.205	
10,225.0	10,204.4	10,032.9	9,737.2	17.3	11.6	98.63	-2.5	669.9	574.8	540.3	34.50	16.662	
10,250.0	10,229.4	10,038.8	9,739.0	17.3	11.6	99.46	-7.9	671.5	594.8	560.0	34.73	17.127	
10,275.0	10,254.4	10,044.6	9,740.7	17.3	11.6	100.26	-13.1	673.0	615.1	580.1	34.95	17.599	
10,300.0	10,279.4	10,050.1	9,742.4	17.3	11.7	101.02	-18.2	674.5	635.6	600.5	35.16	18.077	
10,307.2	10,286.6	10,051.7	9,742.8	17.4	11.7	101.24	-19.7	674.9	641.6	606.4	35.22	18.216	
10,325.0	10,304.4	10,055.3	9,743.9	17.4	11.7	98.61	-23.0	675.9	656.5	621.0	35.49	18.495	
10,350.0	10,329.3	10,059.4	9,745.1	17.4	11.7	94.46	-26.8	676.9	677.6	642.0	35.69	18.989	
10,375.0	10,354.1	10,066.0	9,746.9	17.4	11.7	90.46	-32.9	678.6	699.1	663.3	35.85	19.503	
10,400.0	10,378.8	10,066.0	9,746.9	17.4	11.7	85.26	-32.9	678.6	720.8	684.7	36.04	19.999	
10,425.0	10,403.2	10,066.0	9,746.9	17.4	11.7	79.95	-32.9	678.6	742.6	706.4	36.21	20.505	
10,450.0	10,427.2	10,066.0	9,746.9	17.4	11.7	74.64	-32.9	678.6	764.5	728.1	36.37	21.017	
10,475.0	10,450.9	10,066.0	9,746.9	17.4	11.7	69.43	-32.9	678.6	786.4	749.9	36.52	21.535	
10,500.0	10,474.2	10,066.0	9,746.9	17.4	11.7	64.44	-32.9	678.6	808.3	771.6	36.65	22.056	
10,525.0	10,496.9	10,066.0	9,746.9	17.4	11.7	59.72	-32.9	678.6	830.1	793.3	36.76	22.581	
10,550.0	10,519.0	10,066.0	9,746.9	17.4	11.7	55.34	-32.9	678.6	851.7	814.9	36.86	23.108	
10,575.0	10,540.5	10,056.2	9,744.1	17.4	11.7	50.21	-23.8	676.1	873.1	836.1	37.01	23.593	
10,600.0	10,561.3	10,052.0	9,742.9	17.4	11.7	46.23	-20.0	675.0	894.3	857.2	37.10	24.101	
10,625.0	10,581.4	10,047.2	9,741.5	17.4	11.7	42.62	-15.6	673.7	915.1	877.9	37.19	24.605	
10,650.0	10,600.7	10,041.8	9,739.9	17.4	11.6	39.36	-10.6	672.3	935.5	898.3	37.27	25.102	
10,675.0	10,619.0	10,035.9	9,738.1	17.4	11.6	36.45	-5.2	670.7	955.6	918.2	37.34	25.593	
10,700.0	10,636.5	10,029.4	9,736.1	17.4	11.6	33.84	0.7	669.0	975.1	937.7	37.40	26.076	
10,725.0	10,653.0	10,019.0	9,732.8	17.4	11.6	31.31	10.2	666.2	994.2	956.7	37.47	26.535	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-33.45	562.6	-371.7	674.4				
25.0	25.0	15.2	15.2	0.5	3.0	-33.45	562.6	-371.7	674.3				
50.0	50.0	40.6	40.6	0.5	3.0	-33.46	562.5	-371.8	674.3	669.6	4.73	142.702	
75.0	75.0	66.0	66.0	0.5	3.0	-33.47	562.4	-371.9	674.3	669.5	4.73	142.695	
100.0	100.0	91.3	91.3	0.5	3.0	-33.49	562.3	-372.0	674.2	669.5	4.73	142.684	
125.0	125.0	116.4	116.4	0.6	3.0	-33.51	562.1	-372.2	674.2	669.4	4.76	141.667	
150.0	150.0	141.4	141.4	0.8	3.0	-33.54	561.9	-372.4	674.1	669.3	4.80	140.454	
175.0	175.0	166.6	166.6	0.9	3.0	-33.56	561.7	-372.7	674.1	669.2	4.85	139.063	
200.0	200.0	191.9	191.9	1.0	3.0	-33.59	561.4	-372.9	674.0	669.1	4.90	137.508	
225.0	225.0	217.3	217.3	1.1	3.0	-33.62	561.2	-373.1	673.9	669.0	4.94	136.387	
250.0	250.0	242.2	242.2	1.2	3.0	-33.65	560.9	-373.4	673.8	668.8	4.98	135.206	
275.0	275.0	268.1	268.1	1.3	3.0	-33.68	560.6	-373.6	673.7	668.7	5.03	133.969	
300.0	300.0	293.5	293.5	1.4	3.0	-33.72	560.3	-373.9	673.6	668.5	5.08	132.677	
325.0	325.0	319.2	319.2	1.4	3.0	-33.75	560.0	-374.1	673.5	668.3	5.12	131.579	
350.0	350.0	345.1	345.1	1.5	3.0	-33.77	559.6	-374.3	673.3	668.1	5.16	130.445	
375.0	375.0	370.7	370.6	1.6	3.0	-33.80	559.3	-374.5	673.1	667.9	5.21	129.281	
400.0	400.0	394.8	394.7	1.6	3.0	-33.83	558.9	-374.6	672.9	667.6	5.25	128.100	
425.0	425.0	420.1	420.1	1.7	3.0	-33.86	558.6	-374.8	672.7	667.4	5.30	127.047	
450.0	450.0	444.9	444.9	1.8	3.0	-33.89	558.2	-375.0	672.5	667.2	5.34	125.981	
475.0	475.0	469.4	469.4	1.8	3.0	-33.93	557.9	-375.2	672.4	667.0	5.38	124.908	
500.0	500.0	494.5	494.5	1.9	3.1	-33.96	557.5	-375.5	672.2	666.8	5.43	123.828	
525.0	525.0	519.5	519.5	1.9	3.1	-33.99	557.2	-375.7	672.0	666.6	5.47	122.837	
550.0	550.0	544.4	544.3	2.0	3.1	-34.02	556.9	-375.9	671.9	666.4	5.51	121.841	
575.0	575.0	568.6	568.6	2.1	3.1	-34.05	556.6	-376.1	671.7	666.2	5.56	120.847	
600.0	600.0	592.3	592.2	2.1	3.1	-34.08	556.3	-376.3	671.6	666.0	5.60	119.863	
625.0	625.0	616.7	616.6	2.2	3.1	-34.11	556.0	-376.6	671.5	665.9	5.65	118.958	
647.8	647.8	637.9	637.8	2.2	3.1	-34.15	555.7	-377.0	671.5	665.8	5.68	118.142	
650.0	650.0	639.8	639.8	2.2	3.1	-34.15	555.7	-377.0	671.5	665.8	5.69	118.064	
675.0	675.0	663.4	663.3	2.3	3.1	-34.20	555.5	-377.4	671.5	665.8	5.73	117.190	
700.0	700.0	687.9	687.8	2.3	3.1	-34.24	555.2	-377.9	671.6	665.8	5.77	116.320	
725.0	725.0	712.8	712.8	2.4	3.1	-34.29	555.0	-378.4	671.7	665.9	5.82	115.505	
750.0	750.0	737.8	737.7	2.4	3.1	-34.33	554.7	-378.9	671.8	665.9	5.86	114.689	
775.0	775.0	761.8	761.7	2.5	3.1	-34.38	554.5	-379.4	671.9	666.0	5.90	113.881	
800.0	800.0	786.3	786.2	2.5	3.1	-34.42	554.3	-379.9	672.0	666.1	5.94	113.084	
825.0	825.0	811.9	811.8	2.6	3.1	-34.45	554.3	-380.2	672.2	666.2	5.98	112.326	
850.0	850.0	838.4	838.3	2.6	3.2	-34.47	554.2	-380.4	672.3	666.2	6.03	111.564	
875.0	875.0	866.2	866.1	2.6	3.2	-34.46	554.3	-380.4	672.3	666.2	6.07	110.782	
900.0	900.0	893.2	893.1	2.7	3.2	-34.42	554.5	-379.9	672.2	666.1	6.11	109.976	
925.0	925.0	918.1	918.0	2.7	3.1	-34.37	554.7	-379.4	672.1	665.9	6.15	109.200	
950.0	950.0	942.4	942.3	2.8	3.1	-34.32	555.0	-378.9	672.0	665.8	6.20	108.434	
975.0	975.0	967.2	967.1	2.8	3.1	-34.27	555.2	-378.4	671.9	665.6	6.24	107.674	
1,000.0	1,000.0	991.4	991.3	2.9	3.1	-34.23	555.5	-377.9	671.8	665.5	6.28	106.922	
1,025.0	1,025.0	1,016.5	1,016.3	2.9	3.1	-34.18	555.7	-377.4	671.8	665.5	6.33	106.203	
1,050.0	1,050.0	1,042.0	1,041.9	3.0	3.1	-34.14	556.0	-376.9	671.7	665.3	6.37	105.482	
1,075.0	1,075.0	1,066.6	1,066.4	3.0	3.1	-34.10	556.2	-376.6	671.6	665.2	6.41	104.767	
1,100.0	1,100.0	1,091.8	1,091.6	3.0	3.1	-34.07	556.3	-376.2	671.6	665.1	6.45	104.057	
1,125.0	1,125.0	1,117.0	1,116.9	3.1	3.1	-34.04	556.4	-375.9	671.5	665.0	6.50	103.368	
1,148.0	1,148.0	1,138.2	1,138.0	3.1	3.1	-34.03	556.5	-375.8	671.5	665.0	6.54	102.750	
1,150.0	1,150.0	1,139.9	1,139.8	3.1	3.1	-34.03	556.5	-375.7	671.5	665.0	6.54	102.698	
1,175.0	1,175.0	1,164.9	1,164.8	3.2	3.1	-34.01	556.6	-375.6	671.5	664.9	6.58	102.043	
1,200.0	1,200.0	1,191.2	1,191.0	3.2	3.1	-33.99	556.7	-375.4	671.5	664.9	6.62	101.374	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-33.98	556.8	-375.3	671.5	664.8	6.67	100.724	
1,250.0	1,250.0	1,242.6	1,242.4	3.3	3.1	-33.97	556.8	-375.1	671.4	664.7	6.71	100.068	
1,275.0	1,275.0	1,266.6	1,266.4	3.3	3.1	-33.96	556.8	-375.0	671.3	664.6	6.75	99.418	
1,294.1	1,294.1	1,284.3	1,284.1	3.4	3.1	-33.95	556.8	-374.9	671.3	664.5	6.78	98.939	
1,300.0	1,300.0	1,289.8	1,289.6	3.4	3.1	-33.95	556.8	-374.9	671.3	664.5	6.79	98.797	
1,325.0	1,325.0	1,313.0	1,312.8	3.4	3.1	-33.95	556.9	-374.9	671.3	664.5	6.84	98.219	
1,350.0	1,350.0	1,336.2	1,336.0	3.4	3.2	-33.95	557.0	-375.0	671.5	664.6	6.88	97.660	
1,375.0	1,375.0	1,360.1	1,359.9	3.5	3.2	-33.96	557.1	-375.1	671.6	664.7	6.92	97.110	
1,400.0	1,400.0	1,384.7	1,384.5	3.5	3.2	-33.97	557.1	-375.4	671.8	664.9	6.96	96.559	
1,425.0	1,425.0	1,409.2	1,409.0	3.6	3.2	-33.99	557.2	-375.7	672.0	665.0	7.00	96.027	
1,450.0	1,450.0	1,434.7	1,434.6	3.6	3.2	-34.02	557.2	-376.1	672.3	665.2	7.04	95.492	
1,475.0	1,475.0	1,460.2	1,460.0	3.6	3.2	-34.05	557.2	-376.5	672.4	665.4	7.08	94.956	
1,500.0	1,500.0	1,485.2	1,485.0	3.7	3.2	-34.08	557.1	-376.9	672.6	665.5	7.12	94.424	
1,525.0	1,525.0	1,510.0	1,509.8	3.7	3.2	-34.10	557.1	-377.2	672.8	665.7	7.16	93.907	
1,550.0	1,550.0	1,535.2	1,535.0	3.8	3.2	-34.09	557.4	-377.2	673.0	665.8	7.21	93.389	
1,575.0	1,575.0	1,560.3	1,560.1	3.8	3.2	-34.05	557.8	-376.9	673.2	665.9	7.25	92.869	
1,600.0	1,600.0	1,584.5	1,584.3	3.8	3.2	-34.00	558.3	-376.5	673.4	666.1	7.29	92.356	
1,625.0	1,625.0	1,608.8	1,608.6	3.9	3.2	-33.95	558.8	-376.2	673.6	666.3	7.33	91.861	
1,650.0	1,650.0	1,633.9	1,633.7	3.9	3.2	-33.90	559.3	-375.8	673.9	666.5	7.38	91.367	
1,675.0	1,675.0	1,658.5	1,658.2	3.9	3.2	-33.85	559.8	-375.5	674.1	666.7	7.42	90.878	
1,700.0	1,700.0	1,683.0	1,682.8	4.0	3.2	-33.82	560.2	-375.3	674.4	666.9	7.46	90.397	
1,725.0	1,725.0	1,708.4	1,708.2	4.0	3.2	-33.78	560.7	-375.1	674.6	667.1	7.50	89.922	
1,750.0	1,750.0	1,733.1	1,732.8	4.1	3.2	-33.76	561.1	-375.0	674.9	667.3	7.54	89.454	
1,775.0	1,775.0	1,758.4	1,758.2	4.1	3.2	-33.74	561.4	-374.9	675.1	667.5	7.59	88.985	
1,800.0	1,800.0	1,782.9	1,782.7	4.1	3.2	-33.72	561.7	-374.9	675.4	667.8	7.63	88.520	
1,825.0	1,825.0	1,806.9	1,806.7	4.2	3.2	-33.71	562.0	-374.9	675.7	668.0	7.67	88.071	
1,850.0	1,850.0	1,831.5	1,831.2	4.2	3.3	-33.70	562.3	-375.0	676.0	668.3	7.71	87.626	
1,875.0	1,875.0	1,855.5	1,855.3	4.2	3.3	-33.70	562.6	-375.2	676.3	668.6	7.76	87.185	
1,900.0	1,900.0	1,878.8	1,878.5	4.3	3.3	-33.70	562.9	-375.4	676.7	668.9	7.80	86.757	
1,925.0	1,925.0	1,902.8	1,902.6	4.3	3.3	-33.70	563.3	-375.6	677.2	669.3	7.84	86.340	
1,950.0	1,950.0	1,927.7	1,927.5	4.3	3.3	-33.70	563.6	-375.9	677.6	669.7	7.89	85.924	
1,975.0	1,975.0	1,953.4	1,953.1	4.4	3.3	-33.71	564.0	-376.2	678.1	670.1	7.93	85.503	
2,000.0	2,000.0	1,977.5	1,977.3	4.4	3.3	-33.70	564.4	-376.4	678.5	670.6	7.97	85.092	
2,025.0	2,025.0	2,004.4	2,004.2	4.4	3.3	-88.68	564.9	-376.5	679.0	671.0	8.01	84.741	
2,050.0	2,050.0	2,039.8	2,039.6	4.5	3.3	-88.64	565.6	-376.1	679.2	671.1	8.05	84.342	
2,075.0	2,075.0	2,078.2	2,077.9	4.5	3.3	-88.50	566.4	-374.2	679.0	670.9	8.09	83.905	
2,100.0	2,100.0	2,106.0	2,105.6	4.5	3.3	-88.36	567.1	-372.1	678.4	670.3	8.13	83.461	
2,125.0	2,125.0	2,130.6	2,130.0	4.6	3.3	-88.24	567.8	-370.1	677.8	669.7	8.18	82.842	
2,150.0	2,150.0	2,154.7	2,154.1	4.6	3.4	-88.13	568.4	-368.1	677.3	669.0	8.24	82.239	
2,175.0	2,175.0	2,179.0	2,178.4	4.6	3.4	-88.02	569.1	-366.1	676.8	668.5	8.29	81.650	
2,200.0	2,200.0	2,205.2	2,204.5	4.7	3.4	-87.91	569.9	-364.0	676.2	667.9	8.34	81.066	
2,225.0	2,224.9	2,232.1	2,231.2	4.7	3.4	-87.81	570.6	-361.8	675.6	667.2	8.40	80.479	
2,250.0	2,249.9	2,263.5	2,262.4	4.8	3.4	-87.68	571.4	-358.9	674.9	666.4	8.45	79.877	
2,275.0	2,274.9	2,295.3	2,294.1	4.8	3.4	-87.55	572.1	-355.6	673.9	665.4	8.50	79.258	
2,300.0	2,299.9	2,327.3	2,325.9	4.9	3.4	-87.41	572.6	-351.9	672.6	664.0	8.55	78.622	
2,325.0	2,324.8	2,356.8	2,355.1	4.9	3.4	-87.27	573.0	-348.1	671.1	662.5	8.61	77.965	
2,350.0	2,349.8	2,387.4	2,385.4	4.9	3.4	-87.11	573.3	-343.9	669.4	660.8	8.66	77.293	
2,375.0	2,374.7	2,414.1	2,411.9	5.0	3.4	-86.98	573.6	-340.0	667.6	658.9	8.71	76.617	
2,400.0	2,399.7	2,438.4	2,435.9	5.0	3.4	-86.87	573.8	-336.4	665.7	657.0	8.77	75.953	
2,425.0	2,424.6	2,461.8	2,459.0	5.1	3.5	-86.78	574.0	-333.1	663.9	655.1	8.82	75.293	
2,450.0	2,449.5	2,484.0	2,481.0	5.1	3.5	-86.73	574.0	-330.2	662.2	653.3	8.87	74.657	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,475.0	2,474.5	2,504.7	2,501.6	5.2	3.5	-86.71	574.0	-327.9	660.6	651.7	8.92	74.052	
2,500.0	2,499.4	2,525.0	2,521.8	5.2	3.5	-86.72	574.0	-325.8	659.1	650.2	8.97	73.478	
2,525.0	2,524.3	2,547.4	2,544.1	5.3	3.5	-91.58	574.1	-323.7	657.9	648.9	9.04	72.777	
2,550.0	2,549.2	2,569.3	2,566.0	5.4	3.5	-95.99	574.1	-321.8	657.0	647.9	9.11	72.121	
2,575.0	2,574.0	2,591.5	2,588.0	5.4	3.5	-99.96	574.3	-319.9	656.3	647.2	9.18	71.508	
2,600.0	2,598.9	2,614.7	2,611.2	5.5	3.5	-103.52	574.5	-318.1	656.0	646.8	9.25	70.936	
2,622.1	2,620.9	2,635.4	2,631.8	5.5	3.5	-106.38	574.6	-316.5	655.9	646.6	9.30	70.522	
2,625.0	2,623.7	2,638.1	2,634.5	5.5	3.5	-106.73	574.7	-316.3	655.9	646.6	9.31	70.471	
2,650.0	2,648.6	2,660.7	2,657.0	5.6	3.5	-109.61	574.9	-314.6	656.1	646.7	9.37	70.043	
2,675.0	2,673.4	2,684.1	2,680.4	5.7	3.5	-112.21	575.2	-313.0	656.5	647.1	9.43	69.650	
2,700.0	2,698.2	2,709.1	2,705.3	5.7	3.6	-114.56	575.5	-311.2	657.2	647.7	9.49	69.283	
2,717.4	2,715.4	2,725.8	2,721.9	5.7	3.6	-116.07	575.7	-310.1	657.7	648.2	9.50	69.246	
2,725.0	2,722.9	2,733.4	2,729.5	5.7	3.6	-116.11	575.8	-309.6	658.0	648.5	9.51	69.163	
2,750.0	2,747.7	2,758.1	2,754.2	5.8	3.6	-116.24	576.1	-307.9	658.9	649.4	9.56	68.893	
2,775.0	2,772.4	2,782.0	2,778.0	5.9	3.6	-116.37	576.5	-306.3	659.9	650.3	9.62	68.629	
2,800.0	2,797.2	2,805.9	2,801.9	5.9	3.6	-116.49	576.8	-304.7	660.9	651.2	9.67	68.371	
2,825.0	2,822.0	2,829.5	2,825.4	6.0	3.6	-116.62	577.3	-303.1	661.9	652.2	9.72	68.099	
2,850.0	2,846.7	2,854.4	2,850.3	6.0	3.6	-116.75	577.7	-301.5	662.9	653.2	9.77	67.829	
2,875.0	2,871.5	2,878.9	2,874.8	6.1	3.7	-116.88	578.1	-300.0	664.0	654.2	9.83	67.563	
2,900.0	2,896.2	2,901.7	2,897.5	6.2	3.7	-117.00	578.5	-298.6	665.1	655.3	9.88	67.307	
2,925.0	2,921.0	2,926.4	2,922.1	6.3	3.7	-117.13	579.0	-297.1	666.3	656.4	9.94	67.042	
2,950.0	2,945.7	2,952.7	2,948.3	6.3	3.7	-117.28	579.5	-295.5	667.5	657.5	10.00	66.774	
2,975.0	2,970.5	2,977.0	2,972.6	6.4	3.7	-117.42	579.9	-294.1	668.6	658.6	10.05	66.510	
3,000.0	2,995.2	3,001.7	2,997.3	6.5	3.7	-117.56	580.3	-292.6	669.8	659.7	10.11	66.248	
3,025.0	3,020.0	3,025.9	3,021.5	6.6	3.7	-117.69	580.8	-291.2	671.0	660.8	10.17	65.980	
3,050.0	3,044.8	3,052.3	3,047.8	6.6	3.8	-117.84	581.2	-289.7	672.1	661.9	10.23	65.708	
3,075.0	3,069.5	3,077.4	3,072.9	6.7	3.8	-118.00	581.5	-288.4	673.3	663.0	10.29	65.438	
3,100.0	3,094.3	3,100.0	3,095.4	6.8	3.8	-118.14	581.8	-287.2	674.5	664.1	10.35	65.178	
3,125.0	3,119.0	3,123.6	3,118.9	6.9	3.8	-118.28	582.2	-286.0	675.7	665.3	10.41	64.916	
3,150.0	3,143.8	3,149.0	3,144.4	7.0	3.8	-118.44	582.6	-284.8	677.0	666.6	10.47	64.652	
3,175.0	3,168.5	3,173.8	3,169.2	7.1	3.8	-118.60	582.9	-283.6	678.3	667.8	10.53	64.391	
3,200.0	3,193.3	3,198.6	3,193.9	7.1	3.8	-118.77	583.2	-282.5	679.6	669.0	10.60	64.131	
3,225.0	3,218.1	3,224.0	3,219.3	7.2	3.9	-118.94	583.5	-281.4	680.9	670.2	10.66	63.862	
3,250.0	3,242.8	3,247.9	3,243.1	7.3	3.9	-119.10	583.7	-280.4	682.2	671.5	10.73	63.598	
3,275.0	3,267.6	3,273.4	3,268.7	7.4	3.9	-119.28	584.0	-279.3	683.5	672.7	10.79	63.332	
3,300.0	3,292.3	3,297.6	3,292.8	7.5	3.9	-119.44	584.3	-278.3	684.8	674.0	10.86	63.070	
3,325.0	3,317.1	3,321.6	3,316.8	7.6	3.9	-119.60	584.6	-277.3	686.2	675.3	10.93	62.806	
3,350.0	3,341.8	3,346.3	3,341.5	7.7	3.9	-119.77	584.9	-276.3	687.6	676.6	10.99	62.543	
3,375.0	3,366.6	3,371.4	3,366.5	7.8	4.0	-119.93	585.2	-275.2	689.0	677.9	11.06	62.280	
3,400.0	3,391.4	3,396.1	3,391.2	7.9	4.0	-120.10	585.5	-274.2	690.3	679.2	11.13	62.018	
3,425.0	3,416.1	3,422.0	3,417.1	8.0	4.0	-120.27	585.8	-273.2	691.7	680.5	11.20	61.747	
3,450.0	3,440.9	3,446.2	3,441.3	8.0	4.0	-120.44	586.0	-272.2	693.1	681.8	11.27	61.480	
3,475.0	3,465.6	3,470.6	3,465.7	8.1	4.0	-120.62	586.2	-271.4	694.5	683.2	11.35	61.215	
3,500.0	3,490.4	3,495.4	3,490.5	8.2	4.1	-120.80	586.4	-270.5	695.9	684.5	11.42	60.950	
3,525.0	3,515.1	3,518.7	3,513.7	8.3	4.1	-120.97	586.6	-269.7	697.4	685.9	11.49	60.688	
3,550.0	3,539.9	3,542.7	3,537.7	8.4	4.1	-121.14	586.8	-269.0	698.9	687.4	11.57	60.429	
3,575.0	3,564.7	3,567.5	3,562.5	8.5	4.1	-121.33	587.0	-268.3	700.5	688.8	11.64	60.169	
3,600.0	3,589.4	3,591.9	3,586.9	8.6	4.1	-121.51	587.2	-267.6	702.0	690.3	11.72	59.910	
3,625.0	3,614.2	3,616.3	3,611.3	8.7	4.2	-121.70	587.4	-267.0	703.6	691.8	11.80	59.650	
3,650.0	3,638.9	3,641.1	3,636.1	8.8	4.2	-121.89	587.5	-266.3	705.2	693.3	11.87	59.390	
3,675.0	3,663.7	3,666.6	3,661.6	8.9	4.2	-122.09	587.7	-265.7	706.8	694.8	11.95	59.127	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,700.0	3,688.4	3,690.4	3,685.3	9.0	4.2	-122.27	587.9	-265.1	708.4	696.3	12.03	58.871	
3,725.0	3,713.2	3,714.1	3,709.1	9.1	4.2	-122.45	588.1	-264.5	710.0	697.9	12.11	58.617	
3,750.0	3,737.9	3,738.3	3,733.2	9.2	4.3	-122.63	588.3	-263.9	711.7	699.5	12.19	58.365	
3,775.0	3,762.7	3,764.0	3,758.9	9.3	4.3	-122.82	588.5	-263.3	713.4	701.1	12.28	58.109	
3,800.0	3,787.5	3,788.9	3,783.9	9.4	4.3	-123.01	588.7	-262.7	715.1	702.7	12.36	57.852	
3,825.0	3,812.2	3,813.4	3,808.3	9.5	4.3	-123.19	588.9	-262.2	716.8	704.3	12.44	57.597	
3,850.0	3,837.0	3,838.9	3,833.8	9.6	4.3	-123.38	589.1	-261.6	718.5	705.9	12.53	57.338	
3,875.0	3,861.7	3,863.1	3,858.0	9.7	4.4	-123.56	589.3	-260.9	720.2	707.6	12.62	57.085	
3,900.0	3,886.5	3,886.5	3,881.4	9.8	4.4	-123.72	589.6	-260.3	721.9	709.2	12.70	56.842	
3,925.0	3,911.2	3,910.6	3,905.5	9.9	4.4	-123.90	589.9	-259.8	723.7	710.9	12.79	56.597	
3,950.0	3,936.0	3,935.3	3,930.2	10.0	4.4	-124.08	590.2	-259.2	725.5	712.6	12.88	56.351	
3,975.0	3,960.8	3,960.0	3,954.9	10.1	4.4	-124.26	590.4	-258.7	727.4	714.4	12.96	56.106	
4,000.0	3,985.5	3,984.4	3,979.3	10.2	4.5	-124.43	590.7	-258.2	729.2	716.1	13.05	55.864	
4,025.0	4,010.3	4,008.9	4,003.7	10.3	4.5	-124.61	591.0	-257.7	731.1	717.9	13.14	55.623	
4,050.0	4,035.0	4,034.6	4,029.5	10.4	4.5	-124.80	591.2	-257.2	732.9	719.7	13.24	55.374	
4,075.0	4,059.8	4,058.4	4,053.2	10.5	4.5	-124.97	591.5	-256.7	734.8	721.4	13.33	55.135	
4,100.0	4,084.5	4,082.4	4,077.3	10.6	4.5	-125.15	591.7	-256.3	736.7	723.3	13.42	54.900	
4,125.0	4,109.3	4,107.4	4,102.3	10.7	4.6	-125.33	592.0	-255.9	738.6	725.1	13.51	54.659	
4,150.0	4,134.1	4,131.6	4,126.5	10.8	4.6	-125.51	592.2	-255.5	740.5	726.9	13.61	54.423	
4,175.0	4,158.8	4,155.6	4,150.4	10.9	4.6	-125.69	592.4	-255.1	742.5	728.8	13.70	54.191	
4,200.0	4,183.6	4,179.8	4,174.6	11.0	4.6	-125.87	592.6	-254.8	744.5	730.7	13.80	53.961	
4,225.0	4,208.3	4,205.2	4,200.0	11.1	4.7	-126.07	592.8	-254.6	746.5	732.6	13.90	53.722	
4,250.0	4,233.1	4,229.4	4,224.2	11.2	4.7	-126.26	592.9	-254.4	748.5	734.5	13.99	53.489	
4,275.0	4,257.8	4,251.8	4,246.6	11.3	4.7	-126.44	593.1	-254.2	750.6	736.5	14.09	53.272	
4,300.0	4,282.6	4,278.2	4,273.0	11.4	4.7	-126.65	593.2	-254.1	752.7	738.5	14.19	53.037	
4,325.0	4,307.4	4,304.0	4,298.8	11.5	4.8	-126.86	593.3	-253.9	754.8	740.5	14.29	52.836	
4,350.0	4,332.1	4,326.6	4,321.4	11.6	4.8	-127.04	593.4	-253.8	756.9	742.5	14.37	52.655	
4,365.6	4,347.6	4,341.4	4,336.2	11.6	4.8	-127.16	593.4	-253.8	758.2	743.8	14.43	52.544	
4,375.0	4,356.9	4,350.3	4,345.2	11.7	4.8	-127.24	593.5	-253.8	759.0	744.6	14.46	52.487	
4,400.0	4,381.6	4,378.1	4,372.9	11.7	4.8	-127.47	593.5	-253.8	761.1	746.5	14.55	52.302	
4,425.0	4,406.4	4,402.7	4,397.5	11.8	4.8	-127.68	593.5	-253.7	763.1	748.4	14.66	52.061	
4,450.0	4,431.2	4,426.9	4,421.7	11.9	4.8	-127.88	593.5	-253.7	765.0	750.2	14.76	51.825	
4,475.0	4,456.0	4,451.4	4,446.2	12.0	4.9	-128.07	593.5	-253.7	766.9	752.0	14.86	51.592	
4,500.0	4,480.9	4,476.3	4,471.2	12.1	4.9	-128.25	593.5	-253.6	768.7	753.7	14.97	51.359	
4,525.0	4,505.7	4,500.2	4,495.0	12.2	4.9	-128.42	593.6	-253.5	770.5	755.4	15.07	51.142	
4,550.0	4,530.5	4,524.8	4,519.7	12.3	4.9	-128.58	593.6	-253.5	772.2	757.0	15.16	50.924	
4,575.0	4,555.4	4,548.8	4,543.6	12.4	4.9	-128.74	593.7	-253.5	773.9	758.6	15.26	50.711	
4,600.0	4,580.3	4,570.8	4,565.6	12.5	5.0	-128.88	593.8	-253.5	775.6	760.2	15.35	50.512	
4,625.0	4,605.2	4,597.5	4,592.3	12.6	5.0	-129.03	594.0	-253.6	777.2	761.8	15.45	50.299	
4,650.0	4,630.1	4,621.0	4,615.8	12.7	5.0	-129.17	594.0	-253.7	778.8	763.2	15.55	50.096	
4,675.0	4,655.0	4,646.6	4,641.4	12.8	5.0	-129.32	594.0	-253.9	780.3	764.7	15.64	49.882	
4,700.0	4,679.9	4,673.2	4,668.0	12.9	5.0	-129.47	594.0	-254.0	781.7	766.0	15.74	49.656	
4,725.0	4,704.8	4,696.6	4,691.4	13.0	5.0	-129.59	594.0	-254.2	783.1	767.2	15.83	49.456	
4,750.0	4,729.7	4,722.3	4,717.1	13.1	5.0	-129.72	593.9	-254.3	784.4	768.4	15.93	49.245	
4,775.0	4,754.7	4,747.2	4,742.0	13.2	5.0	-129.83	593.9	-254.4	785.6	769.5	16.02	49.037	
4,800.0	4,779.6	4,771.3	4,766.1	13.3	5.0	-129.93	593.9	-254.6	786.7	770.6	16.11	48.834	
4,825.0	4,804.6	4,795.4	4,790.2	13.4	5.0	-130.03	594.0	-254.7	787.8	771.6	16.20	48.643	
4,850.0	4,829.5	4,820.0	4,814.8	13.4	5.0	-130.12	594.0	-254.9	788.9	772.6	16.28	48.450	
4,875.0	4,854.5	4,845.9	4,840.7	13.5	5.0	-130.22	594.0	-255.1	789.9	773.5	16.37	48.246	
4,900.0	4,879.5	4,871.2	4,866.0	13.6	5.0	-130.31	593.9	-255.3	790.8	774.3	16.46	48.040	
4,925.0	4,904.4	4,896.6	4,891.5	13.7	5.0	-130.39	593.8	-255.5	791.6	775.1	16.54	47.847	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
4,950.0	4,929.4	4,921.6	4,916.4	13.8	5.0	-130.46	593.8	-255.7	792.4	775.7	16.63	47.655	
4,975.0	4,954.4	4,946.1	4,940.9	13.9	5.0	-130.53	593.8	-255.9	793.0	776.3	16.71	47.467	
5,000.0	4,979.4	4,971.5	4,966.3	13.9	5.0	-130.59	593.7	-256.1	793.6	776.9	16.79	47.272	
5,025.0	5,004.4	4,995.7	4,990.5	14.0	5.0	-130.64	593.6	-256.3	794.2	777.3	16.86	47.102	
5,050.0	5,029.4	5,019.5	5,014.3	14.1	5.0	-130.69	593.6	-256.5	794.7	777.8	16.93	46.933	
5,075.0	5,054.4	5,046.0	5,040.8	14.1	5.0	-130.74	593.4	-256.9	795.1	778.1	17.01	46.748	
5,100.0	5,079.4	5,072.5	5,067.3	14.2	5.0	-130.79	593.2	-257.2	795.4	778.4	17.09	46.558	
5,125.0	5,104.4	5,097.5	5,092.3	14.2	5.0	-130.83	593.0	-257.4	795.6	778.5	17.13	46.456	
5,150.0	5,129.4	5,121.1	5,115.9	14.3	5.0	-130.86	592.9	-257.7	795.8	778.6	17.17	46.361	
5,165.6	5,145.0	5,136.2	5,131.0	14.3	5.0	-47.00	592.8	-257.9	795.9	778.7	17.19	46.301	
5,175.0	5,154.4	5,145.3	5,140.1	14.3	5.0	-47.01	592.8	-258.0	795.9	778.8	17.20	46.289	
5,200.0	5,179.4	5,171.3	5,166.1	14.3	5.0	-47.03	592.6	-258.3	796.1	778.9	17.21	46.246	
5,225.0	5,204.4	5,199.1	5,193.9	14.3	5.0	-47.06	592.4	-258.6	796.1	778.9	17.25	46.146	
5,250.0	5,229.4	5,222.8	5,217.6	14.3	5.0	-47.08	592.1	-258.9	796.2	778.9	17.28	46.067	
5,275.0	5,254.4	5,249.3	5,244.1	14.3	5.0	-47.10	592.0	-259.0	796.2	778.9	17.32	45.978	
5,300.0	5,279.4	5,283.0	5,277.8	14.4	5.0	-47.07	592.2	-258.6	796.0	778.7	17.36	45.857	
5,325.0	5,304.4	5,309.1	5,303.9	14.4	5.0	-47.02	592.5	-257.9	795.8	778.4	17.39	45.770	
5,350.0	5,329.4	5,334.5	5,329.2	14.4	5.1	-46.97	592.7	-257.2	795.4	778.0	17.41	45.684	
5,375.0	5,354.4	5,358.7	5,353.5	14.4	5.1	-46.92	593.1	-256.5	795.2	777.7	17.44	45.607	
5,400.0	5,379.4	5,384.0	5,378.8	14.4	5.1	-46.87	593.4	-255.8	794.9	777.4	17.46	45.524	
5,425.0	5,404.4	5,408.5	5,403.2	14.4	5.1	-46.81	593.7	-255.1	794.6	777.1	17.48	45.446	
5,450.0	5,429.4	5,433.1	5,427.8	14.4	5.2	-46.76	594.1	-254.4	794.3	776.8	17.51	45.370	
5,475.0	5,454.4	5,458.8	5,453.5	14.5	5.2	-46.70	594.5	-253.6	794.0	776.5	17.53	45.288	
5,500.0	5,479.4	5,484.3	5,479.0	14.5	5.2	-46.64	594.9	-252.9	793.7	776.2	17.56	45.207	
5,525.0	5,504.4	5,510.9	5,505.6	14.5	5.2	-46.57	595.4	-251.9	793.4	775.8	17.58	45.124	
5,550.0	5,529.4	5,536.7	5,531.4	14.5	5.3	-46.48	596.0	-250.8	793.0	775.4	17.61	45.045	
5,575.0	5,554.4	5,561.7	5,556.3	14.5	5.3	-46.40	596.6	-249.8	792.7	775.0	17.63	44.969	
5,600.0	5,579.4	5,586.2	5,580.8	14.5	5.3	-46.32	597.1	-248.7	792.3	774.6	17.65	44.896	
5,625.0	5,604.4	5,610.7	5,605.3	14.5	5.3	-46.23	597.8	-247.6	791.9	774.3	17.67	44.824	
5,650.0	5,629.4	5,635.6	5,630.1	14.6	5.3	-46.14	598.4	-246.5	791.6	773.9	17.69	44.753	
5,675.0	5,654.4	5,661.3	5,655.8	14.6	5.4	-46.05	599.1	-245.4	791.2	773.5	17.71	44.679	
5,700.0	5,679.4	5,685.8	5,680.2	14.6	5.4	-45.97	599.7	-244.3	790.9	773.1	17.73	44.606	
5,725.0	5,704.4	5,710.6	5,705.1	14.6	5.4	-45.88	600.3	-243.3	790.6	772.8	17.75	44.534	
5,750.0	5,729.4	5,737.4	5,731.8	14.6	5.4	-45.80	600.8	-242.2	790.2	772.4	17.78	44.451	
5,775.0	5,754.4	5,762.7	5,757.0	14.6	5.5	-45.72	601.3	-241.2	789.8	772.0	17.80	44.371	
5,800.0	5,779.4	5,788.4	5,782.8	14.6	5.5	-45.64	601.8	-240.1	789.4	771.6	17.82	44.288	
5,825.0	5,804.4	5,813.4	5,807.7	14.6	5.5	-45.57	602.3	-239.1	788.9	771.1	17.85	44.208	
5,850.0	5,829.4	5,837.5	5,831.8	14.7	5.5	-45.49	602.7	-238.1	788.5	770.7	17.87	44.131	
5,875.0	5,854.4	5,862.0	5,856.2	14.7	5.6	-45.42	603.1	-237.1	788.2	770.3	17.89	44.053	
5,900.0	5,879.4	5,887.1	5,881.4	14.7	5.6	-45.35	603.5	-236.2	787.8	769.9	17.92	43.972	
5,925.0	5,904.4	5,912.9	5,907.1	14.7	5.6	-45.29	603.9	-235.3	787.4	769.4	17.94	43.887	
5,950.0	5,929.4	5,939.1	5,933.3	14.7	5.6	-45.23	604.1	-234.4	787.0	769.0	17.97	43.797	
5,975.0	5,954.4	5,963.7	5,957.9	14.7	5.7	-45.18	604.3	-233.6	786.5	768.5	17.99	43.710	
6,000.0	5,979.4	5,988.6	5,982.7	14.7	5.7	-45.12	604.6	-232.8	786.1	768.1	18.02	43.624	
6,025.0	6,004.4	6,012.7	6,006.9	14.8	5.7	-45.07	604.8	-232.0	785.7	767.6	18.05	43.539	
6,050.0	6,029.4	6,036.1	6,030.3	14.8	5.7	-45.03	605.0	-231.3	785.3	767.2	18.07	43.459	
6,075.0	6,054.4	6,061.2	6,055.3	14.8	5.8	-44.98	605.2	-230.6	785.0	766.9	18.10	43.375	
6,100.0	6,079.4	6,087.1	6,081.3	14.8	5.8	-44.94	605.3	-229.9	784.6	766.5	18.13	43.284	
6,125.0	6,104.4	6,112.4	6,106.5	14.8	5.8	-44.90	605.4	-229.3	784.2	766.1	18.16	43.195	
6,150.0	6,129.4	6,137.7	6,131.9	14.8	5.8	-44.86	605.5	-228.6	783.8	765.6	18.18	43.105	
6,175.0	6,154.4	6,163.4	6,157.5	14.8	5.9	-44.82	605.6	-228.0	783.4	765.2	18.21	43.011	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,200.0	6,179.4	6,186.6	6,180.7	14.9	5.9	-44.79	605.7	-227.4	783.0	764.8	18.24	42.927	
6,225.0	6,204.4	6,208.8	6,202.9	14.9	5.9	-44.76	605.8	-226.9	782.7	764.4	18.26	42.852	
6,250.0	6,229.4	6,232.6	6,226.7	14.9	5.9	-44.72	605.9	-226.3	782.4	764.2	18.29	42.776	
6,275.0	6,254.4	6,257.5	6,251.6	14.9	5.9	-44.69	606.1	-225.8	782.2	763.9	18.32	42.696	
6,300.0	6,279.4	6,282.2	6,276.3	14.9	6.0	-44.66	606.2	-225.4	782.0	763.6	18.35	42.617	
6,325.0	6,304.4	6,306.9	6,301.0	14.9	6.0	-44.62	606.4	-224.9	781.8	763.4	18.38	42.539	
6,350.0	6,329.4	6,332.9	6,326.9	14.9	6.0	-44.59	606.6	-224.4	781.5	763.1	18.41	42.456	
6,375.0	6,354.4	6,356.1	6,350.1	15.0	6.0	-44.55	606.8	-223.9	781.3	762.9	18.43	42.384	
6,400.0	6,379.4	6,379.9	6,373.9	15.0	6.1	-44.52	607.0	-223.5	781.2	762.7	18.46	42.314	
6,425.0	6,404.4	6,403.9	6,397.9	15.0	6.1	-44.48	607.2	-223.1	781.0	762.5	18.49	42.244	
6,447.5	6,426.9	6,423.0	6,417.0	15.0	6.1	-44.46	607.4	-222.8	781.0	762.5	18.51	42.193	
6,450.0	6,429.4	6,425.0	6,419.0	15.0	6.1	-44.46	607.4	-222.8	781.0	762.5	18.51	42.188	
6,475.0	6,454.4	6,447.4	6,441.5	15.0	6.1	-44.43	607.7	-222.5	781.0	762.5	18.54	42.134	
6,500.0	6,479.4	6,472.1	6,466.1	15.0	6.2	-44.40	608.1	-222.3	781.1	762.6	18.56	42.078	
6,525.0	6,504.4	6,497.6	6,491.6	15.0	6.2	-44.36	608.5	-222.0	781.2	762.6	18.59	42.019	
6,550.0	6,529.4	6,521.2	6,515.2	15.1	6.2	-44.33	608.9	-221.7	781.3	762.7	18.62	41.967	
6,575.0	6,554.4	6,549.6	6,543.7	15.1	6.2	-44.27	609.5	-221.3	781.4	762.8	18.65	41.903	
6,600.0	6,579.4	6,575.6	6,569.6	15.1	6.3	-44.20	610.2	-220.6	781.4	762.8	18.67	41.845	
6,605.8	6,585.2	6,581.2	6,575.2	15.1	6.3	-44.19	610.3	-220.5	781.4	762.7	18.68	41.833	
6,625.0	6,604.4	6,600.0	6,594.0	15.1	6.3	-44.13	610.8	-219.9	781.4	762.7	18.70	41.792	
6,650.0	6,629.4	6,623.9	6,617.9	15.1	6.3	-44.07	611.5	-219.3	781.5	762.7	18.72	41.742	
6,675.0	6,654.4	6,649.1	6,643.0	15.1	6.3	-44.00	612.2	-218.7	781.5	762.8	18.75	41.689	
6,700.0	6,679.4	6,673.8	6,667.7	15.1	6.4	-43.93	612.9	-218.0	781.6	762.8	18.77	41.638	
6,725.0	6,704.4	6,698.0	6,691.9	15.2	6.4	-43.86	613.6	-217.4	781.6	762.8	18.79	41.589	
6,750.0	6,729.4	6,721.7	6,715.6	15.2	6.4	-43.80	614.2	-216.8	781.7	762.9	18.82	41.543	
6,775.0	6,754.4	6,746.5	6,740.4	15.2	6.4	-43.74	614.9	-216.3	781.9	763.0	18.84	41.495	
6,800.0	6,779.4	6,771.1	6,765.0	15.2	6.5	-43.68	615.6	-215.8	782.0	763.1	18.87	41.446	
6,825.0	6,804.4	6,795.9	6,789.8	15.2	6.5	-43.61	616.3	-215.3	782.1	763.2	18.89	41.399	
6,850.0	6,829.4	6,821.9	6,815.8	15.2	6.5	-43.55	616.9	-214.8	782.3	763.3	18.92	41.347	
6,875.0	6,854.4	6,847.8	6,841.6	15.2	6.5	-43.50	617.5	-214.3	782.4	763.4	18.95	41.293	
6,900.0	6,879.4	6,872.6	6,866.5	15.3	6.6	-43.44	618.1	-213.8	782.5	763.5	18.97	41.241	
6,925.0	6,904.4	6,895.5	6,889.3	15.3	6.6	-43.38	618.8	-213.3	782.6	763.6	19.00	41.197	
6,950.0	6,929.4	6,922.9	6,916.6	15.3	6.6	-43.31	619.6	-212.7	782.7	763.7	19.02	41.144	
6,975.0	6,954.4	6,950.9	6,944.6	15.3	6.7	-43.22	620.4	-211.8	782.8	763.7	19.05	41.087	
7,000.0	6,979.4	6,975.8	6,969.5	15.3	6.7	-43.13	621.3	-210.9	782.7	763.7	19.07	41.038	
7,002.4	6,981.7	6,978.0	6,971.7	15.3	6.7	-43.12	621.4	-210.8	782.7	763.7	19.08	41.033	
7,025.0	7,004.4	7,000.0	6,993.7	15.3	6.7	-43.03	622.2	-210.0	782.8	763.7	19.10	40.992	
7,050.0	7,029.4	7,024.2	7,017.8	15.3	6.7	-42.94	623.1	-209.1	782.8	763.7	19.12	40.947	
7,075.0	7,054.4	7,046.1	7,039.7	15.4	6.8	-42.86	623.9	-208.3	782.9	763.8	19.14	40.909	
7,100.0	7,079.4	7,068.8	7,062.4	15.4	6.8	-42.78	624.7	-207.7	783.1	763.9	19.16	40.872	
7,125.0	7,104.4	7,092.1	7,085.7	15.4	6.8	-42.71	625.6	-207.1	783.3	764.2	19.18	40.837	
7,150.0	7,129.4	7,115.6	7,109.2	15.4	6.8	-42.63	626.5	-206.5	783.6	764.4	19.21	40.804	
7,175.0	7,154.4	7,140.3	7,133.8	15.4	6.9	-42.55	627.5	-205.9	784.0	764.8	19.23	40.771	
7,200.0	7,179.4	7,166.7	7,160.2	15.4	6.9	-42.47	628.4	-205.4	784.3	765.0	19.25	40.732	
7,225.0	7,204.4	7,192.5	7,185.9	15.4	6.9	-42.40	629.3	-204.8	784.6	765.3	19.28	40.691	
7,250.0	7,229.4	7,216.1	7,209.5	15.5	6.9	-42.34	630.1	-204.3	784.9	765.6	19.31	40.655	
7,275.0	7,254.4	7,238.2	7,231.6	15.5	7.0	-42.27	631.0	-203.8	785.2	765.9	19.33	40.627	
7,300.0	7,279.4	7,260.3	7,253.7	15.5	7.0	-42.20	631.9	-203.4	785.7	766.3	19.35	40.603	
7,325.0	7,304.4	7,284.5	7,277.9	15.5	7.0	-42.12	633.0	-203.0	786.2	766.8	19.37	40.581	
7,350.0	7,329.4	7,310.7	7,304.1	15.5	7.0	-42.04	634.2	-202.5	786.7	767.3	19.40	40.553	
7,375.0	7,354.4	7,336.5	7,329.8	15.5	7.1	-41.96	635.3	-202.0	787.2	767.7	19.42	40.524	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,400.0	7,379.4	7,363.2	7,356.5	15.6	7.1	-41.88	636.4	-201.5	787.6	768.2	19.45	40.492	
7,425.0	7,404.4	7,398.2	7,391.5	15.6	7.1	-41.77	637.7	-200.6	787.9	768.4	19.48	40.438	
7,450.0	7,429.4	7,426.8	7,420.1	15.6	7.1	-41.67	638.6	-199.6	787.9	768.4	19.51	40.382	
7,473.5	7,452.8	7,449.7	7,442.9	15.6	7.2	-41.58	639.3	-198.8	787.9	768.4	19.53	40.335	
7,475.0	7,454.4	7,450.0	7,443.2	15.6	7.2	-41.58	639.4	-198.8	787.9	768.4	19.54	40.334	
7,500.0	7,479.4	7,471.8	7,465.0	15.6	7.2	-41.51	640.1	-198.0	788.0	768.4	19.56	40.292	
7,525.0	7,504.4	7,496.8	7,489.9	15.6	7.2	-41.43	640.9	-197.3	788.1	768.6	19.58	40.248	
7,550.0	7,529.4	7,521.2	7,514.3	15.6	7.3	-41.35	641.8	-196.6	788.3	768.7	19.61	40.204	
7,575.0	7,554.4	7,545.7	7,538.8	15.7	7.3	-41.27	642.6	-195.9	788.5	768.8	19.63	40.161	
7,600.0	7,579.4	7,570.6	7,563.7	15.7	7.3	-41.20	643.3	-195.3	788.6	769.0	19.66	40.116	
7,625.0	7,604.4	7,595.8	7,588.9	15.7	7.3	-41.14	644.1	-194.7	788.8	769.1	19.69	40.070	
7,650.0	7,629.4	7,623.6	7,616.7	15.7	7.4	-41.07	644.8	-194.1	789.0	769.2	19.72	40.016	
7,675.0	7,654.4	7,652.4	7,645.5	15.7	7.4	-41.00	645.4	-193.4	789.0	769.2	19.75	39.953	
7,700.0	7,679.4	7,693.4	7,686.5	15.7	7.4	-40.89	646.0	-192.0	788.6	768.9	19.79	39.843	
7,725.0	7,704.4	7,734.2	7,727.2	15.7	7.5	-40.76	646.1	-189.6	787.7	767.8	19.84	39.695	
7,750.0	7,729.4	7,758.8	7,751.7	15.8	7.5	-40.68	646.1	-188.1	786.6	766.8	19.87	39.591	
7,775.0	7,754.4	7,783.7	7,776.5	15.8	7.5	-40.60	646.0	-186.6	785.6	765.7	19.90	39.487	
7,800.0	7,779.4	7,809.6	7,802.4	15.8	7.6	-40.52	645.9	-185.1	784.6	764.6	19.92	39.377	
7,825.0	7,804.4	7,835.6	7,828.3	15.8	7.6	-40.46	645.6	-183.7	783.5	763.6	19.96	39.263	
7,850.0	7,829.4	7,862.1	7,854.8	15.8	7.6	-40.40	645.2	-182.4	782.4	762.4	19.99	39.143	
7,875.0	7,854.4	7,888.4	7,881.1	15.8	7.6	-40.35	644.7	-181.1	781.2	761.2	20.02	39.020	
7,900.0	7,879.4	7,914.5	7,907.1	15.8	7.7	-40.31	644.1	-179.8	780.0	760.0	20.05	38.896	
7,925.0	7,904.4	7,940.2	7,932.9	15.9	7.7	-40.27	643.5	-178.6	778.8	758.7	20.09	38.771	
7,950.0	7,929.4	7,965.8	7,958.4	15.9	7.7	-40.23	642.9	-177.4	777.6	757.5	20.12	38.646	
7,975.0	7,954.4	7,992.7	7,985.3	15.9	7.7	-40.20	642.1	-176.2	776.3	756.1	20.16	38.512	
8,000.0	7,979.4	8,020.5	8,013.1	15.9	7.7	-40.17	641.2	-174.9	774.9	754.7	20.20	38.369	
8,025.0	8,004.4	8,046.7	8,039.2	15.9	7.8	-40.15	640.2	-173.8	773.5	753.3	20.23	38.229	
8,050.0	8,029.4	8,074.9	8,067.3	15.9	7.8	-40.14	639.0	-172.5	772.0	751.7	20.28	38.075	
8,075.0	8,054.4	8,098.8	8,091.2	16.0	7.8	-40.13	638.0	-171.5	770.5	750.2	20.31	37.939	
8,100.0	8,079.4	8,124.5	8,116.8	16.0	7.8	-40.13	636.8	-170.5	768.9	748.6	20.35	37.794	
8,125.0	8,104.4	8,149.1	8,141.3	16.0	7.8	-40.13	635.6	-169.5	767.4	747.0	20.38	37.653	
8,150.0	8,129.4	8,172.0	8,164.2	16.0	7.8	-40.14	634.5	-168.7	765.9	745.5	20.41	37.522	
8,175.0	8,154.4	8,195.0	8,187.2	16.0	7.8	-40.14	633.5	-167.8	764.5	744.0	20.44	37.394	
8,200.0	8,179.4	8,220.0	8,212.2	16.0	7.9	-40.14	632.4	-167.0	763.1	742.6	20.48	37.259	
8,225.0	8,204.4	8,242.1	8,234.2	16.0	7.9	-40.14	631.5	-166.2	761.7	741.2	20.51	37.140	
8,250.0	8,229.4	8,262.6	8,254.7	16.1	7.9	-40.12	630.9	-165.3	760.5	739.9	20.53	37.036	
8,275.0	8,254.4	8,282.9	8,275.0	16.1	7.9	-40.08	630.6	-164.4	759.4	738.8	20.56	36.943	
8,300.0	8,279.4	8,303.8	8,295.8	16.1	7.9	-40.04	630.3	-163.4	758.5	737.9	20.58	36.855	
8,325.0	8,304.4	8,326.6	8,318.6	16.1	8.0	-40.00	630.1	-162.5	757.6	737.0	20.61	36.765	
8,350.0	8,329.4	8,351.3	8,343.3	16.1	8.0	-39.95	629.9	-161.5	756.8	736.2	20.64	36.671	
8,375.0	8,354.4	8,376.3	8,368.3	16.1	8.0	-39.91	629.7	-160.6	756.0	735.4	20.67	36.576	
8,400.0	8,379.4	8,400.0	8,392.0	16.2	8.0	-39.86	629.5	-159.6	755.3	734.6	20.70	36.486	
8,425.0	8,404.4	8,421.4	8,413.4	16.2	8.1	-39.81	629.4	-158.8	754.6	733.8	20.72	36.408	
8,450.0	8,429.4	8,445.4	8,437.3	16.2	8.1	-39.76	629.4	-157.9	754.0	733.2	20.75	36.328	
8,475.0	8,454.4	8,470.4	8,462.3	16.2	8.1	-39.71	629.4	-157.0	753.4	732.6	20.78	36.245	
8,500.0	8,479.4	8,492.6	8,484.5	16.2	8.1	-39.66	629.4	-156.1	752.8	732.0	20.81	36.172	
8,525.0	8,504.4	8,514.9	8,506.8	16.2	8.2	-39.61	629.6	-155.4	752.3	731.5	20.84	36.105	
8,550.0	8,529.4	8,544.4	8,536.3	16.2	8.2	-39.53	629.8	-154.3	751.9	731.0	20.87	36.023	
8,575.0	8,554.4	8,573.3	8,565.1	16.3	8.2	-39.43	630.1	-152.8	751.3	730.4	20.91	35.935	
8,600.0	8,579.4	8,603.8	8,595.6	16.3	8.3	-39.32	630.2	-151.1	750.5	729.5	20.94	35.834	
8,625.0	8,604.4	8,626.6	8,618.4	16.3	8.3	-39.26	630.1	-150.0	749.6	728.7	20.97	35.749	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,650.0	8,629.4	8,654.8	8,646.5	16.3	8.3	-39.19	630.0	-148.6	748.8	727.8	21.01	35.647	
8,675.0	8,654.4	8,683.4	8,675.1	16.3	8.3	-39.12	629.7	-147.2	747.8	726.8	21.04	35.537	
8,700.0	8,679.4	8,707.9	8,699.6	16.3	8.4	-39.06	629.4	-146.0	746.8	725.7	21.07	35.442	
8,725.0	8,704.4	8,730.1	8,721.7	16.4	8.4	-39.01	629.1	-144.9	745.8	724.7	21.09	35.361	
8,750.0	8,729.4	8,752.3	8,743.9	16.4	8.4	-38.95	629.0	-143.8	744.9	723.8	21.11	35.284	
8,775.0	8,754.4	8,774.5	8,766.1	16.4	8.4	-38.88	629.1	-142.7	744.2	723.0	21.13	35.212	
8,800.0	8,779.4	8,796.7	8,788.2	16.4	8.4	-38.81	629.2	-141.6	743.5	722.3	21.15	35.145	
8,825.0	8,804.4	8,819.8	8,811.3	16.4	8.4	-38.72	629.4	-140.4	742.9	721.7	21.17	35.083	
8,850.0	8,829.4	8,844.1	8,835.6	16.4	8.4	-38.64	629.7	-139.2	742.3	721.1	21.19	35.025	
8,875.0	8,854.4	8,868.5	8,860.0	16.4	8.4	-38.57	629.8	-138.2	741.8	720.6	21.22	34.965	
8,900.0	8,879.4	8,893.0	8,884.4	16.5	8.4	-38.51	629.9	-137.3	741.3	720.0	21.24	34.905	
8,925.0	8,904.4	8,917.0	8,908.4	16.5	8.4	-38.46	629.9	-136.5	740.8	719.5	21.26	34.843	
8,950.0	8,929.4	8,940.5	8,932.0	16.5	8.5	-38.42	629.9	-135.8	740.3	719.0	21.29	34.781	
8,975.0	8,954.4	8,964.9	8,956.3	16.5	8.5	-38.38	629.9	-135.2	739.9	718.6	21.31	34.719	
9,000.0	8,979.4	8,991.1	8,982.5	16.5	8.5	-38.35	629.8	-134.6	739.5	718.2	21.34	34.651	
9,025.0	9,004.4	9,453.9	9,406.3	16.5	8.9	-43.60	486.7	-91.6	730.3	704.3	25.99	28.095	
9,050.0	9,029.4	9,480.4	9,426.3	16.6	8.9	-44.63	469.3	-89.8	716.1	690.0	26.18	27.354	
9,075.0	9,054.4	9,505.1	9,444.4	16.6	9.0	-45.73	452.6	-88.7	701.9	675.6	26.34	26.651	
9,100.0	9,079.4	9,529.9	9,462.2	16.6	9.0	-46.95	435.3	-88.2	687.6	661.1	26.50	25.948	
9,125.0	9,104.4	9,553.7	9,478.8	16.6	9.1	-48.23	418.3	-88.1	673.4	646.7	26.65	25.271	
9,150.0	9,129.4	9,781.2	9,611.3	16.6	9.7	-64.90	235.6	-72.0	658.4	628.0	30.37	21.675	
9,175.0	9,154.4	9,861.3	9,640.5	16.6	10.0	-73.90	161.7	-62.8	639.1	607.8	31.34	20.391	
9,200.0	9,179.4	9,880.3	9,645.7	16.6	10.0	-76.35	143.5	-61.1	619.8	588.4	31.42	19.723	
9,225.0	9,204.4	9,875.9	9,644.3	16.7	10.0	-75.80	147.6	-61.6	600.7	569.5	31.20	19.251	
9,250.0	9,229.4	9,899.0	9,650.3	16.7	10.1	-78.87	125.5	-59.6	582.0	550.7	31.32	18.583	
9,275.0	9,254.4	9,906.6	9,652.1	16.7	10.1	-79.92	118.1	-59.0	563.7	532.5	31.22	18.054	
9,300.0	9,279.4	9,913.9	9,653.8	16.7	10.2	-80.94	111.0	-58.4	545.8	514.7	31.11	17.546	
9,325.0	9,304.4	9,920.8	9,655.4	16.7	10.2	-81.91	104.3	-57.9	528.5	497.5	30.97	17.063	
9,350.0	9,329.4	9,927.4	9,656.8	16.7	10.2	-82.85	97.9	-57.5	511.7	480.9	30.82	16.605	
9,375.0	9,354.4	9,935.0	9,658.5	16.8	10.3	-83.94	90.5	-56.9	495.5	464.9	30.66	16.165	
9,400.0	9,379.4	9,944.7	9,660.4	16.8	10.3	-85.34	81.0	-56.3	480.0	449.5	30.50	15.736	
9,425.0	9,404.4	9,953.1	9,662.0	16.8	10.3	-86.56	72.8	-55.7	465.3	434.9	30.32	15.346	
9,450.0	9,429.4	9,960.3	9,663.3	16.8	10.4	-87.63	65.7	-55.2	451.3	421.2	30.10	14.992	
9,475.0	9,454.4	9,966.7	9,664.3	16.8	10.4	-88.58	59.4	-54.8	438.3	408.4	29.86	14.676	
9,500.0	9,479.4	9,972.4	9,665.2	16.8	10.4	-89.43	53.8	-54.4	426.2	396.6	29.61	14.398	
9,525.0	9,504.4	9,977.5	9,665.9	16.8	10.4	-90.18	48.8	-54.0	415.3	386.0	29.34	14.156	
9,550.0	9,529.4	9,982.0	9,666.5	16.9	10.5	-90.87	44.3	-53.7	405.6	376.6	29.07	13.952	
9,575.0	9,554.4	9,985.1	9,667.0	16.9	10.5	-91.33	41.2	-53.5	397.2	368.4	28.81	13.788	
9,600.0	9,579.4	9,988.5	9,667.4	16.9	10.5	-91.83	37.9	-53.3	390.2	361.6	28.58	13.654	
9,625.0	9,604.4	9,991.6	9,667.8	16.9	10.5	-92.31	34.8	-53.1	384.7	356.3	28.39	13.551	
9,650.0	9,629.4	9,994.6	9,668.2	16.9	10.5	-92.76	31.8	-52.9	380.7	352.4	28.25	13.475	
9,675.0	9,654.4	9,997.5	9,668.5	16.9	10.5	-93.19	29.0	-52.7	378.3	350.1	28.18	13.424	
9,699.4	9,678.8	10,000.1	9,668.8	17.0	10.5	-93.58	26.4	-52.6	377.5	349.3	28.18	13.396 CC	
9,700.0	9,679.4	10,000.2	9,668.8	17.0	10.5	-93.59	26.3	-52.6	377.5	349.3	28.18	13.395 ES	
9,725.0	9,704.4	10,002.7	9,669.1	17.0	10.6	-93.98	23.8	-52.4	378.4	350.1	28.26	13.389 SF	
9,750.0	9,729.4	10,005.1	9,669.4	17.0	10.6	-94.34	21.4	-52.3	380.8	352.4	28.41	13.403	
9,775.0	9,754.4	10,007.4	9,669.6	17.0	10.6	-94.69	19.1	-52.1	384.9	356.3	28.64	13.440	
9,800.0	9,779.4	10,009.6	9,669.8	17.0	10.6	-95.02	17.0	-52.0	390.5	361.6	28.93	13.501	
9,825.0	9,804.4	10,011.7	9,670.1	17.0	10.6	-95.33	14.9	-51.9	397.6	368.4	29.27	13.587	
9,850.0	9,829.4	10,013.7	9,670.3	17.1	10.6	-95.64	12.9	-51.8	406.1	376.5	29.64	13.701	
9,875.0	9,854.4	10,015.6	9,670.4	17.1	10.6	-95.92	11.0	-51.6	416.0	385.9	30.05	13.844	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
9,900.0	9,879.4	10,017.4	9,670.6	17.1	10.6	-96.20	9.2	-51.5	427.0	396.5	30.47	14.015	
9,925.0	9,904.4	10,019.2	9,670.8	17.1	10.6	-96.46	7.5	-51.4	439.2	408.3	30.89	14.217	
9,950.0	9,929.4	10,026.0	9,671.4	17.1	10.7	-97.49	0.7	-51.1	452.5	421.2	31.32	14.445	
9,975.0	9,954.4	10,026.0	9,671.4	17.1	10.7	-97.49	0.7	-51.1	466.6	434.9	31.74	14.703	
10,000.0	9,979.4	10,026.0	9,671.4	17.1	10.7	-97.49	0.7	-51.1	481.7	449.6	32.14	14.987	
10,025.0	10,004.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	497.5	465.0	32.53	15.295	
10,050.0	10,029.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	514.1	481.2	32.90	15.625	
10,075.0	10,054.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	531.4	498.1	33.26	15.976	
10,100.0	10,079.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	549.2	515.6	33.60	16.346	
10,125.0	10,104.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	567.6	533.7	33.92	16.733	
10,150.0	10,129.4	10,026.0	9,671.4	17.2	10.7	-97.49	0.7	-51.1	586.4	552.2	34.22	17.135	
10,175.0	10,154.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	605.8	571.2	34.51	17.551	
10,200.0	10,179.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	625.5	590.7	34.79	17.980	
10,225.0	10,204.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	645.6	610.5	35.05	18.420	
10,250.0	10,229.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	666.0	630.7	35.29	18.869	
10,275.0	10,254.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	686.7	651.2	35.53	19.327	
10,300.0	10,279.4	10,026.0	9,671.4	17.3	10.7	-97.49	0.7	-51.1	707.7	671.9	35.75	19.794	
10,307.2	10,286.6	10,026.0	9,671.4	17.4	10.7	-97.49	0.7	-51.1	713.8	678.0	35.82	19.929	
10,325.0	10,304.4	10,026.0	9,671.4	17.4	10.7	-93.96	0.7	-51.1	728.9	693.1	35.87	20.321	
10,350.0	10,329.3	10,026.0	9,671.4	17.4	10.7	-88.87	0.7	-51.1	750.5	714.4	36.07	20.804	
10,375.0	10,354.1	10,026.0	9,671.4	17.4	10.7	-83.61	0.7	-51.1	772.2	736.0	36.26	21.295	
10,400.0	10,378.8	10,026.0	9,671.4	17.4	10.7	-78.27	0.7	-51.1	794.1	757.6	36.44	21.791	
10,425.0	10,403.2	10,026.0	9,671.4	17.4	10.7	-72.99	0.7	-51.1	816.0	779.4	36.61	22.291	
10,450.0	10,427.2	10,026.0	9,671.4	17.4	10.7	-67.85	0.7	-51.1	837.9	801.1	36.76	22.793	
10,475.0	10,450.9	10,026.0	9,671.4	17.4	10.7	-62.95	0.7	-51.1	859.7	822.8	36.90	23.297	
10,500.0	10,474.2	10,026.0	9,671.4	17.4	10.7	-58.36	0.7	-51.1	881.5	844.4	37.03	23.801	
10,525.0	10,496.9	10,026.0	9,671.4	17.4	10.7	-54.12	0.7	-51.1	903.0	865.9	37.15	24.304	
10,550.0	10,519.0	10,026.0	9,671.4	17.4	10.7	-50.23	0.7	-51.1	924.4	887.1	37.26	24.807	
10,575.0	10,540.5	10,012.7	9,670.2	17.4	10.6	-45.81	13.9	-51.8	945.3	907.9	37.37	25.294	
10,600.0	10,561.3	10,007.2	9,669.6	17.4	10.6	-42.44	19.4	-52.1	965.9	928.4	37.46	25.782	
10,625.0	10,581.4	10,001.3	9,668.9	17.4	10.5	-39.44	25.2	-52.5	986.1	948.5	37.55	26.263	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
0.0	0.0	0.0	0.0	0.0	3.0	-35.54	562.4	-401.7	691.2				
25.0	25.0	14.7	14.7	0.5	3.0	-35.54	562.4	-401.7	691.1				
50.0	50.0	41.0	41.0	0.5	3.0	-35.54	562.3	-401.7	691.1	686.3	4.73	146.257	
75.0	75.0	67.2	67.2	0.5	3.0	-35.56	562.1	-401.8	691.0	686.3	4.73	146.235	
100.0	100.0	93.5	93.5	0.5	3.0	-35.58	561.9	-401.9	690.8	686.1	4.73	146.202	
125.0	125.0	120.1	120.1	0.6	3.0	-35.60	561.5	-402.1	690.6	685.9	4.76	145.128	
150.0	150.0	145.9	145.9	0.8	3.0	-35.64	561.1	-402.2	690.4	685.6	4.80	143.841	
175.0	175.0	171.0	171.0	0.9	3.0	-35.67	560.7	-402.4	690.2	685.3	4.85	142.366	
200.0	200.0	194.4	194.3	1.0	3.0	-35.69	560.3	-402.5	689.9	685.0	4.90	140.732	
225.0	225.0	219.4	219.4	1.1	3.0	-35.72	560.0	-402.7	689.7	684.8	4.94	139.554	
250.0	250.0	244.1	244.1	1.2	3.0	-35.75	559.6	-402.8	689.5	684.6	4.99	138.312	
275.0	275.0	269.0	269.0	1.3	3.0	-35.77	559.3	-402.9	689.4	684.3	5.03	137.017	
300.0	300.0	293.8	293.7	1.4	3.0	-35.79	559.0	-403.1	689.2	684.1	5.08	135.676	
325.0	325.0	318.6	318.6	1.4	3.0	-35.82	558.7	-403.3	689.0	683.9	5.12	134.541	
350.0	350.0	344.3	344.3	1.5	3.0	-35.85	558.3	-403.4	688.8	683.7	5.16	133.374	
375.0	375.0	369.0	368.9	1.6	3.0	-35.88	558.0	-403.6	688.6	683.4	5.21	132.183	
400.0	400.0	395.0	395.0	1.6	3.0	-35.91	557.6	-403.8	688.5	683.2	5.26	130.969	
425.0	425.0	422.4	422.4	1.7	3.0	-35.94	557.1	-403.9	688.2	682.9	5.30	129.862	
450.0	450.0	447.9	447.9	1.8	3.0	-35.97	556.7	-404.0	687.9	682.5	5.34	128.729	
475.0	475.0	473.7	473.6	1.8	3.0	-36.00	556.2	-404.1	687.5	682.2	5.39	127.578	
500.0	500.0	498.5	498.4	1.9	3.1	-36.03	555.7	-404.1	687.2	681.8	5.44	126.418	
525.0	525.0	523.7	523.6	1.9	3.1	-36.06	555.2	-404.2	686.9	681.4	5.48	125.349	
550.0	550.0	548.5	548.5	2.0	3.1	-36.08	554.8	-404.3	686.5	681.0	5.52	124.275	
575.0	575.0	573.6	573.5	2.1	3.1	-36.11	554.3	-404.3	686.2	680.6	5.57	123.194	
600.0	600.0	598.3	598.2	2.1	3.1	-36.14	553.8	-404.4	685.8	680.2	5.62	122.114	
625.0	625.0	621.7	621.6	2.2	3.1	-36.16	553.4	-404.5	685.5	679.9	5.66	121.117	
650.0	650.0	644.9	644.8	2.2	3.1	-36.19	553.0	-404.6	685.3	679.6	5.70	120.140	
675.0	675.0	668.8	668.8	2.3	3.1	-36.22	552.6	-404.8	685.1	679.3	5.75	119.181	
700.0	700.0	690.6	690.5	2.3	3.1	-36.26	552.3	-405.1	685.0	679.2	5.79	118.256	
708.7	708.7	697.9	697.8	2.3	3.1	-36.27	552.2	-405.2	684.9	679.1	5.81	117.960 CC	
725.0	725.0	712.6	712.5	2.4	3.1	-36.29	552.1	-405.4	685.0	679.1	5.83	117.425 ES	
750.0	750.0	736.5	736.4	2.4	3.1	-36.34	551.8	-405.9	685.0	679.2	5.87	116.614	
775.0	775.0	760.2	760.1	2.5	3.1	-36.38	551.6	-406.4	685.2	679.2	5.92	115.814	
800.0	800.0	782.0	781.9	2.5	3.1	-36.42	551.5	-406.9	685.3	679.4	5.96	115.041	
825.0	825.0	802.7	802.6	2.6	3.1	-36.46	551.4	-407.4	685.7	679.7	6.00	114.348	
850.0	850.0	825.9	825.7	2.6	3.1	-36.51	551.4	-408.2	686.1	680.1	6.04	113.673	
875.0	875.0	851.1	851.0	2.6	3.2	-36.57	551.3	-409.0	686.6	680.5	6.08	112.998	
900.0	900.0	876.1	875.9	2.7	3.2	-36.63	551.3	-409.8	687.1	681.0	6.12	112.321	
925.0	925.0	901.8	901.7	2.7	3.2	-36.69	551.3	-410.7	687.6	681.4	6.16	111.671	
950.0	950.0	927.8	927.6	2.8	3.2	-36.76	551.1	-411.6	688.0	681.8	6.20	111.011	
975.0	975.0	952.8	952.6	2.8	3.2	-36.82	551.0	-412.5	688.4	682.2	6.24	110.353	
1,000.0	1,000.0	977.7	977.4	2.9	3.2	-36.89	550.8	-413.4	688.8	682.5	6.28	109.695	
1,025.0	1,025.0	1,001.5	1,001.2	2.9	3.2	-36.96	550.7	-414.3	689.3	682.9	6.32	109.074	
1,050.0	1,050.0	1,027.3	1,027.0	3.0	3.2	-37.04	550.5	-415.4	689.7	683.3	6.36	108.448	
1,075.0	1,075.0	1,052.6	1,052.3	3.0	3.2	-37.12	550.2	-416.4	690.1	683.7	6.40	107.821	
1,100.0	1,100.0	1,077.7	1,077.4	3.0	3.2	-37.20	550.0	-417.4	690.6	684.1	6.44	107.195	
1,125.0	1,125.0	1,102.0	1,101.7	3.1	3.2	-37.28	549.7	-418.5	691.0	684.5	6.48	106.599	
1,150.0	1,150.0	1,128.0	1,127.6	3.1	3.3	-37.37	549.4	-419.7	691.4	684.9	6.52	105.998	
1,175.0	1,175.0	1,152.0	1,151.6	3.2	3.3	-37.46	549.1	-420.7	691.8	685.3	6.56	105.407	
1,200.0	1,200.0	1,176.4	1,176.0	3.2	3.3	-37.54	548.8	-421.8	692.3	685.7	6.60	104.821	
1,225.0	1,225.0	1,201.5	1,201.1	3.2	3.3	-37.64	548.5	-423.0	692.8	686.1	6.64	104.256	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,250.0	1,250.0	1,226.1	1,225.6	3.3	3.3	-37.73	548.2	-424.1	693.2	686.6	6.69	103.697	
1,275.0	1,275.0	1,251.1	1,250.6	3.3	3.3	-37.82	547.9	-425.3	693.7	687.0	6.73	103.140	
1,300.0	1,300.0	1,276.0	1,275.5	3.4	3.3	-37.91	547.6	-426.5	694.2	687.4	6.77	102.586	
1,325.0	1,325.0	1,301.6	1,301.0	3.4	3.3	-38.01	547.3	-427.7	694.7	687.9	6.81	102.047	
1,350.0	1,350.0	1,326.3	1,325.8	3.4	3.4	-38.10	547.0	-428.8	695.2	688.3	6.85	101.514	
1,375.0	1,375.0	1,355.0	1,354.4	3.5	3.4	-38.19	546.6	-430.0	695.6	688.7	6.89	100.959	
1,400.0	1,400.0	1,383.9	1,383.2	3.5	3.4	-38.27	546.3	-430.9	695.8	688.9	6.93	100.383	
1,425.0	1,425.0	1,408.9	1,408.2	3.6	3.4	-38.33	546.0	-431.6	696.0	689.1	6.97	99.829	
1,450.0	1,450.0	1,433.9	1,433.3	3.6	3.4	-38.38	545.7	-432.3	696.2	689.2	7.01	99.278	
1,475.0	1,475.0	1,457.9	1,457.2	3.6	3.4	-38.44	545.5	-433.0	696.5	689.4	7.05	98.737	
1,500.0	1,500.0	1,480.9	1,480.3	3.7	3.4	-38.49	545.3	-433.6	696.7	689.6	7.09	98.210	
1,525.0	1,525.0	1,504.2	1,503.5	3.7	3.5	-38.54	545.2	-434.3	697.1	690.0	7.13	97.709	
1,550.0	1,550.0	1,529.0	1,528.3	3.8	3.5	-38.60	545.0	-435.1	697.5	690.3	7.17	97.208	
1,575.0	1,575.0	1,554.3	1,553.5	3.8	3.5	-38.65	544.9	-435.8	697.8	690.6	7.22	96.709	
1,600.0	1,600.0	1,578.8	1,578.1	3.8	3.5	-38.71	544.8	-436.6	698.2	691.0	7.26	96.216	
1,625.0	1,625.0	1,603.0	1,602.2	3.9	3.5	-38.76	544.7	-437.4	698.6	691.3	7.30	95.740	
1,650.0	1,650.0	1,629.7	1,629.0	3.9	3.5	-38.81	544.7	-438.1	699.0	691.7	7.34	95.253	
1,675.0	1,675.0	1,656.9	1,656.2	3.9	3.5	-38.82	544.8	-438.4	699.3	692.0	7.38	94.750	
1,700.0	1,700.0	1,682.4	1,681.7	4.0	3.5	-38.81	545.1	-438.5	699.6	692.2	7.42	94.247	
1,725.0	1,725.0	1,707.2	1,706.5	4.0	3.5	-38.81	545.4	-438.6	699.9	692.4	7.46	93.757	
1,750.0	1,750.0	1,731.9	1,731.1	4.1	3.5	-38.80	545.6	-438.7	700.1	692.6	7.51	93.270	
1,775.0	1,775.0	1,756.3	1,755.6	4.1	3.6	-38.80	545.9	-438.8	700.4	692.9	7.55	92.787	
1,800.0	1,800.0	1,780.9	1,780.1	4.1	3.6	-38.79	546.1	-439.0	700.7	693.2	7.59	92.307	
1,825.0	1,825.0	1,804.6	1,803.8	4.2	3.6	-38.79	546.4	-439.2	701.1	693.5	7.63	91.846	
1,850.0	1,850.0	1,828.5	1,827.8	4.2	3.6	-38.80	546.6	-439.5	701.5	693.8	7.68	91.390	
1,875.0	1,875.0	1,851.6	1,850.8	4.2	3.6	-38.81	546.8	-439.9	701.9	694.2	7.72	90.950	
1,900.0	1,900.0	1,875.0	1,874.2	4.3	3.6	-38.83	547.0	-440.3	702.4	694.6	7.76	90.519	
1,925.0	1,925.0	1,899.7	1,898.9	4.3	3.6	-38.85	547.3	-440.9	702.9	695.1	7.80	90.095	
1,950.0	1,950.0	1,924.9	1,924.2	4.3	3.6	-38.88	547.5	-441.5	703.5	695.6	7.84	89.672	
1,975.0	1,975.0	1,949.7	1,948.9	4.4	3.6	-38.90	547.7	-442.0	704.0	696.1	7.89	89.252	
2,000.0	2,000.0	1,976.0	1,975.2	4.4	3.7	-38.93	548.0	-442.6	704.5	696.6	7.93	88.825	
2,025.0	2,025.0	2,003.3	2,002.5	4.4	3.7	-93.95	548.2	-443.1	705.0	697.0	7.97	88.452	
2,050.0	2,050.0	2,033.1	2,032.3	4.5	3.7	-93.98	548.3	-443.5	705.3	697.3	8.01	88.054	
2,075.0	2,075.0	2,062.8	2,062.0	4.5	3.7	-94.00	548.5	-443.6	705.5	697.4	8.05	87.648	
2,100.0	2,100.0	2,090.1	2,089.3	4.5	3.7	-94.03	548.6	-443.5	705.5	697.4	8.09	87.262	
2,125.0	2,125.0	2,116.4	2,115.6	4.6	3.7	-94.05	548.7	-443.3	705.5	697.4	8.14	86.693	
2,150.0	2,150.0	2,141.4	2,140.6	4.6	3.7	-94.07	548.9	-443.0	705.5	697.3	8.19	86.138	
2,175.0	2,175.0	2,166.6	2,165.8	4.6	3.7	-94.10	549.0	-442.7	705.5	697.2	8.24	85.596	
2,200.0	2,200.0	2,193.1	2,192.3	4.7	3.7	-94.14	549.2	-442.3	705.5	697.2	8.29	85.060	
2,225.0	2,224.9	2,220.7	2,219.9	4.7	3.7	-94.18	549.4	-441.8	705.4	697.0	8.35	84.519	
2,250.0	2,249.9	2,250.1	2,249.3	4.8	3.7	-94.23	549.6	-441.1	705.2	696.8	8.40	83.977	
2,275.0	2,274.9	2,281.0	2,280.2	4.8	3.7	-94.28	549.6	-440.1	704.8	696.3	8.45	83.428	
2,300.0	2,299.9	2,310.6	2,309.7	4.9	3.7	-94.33	549.6	-438.9	704.2	695.7	8.50	82.874	
2,325.0	2,324.8	2,341.3	2,340.4	4.9	3.7	-94.38	549.5	-437.4	703.5	694.9	8.55	82.297	
2,350.0	2,349.8	2,372.7	2,371.8	4.9	3.7	-94.43	549.3	-435.5	702.5	693.9	8.60	81.708	
2,375.0	2,374.7	2,400.6	2,399.5	5.0	3.7	-94.48	549.1	-433.6	701.4	692.8	8.65	81.112	
2,400.0	2,399.7	2,427.9	2,426.8	5.0	3.7	-94.53	548.9	-431.6	700.2	691.5	8.70	80.518	
2,425.0	2,424.6	2,452.7	2,451.5	5.1	3.7	-94.59	548.6	-429.8	699.0	690.3	8.75	79.915	
2,450.0	2,449.5	2,475.0	2,473.8	5.1	3.7	-94.64	548.4	-428.2	697.8	689.0	8.80	79.325	
2,475.0	2,474.5	2,495.2	2,493.9	5.2	3.7	-94.71	548.3	-426.8	696.7	687.9	8.85	78.765	
2,500.0	2,499.4	2,511.4	2,510.1	5.2	3.7	-94.78	548.2	-425.9	696.0	687.1	8.89	78.253	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,524.7	2,523.9	2,525.0	2,523.7	5.3	3.7	-99.62	548.2	-425.4	695.6	686.7	8.96	77.644	
2,525.0	2,524.3	2,525.0	2,523.7	5.3	3.7	-99.68	548.2	-425.4	695.6	686.7	8.96	77.637	
2,550.0	2,549.2	2,545.8	2,544.5	5.4	3.7	-104.16	548.2	-424.9	695.8	686.7	9.03	77.073	
2,575.0	2,574.0	2,567.2	2,565.9	5.4	3.7	-108.22	548.3	-424.6	696.3	687.2	9.10	76.560	
2,600.0	2,598.9	2,591.1	2,589.8	5.5	3.7	-111.89	548.4	-424.4	697.1	688.0	9.16	76.081	
2,625.0	2,623.7	2,615.7	2,614.4	5.5	3.7	-115.19	548.5	-424.1	698.2	689.0	9.23	75.680	
2,650.0	2,648.6	2,640.3	2,639.0	5.6	3.7	-118.17	548.6	-423.9	699.5	690.2	9.29	75.307	
2,675.0	2,673.4	2,665.4	2,664.1	5.7	3.7	-120.86	548.7	-423.7	701.0	691.6	9.35	74.961	
2,700.0	2,698.2	2,690.4	2,689.1	5.7	3.7	-123.29	548.9	-423.4	702.6	693.2	9.41	74.640	
2,717.4	2,715.4	2,707.6	2,706.2	5.7	3.7	-124.85	549.0	-423.3	703.9	694.5	9.43	74.643	
2,725.0	2,722.9	2,715.0	2,713.7	5.7	3.7	-124.92	549.0	-423.2	704.5	695.1	9.45	74.573	
2,750.0	2,747.7	2,739.5	2,738.1	5.8	3.7	-125.13	549.1	-423.0	706.5	697.0	9.50	74.346	
2,775.0	2,772.4	2,764.5	2,763.1	5.9	3.7	-125.34	549.2	-422.8	708.4	698.9	9.56	74.120	
2,800.0	2,797.2	2,789.7	2,788.4	5.9	3.7	-125.55	549.3	-422.6	710.4	700.8	9.61	73.894	
2,825.0	2,822.0	2,814.5	2,813.2	6.0	3.7	-125.76	549.4	-422.4	712.4	702.7	9.67	73.641	
2,850.0	2,846.7	2,839.3	2,837.9	6.0	3.7	-125.97	549.5	-422.2	714.3	704.6	9.73	73.389	
2,875.0	2,871.5	2,862.9	2,861.5	6.1	3.7	-126.17	549.5	-422.0	716.3	706.5	9.79	73.141	
2,900.0	2,896.2	2,886.6	2,885.3	6.2	3.7	-126.37	549.7	-421.8	718.4	708.5	9.85	72.898	
2,925.0	2,921.0	2,911.7	2,910.3	6.3	3.7	-126.57	549.8	-421.7	720.5	710.5	9.92	72.635	
2,950.0	2,945.7	2,936.8	2,935.5	6.3	3.7	-126.78	550.0	-421.5	722.5	712.6	9.98	72.371	
2,975.0	2,970.5	2,961.6	2,960.3	6.4	3.7	-126.99	550.1	-421.3	724.6	714.6	10.05	72.108	
3,000.0	2,995.2	2,986.0	2,984.6	6.5	3.7	-127.19	550.2	-421.2	726.7	716.6	10.11	71.849	
3,025.0	3,020.0	3,010.6	3,009.3	6.6	3.7	-127.39	550.3	-421.0	728.8	718.6	10.18	71.574	
3,050.0	3,044.8	3,035.6	3,034.3	6.6	3.7	-127.59	550.4	-420.9	730.9	720.7	10.25	71.299	
3,075.0	3,069.5	3,060.5	3,059.2	6.7	3.7	-127.79	550.6	-420.7	733.0	722.7	10.32	71.025	
3,100.0	3,094.3	3,084.9	3,083.6	6.8	3.7	-127.98	550.7	-420.6	735.2	724.8	10.39	70.753	
3,125.0	3,119.0	3,108.9	3,107.5	6.9	3.7	-128.17	550.9	-420.4	737.3	726.9	10.46	70.472	
3,150.0	3,143.8	3,133.5	3,132.2	7.0	3.7	-128.36	551.0	-420.3	739.5	729.0	10.54	70.191	
3,175.0	3,168.5	3,158.8	3,157.4	7.1	3.7	-128.56	551.1	-420.2	741.7	731.1	10.61	69.908	
3,200.0	3,193.3	3,183.7	3,182.3	7.1	3.7	-128.76	551.3	-420.1	743.9	733.2	10.68	69.626	
3,225.0	3,218.1	3,208.1	3,206.7	7.2	3.7	-128.95	551.4	-419.9	746.1	735.3	10.76	69.336	
3,250.0	3,242.8	3,233.2	3,231.8	7.3	3.8	-129.15	551.5	-419.8	748.3	737.5	10.84	69.045	
3,275.0	3,267.6	3,257.9	3,256.5	7.4	3.8	-129.34	551.6	-419.7	750.5	739.6	10.92	68.755	
3,300.0	3,292.3	3,282.2	3,280.9	7.5	3.8	-129.53	551.8	-419.6	752.8	741.8	10.99	68.470	
3,325.0	3,317.1	3,307.6	3,306.3	7.6	3.8	-129.72	551.9	-419.5	755.0	743.9	11.08	68.170	
3,350.0	3,341.8	3,331.8	3,330.5	7.7	3.8	-129.91	552.0	-419.4	757.2	746.1	11.16	67.876	
3,375.0	3,366.6	3,355.9	3,354.6	7.8	3.8	-130.09	552.1	-419.3	759.5	748.3	11.24	67.586	
3,400.0	3,391.4	3,380.7	3,379.4	7.9	3.8	-130.28	552.2	-419.2	761.8	750.5	11.32	67.294	
3,425.0	3,416.1	3,406.3	3,405.0	8.0	3.8	-130.47	552.4	-419.1	764.1	752.7	11.41	66.992	
3,450.0	3,440.9	3,431.6	3,430.2	8.0	3.8	-130.66	552.5	-419.0	766.4	754.9	11.49	66.691	
3,475.0	3,465.6	3,456.3	3,454.9	8.1	3.8	-130.84	552.6	-418.9	768.6	757.1	11.58	66.395	
3,500.0	3,490.4	3,480.7	3,479.3	8.2	3.8	-131.02	552.7	-418.8	770.9	759.3	11.66	66.101	
3,525.0	3,515.1	3,505.9	3,504.5	8.3	3.9	-131.21	552.8	-418.7	773.2	761.5	11.75	65.798	
3,550.0	3,539.9	3,530.7	3,529.3	8.4	3.9	-131.40	552.9	-418.6	775.5	763.7	11.84	65.497	
3,575.0	3,564.7	3,554.1	3,552.7	8.5	3.9	-131.57	552.9	-418.6	777.8	765.9	11.93	65.206	
3,600.0	3,589.4	3,578.8	3,577.4	8.6	3.9	-131.75	553.0	-418.5	780.2	768.2	12.02	64.910	
3,625.0	3,614.2	3,603.9	3,602.5	8.7	3.9	-131.94	553.1	-418.5	782.6	770.4	12.11	64.608	
3,650.0	3,638.9	3,627.9	3,626.5	8.8	3.9	-132.12	553.2	-418.5	784.9	772.7	12.21	64.311	
3,675.0	3,663.7	3,652.0	3,650.6	8.9	3.9	-132.29	553.2	-418.5	787.3	775.0	12.30	64.017	
3,700.0	3,688.4	3,677.4	3,676.1	9.0	3.9	-132.48	553.3	-418.5	789.7	777.4	12.39	63.718	
3,725.0	3,713.2	3,700.9	3,699.5	9.1	3.9	-132.65	553.4	-418.5	792.2	779.7	12.49	63.425	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,750.0	3,737.9	3,725.9	3,724.6	9.2	4.0	-132.84	553.5	-418.5	794.6	782.0	12.59	63.125	
3,775.0	3,762.7	3,750.0	3,748.6	9.3	4.0	-133.01	553.6	-418.6	797.1	784.4	12.69	62.834	
3,800.0	3,787.5	3,774.2	3,772.8	9.4	4.0	-133.18	553.7	-418.6	799.6	786.8	12.78	62.546	
3,825.0	3,812.2	3,798.6	3,797.2	9.5	4.0	-133.36	553.8	-418.7	802.1	789.2	12.88	62.253	
3,850.0	3,837.0	3,821.9	3,820.5	9.6	4.0	-133.53	553.9	-418.8	804.7	791.7	12.98	61.971	
3,875.0	3,861.7	3,845.8	3,844.4	9.7	4.0	-133.70	554.0	-418.9	807.3	794.2	13.09	61.690	
3,900.0	3,886.5	3,870.0	3,868.7	9.8	4.0	-133.87	554.2	-419.0	809.9	796.7	13.19	61.410	
3,925.0	3,911.2	3,893.8	3,892.5	9.9	4.1	-134.04	554.3	-419.2	812.5	799.2	13.29	61.132	
3,950.0	3,936.0	3,918.5	3,917.2	10.0	4.1	-134.21	554.5	-419.3	815.2	801.8	13.40	60.853	
3,975.0	3,960.8	3,942.4	3,941.0	10.1	4.1	-134.37	554.7	-419.5	817.9	804.4	13.50	60.582	
4,000.0	3,985.5	3,967.0	3,965.7	10.2	4.1	-134.54	554.9	-419.6	820.6	807.0	13.61	60.309	
4,025.0	4,010.3	3,991.4	3,990.0	10.3	4.1	-134.71	555.1	-419.8	823.4	809.6	13.71	60.037	
4,050.0	4,035.0	4,015.5	4,014.1	10.4	4.1	-134.87	555.3	-420.0	826.1	812.3	13.82	59.770	
4,075.0	4,059.8	4,040.2	4,038.8	10.5	4.2	-135.04	555.5	-420.2	828.9	815.0	13.93	59.502	
4,100.0	4,084.5	4,066.2	4,064.8	10.6	4.2	-135.21	555.8	-420.4	831.6	817.6	14.04	59.227	
4,125.0	4,109.3	4,090.1	4,088.7	10.7	4.2	-135.37	555.9	-420.6	834.4	820.2	14.15	58.961	
4,150.0	4,134.1	4,114.6	4,113.2	10.8	4.2	-135.54	556.0	-420.9	837.2	822.9	14.26	58.696	
4,175.0	4,158.8	4,138.5	4,137.1	10.9	4.2	-135.71	556.2	-421.2	840.0	825.6	14.37	58.436	
4,200.0	4,183.6	4,162.5	4,161.1	11.0	4.2	-135.87	556.3	-421.4	842.8	828.3	14.49	58.181	
4,225.0	4,208.3	4,187.3	4,185.9	11.1	4.3	-136.04	556.5	-421.7	845.7	831.1	14.60	57.920	
4,250.0	4,233.1	4,211.4	4,210.0	11.2	4.3	-136.20	556.6	-422.1	848.5	833.8	14.71	57.666	
4,275.0	4,257.8	4,235.7	4,234.3	11.3	4.3	-136.37	556.8	-422.4	851.4	836.6	14.83	57.414	
4,300.0	4,282.6	4,261.1	4,259.7	11.4	4.3	-136.54	556.9	-422.8	854.3	839.4	14.95	57.157	
4,325.0	4,307.4	4,286.6	4,285.2	11.5	4.3	-136.71	557.0	-423.1	857.2	842.1	15.06	56.937	
4,350.0	4,332.1	4,311.9	4,310.5	11.6	4.3	-136.88	557.1	-423.5	860.1	844.9	15.16	56.718	
4,365.6	4,347.6	4,328.1	4,326.7	11.6	4.4	-136.99	557.1	-423.7	861.8	846.6	15.23	56.579	
4,375.0	4,356.9	4,337.4	4,336.0	11.7	4.4	-137.06	557.1	-423.8	862.9	847.6	15.27	56.508	
4,400.0	4,381.6	4,361.9	4,360.5	11.7	4.4	-137.24	557.2	-424.1	865.7	850.3	15.37	56.317	
4,425.0	4,406.4	4,386.9	4,385.5	11.8	4.4	-137.42	557.2	-424.4	868.4	852.9	15.49	56.064	
4,450.0	4,431.2	4,413.9	4,412.5	11.9	4.4	-137.59	557.3	-424.7	871.0	855.4	15.61	55.795	
4,475.0	4,456.0	4,439.6	4,438.2	12.0	4.4	-137.75	557.4	-424.9	873.5	857.7	15.73	55.530	
4,500.0	4,480.9	4,464.1	4,462.7	12.1	4.4	-137.90	557.5	-425.1	875.9	860.0	15.85	55.272	
4,525.0	4,505.7	4,488.1	4,486.7	12.2	4.5	-138.05	557.4	-425.4	878.2	862.2	15.96	55.025	
4,550.0	4,530.5	4,512.7	4,511.3	12.3	4.5	-138.19	557.4	-425.7	880.5	864.4	16.07	54.775	
4,575.0	4,555.4	4,536.9	4,535.5	12.4	4.5	-138.33	557.4	-426.0	882.7	866.5	16.19	54.526	
4,600.0	4,580.3	4,560.7	4,559.3	12.5	4.5	-138.47	557.3	-426.3	884.8	868.5	16.30	54.280	
4,625.0	4,605.2	4,585.9	4,584.5	12.6	4.5	-138.60	557.3	-426.7	886.9	870.5	16.41	54.035	
4,650.0	4,630.1	4,609.7	4,608.3	12.7	4.5	-138.73	557.2	-427.1	888.9	872.4	16.52	53.796	
4,675.0	4,655.0	4,630.1	4,628.7	12.8	4.6	-138.83	557.2	-427.4	890.9	874.3	16.63	53.582	
4,700.0	4,679.9	4,650.0	4,648.6	12.9	4.6	-138.93	557.2	-428.0	893.1	876.3	16.73	53.382	
4,725.0	4,704.8	4,661.8	4,660.3	13.0	4.6	-139.00	557.3	-428.4	895.3	878.5	16.81	53.261	
4,750.0	4,729.7	4,678.3	4,676.8	13.1	4.6	-139.08	557.6	-429.1	897.8	880.9	16.90	53.124	
4,775.0	4,754.7	4,702.1	4,700.6	13.2	4.6	-139.18	558.0	-430.1	900.3	883.3	17.01	52.941	
4,800.0	4,779.6	4,726.8	4,725.3	13.3	4.6	-139.28	558.4	-431.3	902.8	885.7	17.11	52.751	
4,825.0	4,804.6	4,752.1	4,750.5	13.4	4.7	-139.38	558.9	-432.4	905.1	887.9	17.22	52.569	
4,850.0	4,829.5	4,777.9	4,776.3	13.4	4.7	-139.47	559.3	-433.6	907.4	890.1	17.32	52.379	
4,875.0	4,854.5	4,802.4	4,800.8	13.5	4.7	-139.56	559.7	-434.7	909.6	892.1	17.43	52.197	
4,900.0	4,879.5	4,828.7	4,827.1	13.6	4.7	-139.65	560.1	-435.9	911.6	894.1	17.53	52.000	
4,925.0	4,904.4	4,853.4	4,851.8	13.7	4.7	-139.72	560.5	-437.0	913.6	896.0	17.63	51.828	
4,950.0	4,929.4	4,878.8	4,877.1	13.8	4.8	-139.79	560.9	-438.1	915.5	897.8	17.73	51.650	
4,975.0	4,954.4	4,904.4	4,902.7	13.9	4.8	-139.86	561.3	-439.2	917.3	899.5	17.82	51.468	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,000.0	4,979.4	4,929.2	4,927.5	13.9	4.8	-139.92	561.7	-440.3	919.0	901.1	17.92	51.289	
5,025.0	5,004.4	4,952.7	4,950.9	14.0	4.8	-139.98	562.0	-441.4	920.7	902.7	18.00	51.143	
5,050.0	5,029.4	4,978.9	4,977.1	14.1	4.8	-140.04	562.4	-442.6	922.2	904.1	18.09	50.976	
5,075.0	5,054.4	5,006.1	5,004.3	14.1	4.9	-140.09	562.6	-443.8	923.7	905.5	18.18	50.796	
5,100.0	5,079.4	5,031.0	5,029.1	14.2	4.9	-140.15	562.8	-445.0	925.0	906.7	18.27	50.628	
5,125.0	5,104.4	5,055.9	5,054.0	14.2	4.9	-140.19	563.0	-446.1	926.2	907.9	18.32	50.557	
5,150.0	5,129.4	5,081.8	5,079.9	14.3	4.9	-140.24	563.1	-447.3	927.4	909.0	18.37	50.475	
5,165.6	5,145.0	5,097.4	5,095.4	14.3	4.9	-56.40	563.2	-448.1	928.0	909.6	18.40	50.426	
5,175.0	5,154.4	5,106.5	5,104.6	14.3	5.0	-56.41	563.2	-448.5	928.4	910.0	18.41	50.426	
5,200.0	5,179.4	5,131.2	5,129.2	14.3	5.0	-56.44	563.4	-449.6	929.5	911.0	18.43	50.425	
5,225.0	5,204.4	5,157.2	5,155.2	14.3	5.0	-56.48	563.5	-450.9	930.5	912.0	18.47	50.374	
5,250.0	5,229.4	5,183.5	5,181.5	14.3	5.0	-56.51	563.6	-452.1	931.5	913.0	18.51	50.320	
5,275.0	5,254.4	5,210.7	5,208.6	14.3	5.0	-56.55	563.6	-453.3	932.5	913.9	18.55	50.258	
5,300.0	5,279.4	5,236.5	5,234.4	14.4	5.1	-56.59	563.6	-454.4	933.4	914.8	18.59	50.202	
5,325.0	5,304.4	5,262.2	5,260.1	14.4	5.1	-56.63	563.6	-455.6	934.3	915.7	18.63	50.146	
5,350.0	5,329.4	5,289.6	5,287.5	14.4	5.1	-56.67	563.5	-456.7	935.2	916.5	18.67	50.078	
5,375.0	5,354.4	5,315.4	5,313.2	14.4	5.1	-56.71	563.4	-457.8	936.0	917.2	18.71	50.017	
5,400.0	5,379.4	5,341.0	5,338.9	14.4	5.2	-56.75	563.4	-458.8	936.8	918.0	18.75	49.957	
5,425.0	5,404.4	5,366.9	5,364.7	14.4	5.2	-56.79	563.3	-459.8	937.5	918.7	18.79	49.895	
5,450.0	5,429.4	5,392.9	5,390.7	14.4	5.2	-56.83	563.2	-460.8	938.3	919.5	18.83	49.831	
5,475.0	5,454.4	5,418.0	5,415.7	14.5	5.2	-56.87	563.1	-461.8	939.0	920.2	18.87	49.771	
5,500.0	5,479.4	5,443.2	5,441.0	14.5	5.2	-56.90	562.9	-462.8	939.8	920.8	18.90	49.711	
5,525.0	5,504.4	5,466.7	5,464.4	14.5	5.3	-56.94	562.8	-463.7	940.5	921.6	18.94	49.662	
5,550.0	5,529.4	5,493.7	5,491.4	14.5	5.3	-56.98	562.7	-464.7	941.3	922.3	18.98	49.593	
5,575.0	5,554.4	5,518.0	5,515.7	14.5	5.3	-57.02	562.6	-465.6	942.0	923.0	19.02	49.537	
5,600.0	5,579.4	5,543.4	5,541.1	14.5	5.3	-57.06	562.5	-466.6	942.7	923.7	19.05	49.477	
5,625.0	5,604.4	5,571.2	5,568.8	14.5	5.4	-57.10	562.3	-467.6	943.4	924.3	19.10	49.401	
5,650.0	5,629.4	5,596.1	5,593.8	14.6	5.4	-57.14	562.1	-468.5	944.0	924.9	19.13	49.339	
5,675.0	5,654.4	5,621.7	5,619.3	14.6	5.4	-57.18	561.9	-469.4	944.7	925.5	19.17	49.274	
5,700.0	5,679.4	5,648.8	5,646.4	14.6	5.4	-57.22	561.7	-470.4	945.3	926.1	19.21	49.199	
5,725.0	5,704.4	5,672.5	5,670.1	14.6	5.4	-57.26	561.4	-471.2	945.9	926.6	19.25	49.142	
5,750.0	5,729.4	5,699.1	5,696.7	14.6	5.5	-57.30	561.2	-472.1	946.5	927.2	19.29	49.069	
5,775.0	5,754.4	5,723.6	5,721.2	14.6	5.5	-57.34	560.9	-472.9	947.1	927.7	19.33	49.007	
5,800.0	5,779.4	5,747.2	5,744.8	14.6	5.5	-57.38	560.6	-473.8	947.7	928.3	19.36	48.951	
5,825.0	5,804.4	5,774.0	5,771.5	14.6	5.5	-57.43	560.4	-474.7	948.3	928.9	19.40	48.878	
5,850.0	5,829.4	5,798.4	5,795.9	14.7	5.5	-57.47	560.1	-475.6	948.9	929.4	19.44	48.817	
5,875.0	5,854.4	5,828.9	5,826.4	14.7	5.6	-57.53	559.7	-476.6	949.4	929.9	19.49	48.722	
5,900.0	5,879.4	5,853.4	5,850.9	14.7	5.6	-57.57	559.3	-477.4	949.8	930.3	19.52	48.655	
5,925.0	5,904.4	5,877.8	5,875.3	14.7	5.6	-57.61	558.9	-478.1	950.3	930.7	19.56	48.590	
5,950.0	5,929.4	5,903.3	5,900.8	14.7	5.6	-57.66	558.5	-478.9	950.8	931.2	19.60	48.520	
5,975.0	5,954.4	5,928.5	5,925.9	14.7	5.7	-57.70	558.1	-479.7	951.2	931.6	19.63	48.451	
6,000.0	5,979.4	5,953.8	5,951.3	14.7	5.7	-57.75	557.7	-480.6	951.7	932.0	19.67	48.381	
6,025.0	6,004.4	5,980.4	5,977.8	14.8	5.7	-57.80	557.3	-481.4	952.1	932.4	19.71	48.303	
6,050.0	6,029.4	6,003.5	6,000.9	14.8	5.7	-57.84	556.9	-482.1	952.5	932.8	19.74	48.245	
6,075.0	6,054.4	6,030.2	6,027.5	14.8	5.7	-57.89	556.5	-482.9	953.0	933.2	19.78	48.168	
6,100.0	6,079.4	6,054.2	6,051.5	14.8	5.8	-57.94	556.0	-483.6	953.4	933.6	19.82	48.104	
6,125.0	6,104.4	6,080.5	6,077.8	14.8	5.8	-57.99	555.6	-484.5	953.8	934.0	19.86	48.029	
6,150.0	6,129.4	6,106.0	6,103.3	14.8	5.8	-58.03	555.1	-485.2	954.2	934.3	19.90	47.958	
6,175.0	6,154.4	6,130.9	6,128.2	14.8	5.8	-58.08	554.7	-486.0	954.6	934.7	19.93	47.889	
6,200.0	6,179.4	6,155.3	6,152.6	14.9	5.9	-58.13	554.2	-486.7	955.0	935.1	19.97	47.824	
6,225.0	6,204.4	6,181.5	6,178.7	14.9	5.9	-58.18	553.7	-487.5	955.4	935.4	20.01	47.749	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,250.0	6,229.4	6,207.2	6,204.5	14.9	5.9	-58.23	553.2	-488.3	955.8	935.7	20.05	47.676	
6,275.0	6,254.4	6,233.1	6,230.4	14.9	5.9	-58.27	552.8	-489.0	956.1	936.1	20.09	47.603	
6,300.0	6,279.4	6,258.9	6,256.2	14.9	5.9	-58.32	552.3	-489.7	956.5	936.3	20.12	47.529	
6,325.0	6,304.4	6,283.6	6,280.8	14.9	6.0	-58.36	551.8	-490.3	956.8	936.6	20.16	47.461	
6,350.0	6,329.4	6,308.8	6,306.0	14.9	6.0	-58.41	551.4	-491.0	957.1	936.9	20.20	47.390	
6,375.0	6,354.4	6,332.0	6,329.2	15.0	6.0	-58.45	550.9	-491.7	957.5	937.2	20.23	47.329	
6,400.0	6,379.4	6,350.0	6,347.2	15.0	6.0	-58.48	550.6	-492.2	957.9	937.6	20.25	47.296	
6,425.0	6,404.4	6,368.4	6,365.5	15.0	6.0	-58.52	550.4	-492.8	958.5	938.2	20.28	47.268	
6,450.0	6,429.4	6,386.8	6,383.9	15.0	6.1	-58.54	550.3	-493.6	959.3	939.0	20.30	47.249	
6,475.0	6,454.4	6,408.8	6,405.9	15.0	6.1	-58.57	550.3	-494.6	960.3	939.9	20.34	47.220	
6,500.0	6,479.4	6,435.1	6,432.2	15.0	6.1	-58.61	550.3	-495.8	961.2	940.9	20.38	47.171	
6,525.0	6,504.4	6,460.9	6,458.0	15.0	6.1	-58.65	550.3	-496.9	962.2	941.7	20.42	47.123	
6,550.0	6,529.4	6,486.5	6,483.5	15.1	6.2	-58.68	550.3	-498.0	963.1	942.6	20.46	47.075	
6,575.0	6,554.4	6,511.6	6,508.6	15.1	6.2	-58.71	550.3	-499.0	964.0	943.5	20.50	47.030	
6,600.0	6,579.4	6,536.8	6,533.8	15.1	6.2	-58.75	550.3	-500.1	964.9	944.3	20.54	46.983	
6,625.0	6,604.4	6,562.3	6,559.3	15.1	6.2	-58.78	550.3	-501.2	965.8	945.2	20.58	46.935	
6,650.0	6,629.4	6,587.7	6,584.7	15.1	6.3	-58.81	550.2	-502.3	966.6	946.0	20.62	46.887	
6,675.0	6,654.4	6,613.1	6,610.0	15.1	6.3	-58.85	550.2	-503.3	967.5	946.8	20.66	46.838	
6,700.0	6,679.4	6,639.5	6,636.4	15.1	6.3	-58.89	550.0	-504.4	968.4	947.7	20.70	46.784	
6,725.0	6,704.4	6,665.6	6,662.5	15.2	6.3	-58.93	549.9	-505.5	969.2	948.4	20.74	46.730	
6,750.0	6,729.4	6,690.4	6,687.3	15.2	6.4	-58.97	549.7	-506.5	970.0	949.2	20.78	46.681	
6,775.0	6,754.4	6,712.7	6,709.6	15.2	6.4	-59.01	549.6	-507.5	970.8	950.0	20.81	46.643	
6,800.0	6,779.4	6,725.0	6,721.8	15.2	6.4	-59.02	549.6	-508.0	971.7	950.9	20.83	46.657	
6,825.0	6,804.4	6,742.3	6,739.1	15.2	6.4	-59.03	549.8	-508.8	972.9	952.1	20.85	46.661	
6,850.0	6,829.4	6,757.3	6,754.1	15.2	6.4	-59.03	550.3	-509.6	974.5	953.6	20.87	46.693	
6,875.0	6,854.4	6,777.8	6,774.6	15.2	6.5	-59.02	551.2	-510.7	976.2	955.3	20.90	46.713	
6,900.0	6,879.4	6,803.8	6,800.5	15.3	6.5	-59.01	552.4	-512.1	977.9	957.0	20.94	46.713	
6,925.0	6,904.4	6,828.4	6,825.1	15.3	6.5	-58.99	553.4	-513.5	979.7	958.7	20.97	46.717	
6,950.0	6,929.4	6,856.9	6,853.5	15.3	6.5	-58.98	554.6	-515.0	981.4	960.4	21.01	46.704	
6,975.0	6,954.4	6,885.0	6,881.5	15.3	6.6	-58.98	555.6	-516.5	983.0	961.9	21.06	46.687	
7,000.0	6,979.4	6,911.1	6,907.6	15.3	6.6	-58.98	556.5	-517.9	984.6	963.5	21.09	46.674	
7,025.0	7,004.4	6,937.7	6,934.1	15.3	6.6	-58.98	557.2	-519.3	986.1	964.9	21.14	46.656	
7,050.0	7,029.4	6,964.1	6,960.4	15.3	6.6	-58.99	557.9	-520.8	987.6	966.4	21.18	46.636	
7,075.0	7,054.4	6,991.0	6,987.3	15.4	6.7	-59.00	558.5	-522.2	989.0	967.8	21.22	46.611	
7,100.0	7,079.4	7,016.4	7,012.6	15.4	6.7	-59.02	559.1	-523.5	990.4	969.2	21.26	46.590	
7,125.0	7,104.4	7,040.3	7,036.5	15.4	6.7	-59.03	559.5	-524.9	991.8	970.5	21.30	46.574	
7,150.0	7,129.4	7,065.4	7,061.5	15.4	6.8	-59.06	559.9	-526.3	993.3	971.9	21.34	46.553	
7,175.0	7,154.4	7,089.8	7,085.9	15.4	6.8	-59.09	560.2	-527.8	994.7	973.3	21.38	46.534	
7,200.0	7,179.4	7,111.3	7,107.4	15.4	6.8	-59.12	560.4	-529.1	996.2	974.8	21.41	46.527	
7,225.0	7,204.4	7,132.6	7,128.6	15.4	6.8	-59.15	560.6	-530.6	997.8	976.3	21.45	46.526	
7,250.0	7,229.4	7,156.7	7,152.7	15.5	6.9	-59.18	560.9	-532.2	999.4	977.9	21.49	46.515 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
0.0	0.0	0.0	0.0	0.0	3.0	-24.12	762.8	-341.5	835.9				
25.0	25.0	11.5	11.5	0.5	3.0	-24.12	762.8	-341.5	835.8				
50.0	50.0	36.5	36.5	0.5	3.0	-24.12	762.8	-341.5	835.8	831.0	4.73	176.868	
75.0	75.0	61.5	61.5	0.5	3.0	-24.12	762.8	-341.5	835.8	831.0	4.73	176.863	
100.0	100.0	86.5	86.5	0.5	3.0	-24.12	762.8	-341.5	835.8	831.0	4.73	176.856	
125.0	125.0	111.5	111.5	0.6	3.0	-24.12	762.8	-341.5	835.8	831.0	4.76	175.594	
150.0	150.0	136.5	136.5	0.8	3.0	-24.12	762.8	-341.5	835.8	831.0	4.80	174.074	
175.0	175.0	161.5	161.5	0.9	3.0	-24.12	762.8	-341.5	835.8	830.9	4.85	172.323	
200.0	200.0	186.5	186.5	1.0	3.0	-24.12	762.8	-341.5	835.8	830.8	4.91	170.364	
225.0	225.0	211.5	211.5	1.1	3.0	-24.12	762.8	-341.5	835.8	830.8	4.95	168.936	
250.0	250.0	236.5	236.5	1.2	3.0	-24.12	762.8	-341.5	835.8	830.8	4.99	167.428	
275.0	275.0	261.5	261.5	1.3	3.0	-24.12	762.8	-341.5	835.8	830.7	5.04	165.848	
300.0	300.0	286.5	286.5	1.4	3.0	-24.12	762.8	-341.5	835.8	830.7	5.09	164.204	
325.0	325.0	311.5	311.5	1.4	3.0	-24.12	762.8	-341.5	835.8	830.6	5.13	162.796	
350.0	350.0	336.5	336.5	1.5	3.0	-24.12	762.8	-341.5	835.8	830.6	5.18	161.352	
375.0	375.0	361.5	361.5	1.6	3.0	-24.12	762.8	-341.5	835.8	830.5	5.23	159.876	
400.0	400.0	386.5	386.5	1.6	3.0	-24.12	762.8	-341.5	835.8	830.5	5.28	158.372	
425.0	425.0	411.5	411.5	1.7	3.0	-24.12	762.8	-341.5	835.8	830.4	5.32	157.016	
450.0	450.0	436.5	436.5	1.8	3.0	-24.12	762.8	-341.5	835.8	830.4	5.37	155.644	
475.0	475.0	461.5	461.5	1.8	3.0	-24.12	762.8	-341.5	835.8	830.3	5.42	154.256	
500.0	500.0	486.5	486.5	1.9	3.1	-24.12	762.8	-341.5	835.8	830.3	5.47	152.856	
525.0	525.0	511.5	511.5	1.9	3.1	-24.12	762.8	-341.5	835.8	830.2	5.51	151.562	
550.0	550.0	536.5	536.5	2.0	3.1	-24.12	762.8	-341.5	835.8	830.2	5.56	150.261	
575.0	575.0	561.5	561.5	2.1	3.1	-24.12	762.8	-341.5	835.8	830.1	5.61	148.954	
600.0	600.0	586.5	586.5	2.1	3.1	-24.12	762.8	-341.5	835.8	830.1	5.66	147.643	
625.0	625.0	611.5	611.5	2.2	3.1	-24.12	762.8	-341.5	835.8	830.0	5.71	146.412	
650.0	650.0	636.5	636.5	2.2	3.1	-24.12	762.8	-341.5	835.8	830.0	5.76	145.179	
675.0	675.0	661.5	661.5	2.3	3.1	-24.12	762.8	-341.5	835.8	829.9	5.81	143.947	
700.0	700.0	686.5	686.5	2.3	3.1	-24.12	762.8	-341.5	835.8	829.9	5.86	142.715	
725.0	725.0	711.5	711.5	2.4	3.1	-24.12	762.8	-341.5	835.8	829.9	5.90	141.547	
750.0	750.0	736.5	736.5	2.4	3.1	-24.12	762.8	-341.5	835.8	829.8	5.95	140.380	
775.0	775.0	761.5	761.5	2.5	3.1	-24.12	762.8	-341.5	835.8	829.8	6.00	139.217	
800.0	800.0	786.5	786.5	2.5	3.1	-24.12	762.8	-341.5	835.8	829.7	6.05	138.057	
825.0	825.0	811.5	811.5	2.6	3.2	-24.12	762.8	-341.5	835.8	829.7	6.10	136.949	
850.0	850.0	836.5	836.5	2.6	3.2	-24.12	762.8	-341.5	835.8	829.6	6.15	135.845	
875.0	875.0	861.5	861.5	2.6	3.2	-24.12	762.8	-341.5	835.8	829.6	6.20	134.747	
900.0	900.0	886.5	886.5	2.7	3.2	-24.12	762.8	-341.5	835.8	829.5	6.25	133.653	
925.0	925.0	911.5	911.5	2.7	3.2	-24.12	762.8	-341.5	835.8	829.5	6.30	132.603	
950.0	950.0	936.5	936.5	2.8	3.2	-24.12	762.8	-341.5	835.8	829.4	6.35	131.558	
975.0	975.0	961.5	961.5	2.8	3.2	-24.12	762.8	-341.5	835.8	829.4	6.40	130.519	
1,000.0	1,000.0	986.5	986.5	2.9	3.2	-24.12	762.8	-341.5	835.8	829.3	6.45	129.487	
1,025.0	1,025.0	1,011.5	1,011.5	2.9	3.3	-24.12	762.8	-341.5	835.8	829.3	6.50	128.491	
1,050.0	1,050.0	1,036.5	1,036.5	3.0	3.3	-24.12	762.8	-341.5	835.8	829.2	6.55	127.502	
1,075.0	1,075.0	1,061.5	1,061.5	3.0	3.3	-24.12	762.8	-341.5	835.8	829.1	6.61	126.519	
1,100.0	1,100.0	1,086.5	1,086.5	3.0	3.3	-24.12	762.8	-341.5	835.8	829.1	6.66	125.544	
1,125.0	1,125.0	1,111.5	1,111.5	3.1	3.3	-24.12	762.8	-341.5	835.8	829.0	6.71	124.599	
1,150.0	1,150.0	1,136.5	1,136.5	3.1	3.3	-24.12	762.8	-341.5	835.8	829.0	6.76	123.662	
1,175.0	1,175.0	1,161.5	1,161.5	3.2	3.3	-24.12	762.8	-341.5	835.8	828.9	6.81	122.731	
1,200.0	1,200.0	1,186.5	1,186.5	3.2	3.3	-24.12	762.8	-341.5	835.8	828.9	6.86	121.808	
1,225.0	1,225.0	1,211.5	1,211.5	3.2	3.4	-24.12	762.8	-341.5	835.8	828.8	6.91	120.912	
1,250.0	1,250.0	1,236.5	1,236.5	3.3	3.4	-24.12	762.8	-341.5	835.8	828.8	6.96	120.023	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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

Rule Assigned:

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	1,261.5	1,261.5	3.3	3.4	-24.12	762.8	-341.5	835.8	828.7	7.01	119.142	
1,300.0	1,300.0	1,286.5	1,286.5	3.4	3.4	-24.12	762.8	-341.5	835.8	828.7	7.07	118.268	
1,325.0	1,325.0	1,311.5	1,311.5	3.4	3.4	-24.12	762.8	-341.5	835.8	828.6	7.12	117.417	
1,350.0	1,350.0	1,336.5	1,336.5	3.4	3.4	-24.12	762.8	-341.5	835.8	828.6	7.17	116.574	
1,375.0	1,375.0	1,361.5	1,361.5	3.5	3.5	-24.12	762.8	-341.5	835.8	828.5	7.22	115.738	
1,400.0	1,400.0	1,386.5	1,386.5	3.5	3.5	-24.12	762.8	-341.5	835.8	828.5	7.27	114.909	
1,425.0	1,425.0	1,411.5	1,411.5	3.6	3.5	-24.12	762.8	-341.5	835.8	828.4	7.32	114.101	
1,450.0	1,450.0	1,436.5	1,436.5	3.6	3.5	-24.12	762.8	-341.5	835.8	828.4	7.38	113.300	
1,475.0	1,475.0	1,461.5	1,461.5	3.6	3.5	-24.12	762.8	-341.5	835.8	828.3	7.43	112.506	
1,500.0	1,500.0	1,486.5	1,486.5	3.7	3.5	-24.12	762.8	-341.5	835.8	828.3	7.48	111.720	
1,525.0	1,525.0	1,511.5	1,511.5	3.7	3.6	-24.12	762.8	-341.5	835.8	828.2	7.53	110.952	
1,550.0	1,550.0	1,536.5	1,536.5	3.8	3.6	-24.12	762.8	-341.5	835.8	828.2	7.58	110.191	
1,575.0	1,575.0	1,561.5	1,561.5	3.8	3.6	-24.12	762.8	-341.5	835.8	828.1	7.64	109.436	
1,600.0	1,600.0	1,586.5	1,586.5	3.8	3.6	-24.12	762.8	-341.5	835.8	828.1	7.69	108.689	
1,625.0	1,625.0	1,611.5	1,611.5	3.9	3.6	-24.12	762.8	-341.5	835.8	828.0	7.74	107.959	
1,650.0	1,650.0	1,636.5	1,636.5	3.9	3.6	-24.12	762.8	-341.5	835.8	828.0	7.79	107.235	
1,675.0	1,675.0	1,661.5	1,661.5	3.9	3.7	-24.12	762.8	-341.5	835.8	827.9	7.85	106.517	
1,700.0	1,700.0	1,686.5	1,686.5	4.0	3.7	-24.12	762.8	-341.5	835.8	827.9	7.90	105.807	
1,725.0	1,725.0	1,711.5	1,711.5	4.0	3.7	-24.12	762.8	-341.5	835.8	827.8	7.95	105.111	
1,750.0	1,750.0	1,736.5	1,736.5	4.1	3.7	-24.12	762.8	-341.5	835.8	827.8	8.00	104.422	
1,775.0	1,775.0	1,761.5	1,761.5	4.1	3.7	-24.12	762.8	-341.5	835.8	827.7	8.06	103.740	
1,800.0	1,800.0	1,786.5	1,786.5	4.1	3.8	-24.12	762.8	-341.5	835.8	827.6	8.11	103.063	
1,825.0	1,825.0	1,811.5	1,811.5	4.2	3.8	-24.12	762.8	-341.5	835.8	827.6	8.16	102.401	
1,850.0	1,850.0	1,836.5	1,836.5	4.2	3.8	-24.12	762.8	-341.5	835.8	827.5	8.21	101.744	
1,875.0	1,875.0	1,861.5	1,861.5	4.2	3.8	-24.12	762.8	-341.5	835.8	827.5	8.27	101.094	
1,900.0	1,900.0	1,886.5	1,886.5	4.3	3.8	-24.12	762.8	-341.5	835.8	827.4	8.32	100.449	
1,925.0	1,925.0	1,911.5	1,911.5	4.3	3.9	-24.12	762.8	-341.5	835.8	827.4	8.37	99.818	
1,950.0	1,950.0	1,936.5	1,936.5	4.3	3.9	-24.12	762.8	-341.5	835.8	827.3	8.43	99.192	
1,975.0	1,975.0	1,961.5	1,961.5	4.4	3.9	-24.12	762.8	-341.5	835.8	827.3	8.48	98.571	
2,000.0	2,000.0	1,986.5	1,986.5	4.4	3.9	-24.12	762.8	-341.5	835.8	827.2	8.53	97.957	
2,025.0	2,025.0	2,011.5	2,011.5	4.4	3.9	-79.12	762.8	-341.5	835.7	827.2	8.58	97.430	
2,050.0	2,050.0	2,036.5	2,036.5	4.5	4.0	-79.13	762.8	-341.5	835.7	827.1	8.62	96.906	
2,075.0	2,075.0	2,061.5	2,061.5	4.5	4.0	-79.15	762.8	-341.5	835.7	827.0	8.67	96.386	
2,100.0	2,100.0	2,086.5	2,086.5	4.5	4.0	-79.18	762.8	-341.5	835.6	826.9	8.72	95.871	
2,125.0	2,125.0	2,111.5	2,111.5	4.6	4.0	-79.21	762.8	-341.5	835.5	826.7	8.78	95.192	
2,150.0	2,150.0	2,136.5	2,136.5	4.6	4.1	-79.25	762.8	-341.5	835.4	826.5	8.84	94.524	
2,175.0	2,175.0	2,161.5	2,161.5	4.6	4.1	-79.30	762.8	-341.5	835.3	826.4	8.90	93.866	
2,200.0	2,200.0	2,186.5	2,186.5	4.7	4.1	-79.36	762.8	-341.5	835.1	826.1	8.96	93.218	
2,225.0	2,224.9	2,211.4	2,211.4	4.7	4.1	-79.42	762.8	-341.5	834.9	825.9	9.02	92.574	
2,250.0	2,249.9	2,236.4	2,236.4	4.8	4.1	-79.50	762.8	-341.5	834.7	825.7	9.08	91.941	
2,275.0	2,274.9	2,261.4	2,261.4	4.8	4.2	-79.57	762.8	-341.5	834.5	825.4	9.14	91.318	
2,300.0	2,299.9	2,286.4	2,286.4	4.9	4.2	-79.66	762.8	-341.5	834.3	825.1	9.20	90.706	
2,325.0	2,324.8	2,311.3	2,311.3	4.9	4.2	-79.76	762.8	-341.5	834.1	824.8	9.26	90.093	
2,350.0	2,349.8	2,336.3	2,336.3	4.9	4.2	-79.86	762.8	-341.5	833.8	824.5	9.32	89.492	
2,375.0	2,374.7	2,361.2	2,361.2	5.0	4.3	-79.97	762.8	-341.5	833.5	824.2	9.38	88.901	
2,400.0	2,399.7	2,386.2	2,386.2	5.0	4.3	-80.08	762.8	-341.5	833.2	823.8	9.43	88.322	
2,425.0	2,424.6	2,411.1	2,411.1	5.1	4.3	-80.21	762.8	-341.5	832.9	823.4	9.49	87.739	
2,450.0	2,449.5	2,436.0	2,436.0	5.1	4.3	-80.34	762.8	-341.5	832.6	823.0	9.55	87.168	
2,475.0	2,474.5	2,461.0	2,461.0	5.2	4.4	-80.48	762.8	-341.5	832.3	822.7	9.61	86.607	
2,500.0	2,499.4	2,485.9	2,485.9	5.2	4.4	-80.63	762.8	-341.5	831.9	822.2	9.67	86.057	
2,525.0	2,524.3	2,512.3	2,512.3	5.3	4.4	-85.62	762.8	-341.5	831.6	821.9	9.74	85.380	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,550.0	2,549.2	2,540.8	2,540.8	5.4	4.4	-90.15	762.8	-341.2	831.5	821.6	9.81	84.759	
2,575.0	2,574.0	2,569.4	2,569.4	5.4	4.4	-94.23	762.8	-340.7	831.3	821.5	9.88	84.171	
2,600.0	2,598.9	2,597.9	2,597.9	5.5	4.5	-97.89	762.8	-339.8	831.3	821.4	9.94	83.615	
2,602.6	2,601.5	2,600.9	2,600.9	5.5	4.5	-98.24	762.8	-339.7	831.3	821.3	9.95	83.568	
2,625.0	2,623.7	2,626.5	2,626.5	5.5	4.5	-101.16	762.8	-338.7	831.3	821.3	9.99	83.215	
2,650.0	2,648.6	2,655.2	2,655.1	5.6	4.5	-104.09	762.8	-337.3	831.4	821.4	10.04	82.838	
2,675.0	2,673.4	2,683.8	2,683.7	5.7	4.5	-106.72	762.8	-335.6	831.6	821.5	10.08	82.481	
2,700.0	2,698.2	2,712.5	2,712.3	5.7	4.5	-109.09	762.8	-333.6	831.8	821.7	10.13	82.132	
2,717.4	2,715.4	2,732.5	2,732.2	5.7	4.5	-110.60	762.8	-332.1	832.0	821.9	10.13	82.104	
2,725.0	2,722.9	2,741.2	2,740.9	5.7	4.5	-110.63	762.8	-331.4	832.1	822.0	10.15	82.021	
2,750.0	2,747.7	2,767.3	2,766.9	5.8	4.5	-110.73	762.8	-329.1	832.4	822.2	10.18	81.737	
2,775.0	2,772.4	2,792.3	2,791.8	5.9	4.5	-110.82	762.8	-326.9	832.6	822.4	10.22	81.454	
2,800.0	2,797.2	2,817.2	2,816.7	5.9	4.5	-110.91	762.8	-324.7	832.9	822.6	10.26	81.169	
2,825.0	2,822.0	2,842.2	2,841.5	6.0	4.5	-111.00	762.8	-322.6	833.1	822.8	10.30	80.865	
2,850.0	2,846.7	2,867.2	2,866.4	6.0	4.5	-111.09	762.8	-320.4	833.4	823.0	10.34	80.566	
2,875.0	2,871.5	2,892.1	2,891.3	6.1	4.6	-111.18	762.8	-318.2	833.6	823.3	10.39	80.270	
2,900.0	2,896.2	2,917.1	2,916.1	6.2	4.6	-111.27	762.8	-316.0	833.9	823.5	10.43	79.972	
2,925.0	2,921.0	2,942.1	2,941.0	6.3	4.6	-111.36	762.8	-313.9	834.2	823.7	10.47	79.664	
2,950.0	2,945.7	2,967.0	2,965.9	6.3	4.6	-111.45	762.8	-311.7	834.4	823.9	10.51	79.359	
2,975.0	2,970.5	2,992.0	2,990.7	6.4	4.6	-111.54	762.8	-309.5	834.7	824.1	10.56	79.057	
3,000.0	2,995.2	3,016.9	3,015.6	6.5	4.6	-111.63	762.8	-307.3	835.0	824.4	10.60	78.753	
3,025.0	3,020.0	3,041.9	3,040.5	6.6	4.6	-111.72	762.8	-305.2	835.2	824.6	10.65	78.441	
3,050.0	3,044.8	3,066.9	3,065.4	6.6	4.6	-111.81	762.8	-303.0	835.5	824.8	10.69	78.131	
3,075.0	3,069.5	3,091.8	3,090.2	6.7	4.6	-111.90	762.8	-300.8	835.8	825.1	10.74	77.824	
3,100.0	3,094.3	3,116.8	3,115.1	6.8	4.7	-111.99	762.8	-298.6	836.1	825.3	10.79	77.516	
3,125.0	3,119.0	3,141.8	3,140.0	6.9	4.7	-112.08	762.8	-296.5	836.4	825.5	10.83	77.200	
3,150.0	3,143.8	3,166.7	3,164.8	7.0	4.7	-112.17	762.8	-294.3	836.6	825.8	10.88	76.887	
3,175.0	3,168.5	3,191.7	3,189.7	7.1	4.7	-112.26	762.8	-292.1	836.9	826.0	10.93	76.576	
3,200.0	3,193.3	3,216.7	3,214.6	7.1	4.7	-112.35	762.8	-289.9	837.2	826.2	10.98	76.264	
3,225.0	3,218.1	3,241.6	3,239.4	7.2	4.7	-112.44	762.8	-287.8	837.5	826.5	11.03	75.946	
3,250.0	3,242.8	3,266.6	3,264.3	7.3	4.7	-112.53	762.8	-285.6	837.8	826.7	11.08	75.630	
3,275.0	3,267.6	3,291.6	3,289.2	7.4	4.7	-112.61	762.8	-283.4	838.1	827.0	11.13	75.315	
3,300.0	3,292.3	3,316.5	3,314.0	7.5	4.8	-112.70	762.8	-281.2	838.4	827.2	11.18	75.000	
3,325.0	3,317.1	3,341.5	3,338.9	7.6	4.8	-112.79	762.8	-279.0	838.7	827.4	11.23	74.680	
3,350.0	3,341.8	3,366.4	3,363.8	7.7	4.8	-112.88	762.8	-276.9	839.0	827.7	11.28	74.362	
3,375.0	3,366.6	3,391.4	3,388.7	7.8	4.8	-112.97	762.8	-274.7	839.3	827.9	11.33	74.046	
3,400.0	3,391.4	3,416.4	3,413.5	7.9	4.8	-113.06	762.8	-272.5	839.6	828.2	11.39	73.729	
3,425.0	3,416.1	3,441.3	3,438.4	8.0	4.8	-113.15	762.8	-270.3	839.9	828.4	11.44	73.407	
3,450.0	3,440.9	3,466.3	3,463.3	8.0	4.8	-113.24	762.8	-268.2	840.2	828.7	11.50	73.088	
3,475.0	3,465.6	3,491.3	3,488.1	8.1	4.9	-113.33	762.8	-266.0	840.5	828.9	11.55	72.770	
3,500.0	3,490.4	3,516.2	3,513.0	8.2	4.9	-113.42	762.8	-263.8	840.8	829.2	11.61	72.452	
3,525.0	3,515.1	3,541.2	3,537.9	8.3	4.9	-113.50	762.8	-261.6	841.1	829.5	11.66	72.130	
3,550.0	3,539.9	3,566.2	3,562.7	8.4	4.9	-113.59	762.8	-259.5	841.4	829.7	11.72	71.809	
3,575.0	3,564.7	3,591.1	3,587.6	8.5	4.9	-113.68	762.8	-257.3	841.8	830.0	11.77	71.491	
3,600.0	3,589.4	3,616.1	3,612.5	8.6	4.9	-113.77	762.8	-255.1	842.1	830.2	11.83	71.172	
3,625.0	3,614.2	3,641.0	3,637.3	8.7	4.9	-113.86	762.8	-252.9	842.4	830.5	11.89	70.851	
3,650.0	3,638.9	3,666.0	3,662.2	8.8	5.0	-113.95	762.8	-250.8	842.7	830.8	11.95	70.531	
3,675.0	3,663.7	3,691.0	3,687.1	8.9	5.0	-114.04	762.8	-248.6	843.0	831.0	12.01	70.212	
3,700.0	3,688.4	3,715.9	3,711.9	9.0	5.0	-114.12	762.8	-246.4	843.4	831.3	12.07	69.894	
3,725.0	3,713.2	3,740.9	3,736.8	9.1	5.0	-114.21	762.8	-244.2	843.7	831.6	12.13	69.573	
3,750.0	3,737.9	3,765.9	3,761.7	9.2	5.0	-114.30	762.8	-242.1	844.0	831.8	12.19	69.254	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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

Rule Assigned:

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	3,762.7	3,790.8	3,786.6	9.3	5.0	-114.39	762.8	-239.9	844.4	832.1	12.25	68.937	
3,800.0	3,787.5	3,815.8	3,811.4	9.4	5.1	-114.48	762.8	-237.7	844.7	832.4	12.31	68.619	
3,825.0	3,812.2	3,840.8	3,836.3	9.5	5.1	-114.56	762.8	-235.5	845.0	832.7	12.37	68.300	
3,850.0	3,837.0	3,865.7	3,861.2	9.6	5.1	-114.65	762.8	-233.4	845.4	832.9	12.44	67.983	
3,875.0	3,861.7	3,890.7	3,886.0	9.7	5.1	-114.74	762.8	-231.2	845.7	833.2	12.50	67.667	
3,900.0	3,886.5	3,915.7	3,910.9	9.8	5.1	-114.83	762.8	-229.0	846.1	833.5	12.56	67.351	
3,925.0	3,911.2	3,940.6	3,935.8	9.9	5.1	-114.92	762.8	-226.8	846.4	833.8	12.63	67.034	
3,950.0	3,936.0	3,965.6	3,960.6	10.0	5.2	-115.00	762.8	-224.7	846.7	834.1	12.69	66.718	
3,975.0	3,960.8	3,990.5	3,985.5	10.1	5.2	-115.09	762.8	-222.5	847.1	834.3	12.76	66.405	
4,000.0	3,985.5	4,015.5	4,010.4	10.2	5.2	-115.18	762.8	-220.3	847.4	834.6	12.82	66.091	
4,025.0	4,010.3	4,040.5	4,035.2	10.3	5.2	-115.27	762.8	-218.1	847.8	834.9	12.89	65.777	
4,050.0	4,035.0	4,065.4	4,060.1	10.4	5.2	-115.35	762.8	-216.0	848.2	835.2	12.96	65.464	
4,075.0	4,059.8	4,090.4	4,085.0	10.5	5.3	-115.44	762.8	-213.8	848.5	835.5	13.02	65.153	
4,100.0	4,084.5	4,115.4	4,109.9	10.6	5.3	-115.53	762.8	-211.6	848.9	835.8	13.09	64.842	
4,125.0	4,109.3	4,140.3	4,134.7	10.7	5.3	-115.61	762.8	-209.4	849.2	836.1	13.16	64.531	
4,150.0	4,134.1	4,165.3	4,159.6	10.8	5.3	-115.70	762.8	-207.2	849.6	836.4	13.23	64.221	
4,175.0	4,158.8	4,190.3	4,184.5	10.9	5.3	-115.79	762.8	-205.1	850.0	836.7	13.30	63.914	
4,200.0	4,183.6	4,215.2	4,209.3	11.0	5.4	-115.87	762.8	-202.9	850.3	837.0	13.37	63.606	
4,225.0	4,208.3	4,240.2	4,234.2	11.1	5.4	-115.96	762.8	-200.7	850.7	837.3	13.44	63.299	
4,250.0	4,233.1	4,265.1	4,259.1	11.2	5.4	-116.05	762.8	-198.5	851.1	837.6	13.51	62.993	
4,275.0	4,257.8	4,290.1	4,283.9	11.3	5.4	-116.13	762.8	-196.4	851.4	837.9	13.58	62.689	
4,300.0	4,282.6	4,315.1	4,308.8	11.4	5.4	-116.22	762.8	-194.2	851.8	838.2	13.65	62.385	
4,325.0	4,307.4	4,340.0	4,333.7	11.5	5.4	-116.31	762.8	-192.0	852.2	838.5	13.72	62.134	
4,350.0	4,332.1	4,365.0	4,358.5	11.6	5.5	-116.39	762.8	-189.8	852.6	838.8	13.78	61.883	
4,365.6	4,347.6	4,380.6	4,374.1	11.6	5.5	-116.45	762.8	-188.5	852.8	839.0	13.82	61.727	
4,375.0	4,356.9	4,390.0	4,383.4	11.7	5.5	-116.48	762.8	-187.7	852.9	839.1	13.84	61.646	
4,400.0	4,381.6	4,414.9	4,408.3	11.7	5.5	-116.56	762.8	-185.5	853.3	839.4	13.89	61.428	
4,425.0	4,406.4	4,439.9	4,433.2	11.8	5.5	-116.64	762.8	-183.3	853.6	839.6	13.96	61.129	
4,450.0	4,431.2	4,464.9	4,458.0	11.9	5.6	-116.71	762.8	-181.1	853.8	839.8	14.04	60.830	
4,475.0	4,456.0	4,489.9	4,482.9	12.0	5.6	-116.77	762.8	-179.0	854.0	839.9	14.11	60.530	
4,500.0	4,480.9	4,514.9	4,507.8	12.1	5.6	-116.83	762.8	-176.8	854.2	840.0	14.18	60.230	
4,525.0	4,505.7	4,539.8	4,532.7	12.2	5.6	-116.88	762.8	-174.6	854.3	840.0	14.25	59.938	
4,550.0	4,530.5	4,564.8	4,557.6	12.3	5.6	-116.92	762.8	-172.4	854.3	840.0	14.32	59.646	
4,575.0	4,555.4	4,589.8	4,582.5	12.4	5.7	-116.95	762.8	-170.2	854.3	839.9	14.39	59.355	
4,600.0	4,580.3	4,614.8	4,607.4	12.5	5.7	-116.98	762.8	-168.1	854.3	839.8	14.46	59.063	
4,625.0	4,605.2	4,639.8	4,632.3	12.6	5.7	-117.00	762.8	-165.9	854.2	839.6	14.53	58.780	
4,650.0	4,630.1	4,664.8	4,657.2	12.7	5.7	-117.02	762.8	-163.7	854.0	839.4	14.60	58.498	
4,675.0	4,655.0	4,689.8	4,682.1	12.8	5.7	-117.02	762.8	-161.5	853.8	839.2	14.67	58.216	
4,700.0	4,679.9	4,714.8	4,707.0	12.9	5.8	-117.02	762.8	-159.4	853.6	838.9	14.73	57.934	
4,725.0	4,704.8	4,739.8	4,731.9	13.0	5.8	-117.02	762.8	-157.2	853.3	838.5	14.80	57.663	
4,750.0	4,729.7	4,764.8	4,756.8	13.1	5.8	-117.00	762.8	-155.0	852.9	838.1	14.86	57.392	
4,775.0	4,754.7	4,789.8	4,781.7	13.2	5.8	-116.98	762.8	-152.8	852.6	837.6	14.93	57.121	
4,800.0	4,779.6	4,814.8	4,806.6	13.3	5.9	-116.95	762.8	-150.6	852.1	837.1	14.99	56.851	
4,825.0	4,804.6	4,839.8	4,831.5	13.4	5.9	-116.92	762.8	-148.5	851.6	836.6	15.05	56.592	
4,850.0	4,829.5	4,864.8	4,856.4	13.4	5.9	-116.88	762.8	-146.3	851.1	836.0	15.11	56.334	
4,875.0	4,854.5	4,889.8	4,881.3	13.5	5.9	-116.83	762.8	-144.1	850.5	835.3	15.17	56.076	
4,900.0	4,879.5	4,914.8	4,906.2	13.6	5.9	-116.77	762.8	-141.9	849.9	834.6	15.23	55.819	
4,925.0	4,904.4	4,939.7	4,931.1	13.7	6.0	-116.71	762.8	-139.8	849.2	833.9	15.28	55.575	
4,950.0	4,929.4	4,964.7	4,956.0	13.8	6.0	-116.64	762.8	-137.6	848.4	833.1	15.33	55.332	
4,975.0	4,954.4	4,989.7	4,980.8	13.9	6.0	-116.56	762.8	-135.4	847.6	832.3	15.39	55.089	
5,000.0	4,979.4	5,014.6	5,005.7	13.9	6.0	-116.48	762.8	-133.2	846.8	831.4	15.44	54.847	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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

Rule Assigned:

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	5,004.4	5,039.6	5,030.6	14.0	6.1	-116.38	762.8	-131.0	845.9	830.5	15.49	54.621	
5,050.0	5,029.4	5,064.5	5,055.4	14.1	6.1	-116.29	762.8	-128.9	845.0	829.5	15.53	54.396	
5,075.0	5,054.4	5,089.5	5,080.2	14.1	6.1	-116.18	762.8	-126.7	844.0	828.5	15.58	54.171	
5,100.0	5,079.4	5,114.4	5,105.1	14.2	6.1	-116.07	762.8	-124.5	843.0	827.4	15.63	53.947	
5,125.0	5,104.4	5,139.3	5,129.9	14.2	6.1	-115.95	762.8	-122.4	842.0	826.3	15.65	53.799	
5,150.0	5,129.4	5,164.2	5,154.7	14.3	6.2	-115.82	762.8	-120.2	840.9	825.2	15.67	53.651	
5,165.6	5,145.0	5,179.8	5,170.3	14.3	6.2	-31.86	762.8	-118.8	840.2	824.5	15.69	53.558	
5,175.0	5,154.4	5,189.1	5,179.5	14.3	6.2	-31.81	762.8	-118.0	839.7	824.0	15.69	53.523	
5,200.0	5,179.4	5,214.1	5,204.4	14.3	6.2	-31.69	762.8	-115.8	838.6	822.9	15.70	53.428	
5,225.0	5,204.4	5,239.0	5,229.2	14.3	6.2	-31.56	762.8	-113.7	837.4	821.7	15.72	53.276	
5,250.0	5,229.4	5,263.9	5,254.0	14.3	6.3	-31.44	762.8	-111.5	836.3	820.5	15.74	53.124	
5,275.0	5,254.4	5,288.8	5,278.8	14.3	6.3	-31.31	762.8	-109.3	835.1	819.4	15.77	52.972	
5,300.0	5,279.4	5,313.7	5,303.6	14.4	6.3	-31.18	762.8	-107.2	834.0	818.2	15.79	52.821	
5,325.0	5,304.4	5,338.6	5,328.4	14.4	6.3	-31.05	762.8	-105.0	832.9	817.1	15.81	52.669	
5,350.0	5,329.4	5,363.5	5,353.2	14.4	6.4	-30.92	762.8	-102.8	831.8	815.9	15.84	52.518	
5,375.0	5,354.4	5,388.4	5,378.0	14.4	6.4	-30.80	762.8	-100.6	830.6	814.8	15.86	52.367	
5,400.0	5,379.4	5,413.3	5,402.8	14.4	6.4	-30.67	762.8	-98.5	829.5	813.6	15.89	52.217	
5,425.0	5,404.4	5,438.2	5,427.6	14.4	6.4	-30.54	762.8	-96.3	828.4	812.5	15.91	52.066	
5,450.0	5,429.4	5,463.1	5,452.5	14.4	6.5	-30.41	762.8	-94.1	827.3	811.4	15.94	51.916	
5,475.0	5,454.4	5,488.0	5,477.3	14.5	6.5	-30.28	762.8	-92.0	826.2	810.2	15.96	51.766	
5,500.0	5,479.4	5,512.9	5,502.1	14.5	6.5	-30.15	762.8	-89.8	825.1	809.1	15.99	51.616	
5,525.0	5,504.4	5,537.8	5,526.9	14.5	6.5	-30.02	762.8	-87.6	824.0	808.0	16.01	51.467	
5,550.0	5,529.4	5,562.7	5,551.7	14.5	6.6	-29.89	762.8	-85.5	822.9	806.9	16.04	51.318	
5,575.0	5,554.4	5,587.6	5,576.5	14.5	6.6	-29.76	762.8	-83.3	821.8	805.8	16.06	51.169	
5,600.0	5,579.4	5,612.5	5,601.3	14.5	6.6	-29.62	762.8	-81.1	820.7	804.7	16.09	51.020	
5,625.0	5,604.4	5,637.4	5,626.1	14.5	6.6	-29.49	762.8	-78.9	819.7	803.6	16.11	50.871	
5,650.0	5,629.4	5,662.3	5,650.9	14.6	6.7	-29.36	762.8	-76.8	818.6	802.5	16.14	50.723	
5,675.0	5,654.4	5,687.2	5,675.7	14.6	6.7	-29.23	762.8	-74.6	817.5	801.4	16.16	50.575	
5,700.0	5,679.4	5,712.1	5,700.6	14.6	6.7	-29.09	762.8	-72.4	816.5	800.3	16.19	50.428	
5,725.0	5,704.4	5,737.1	5,725.4	14.6	6.7	-28.96	762.8	-70.3	815.4	799.2	16.22	50.280	
5,750.0	5,729.4	5,762.0	5,750.2	14.6	6.8	-28.83	762.8	-68.1	814.3	798.1	16.24	50.133	
5,775.0	5,754.4	5,786.9	5,775.0	14.6	6.8	-28.69	762.8	-65.9	813.3	797.0	16.27	49.986	
5,800.0	5,779.4	5,811.8	5,799.8	14.6	6.8	-28.56	762.8	-63.7	812.2	795.9	16.30	49.840	
5,825.0	5,804.4	5,836.7	5,824.6	14.6	6.8	-28.42	762.8	-61.6	811.2	794.9	16.32	49.693	
5,850.0	5,829.4	5,861.6	5,849.4	14.7	6.9	-28.29	762.8	-59.4	810.2	793.8	16.35	49.547	
5,875.0	5,854.4	5,886.5	5,874.2	14.7	6.9	-28.15	762.8	-57.2	809.1	792.8	16.38	49.401	
5,900.0	5,879.4	5,911.4	5,899.0	14.7	6.9	-28.02	762.8	-55.1	808.1	791.7	16.41	49.256	
5,925.0	5,904.4	5,936.3	5,923.9	14.7	6.9	-27.88	762.8	-52.9	807.1	790.6	16.43	49.111	
5,950.0	5,929.4	5,961.2	5,948.7	14.7	7.0	-27.74	762.8	-50.7	806.1	789.6	16.46	48.966	
5,975.0	5,954.4	5,986.1	5,973.5	14.7	7.0	-27.61	762.8	-48.6	805.0	788.6	16.49	48.821	
6,000.0	5,979.4	6,011.0	5,998.3	14.7	7.0	-27.47	762.8	-46.4	804.0	787.5	16.52	48.677	
6,025.0	6,004.4	6,035.9	6,023.1	14.8	7.0	-27.33	762.8	-44.2	803.0	786.5	16.55	48.533	
6,050.0	6,029.4	6,060.8	6,047.9	14.8	7.1	-27.19	762.8	-42.0	802.0	785.5	16.57	48.389	
6,075.0	6,054.4	6,085.7	6,072.7	14.8	7.1	-27.06	762.8	-39.9	801.0	784.4	16.60	48.246	
6,100.0	6,079.4	6,110.6	6,097.5	14.8	7.1	-26.92	762.8	-37.7	800.0	783.4	16.63	48.102	
6,125.0	6,104.4	6,135.5	6,122.3	14.8	7.1	-26.78	762.8	-35.5	799.0	782.4	16.66	47.960	
6,150.0	6,129.4	6,160.4	6,147.1	14.8	7.2	-26.64	762.8	-33.4	798.1	781.4	16.69	47.817	
6,175.0	6,154.4	6,185.3	6,172.0	14.8	7.2	-26.50	762.8	-31.2	797.1	780.4	16.72	47.675	
6,200.0	6,179.4	6,210.2	6,196.8	14.9	7.2	-26.36	762.8	-29.0	796.1	779.4	16.75	47.533	
6,225.0	6,204.4	6,235.2	6,221.6	14.9	7.2	-26.22	762.8	-26.8	795.1	778.4	16.78	47.391	
6,250.0	6,229.4	6,260.1	6,246.4	14.9	7.3	-26.08	762.8	-24.7	794.2	777.4	16.81	47.250	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,285.0	6,271.2	14.9	7.3	-25.94	762.8	-22.5	793.2	776.4	16.84	47.109	
6,300.0	6,279.4	6,309.9	6,296.0	14.9	7.3	-25.80	762.8	-20.3	792.3	775.4	16.87	46.969	
6,325.0	6,304.4	6,334.8	6,320.8	14.9	7.3	-25.66	762.8	-18.2	791.3	774.4	16.90	46.828	
6,350.0	6,329.4	6,359.7	6,345.6	14.9	7.4	-25.51	762.8	-16.0	790.4	773.5	16.93	46.688	
6,375.0	6,354.4	6,384.6	6,370.4	15.0	7.4	-25.37	762.8	-13.8	789.4	772.5	16.96	46.549	
6,400.0	6,379.4	6,409.5	6,395.2	15.0	7.4	-25.23	762.8	-11.7	788.5	771.5	16.99	46.410	
6,425.0	6,404.4	6,434.4	6,420.1	15.0	7.5	-25.09	762.8	-9.5	787.6	770.6	17.02	46.270	
6,450.0	6,429.4	6,459.3	6,444.9	15.0	7.5	-24.94	762.8	-7.3	786.7	769.6	17.05	46.132	
6,475.0	6,454.4	6,484.2	6,469.7	15.0	7.5	-24.80	762.8	-5.1	785.7	768.7	17.08	45.994	
6,500.0	6,479.4	6,509.1	6,494.5	15.0	7.5	-24.65	762.8	-3.0	784.8	767.7	17.11	45.856	
6,525.0	6,504.4	6,534.0	6,519.3	15.0	7.6	-24.51	762.8	-0.8	783.9	766.8	17.15	45.718	
6,550.0	6,529.4	6,558.9	6,544.1	15.1	7.6	-24.37	762.8	1.4	783.0	765.8	17.18	45.581	
6,575.0	6,554.4	6,583.8	6,568.9	15.1	7.6	-24.22	762.8	3.5	782.1	764.9	17.21	45.444	
6,600.0	6,579.4	6,608.7	6,593.7	15.1	7.6	-24.08	762.8	5.7	781.2	764.0	17.24	45.307	
6,625.0	6,604.4	6,633.6	6,618.5	15.1	7.7	-23.93	762.8	7.9	780.3	763.0	17.27	45.171	
6,650.0	6,629.4	6,658.5	6,643.3	15.1	7.7	-23.78	762.8	10.1	779.4	762.1	17.31	45.035	
6,675.0	6,654.4	6,683.4	6,668.2	15.1	7.7	-23.64	762.8	12.2	778.6	761.2	17.34	44.900	
6,700.0	6,679.4	6,708.3	6,693.0	15.1	7.8	-23.49	762.8	14.4	777.7	760.3	17.37	44.765	
6,725.0	6,704.4	6,733.2	6,717.8	15.2	7.8	-23.34	762.8	16.6	776.8	759.4	17.41	44.630	
6,750.0	6,729.4	6,758.2	6,742.6	15.2	7.8	-23.20	762.8	18.7	776.0	758.5	17.44	44.495	
6,775.0	6,754.4	6,783.1	6,767.4	15.2	7.8	-23.05	762.8	20.9	775.1	757.6	17.47	44.361	
6,800.0	6,779.4	6,808.0	6,792.2	15.2	7.9	-22.90	762.8	23.1	774.2	756.7	17.51	44.228	
6,825.0	6,804.4	6,832.9	6,817.0	15.2	7.9	-22.75	762.8	25.2	773.4	755.9	17.54	44.094	
6,850.0	6,829.4	6,857.8	6,841.8	15.2	7.9	-22.60	762.8	27.4	772.6	755.0	17.57	43.961	
6,875.0	6,854.4	6,882.7	6,866.6	15.2	7.9	-22.46	762.8	29.6	771.7	754.1	17.61	43.829	
6,900.0	6,879.4	6,907.6	6,891.4	15.3	8.0	-22.31	762.8	31.8	770.9	753.2	17.64	43.697	
6,925.0	6,904.4	6,932.5	6,916.3	15.3	8.0	-22.16	762.8	33.9	770.1	752.4	17.68	43.565	
6,950.0	6,929.4	6,957.4	6,941.1	15.3	8.0	-22.01	762.8	36.1	769.2	751.5	17.71	43.433	
6,975.0	6,954.4	6,982.3	6,965.9	15.3	8.1	-21.86	762.8	38.3	768.4	750.7	17.75	43.302	
7,000.0	6,979.4	7,007.2	6,990.7	15.3	8.1	-21.71	762.8	40.4	767.6	749.8	17.78	43.171	
7,025.0	7,004.4	7,032.1	7,015.5	15.3	8.1	-21.56	762.8	42.6	766.8	749.0	17.82	43.041	
7,050.0	7,029.4	7,057.0	7,040.3	15.3	8.1	-21.41	762.8	44.8	766.0	748.1	17.85	42.911	
7,075.0	7,054.4	7,081.9	7,065.1	15.4	8.2	-21.25	762.8	47.0	765.2	747.3	17.89	42.781	
7,100.0	7,079.4	7,106.8	7,089.9	15.4	8.2	-21.10	762.8	49.1	764.4	746.5	17.92	42.652	
7,125.0	7,104.4	7,131.7	7,114.7	15.4	8.2	-20.95	762.8	51.3	763.6	745.7	17.96	42.523	
7,150.0	7,129.4	7,156.6	7,139.5	15.4	8.2	-20.80	762.8	53.5	762.9	744.9	17.99	42.395	
7,175.0	7,154.4	7,181.5	7,164.4	15.4	8.3	-20.65	762.8	55.6	762.1	744.0	18.03	42.267	
7,200.0	7,179.4	7,206.4	7,189.2	15.4	8.3	-20.49	762.8	57.8	761.3	743.2	18.07	42.139	
7,225.0	7,204.4	7,231.3	7,214.0	15.4	8.3	-20.34	762.8	60.0	760.5	742.4	18.10	42.012	
7,250.0	7,229.4	7,256.3	7,238.8	15.5	8.4	-20.19	762.8	62.1	759.8	741.7	18.14	41.885	
7,275.0	7,254.4	7,281.2	7,263.6	15.5	8.4	-20.03	762.8	64.3	759.0	740.9	18.18	41.759	
7,300.0	7,279.4	7,306.1	7,288.4	15.5	8.4	-19.88	762.8	66.5	758.3	740.1	18.21	41.632	
7,325.0	7,304.4	7,331.0	7,313.2	15.5	8.4	-19.72	762.8	68.7	757.6	739.3	18.25	41.507	
7,350.0	7,329.4	7,355.9	7,338.0	15.5	8.5	-19.57	762.8	70.8	756.8	738.5	18.29	41.381	
7,375.0	7,354.4	7,380.8	7,362.8	15.5	8.5	-19.41	762.8	73.0	756.1	737.8	18.33	41.257	
7,400.0	7,379.4	7,405.7	7,387.6	15.6	8.5	-19.26	762.8	75.2	755.4	737.0	18.36	41.132	
7,425.0	7,404.4	7,430.6	7,412.5	15.6	8.6	-19.10	762.8	77.3	754.6	736.2	18.40	41.008	
7,450.0	7,429.4	7,455.5	7,437.3	15.6	8.6	-18.95	762.8	79.5	753.9	735.5	18.44	40.884	
7,475.0	7,454.4	7,480.4	7,462.1	15.6	8.6	-18.79	762.8	81.7	753.2	734.7	18.48	40.761	
7,500.0	7,479.4	7,505.3	7,486.9	15.6	8.6	-18.63	762.8	83.9	752.5	734.0	18.52	40.638	
7,525.0	7,504.4	7,530.2	7,511.7	15.6	8.7	-18.48	762.8	86.0	751.8	733.3	18.56	40.516	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,555.1	7,536.5	15.6	8.7	-18.32	762.8	88.2	751.1	732.5	18.60	40.394	
7,575.0	7,554.4	7,580.0	7,561.3	15.7	8.7	-18.16	762.8	90.4	750.5	731.8	18.63	40.272	
7,600.0	7,579.4	7,604.9	7,586.1	15.7	8.8	-18.00	762.8	92.5	749.8	731.1	18.67	40.151	
7,625.0	7,604.4	7,629.8	7,610.9	15.7	8.8	-17.85	762.8	94.7	749.1	730.4	18.71	40.030	
7,650.0	7,629.4	7,654.7	7,635.7	15.7	8.8	-17.69	762.8	96.9	748.4	729.7	18.75	39.910	
7,675.0	7,654.4	7,679.6	7,660.6	15.7	8.8	-17.53	762.8	99.0	747.8	729.0	18.79	39.790	
7,700.0	7,679.4	7,704.5	7,685.4	15.7	8.9	-17.37	762.8	101.2	747.1	728.3	18.83	39.670	
7,725.0	7,704.4	7,729.4	7,710.2	15.7	8.9	-17.21	762.8	103.4	746.5	727.6	18.87	39.551	
7,750.0	7,729.4	7,754.3	7,735.0	15.8	8.9	-17.05	762.8	105.6	745.8	726.9	18.91	39.432	
7,775.0	7,754.4	7,779.3	7,759.8	15.8	9.0	-16.89	762.8	107.7	745.2	726.2	18.95	39.314	
7,800.0	7,779.4	7,804.2	7,784.6	15.8	9.0	-16.73	762.8	109.9	744.6	725.6	19.00	39.196	
7,825.0	7,804.4	7,829.1	7,809.4	15.8	9.0	-16.57	762.8	112.1	743.9	724.9	19.04	39.079	
7,850.0	7,829.4	7,854.0	7,834.2	15.8	9.0	-16.41	762.8	114.2	743.3	724.2	19.08	38.962	
7,875.0	7,854.4	7,878.9	7,859.0	15.8	9.1	-16.25	762.8	116.4	742.7	723.6	19.12	38.845	
7,900.0	7,879.4	7,903.8	7,883.8	15.8	9.1	-16.09	762.8	118.6	742.1	722.9	19.16	38.729	
7,925.0	7,904.4	7,928.7	7,908.7	15.9	9.1	-15.93	762.8	120.8	741.5	722.3	19.20	38.613	
7,950.0	7,929.4	7,953.6	7,933.5	15.9	9.2	-15.77	762.8	122.9	740.9	721.6	19.24	38.498	
7,975.0	7,954.4	7,978.5	7,958.3	15.9	9.2	-15.61	762.8	125.1	740.3	721.0	19.29	38.383	
8,000.0	7,979.4	8,003.4	7,983.1	15.9	9.2	-15.44	762.8	127.3	739.7	720.4	19.33	38.269	
8,025.0	8,004.4	8,028.3	8,007.9	15.9	9.2	-15.28	762.8	129.4	739.1	719.8	19.37	38.155	
8,050.0	8,029.4	8,053.2	8,032.7	15.9	9.3	-15.12	762.8	131.6	738.6	719.1	19.41	38.041	
8,075.0	8,054.4	8,078.1	8,057.5	16.0	9.3	-14.96	762.8	133.8	738.0	718.5	19.46	37.928	
8,100.0	8,079.4	8,103.0	8,082.3	16.0	9.3	-14.79	762.8	135.9	737.4	717.9	19.50	37.816	
8,125.0	8,104.4	8,127.9	8,107.1	16.0	9.4	-14.63	762.8	138.1	736.9	717.3	19.54	37.703	
8,150.0	8,129.4	8,152.8	8,131.9	16.0	9.4	-14.47	762.8	140.3	736.3	716.7	19.59	37.591	
8,175.0	8,154.4	8,177.7	8,156.8	16.0	9.4	-14.30	762.8	142.5	735.8	716.1	19.63	37.480	
8,200.0	8,179.4	8,202.6	8,181.6	16.0	9.4	-14.14	762.8	144.6	735.2	715.6	19.67	37.369	
8,225.0	8,204.4	8,227.5	8,206.4	16.0	9.5	-13.98	762.8	146.8	734.7	715.0	19.72	37.259	
8,250.0	8,229.4	8,252.4	8,231.2	16.1	9.5	-13.81	762.8	149.0	734.2	714.4	19.76	37.149	
8,275.0	8,254.4	8,277.4	8,256.0	16.1	9.5	-13.65	762.8	151.1	733.7	713.9	19.81	37.039	
8,300.0	8,279.4	8,302.3	8,280.8	16.1	9.6	-13.48	762.8	153.3	733.2	713.3	19.85	36.930	
8,325.0	8,304.4	8,327.2	8,305.6	16.1	9.6	-13.32	762.8	155.5	732.6	712.7	19.90	36.821	
8,350.0	8,329.4	8,352.1	8,330.4	16.1	9.6	-13.15	762.8	157.7	732.1	712.2	19.94	36.713	
8,375.0	8,354.4	8,377.0	8,355.2	16.1	9.7	-12.99	762.8	159.8	731.6	711.7	19.99	36.605	
8,400.0	8,379.4	8,401.9	8,380.1	16.2	9.7	-12.82	762.8	162.0	731.2	711.1	20.03	36.498	
8,425.0	8,404.4	8,426.8	8,404.9	16.2	9.7	-12.65	762.8	164.2	730.7	710.6	20.08	36.391	
8,450.0	8,429.4	8,451.7	8,429.7	16.2	9.7	-12.49	762.8	166.3	730.2	710.1	20.12	36.284	
8,475.0	8,454.4	8,476.6	8,454.5	16.2	9.8	-12.32	762.8	168.5	729.7	709.6	20.17	36.178	
8,500.0	8,479.4	8,501.5	8,479.3	16.2	9.8	-12.15	762.8	170.7	729.3	709.1	20.22	36.073	
8,525.0	8,504.4	8,526.4	8,504.1	16.2	9.8	-11.99	762.8	172.8	728.8	708.5	20.26	35.968	
8,550.0	8,529.4	8,551.3	8,528.9	16.2	9.9	-11.82	762.8	175.0	728.4	708.1	20.31	35.863	
8,575.0	8,554.4	8,576.2	8,553.7	16.3	9.9	-11.65	762.8	177.2	727.9	707.6	20.36	35.759	
8,600.0	8,579.4	8,601.1	8,578.5	16.3	9.9	-11.49	762.8	179.4	727.5	707.1	20.40	35.655	
8,625.0	8,604.4	8,626.0	8,603.3	16.3	9.9	-11.32	762.8	181.5	727.0	706.6	20.45	35.552	
8,650.0	8,629.4	8,650.9	8,628.2	16.3	10.0	-11.15	762.8	183.7	726.6	706.1	20.50	35.449	
8,675.0	8,654.4	8,675.8	8,653.0	16.3	10.0	-10.98	762.8	185.9	726.2	705.7	20.54	35.347	
8,700.0	8,679.4	8,700.7	8,677.8	16.3	10.0	-10.81	762.8	188.0	725.8	705.2	20.59	35.245	
8,725.0	8,704.4	8,725.6	8,702.6	16.4	10.1	-10.65	762.8	190.2	725.4	704.7	20.64	35.143	
8,750.0	8,729.4	8,750.5	8,727.4	16.4	10.1	-10.48	762.8	192.4	725.0	704.3	20.69	35.042	
8,775.0	8,754.4	8,775.4	8,752.2	16.4	10.1	-10.31	762.8	194.6	724.6	703.8	20.74	34.942	
8,800.0	8,779.4	8,800.4	8,777.0	16.4	10.2	-10.14	762.8	196.7	724.2	703.4	20.79	34.842	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,825.3	8,801.8	16.4	10.2	-9.97	762.8	198.9	723.8	703.0	20.83	34.742	
8,850.0	8,829.4	8,850.2	8,826.6	16.4	10.2	-9.80	762.8	201.1	723.4	702.6	20.88	34.643	
8,875.0	8,854.4	8,875.1	8,851.4	16.4	10.2	-9.63	762.8	203.2	723.1	702.1	20.93	34.544	
8,900.0	8,879.4	8,900.0	8,876.3	16.5	10.3	-9.46	762.8	205.4	722.7	701.7	20.98	34.446	
8,925.0	8,904.4	8,924.9	8,901.1	16.5	10.3	-9.29	762.8	207.6	722.3	701.3	21.03	34.348	
8,950.0	8,929.4	8,949.8	8,925.9	16.5	10.3	-9.12	762.8	209.7	722.0	700.9	21.08	34.251	
8,975.0	8,954.4	8,974.7	8,950.7	16.5	10.4	-8.95	762.8	211.9	721.7	700.5	21.13	34.154	
9,000.0	8,979.4	8,999.6	8,975.5	16.5	10.4	-8.78	762.8	214.1	721.3	700.1	21.18	34.058	
9,025.0	9,004.4	9,024.5	9,000.3	16.5	10.4	-8.61	762.8	216.3	721.0	699.8	21.23	33.962	
9,050.0	9,029.4	9,049.4	9,025.1	16.6	10.5	-8.44	762.8	218.4	720.7	699.4	21.28	33.866	
9,075.0	9,054.4	9,074.3	9,049.9	16.6	10.5	-8.27	762.8	220.6	720.3	699.0	21.33	33.772	
9,100.0	9,079.4	9,099.2	9,074.7	16.6	10.5	-8.10	762.8	222.8	720.0	698.7	21.38	33.677	
9,125.0	9,104.4	9,124.1	9,099.5	16.6	10.5	-7.93	762.8	224.9	719.7	698.3	21.43	33.583	
9,150.0	9,129.4	9,149.0	9,124.4	16.6	10.6	-7.76	762.8	227.1	719.4	697.9	21.48	33.489	
9,175.0	9,154.4	9,173.9	9,149.2	16.6	10.6	-7.58	762.8	229.3	719.1	697.6	21.53	33.396	
9,200.0	9,179.4	9,198.8	9,174.0	16.6	10.6	-7.41	762.8	231.5	718.9	697.3	21.58	33.304	
9,225.0	9,204.4	9,223.7	9,198.8	16.7	10.7	-7.24	762.8	233.6	718.6	696.9	21.64	33.211	
9,250.0	9,229.4	9,248.6	9,223.6	16.7	10.7	-7.07	762.8	235.8	718.3	696.6	21.69	33.120	
9,275.0	9,254.4	9,273.5	9,248.4	16.7	10.7	-6.90	762.8	238.0	718.0	696.3	21.74	33.028	
9,300.0	9,279.4	9,298.4	9,273.2	16.7	10.8	-6.73	762.8	240.1	717.8	696.0	21.79	32.938	
9,325.0	9,304.4	9,323.4	9,298.0	16.7	10.8	-6.55	762.8	242.3	717.5	695.7	21.84	32.847	
9,350.0	9,329.4	9,348.3	9,322.8	16.7	10.8	-6.38	762.8	244.5	717.3	695.4	21.90	32.757	
9,375.0	9,354.4	9,373.2	9,347.6	16.8	10.8	-6.21	762.8	246.6	717.0	695.1	21.95	32.668	
9,400.0	9,379.4	9,398.1	9,372.5	16.8	10.9	-6.04	762.8	248.8	716.8	694.8	22.00	32.579	
9,425.0	9,404.4	9,423.0	9,397.3	16.8	10.9	-5.86	762.8	251.0	716.6	694.5	22.05	32.491	
9,450.0	9,429.4	9,447.9	9,422.1	16.8	10.9	-5.69	762.8	253.2	716.4	694.3	22.11	32.403	
9,475.0	9,454.4	9,472.8	9,446.9	16.8	11.0	-5.52	762.8	255.3	716.1	694.0	22.16	32.315	
9,500.0	9,479.4	9,497.7	9,471.7	16.8	11.0	-5.35	762.8	257.5	715.9	693.7	22.21	32.228	
9,525.0	9,504.4	9,522.6	9,496.5	16.8	11.0	-5.17	762.8	259.7	715.7	693.5	22.27	32.142	
9,550.0	9,529.4	9,547.5	9,521.3	16.9	11.1	-5.00	762.8	261.8	715.5	693.2	22.32	32.056	
9,575.0	9,554.4	9,572.4	9,546.1	16.9	11.1	-4.83	762.8	264.0	715.4	693.0	22.38	31.970	
9,600.0	9,579.4	9,597.3	9,570.9	16.9	11.1	-4.65	762.8	266.2	715.2	692.7	22.43	31.885	
9,625.0	9,604.4	9,622.2	9,595.7	16.9	11.1	-4.48	762.8	268.4	715.0	692.5	22.48	31.800	
9,650.0	9,629.4	9,647.1	9,620.6	16.9	11.2	-4.31	762.8	270.5	714.8	692.3	22.54	31.716	
9,675.0	9,654.4	9,672.0	9,645.4	16.9	11.2	-4.13	762.8	272.7	714.7	692.1	22.59	31.632	
9,700.0	9,679.4	9,696.9	9,670.2	17.0	11.2	-3.96	762.8	274.9	714.5	691.9	22.65	31.549	
9,725.0	9,704.4	9,721.8	9,695.0	17.0	11.3	-3.79	762.8	277.0	714.4	691.7	22.70	31.466	
9,750.0	9,729.4	9,746.7	9,719.8	17.0	11.3	-3.61	762.8	279.2	714.2	691.5	22.76	31.384	
9,775.0	9,754.4	9,771.6	9,744.6	17.0	11.3	-3.44	762.8	281.4	714.1	691.3	22.81	31.302	
9,800.0	9,779.4	9,796.5	9,769.4	17.0	11.4	-3.26	762.8	283.5	714.0	691.1	22.87	31.220	
9,825.0	9,804.4	9,821.5	9,794.2	17.0	11.4	-3.09	762.8	285.7	713.8	690.9	22.92	31.139	
9,850.0	9,829.4	9,846.4	9,819.0	17.1	11.4	-2.92	762.8	287.9	713.7	690.8	22.98	31.059	
9,875.0	9,854.4	9,871.3	9,843.8	17.1	11.4	-2.74	762.8	290.1	713.6	690.6	23.04	30.979	
9,900.0	9,879.4	9,896.2	9,868.7	17.1	11.5	-2.57	762.8	292.2	713.5	690.4	23.09	30.899	
9,925.0	9,904.4	9,921.1	9,893.5	17.1	11.5	-2.39	762.8	294.4	713.4	690.3	23.15	30.820	
9,950.0	9,929.4	9,946.0	9,918.3	17.1	11.5	-2.22	762.8	296.6	713.3	690.1	23.20	30.741	
9,975.0	9,954.4	9,970.9	9,943.1	17.1	11.6	-2.05	762.8	298.7	713.3	690.0	23.26	30.663	
10,000.0	9,979.4	9,995.8	9,967.9	17.1	11.6	-1.87	762.8	300.9	713.2	689.9	23.32	30.585	
10,025.0	10,004.4	10,020.7	9,992.7	17.2	11.6	-1.70	762.8	303.1	713.1	689.7	23.37	30.508	
10,050.0	10,029.4	10,045.6	10,017.5	17.2	11.7	-1.52	762.8	305.3	713.1	689.6	23.43	30.431	
10,075.0	10,054.4	10,070.5	10,042.3	17.2	11.7	-1.35	762.8	307.4	713.0	689.5	23.49	30.355	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,100.0	10,079.4	10,095.4	10,067.1	17.2	11.7	-1.17	762.8	309.6	713.0	689.4	23.55	30.279	
10,125.0	10,104.4	10,120.3	10,091.9	17.2	11.8	-1.00	762.8	311.8	712.9	689.3	23.60	30.204	
10,150.0	10,129.4	10,145.2	10,116.8	17.2	11.8	-0.82	762.8	313.9	712.9	689.2	23.66	30.129	
10,175.0	10,154.4	10,170.1	10,141.6	17.3	11.8	-0.65	762.8	316.1	712.8	689.1	23.72	30.054	
10,200.0	10,179.4	10,195.0	10,166.4	17.3	11.8	-0.48	762.8	318.3	712.8	689.0	23.78	29.980	
10,225.0	10,204.4	11,253.0	10,800.6	17.3	13.7	68.87	168.5	630.9	692.7	653.0	39.73	17.434	
10,250.0	10,229.4	11,252.8	10,800.6	17.3	13.7	68.84	168.7	630.8	670.8	631.2	39.66	16.914	
10,275.0	10,254.4	11,252.7	10,800.6	17.3	13.7	68.82	168.8	630.8	649.1	609.6	39.57	16.403	
10,300.0	10,279.4	11,252.5	10,800.6	17.3	13.7	68.79	168.9	630.7	627.7	588.2	39.47	15.903	
10,307.2	10,286.6	11,252.5	10,800.6	17.4	13.7	68.78	169.0	630.7	621.6	582.2	39.44	15.762	
10,325.0	10,304.4	11,252.0	10,800.6	17.4	13.7	71.99	169.4	630.5	606.5	567.2	39.28	15.442	
10,350.0	10,329.3	11,250.2	10,800.6	17.4	13.7	76.23	171.1	629.8	585.4	546.2	39.13	14.958	
10,375.0	10,354.1	11,247.1	10,800.6	17.4	13.6	80.21	174.0	628.7	564.4	525.4	38.97	14.481	
10,400.0	10,378.8	11,242.5	10,800.6	17.4	13.6	83.86	178.2	627.0	543.5	504.8	38.79	14.013	
10,425.0	10,403.2	11,236.7	10,800.7	17.4	13.6	87.17	183.7	624.8	523.0	484.4	38.59	13.553	
10,450.0	10,427.2	11,229.5	10,800.7	17.4	13.6	90.10	190.3	622.1	502.7	464.3	38.36	13.103	
10,475.0	10,450.9	11,221.0	10,800.7	17.4	13.5	92.66	198.2	618.9	482.7	444.6	38.12	12.663	
10,500.0	10,474.2	11,211.3	10,800.8	17.4	13.5	94.86	207.1	615.2	463.1	425.3	37.85	12.235	
10,525.0	10,496.9	11,200.4	10,800.9	17.4	13.4	96.73	217.2	611.0	443.9	406.4	37.57	11.817	
10,550.0	10,519.0	11,188.3	10,800.9	17.4	13.4	98.28	228.4	606.3	425.2	387.9	37.26	11.411	
10,575.0	10,540.5	11,175.0	10,801.0	17.4	13.3	99.54	240.6	601.1	406.9	369.9	36.94	11.015	
10,600.0	10,561.3	11,160.0	10,801.1	17.4	13.3	100.45	254.4	595.1	389.0	352.4	36.59	10.631	
10,625.0	10,581.4	11,135.2	10,800.6	17.4	13.2	99.88	277.1	585.2	371.5	335.3	36.15	10.276	
10,650.0	10,600.7	11,111.8	10,799.1	17.4	13.1	99.32	298.4	575.8	354.0	318.4	35.66	9.927	
10,675.0	10,619.0	11,089.6	10,796.9	17.4	13.0	98.75	318.7	566.8	336.8	301.7	35.15	9.582	
10,700.0	10,636.5	11,068.2	10,793.9	17.4	13.0	98.12	337.9	558.1	319.9	285.2	34.61	9.240	
10,725.0	10,653.0	11,047.6	10,790.3	17.4	12.9	97.41	356.4	549.8	303.2	269.1	34.06	8.902	
10,750.0	10,668.6	11,027.7	10,786.2	17.4	12.8	96.60	374.1	541.7	286.9	253.4	33.50	8.565	
10,775.0	10,683.0	11,008.3	10,781.5	17.5	12.8	95.64	391.2	533.8	271.0	238.1	32.93	8.229	
10,800.0	10,696.4	10,989.4	10,776.3	17.5	12.7	94.52	407.7	526.2	255.5	223.2	32.38	7.893	
10,825.0	10,708.7	10,970.8	10,770.6	17.5	12.7	93.22	423.7	518.7	240.6	208.8	31.84	7.557	
10,850.0	10,719.8	10,952.6	10,764.5	17.5	12.6	91.70	439.3	511.4	226.4	195.0	31.35	7.220	
10,875.0	10,729.7	10,934.7	10,757.9	17.5	12.6	89.94	454.4	504.3	212.8	181.8	30.93	6.879	
10,900.0	10,738.4	10,917.0	10,750.9	17.6	12.5	87.92	469.0	497.3	199.9	169.4	30.59	6.536	
10,925.0	10,745.8	10,899.5	10,743.5	17.6	12.5	85.61	483.3	490.4	188.0	157.7	30.37	6.191	
10,950.0	10,752.0	10,882.2	10,735.8	17.6	12.5	83.01	497.3	483.7	177.1	146.8	30.30	5.846	
10,975.0	10,757.0	10,865.0	10,727.6	17.6	12.4	80.09	510.9	477.0	167.3	136.9	30.40	5.505	
11,000.0	10,760.6	10,847.9	10,719.0	17.7	12.4	76.86	524.1	470.5	158.8	128.2	30.68	5.177	
11,025.0	10,762.9	10,830.9	10,710.1	17.7	12.4	73.32	537.0	464.1	151.7	120.6	31.13	4.873	
11,050.0	10,764.0	10,814.0	10,700.7	17.8	12.3	69.50	549.6	457.8	146.1	114.4	31.72	4.605	
11,052.3	10,764.0	10,812.5	10,699.8	17.8	12.3	69.14	550.8	457.3	145.6	113.9	31.78	4.582	
11,075.0	10,764.2	10,797.5	10,691.2	17.8	12.3	65.02	561.7	451.7	142.2	109.8	32.40	4.389	
11,100.0	10,764.5	10,781.7	10,681.7	17.8	12.3	60.49	573.0	446.0	140.7	107.5	33.12	4.247	
11,103.2	10,764.5	10,779.7	10,680.5	17.9	12.3	59.91	574.4	445.3	140.6	107.4	33.22	4.234 CC, ES	
11,125.0	10,764.7	10,766.6	10,672.4	17.9	12.2	56.06	583.5	440.6	141.6	107.8	33.79	4.190 SF	
11,150.0	10,765.0	10,750.0	10,661.7	18.0	12.2	51.16	594.8	434.7	145.2	110.7	34.50	4.207	
11,175.0	10,765.3	10,738.4	10,654.1	18.0	12.2	47.77	602.5	430.7	151.2	116.5	34.66	4.362	
11,200.0	10,765.5	10,725.2	10,645.2	18.1	12.2	44.02	611.1	426.2	159.6	124.8	34.80	4.585	
11,225.0	10,765.8	10,712.7	10,636.5	18.1	12.2	40.56	619.1	422.0	170.0	135.2	34.78	4.888	
11,250.0	10,766.0	10,700.0	10,627.5	18.2	12.2	37.21	627.0	417.7	182.2	147.6	34.69	5.254	
11,275.0	10,766.3	10,689.3	10,619.8	18.3	12.2	34.52	633.6	414.2	196.0	161.6	34.38	5.701	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
11,300.0	10,766.5	10,678.3	10,611.7	18.3	12.1	31.91	640.1	410.7	211.0	176.9	34.09	6.191	
11,325.0	10,766.8	10,667.9	10,603.9	18.4	12.1	29.55	646.2	407.3	227.1	193.4	33.77	6.727	
11,350.0	10,767.0	10,657.9	10,596.3	18.5	12.1	27.43	651.8	404.2	244.2	210.7	33.44	7.302	
11,375.0	10,767.3	10,650.0	10,590.3	18.5	12.1	25.83	656.3	401.7	261.9	228.9	33.00	7.937	
11,400.0	10,767.6	10,639.2	10,581.9	18.6	12.1	23.79	662.2	398.4	280.4	247.6	32.79	8.549	
11,425.0	10,767.8	10,630.5	10,575.0	18.7	12.1	22.22	666.8	395.8	299.3	266.9	32.49	9.213	
11,450.0	10,768.1	10,622.1	10,568.3	18.8	12.1	20.81	671.2	393.3	318.8	286.6	32.21	9.899	
11,475.0	10,768.3	10,614.1	10,561.8	18.9	12.1	19.53	675.3	391.0	338.7	306.8	31.94	10.606	
11,500.0	10,768.6	10,600.0	10,550.3	19.0	12.1	17.45	682.3	386.9	359.0	327.0	32.00	11.222	
11,525.0	10,768.8	10,600.0	10,550.3	19.0	12.1	17.45	682.3	386.9	379.5	348.1	31.40	12.087	
11,550.0	10,769.1	10,600.0	10,550.3	19.1	12.1	17.45	682.3	386.9	400.5	369.6	30.87	12.973	
11,575.0	10,769.3	10,585.2	10,537.9	19.2	12.1	15.47	689.4	382.7	421.5	390.5	31.01	13.591	
11,600.0	10,769.6	10,578.7	10,532.4	19.3	12.1	14.66	692.4	380.9	442.9	412.0	30.82	14.369	
11,625.0	10,769.9	10,572.4	10,527.1	19.4	12.1	13.92	695.3	379.2	464.4	433.8	30.64	15.158	
11,650.0	10,770.1	10,566.4	10,522.0	19.5	12.1	13.24	698.0	377.6	486.2	455.7	30.47	15.956	
11,675.0	10,770.4	10,550.0	10,507.8	19.6	12.0	11.53	705.0	373.3	508.3	477.6	30.67	16.575	
11,700.0	10,770.6	10,550.0	10,507.8	19.7	12.0	11.53	705.0	373.3	530.2	499.9	30.32	17.487	
11,725.0	10,770.9	10,550.0	10,507.8	19.8	12.0	11.53	705.0	373.3	552.4	522.4	30.01	18.408	
11,750.0	10,771.1	10,550.0	10,507.8	19.9	12.0	11.53	705.0	373.3	574.8	545.1	29.73	19.336	
11,775.0	10,771.4	10,550.0	10,507.8	20.0	12.0	11.53	705.0	373.3	597.4	568.0	29.47	20.271	
11,800.0	10,771.6	10,534.6	10,494.3	20.1	12.0	10.10	711.3	369.4	619.8	590.2	29.65	20.903	
11,825.0	10,771.9	10,529.9	10,490.2	20.3	12.0	9.70	713.1	368.2	642.6	613.0	29.55	21.748	
11,850.0	10,772.2	10,525.5	10,486.2	20.4	12.0	9.33	714.8	367.1	665.4	635.9	29.44	22.597	
11,875.0	10,772.4	10,521.1	10,482.3	20.5	12.0	8.98	716.5	366.1	688.3	658.9	29.35	23.451	
11,900.0	10,772.7	10,516.9	10,478.6	20.6	12.0	8.65	718.0	365.1	711.2	682.0	29.26	24.308	
11,925.0	10,772.9	10,500.0	10,463.3	20.7	12.0	7.42	724.1	361.1	734.6	705.1	29.46	24.931	
11,950.0	10,773.2	10,500.0	10,463.3	20.8	12.0	7.42	724.1	361.1	757.6	728.3	29.29	25.865	
11,975.0	10,773.4	10,500.0	10,463.3	21.0	12.0	7.42	724.1	361.1	780.7	751.6	29.13	26.802	
12,000.0	10,773.7	10,500.0	10,463.3	21.1	12.0	7.42	724.1	361.1	803.9	775.0	28.98	27.740	
12,025.0	10,773.9	10,500.0	10,463.3	21.2	12.0	7.42	724.1	361.1	827.3	798.4	28.84	28.680	
12,050.0	10,774.2	10,500.0	10,463.3	21.3	12.0	7.42	724.1	361.1	850.7	822.0	28.72	29.622	
12,075.0	10,774.5	10,500.0	10,463.3	21.5	12.0	7.42	724.1	361.1	874.3	845.6	28.60	30.564	
12,100.0	10,774.7	10,500.0	10,463.3	21.6	12.0	7.42	724.1	361.1	897.9	869.4	28.50	31.507	
12,125.0	10,775.0	10,484.7	10,449.3	21.7	12.0	6.44	729.2	357.7	921.2	892.6	28.66	32.144	
12,150.0	10,775.2	10,481.7	10,446.5	21.8	12.0	6.26	730.2	357.0	944.8	916.2	28.61	33.024	
12,175.0	10,775.5	10,478.7	10,443.8	22.0	12.0	6.09	731.1	356.3	968.5	939.9	28.56	33.905	
12,200.0	10,775.7	10,475.8	10,441.1	22.1	12.0	5.92	732.0	355.7	992.2	963.7	28.52	34.787	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-25.97	762.6	-371.4	848.3				
25.0	25.0	11.4	11.4	0.5	3.0	-25.97	762.6	-371.4	848.2				
50.0	50.0	36.4	36.4	0.5	3.0	-25.97	762.6	-371.4	848.2	843.5	4.73	179.509	
75.0	75.0	61.4	61.4	0.5	3.0	-25.97	762.6	-371.4	848.2	843.5	4.73	179.505	
100.0	100.0	86.4	86.4	0.5	3.0	-25.97	762.6	-371.4	848.2	843.5	4.73	179.498	
125.0	125.0	111.4	111.4	0.6	3.0	-25.97	762.6	-371.4	848.2	843.5	4.76	178.219	
150.0	150.0	136.4	136.4	0.8	3.0	-25.97	762.6	-371.4	848.2	843.4	4.80	176.678	
175.0	175.0	161.4	161.4	0.9	3.0	-25.97	762.6	-371.4	848.2	843.4	4.85	174.903	
200.0	200.0	186.4	186.4	1.0	3.0	-25.97	762.6	-371.4	848.2	843.3	4.91	172.918	
225.0	225.0	211.4	211.4	1.1	3.0	-25.97	762.6	-371.4	848.2	843.3	4.95	171.472	
250.0	250.0	236.4	236.4	1.2	3.0	-25.97	762.6	-371.4	848.2	843.2	4.99	169.946	
275.0	275.0	261.4	261.4	1.3	3.0	-25.97	762.6	-371.4	848.2	843.2	5.04	168.346	
300.0	300.0	286.4	286.4	1.4	3.0	-25.97	762.6	-371.4	848.2	843.1	5.09	166.682	
325.0	325.0	311.4	311.4	1.4	3.0	-25.97	762.6	-371.4	848.2	843.1	5.13	165.258	
350.0	350.0	336.4	336.4	1.5	3.0	-25.97	762.6	-371.4	848.2	843.1	5.18	163.797	
375.0	375.0	361.4	361.4	1.6	3.0	-25.97	762.6	-371.4	848.2	843.0	5.23	162.304	
400.0	400.0	386.4	386.4	1.6	3.0	-25.97	762.6	-371.4	848.2	843.0	5.28	160.783	
425.0	425.0	411.4	411.4	1.7	3.0	-25.97	762.6	-371.4	848.2	842.9	5.32	159.413	
450.0	450.0	436.4	436.4	1.8	3.0	-25.97	762.6	-371.4	848.2	842.9	5.37	158.025	
475.0	475.0	461.4	461.4	1.8	3.0	-25.97	762.6	-371.4	848.2	842.8	5.42	156.622	
500.0	500.0	486.4	486.4	1.9	3.1	-25.97	762.6	-371.4	848.2	842.8	5.47	155.207	
525.0	525.0	511.4	511.4	1.9	3.1	-25.97	762.6	-371.4	848.2	842.7	5.51	153.900	
550.0	550.0	536.4	536.4	2.0	3.1	-25.97	762.6	-371.4	848.2	842.7	5.56	152.585	
575.0	575.0	561.4	561.4	2.1	3.1	-25.97	762.6	-371.4	848.2	842.6	5.61	151.264	
600.0	600.0	586.4	586.4	2.1	3.1	-25.97	762.6	-371.4	848.2	842.6	5.66	149.940	
625.0	625.0	611.4	611.4	2.2	3.1	-25.97	762.6	-371.4	848.2	842.5	5.70	148.696	
650.0	650.0	636.4	636.4	2.2	3.1	-25.97	762.6	-371.4	848.2	842.5	5.75	147.452	
675.0	675.0	661.4	661.4	2.3	3.1	-25.97	762.6	-371.4	848.2	842.4	5.80	146.207	
700.0	700.0	686.4	686.4	2.3	3.1	-25.97	762.6	-371.4	848.2	842.4	5.85	144.962	
725.0	725.0	711.4	711.4	2.4	3.1	-25.97	762.6	-371.4	848.2	842.3	5.90	143.782	
750.0	750.0	736.4	736.4	2.4	3.1	-25.97	762.6	-371.4	848.2	842.3	5.95	142.605	
775.0	775.0	761.4	761.4	2.5	3.1	-25.97	762.6	-371.4	848.2	842.2	6.00	141.430	
800.0	800.0	786.4	786.4	2.5	3.1	-25.97	762.6	-371.4	848.2	842.2	6.05	140.259	
825.0	825.0	811.4	811.4	2.6	3.2	-25.97	762.6	-371.4	848.2	842.1	6.10	139.140	
850.0	850.0	836.4	836.4	2.6	3.2	-25.97	762.6	-371.4	848.2	842.1	6.15	138.025	
875.0	875.0	861.4	861.4	2.6	3.2	-25.97	762.6	-371.4	848.2	842.0	6.20	136.916	
900.0	900.0	886.4	886.4	2.7	3.2	-25.97	762.6	-371.4	848.2	842.0	6.25	135.812	
925.0	925.0	911.4	911.4	2.7	3.2	-25.97	762.6	-371.4	848.2	841.9	6.29	134.751	
950.0	950.0	936.4	936.4	2.8	3.2	-25.97	762.6	-371.4	848.2	841.9	6.34	133.696	
975.0	975.0	961.4	961.4	2.8	3.2	-25.97	762.6	-371.4	848.2	841.8	6.39	132.648	
1,000.0	1,000.0	986.4	986.4	2.9	3.2	-25.97	762.6	-371.4	848.2	841.8	6.45	131.605	
1,025.0	1,025.0	1,011.4	1,011.4	2.9	3.3	-25.97	762.6	-371.4	848.2	841.7	6.49	130.600	
1,050.0	1,050.0	1,036.4	1,036.4	3.0	3.3	-25.97	762.6	-371.4	848.2	841.7	6.54	129.601	
1,075.0	1,075.0	1,061.4	1,061.4	3.0	3.3	-25.97	762.6	-371.4	848.2	841.6	6.60	128.609	
1,100.0	1,100.0	1,086.4	1,086.4	3.0	3.3	-25.97	762.6	-371.4	848.2	841.6	6.65	127.623	
1,125.0	1,125.0	1,111.4	1,111.4	3.1	3.3	-25.97	762.6	-371.4	848.2	841.5	6.70	126.670	
1,150.0	1,150.0	1,136.4	1,136.4	3.1	3.3	-25.97	762.6	-371.4	848.2	841.5	6.75	125.723	
1,175.0	1,175.0	1,161.4	1,161.4	3.2	3.3	-25.97	762.6	-371.4	848.2	841.4	6.80	124.784	
1,200.0	1,200.0	1,186.4	1,186.4	3.2	3.3	-25.97	762.6	-371.4	848.2	841.4	6.85	123.852	
1,225.0	1,225.0	1,211.4	1,211.4	3.2	3.4	-25.97	762.6	-371.4	848.2	841.3	6.90	122.947	
1,250.0	1,250.0	1,236.4	1,236.4	3.3	3.4	-25.97	762.6	-371.4	848.2	841.3	6.95	122.049	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,261.4	1,261.4	3.3	3.4	-25.97	762.6	-371.4	848.2	841.2	7.00	121.159	
1,300.0	1,300.0	1,286.4	1,286.4	3.4	3.4	-25.97	762.6	-371.4	848.2	841.2	7.05	120.276	
1,325.0	1,325.0	1,311.4	1,311.4	3.4	3.4	-25.97	762.6	-371.4	848.2	841.1	7.10	119.417	
1,350.0	1,350.0	1,336.4	1,336.4	3.4	3.4	-25.97	762.6	-371.4	848.2	841.1	7.15	118.565	
1,375.0	1,375.0	1,361.4	1,361.4	3.5	3.5	-25.97	762.6	-371.4	848.2	841.0	7.21	117.721	
1,400.0	1,400.0	1,386.4	1,386.4	3.5	3.5	-25.97	762.6	-371.4	848.2	841.0	7.26	116.883	
1,425.0	1,425.0	1,411.4	1,411.4	3.6	3.5	-25.97	762.6	-371.4	848.2	840.9	7.31	116.067	
1,450.0	1,450.0	1,436.4	1,436.4	3.6	3.5	-25.97	762.6	-371.4	848.2	840.9	7.36	115.259	
1,475.0	1,475.0	1,461.4	1,461.4	3.6	3.5	-25.97	762.6	-371.4	848.2	840.8	7.41	114.457	
1,500.0	1,500.0	1,486.4	1,486.4	3.7	3.5	-25.97	762.6	-371.4	848.2	840.8	7.46	113.662	
1,525.0	1,525.0	1,511.4	1,511.4	3.7	3.6	-25.97	762.6	-371.4	848.2	840.7	7.51	112.886	
1,550.0	1,550.0	1,536.4	1,536.4	3.8	3.6	-25.97	762.6	-371.4	848.2	840.7	7.57	112.117	
1,575.0	1,575.0	1,561.4	1,561.4	3.8	3.6	-25.97	762.6	-371.4	848.2	840.6	7.62	111.355	
1,600.0	1,600.0	1,586.4	1,586.4	3.8	3.6	-25.97	762.6	-371.4	848.2	840.6	7.67	110.600	
1,625.0	1,625.0	1,611.4	1,611.4	3.9	3.6	-25.97	762.6	-371.4	848.2	840.5	7.72	109.862	
1,650.0	1,650.0	1,636.4	1,636.4	3.9	3.6	-25.97	762.6	-371.4	848.2	840.5	7.77	109.131	
1,675.0	1,675.0	1,661.4	1,661.4	3.9	3.7	-25.97	762.6	-371.4	848.2	840.4	7.82	108.406	
1,700.0	1,700.0	1,686.4	1,686.4	4.0	3.7	-25.97	762.6	-371.4	848.2	840.4	7.88	107.688	
1,725.0	1,725.0	1,711.4	1,711.4	4.0	3.7	-25.97	762.6	-371.4	848.2	840.3	7.93	106.985	
1,750.0	1,750.0	1,736.4	1,736.4	4.1	3.7	-25.97	762.6	-371.4	848.2	840.3	7.98	106.288	
1,775.0	1,775.0	1,761.4	1,761.4	4.1	3.7	-25.97	762.6	-371.4	848.2	840.2	8.03	105.598	
1,800.0	1,800.0	1,786.4	1,786.4	4.1	3.8	-25.97	762.6	-371.4	848.2	840.1	8.08	104.915	
1,825.0	1,825.0	1,811.4	1,811.4	4.2	3.8	-25.97	762.6	-371.4	848.2	840.1	8.14	104.245	
1,850.0	1,850.0	1,836.4	1,836.4	4.2	3.8	-25.97	762.6	-371.4	848.2	840.0	8.19	103.581	
1,875.0	1,875.0	1,861.4	1,861.4	4.2	3.8	-25.97	762.6	-371.4	848.2	840.0	8.24	102.924	
1,900.0	1,900.0	1,886.4	1,886.4	4.3	3.8	-25.97	762.6	-371.4	848.2	839.9	8.29	102.272	
1,925.0	1,925.0	1,911.4	1,911.4	4.3	3.9	-25.97	762.6	-371.4	848.2	839.9	8.35	101.633	
1,950.0	1,950.0	1,936.4	1,936.4	4.3	3.9	-25.97	762.6	-371.4	848.2	839.8	8.40	101.000	
1,975.0	1,975.0	1,961.4	1,961.4	4.4	3.9	-25.97	762.6	-371.4	848.2	839.8	8.45	100.373	
2,000.0	2,000.0	1,986.4	1,986.4	4.4	3.9	-25.97	762.6	-371.4	848.2	839.7	8.50	99.752	
2,025.0	2,025.0	2,011.4	2,011.4	4.4	3.9	-80.97	762.6	-371.4	848.2	839.7	8.55	99.218	
2,050.0	2,050.0	2,036.4	2,036.4	4.5	4.0	-80.98	762.6	-371.4	848.2	839.6	8.59	98.688	
2,075.0	2,075.0	2,061.4	2,061.4	4.5	4.0	-81.00	762.6	-371.4	848.2	839.5	8.64	98.163	
2,100.0	2,100.0	2,086.4	2,086.4	4.5	4.0	-81.03	762.6	-371.4	848.1	839.4	8.69	97.642	
2,125.0	2,125.0	2,111.4	2,111.4	4.6	4.0	-81.06	762.6	-371.4	848.0	839.3	8.75	96.952	
2,150.0	2,150.0	2,136.4	2,136.4	4.6	4.1	-81.10	762.6	-371.4	847.9	839.1	8.81	96.274	
2,175.0	2,175.0	2,161.4	2,161.4	4.6	4.1	-81.15	762.6	-371.4	847.8	838.9	8.87	95.608	
2,200.0	2,200.0	2,186.4	2,186.4	4.7	4.1	-81.21	762.6	-371.4	847.7	838.8	8.93	94.952	
2,225.0	2,224.9	2,211.3	2,211.3	4.7	4.1	-81.27	762.6	-371.4	847.5	838.6	8.99	94.300	
2,250.0	2,249.9	2,236.3	2,236.3	4.8	4.1	-81.34	762.6	-371.4	847.4	838.3	9.05	93.660	
2,275.0	2,274.9	2,261.3	2,261.3	4.8	4.2	-81.42	762.6	-371.4	847.2	838.1	9.11	93.031	
2,300.0	2,299.9	2,286.3	2,286.3	4.9	4.2	-81.50	762.6	-371.4	847.0	837.9	9.17	92.414	
2,325.0	2,324.8	2,311.2	2,311.2	4.9	4.2	-81.60	762.6	-371.4	846.8	837.6	9.23	91.797	
2,350.0	2,349.8	2,336.2	2,336.2	4.9	4.2	-81.70	762.6	-371.4	846.6	837.3	9.28	91.191	
2,375.0	2,374.7	2,361.1	2,361.1	5.0	4.3	-81.80	762.6	-371.4	846.4	837.0	9.34	90.597	
2,400.0	2,399.7	2,386.1	2,386.1	5.0	4.3	-81.92	762.6	-371.4	846.2	836.8	9.40	90.015	
2,425.0	2,424.6	2,411.0	2,411.0	5.1	4.3	-82.04	762.6	-371.4	845.9	836.4	9.46	89.430	
2,450.0	2,449.5	2,435.9	2,435.9	5.1	4.3	-82.17	762.6	-371.4	845.6	836.1	9.52	88.857	
2,475.0	2,474.5	2,460.9	2,460.9	5.2	4.4	-82.31	762.6	-371.4	845.4	835.8	9.57	88.296	
2,500.0	2,499.4	2,485.8	2,485.8	5.2	4.4	-82.46	762.6	-371.4	845.1	835.5	9.63	87.745	
2,525.0	2,524.3	2,510.7	2,510.7	5.3	4.4	-87.44	762.6	-371.4	844.9	835.2	9.71	87.046	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,538.9	2,538.1	2,524.5	2,524.5	5.3	4.4	-90.00	762.6	-371.4	844.9	835.1	9.75	86.672	
2,550.0	2,549.2	2,535.6	2,535.6	5.4	4.4	-91.96	762.6	-371.4	844.9	835.1	9.78	86.378	
2,575.0	2,574.0	2,560.4	2,560.4	5.4	4.5	-96.04	762.6	-371.4	845.1	835.2	9.86	85.741	
2,600.0	2,598.9	2,585.3	2,585.3	5.5	4.5	-99.71	762.6	-371.4	845.4	835.5	9.93	85.135	
2,625.0	2,623.7	2,610.1	2,610.1	5.5	4.5	-103.01	762.6	-371.4	846.0	836.0	9.99	84.644	
2,650.0	2,648.6	2,635.0	2,635.0	5.6	4.5	-105.99	762.6	-371.4	846.7	836.6	10.06	84.181	
2,675.0	2,673.4	2,659.8	2,659.8	5.7	4.6	-108.68	762.6	-371.4	847.6	837.5	10.12	83.745	
2,700.0	2,698.2	2,684.6	2,684.6	5.7	4.6	-111.12	762.6	-371.4	848.8	838.6	10.18	83.336	
2,717.4	2,715.4	2,701.8	2,701.8	5.7	4.6	-112.68	762.6	-371.4	849.7	839.5	10.20	83.276	
2,725.0	2,722.9	2,709.3	2,709.3	5.7	4.6	-112.75	762.6	-371.4	850.1	839.8	10.22	83.182	
2,750.0	2,747.7	2,734.1	2,734.1	5.8	4.6	-112.96	762.6	-371.4	851.4	841.2	10.27	82.875	
2,775.0	2,772.4	2,758.8	2,758.8	5.9	4.7	-113.18	762.6	-371.4	852.8	842.5	10.33	82.573	
2,800.0	2,797.2	2,783.6	2,783.6	5.9	4.7	-113.39	762.6	-371.4	854.2	843.8	10.38	82.274	
2,825.0	2,822.0	2,808.4	2,808.4	6.0	4.7	-113.60	762.6	-371.4	855.6	845.2	10.44	81.958	
2,850.0	2,846.7	2,833.1	2,833.1	6.0	4.7	-113.81	762.6	-371.4	857.0	846.5	10.50	81.646	
2,875.0	2,871.5	2,857.9	2,857.9	6.1	4.8	-114.02	762.6	-371.4	858.4	847.9	10.55	81.337	
2,900.0	2,896.2	2,882.6	2,882.6	6.2	4.8	-114.23	762.6	-371.4	859.9	849.2	10.61	81.031	
2,925.0	2,921.0	2,907.4	2,907.4	6.3	4.8	-114.44	762.6	-371.4	861.3	850.6	10.67	80.717	
2,950.0	2,945.7	2,932.1	2,932.1	6.3	4.8	-114.65	762.6	-371.4	862.8	852.0	10.73	80.406	
2,975.0	2,970.5	2,956.9	2,956.9	6.4	4.9	-114.86	762.6	-371.4	864.2	853.4	10.79	80.098	
3,000.0	2,995.2	2,981.6	2,981.6	6.5	4.9	-115.07	762.6	-371.4	865.7	854.9	10.85	79.793	
3,025.0	3,020.0	3,006.4	3,006.4	6.6	4.9	-115.27	762.6	-371.4	867.2	856.3	10.91	79.480	
3,050.0	3,044.8	3,031.2	3,031.2	6.6	4.9	-115.48	762.6	-371.4	868.7	857.7	10.97	79.170	
3,075.0	3,069.5	3,055.9	3,055.9	6.7	5.0	-115.68	762.6	-371.4	870.2	859.2	11.03	78.863	
3,100.0	3,094.3	3,080.7	3,080.7	6.8	5.0	-115.89	762.6	-371.4	871.7	860.6	11.10	78.558	
3,125.0	3,119.0	3,105.4	3,105.4	6.9	5.0	-116.09	762.6	-371.4	873.3	862.1	11.16	78.246	
3,150.0	3,143.8	3,130.2	3,130.2	7.0	5.0	-116.30	762.6	-371.4	874.8	863.6	11.22	77.937	
3,175.0	3,168.5	3,154.9	3,154.9	7.1	5.1	-116.50	762.6	-371.4	876.4	865.1	11.29	77.630	
3,200.0	3,193.3	3,179.7	3,179.7	7.1	5.1	-116.70	762.6	-371.4	878.0	866.6	11.35	77.326	
3,225.0	3,218.1	3,204.5	3,204.5	7.2	5.1	-116.90	762.6	-371.4	879.5	868.1	11.42	77.015	
3,250.0	3,242.8	3,229.2	3,229.2	7.3	5.1	-117.10	762.6	-371.4	881.1	869.6	11.49	76.707	
3,275.0	3,267.6	3,254.0	3,254.0	7.4	5.2	-117.30	762.6	-371.4	882.7	871.2	11.55	76.401	
3,300.0	3,292.3	3,278.7	3,278.7	7.5	5.2	-117.50	762.6	-371.4	884.3	872.7	11.62	76.097	
3,325.0	3,317.1	3,303.5	3,303.5	7.6	5.2	-117.70	762.6	-371.4	886.0	874.3	11.69	75.788	
3,350.0	3,341.8	3,328.2	3,328.2	7.7	5.2	-117.89	762.6	-371.4	887.6	875.8	11.76	75.480	
3,375.0	3,366.6	3,353.0	3,353.0	7.8	5.3	-118.09	762.6	-371.4	889.3	877.4	11.83	75.175	
3,400.0	3,391.4	3,377.8	3,377.8	7.9	5.3	-118.29	762.6	-371.4	890.9	879.0	11.90	74.872	
3,425.0	3,416.1	3,402.5	3,402.5	8.0	5.3	-118.48	762.6	-371.4	892.6	880.6	11.97	74.564	
3,450.0	3,440.9	3,427.3	3,427.3	8.0	5.4	-118.68	762.6	-371.4	894.3	882.2	12.04	74.258	
3,475.0	3,465.6	3,452.0	3,452.0	8.1	5.4	-118.87	762.6	-371.4	895.9	883.8	12.11	73.954	
3,500.0	3,490.4	3,476.8	3,476.8	8.2	5.4	-119.06	762.6	-371.4	897.6	885.4	12.19	73.652	
3,525.0	3,515.1	3,501.5	3,501.5	8.3	5.4	-119.26	762.6	-371.4	899.3	887.1	12.26	73.346	
3,550.0	3,539.9	3,526.3	3,526.3	8.4	5.5	-119.45	762.6	-371.4	901.1	888.7	12.34	73.042	
3,575.0	3,564.7	3,551.1	3,551.1	8.5	5.5	-119.64	762.6	-371.4	902.8	890.4	12.41	72.739	
3,600.0	3,589.4	3,575.8	3,575.8	8.6	5.5	-119.83	762.6	-371.4	904.5	892.0	12.49	72.438	
3,625.0	3,614.2	3,600.6	3,600.6	8.7	5.5	-120.02	762.6	-371.4	906.3	893.7	12.56	72.134	
3,650.0	3,638.9	3,625.3	3,625.3	8.8	5.6	-120.21	762.6	-371.4	908.0	895.4	12.64	71.832	
3,675.0	3,663.7	3,650.1	3,650.1	8.9	5.6	-120.39	762.6	-371.4	909.8	897.1	12.72	71.532	
3,700.0	3,688.4	3,674.8	3,674.8	9.0	5.6	-120.58	762.6	-371.4	911.6	898.8	12.80	71.233	
3,725.0	3,713.2	3,699.6	3,699.6	9.1	5.7	-120.77	762.6	-371.4	913.4	900.5	12.88	70.932	
3,750.0	3,737.9	3,724.3	3,724.3	9.2	5.7	-120.95	762.6	-371.4	915.2	902.2	12.96	70.632	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,749.1	3,749.1	9.3	5.7	-121.14	762.6	-371.4	917.0	903.9	13.04	70.335	
3,800.0	3,787.5	3,773.9	3,773.9	9.4	5.7	-121.32	762.6	-371.4	918.8	905.7	13.12	70.038	
3,825.0	3,812.2	3,798.6	3,798.6	9.5	5.8	-121.51	762.6	-371.4	920.6	907.4	13.20	69.740	
3,850.0	3,837.0	3,823.4	3,823.4	9.6	5.8	-121.69	762.6	-371.4	922.5	909.2	13.28	69.444	
3,875.0	3,861.7	3,848.1	3,848.1	9.7	5.8	-121.87	762.6	-371.4	924.3	910.9	13.37	69.149	
3,900.0	3,886.5	3,872.9	3,872.9	9.8	5.9	-122.05	762.6	-371.4	926.2	912.7	13.45	68.856	
3,925.0	3,911.2	3,897.6	3,897.6	9.9	5.9	-122.23	762.6	-371.4	928.0	914.5	13.54	68.561	
3,950.0	3,936.0	3,922.4	3,922.4	10.0	5.9	-122.42	762.6	-371.4	929.9	916.3	13.62	68.268	
3,975.0	3,960.8	3,947.2	3,947.2	10.1	5.9	-122.59	762.6	-371.4	931.8	918.1	13.71	67.977	
4,000.0	3,985.5	3,971.9	3,971.9	10.2	6.0	-122.77	762.6	-371.4	933.7	919.9	13.79	67.687	
4,025.0	4,010.3	3,996.7	3,996.7	10.3	6.0	-122.95	762.6	-371.4	935.6	921.7	13.88	67.396	
4,050.0	4,035.0	4,021.4	4,021.4	10.4	6.0	-123.13	762.6	-371.4	937.5	923.5	13.97	67.107	
4,075.0	4,059.8	4,046.2	4,046.2	10.5	6.0	-123.30	762.6	-371.4	939.4	925.3	14.06	66.820	
4,100.0	4,084.5	4,070.9	4,070.9	10.6	6.1	-123.48	762.6	-371.4	941.3	927.2	14.15	66.535	
4,125.0	4,109.3	4,095.7	4,095.7	10.7	6.1	-123.66	762.6	-371.4	943.3	929.0	14.24	66.248	
4,150.0	4,134.1	4,120.5	4,120.5	10.8	6.1	-123.83	762.6	-371.4	945.2	930.9	14.33	65.964	
4,175.0	4,158.8	4,145.2	4,145.2	10.9	6.2	-124.00	762.6	-371.4	947.2	932.7	14.42	65.681	
4,200.0	4,183.6	4,170.0	4,170.0	11.0	6.2	-124.18	762.6	-371.4	949.1	934.6	14.51	65.400	
4,225.0	4,208.3	4,194.7	4,194.7	11.1	6.2	-124.35	762.6	-371.4	951.1	936.5	14.61	65.118	
4,250.0	4,233.1	4,219.5	4,219.5	11.2	6.2	-124.52	762.6	-371.4	953.1	938.4	14.70	64.839	
4,275.0	4,257.8	4,244.2	4,244.2	11.3	6.3	-124.69	762.6	-371.4	955.1	940.3	14.79	64.561	
4,300.0	4,282.6	4,269.0	4,269.0	11.4	6.3	-124.86	762.6	-371.4	957.1	942.2	14.89	64.285	
4,325.0	4,307.4	4,293.8	4,293.8	11.5	6.3	-125.03	762.6	-371.4	959.1	944.1	14.97	64.053	
4,350.0	4,332.1	4,318.5	4,318.5	11.6	6.4	-125.20	762.6	-371.4	961.1	946.0	15.06	63.823	
4,365.6	4,347.6	4,334.0	4,334.0	11.6	6.4	-125.30	762.6	-371.4	962.4	947.2	15.11	63.679	
4,375.0	4,356.9	4,343.3	4,343.3	11.7	6.4	-125.37	762.6	-371.4	963.1	948.0	15.14	63.604	
4,400.0	4,381.6	4,368.0	4,368.0	11.7	6.4	-125.55	762.6	-371.4	965.1	949.9	15.22	63.401	
4,425.0	4,406.4	4,392.8	4,392.8	11.8	6.4	-125.73	762.6	-371.4	967.0	951.7	15.32	63.128	
4,450.0	4,431.2	4,417.6	4,417.6	11.9	6.5	-125.89	762.6	-371.4	968.9	953.5	15.41	62.854	
4,475.0	4,456.0	4,442.4	4,442.4	12.0	6.5	-126.05	762.6	-371.4	970.7	955.2	15.51	62.579	
4,500.0	4,480.9	4,467.3	4,467.3	12.1	6.5	-126.21	762.6	-371.4	972.4	956.8	15.61	62.303	
4,525.0	4,505.7	4,492.1	4,492.1	12.2	6.6	-126.35	762.6	-371.4	974.1	958.4	15.70	62.034	
4,550.0	4,530.5	4,516.9	4,516.9	12.3	6.6	-126.50	762.6	-371.4	975.7	959.9	15.80	61.764	
4,575.0	4,555.4	4,541.8	4,541.8	12.4	6.6	-126.63	762.6	-371.4	977.3	961.4	15.89	61.493	
4,600.0	4,580.3	4,566.7	4,566.7	12.5	6.7	-126.76	762.6	-371.4	978.8	962.8	15.99	61.221	
4,625.0	4,605.2	4,591.6	4,591.6	12.6	6.7	-126.89	762.6	-371.4	980.3	964.2	16.08	60.957	
4,650.0	4,630.1	4,616.5	4,616.5	12.7	6.7	-127.00	762.6	-371.4	981.7	965.5	16.17	60.693	
4,675.0	4,655.0	4,641.4	4,641.4	12.8	6.7	-127.12	762.6	-371.4	983.0	966.7	16.27	60.427	
4,700.0	4,679.9	4,666.3	4,666.3	12.9	6.8	-127.22	762.6	-371.4	984.2	967.9	16.36	60.161	
4,725.0	4,704.8	4,691.2	4,691.2	13.0	6.8	-127.32	762.6	-371.4	985.4	969.0	16.45	59.904	
4,750.0	4,729.7	4,716.1	4,716.1	13.1	6.8	-127.42	762.6	-371.4	986.6	970.0	16.54	59.646	
4,775.0	4,754.7	4,741.1	4,741.1	13.2	6.9	-127.51	762.6	-371.4	987.6	971.0	16.63	59.388	
4,800.0	4,779.6	4,766.0	4,766.0	13.3	6.9	-127.59	762.6	-371.4	988.7	971.9	16.72	59.129	
4,825.0	4,804.6	4,791.0	4,791.0	13.4	6.9	-127.67	762.6	-371.4	989.6	972.8	16.81	58.881	
4,850.0	4,829.5	4,815.9	4,815.9	13.4	6.9	-127.74	762.6	-371.4	990.5	973.6	16.89	58.632	
4,875.0	4,854.5	4,840.9	4,840.9	13.5	7.0	-127.81	762.6	-371.4	991.3	974.3	16.98	58.383	
4,900.0	4,879.5	4,865.9	4,865.9	13.6	7.0	-127.87	762.6	-371.4	992.0	975.0	17.06	58.132	
4,925.0	4,904.4	4,890.8	4,890.8	13.7	7.0	-127.93	762.6	-371.4	992.7	975.6	17.15	57.896	
4,950.0	4,929.4	4,915.8	4,915.8	13.8	7.1	-127.98	762.6	-371.4	993.3	976.1	17.23	57.659	
4,975.0	4,954.4	4,940.8	4,940.8	13.9	7.1	-128.02	762.6	-371.4	993.9	976.6	17.31	57.421	
5,000.0	4,979.4	4,965.8	4,965.8	13.9	7.1	-128.06	762.6	-371.4	994.3	977.0	17.39	57.183	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,025.0	5,004.4	4,990.8	4,990.8	14.0	7.2	-128.09	762.6	-371.4	994.8	977.3	17.46	56.964	
5,050.0	5,029.4	5,015.8	5,015.8	14.1	7.2	-128.12	762.6	-371.4	995.1	977.6	17.54	56.744	
5,075.0	5,054.4	5,040.8	5,040.8	14.1	7.2	-128.14	762.6	-371.4	995.4	977.8	17.61	56.524	
5,100.0	5,079.4	5,065.8	5,065.8	14.2	7.2	-128.16	762.6	-371.4	995.6	977.9	17.68	56.302	
5,125.0	5,104.4	5,090.8	5,090.8	14.2	7.3	-128.17	762.6	-371.4	995.7	978.0	17.73	56.167	
5,150.0	5,129.4	5,115.8	5,115.8	14.3	7.3	-128.18	762.6	-371.4	995.8	978.0	17.77	56.031	
5,165.6	5,145.0	5,131.4	5,131.4	14.3	7.3	-44.31	762.6	-371.4	995.8	978.0	17.80	55.945	
5,175.0	5,154.4	5,140.8	5,140.8	14.3	7.3	-44.31	762.6	-371.4	995.8	978.0	17.81	55.917	
5,200.0	5,179.4	5,165.8	5,165.8	14.3	7.4	-44.31	762.6	-371.4	995.8	978.0	17.83	55.844	
5,225.0	5,204.4	5,190.8	5,190.8	14.3	7.4	-44.31	762.6	-371.4	995.8	978.0	17.87	55.725	
5,250.0	5,229.4	5,215.8	5,215.8	14.3	7.4	-44.31	762.6	-371.4	995.8	977.9	17.91	55.606	
5,275.0	5,254.4	5,240.8	5,240.8	14.3	7.5	-44.31	762.6	-371.4	995.8	977.9	17.95	55.487	
5,300.0	5,279.4	5,265.8	5,265.8	14.4	7.5	-44.31	762.6	-371.4	995.8	977.8	17.99	55.369	
5,325.0	5,304.4	5,290.8	5,290.8	14.4	7.5	-44.31	762.6	-371.4	995.8	977.8	18.02	55.251	
5,350.0	5,329.4	5,315.8	5,315.8	14.4	7.5	-44.31	762.6	-371.4	995.8	977.8	18.06	55.133	
5,375.0	5,354.4	5,340.8	5,340.8	14.4	7.6	-44.31	762.6	-371.4	995.8	977.7	18.10	55.016	
5,400.0	5,379.4	5,365.8	5,365.8	14.4	7.6	-44.31	762.6	-371.4	995.8	977.7	18.14	54.899	
5,425.0	5,404.4	5,390.8	5,390.8	14.4	7.6	-44.31	762.6	-371.4	995.8	977.6	18.18	54.783	
5,450.0	5,429.4	5,415.8	5,415.8	14.4	7.7	-44.31	762.6	-371.4	995.8	977.6	18.22	54.667	
5,475.0	5,454.4	5,440.8	5,440.8	14.5	7.7	-44.31	762.6	-371.4	995.8	977.6	18.25	54.551	
5,500.0	5,479.4	5,465.8	5,465.8	14.5	7.7	-44.31	762.6	-371.4	995.8	977.5	18.29	54.436	
5,525.0	5,504.4	5,490.8	5,490.8	14.5	7.8	-44.31	762.6	-371.4	995.8	977.5	18.33	54.321	
5,550.0	5,529.4	5,516.9	5,516.9	14.5	7.8	-44.31	762.6	-371.4	995.8	977.4	18.37	54.206	
5,575.0	5,554.4	5,543.7	5,543.7	14.5	7.8	-44.29	762.8	-371.1	995.8	977.4	18.41	54.098	
5,600.0	5,579.4	5,570.5	5,570.5	14.5	7.8	-44.26	763.1	-370.7	995.7	977.2	18.44	53.997	
5,625.0	5,604.4	5,597.3	5,597.3	14.5	7.9	-44.22	763.5	-370.0	995.5	977.1	18.47	53.903	
5,650.0	5,629.4	5,624.1	5,624.1	14.6	7.9	-44.16	764.1	-369.1	995.3	976.8	18.50	53.815	
5,675.0	5,654.4	5,650.9	5,650.8	14.6	7.9	-44.08	764.8	-368.1	995.1	976.6	18.52	53.732	
5,700.0	5,679.4	5,677.6	5,677.5	14.6	7.9	-44.00	765.6	-366.8	994.8	976.3	18.54	53.652	
5,725.0	5,704.4	5,704.3	5,704.1	14.6	8.0	-43.90	766.6	-365.3	994.5	976.0	18.56	53.577	
5,750.0	5,729.4	5,729.1	5,728.9	14.6	8.0	-43.80	767.5	-363.8	994.2	975.6	18.58	53.499	
5,775.0	5,754.4	5,754.0	5,753.7	14.6	8.0	-43.70	768.5	-362.4	993.9	975.3	18.60	53.423	
5,800.0	5,779.4	5,779.0	5,778.6	14.6	8.0	-43.60	769.4	-360.9	993.5	974.9	18.62	53.348	
5,825.0	5,804.4	5,803.9	5,803.5	14.6	8.0	-43.50	770.4	-359.4	993.2	974.6	18.64	53.273	
5,850.0	5,829.4	5,828.8	5,828.4	14.7	8.1	-43.40	771.3	-357.9	992.9	974.2	18.66	53.196	
5,875.0	5,854.4	5,853.8	5,853.2	14.7	8.1	-43.30	772.3	-356.5	992.6	973.9	18.69	53.120	
5,900.0	5,879.4	5,878.7	5,878.1	14.7	8.1	-43.20	773.3	-355.0	992.3	973.6	18.71	53.045	
5,925.0	5,904.4	5,903.7	5,903.0	14.7	8.1	-43.10	774.2	-353.5	992.0	973.2	18.73	52.971	
5,950.0	5,929.4	5,928.6	5,927.9	14.7	8.1	-43.00	775.2	-352.1	991.6	972.9	18.75	52.894	
5,975.0	5,954.4	5,953.5	5,952.7	14.7	8.2	-42.90	776.1	-350.6	991.3	972.6	18.77	52.818	
6,000.0	5,979.4	5,978.5	5,977.6	14.7	8.2	-42.80	777.1	-349.1	991.0	972.3	18.79	52.743	
6,025.0	6,004.4	6,003.4	6,002.5	14.8	8.2	-42.70	778.0	-347.6	990.7	971.9	18.81	52.668	
6,050.0	6,029.4	6,028.3	6,027.4	14.8	8.2	-42.60	779.0	-346.2	990.4	971.6	18.83	52.591	
6,075.0	6,054.4	6,053.3	6,052.2	14.8	8.2	-42.50	780.0	-344.7	990.2	971.3	18.85	52.515	
6,100.0	6,079.4	6,078.2	6,077.1	14.8	8.3	-42.40	780.9	-343.2	989.9	971.0	18.88	52.440	
6,125.0	6,104.4	6,103.2	6,102.0	14.8	8.3	-42.30	781.9	-341.8	989.6	970.7	18.90	52.365	
6,150.0	6,129.4	6,128.1	6,126.9	14.8	8.3	-42.20	782.8	-340.3	989.3	970.4	18.92	52.289	
6,175.0	6,154.4	6,153.0	6,151.7	14.8	8.3	-42.10	783.8	-338.8	989.0	970.1	18.94	52.213	
6,200.0	6,179.4	6,178.0	6,176.6	14.9	8.4	-42.00	784.7	-337.4	988.7	969.8	18.96	52.138	
6,225.0	6,204.4	6,202.9	6,201.5	14.9	8.4	-41.90	785.7	-335.9	988.5	969.5	18.99	52.062	
6,250.0	6,229.4	6,227.8	6,226.4	14.9	8.4	-41.80	786.7	-334.4	988.2	969.2	19.01	51.986	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,252.8	6,251.2	14.9	8.4	-41.70	787.6	-332.9	987.9	968.9	19.03	51.911	
6,300.0	6,279.4	6,277.7	6,276.1	14.9	8.4	-41.60	788.6	-331.5	987.7	968.6	19.05	51.835	
6,325.0	6,304.4	6,302.7	6,301.0	14.9	8.5	-41.50	789.5	-330.0	987.4	968.3	19.08	51.760	
6,350.0	6,329.4	6,327.6	6,325.9	14.9	8.5	-41.40	790.5	-328.5	987.2	968.1	19.10	51.684	
6,375.0	6,354.4	6,352.5	6,350.8	15.0	8.5	-41.29	791.4	-327.1	986.9	967.8	19.12	51.608	
6,400.0	6,379.4	6,377.5	6,375.6	15.0	8.5	-41.19	792.4	-325.6	986.6	967.5	19.15	51.533	
6,425.0	6,404.4	6,402.4	6,400.5	15.0	8.6	-41.09	793.4	-324.1	986.4	967.2	19.17	51.458	
6,450.0	6,429.4	6,427.3	6,425.4	15.0	8.6	-40.99	794.3	-322.6	986.2	967.0	19.19	51.382	
6,475.0	6,454.4	6,452.3	6,450.3	15.0	8.6	-40.89	795.3	-321.2	985.9	966.7	19.22	51.307	
6,500.0	6,479.4	6,477.2	6,475.1	15.0	8.6	-40.79	796.2	-319.7	985.7	966.4	19.24	51.232	
6,525.0	6,504.4	6,502.2	6,500.0	15.0	8.6	-40.69	797.2	-318.2	985.4	966.2	19.26	51.157	
6,550.0	6,529.4	6,527.1	6,524.9	15.1	8.7	-40.59	798.1	-316.8	985.2	965.9	19.29	51.081	
6,575.0	6,554.4	6,552.0	6,549.8	15.1	8.7	-40.49	799.1	-315.3	985.0	965.7	19.31	51.006	
6,600.0	6,579.4	6,577.0	6,574.6	15.1	8.7	-40.38	800.1	-313.8	984.7	965.4	19.34	50.931	
6,625.0	6,604.4	6,601.9	6,599.5	15.1	8.7	-40.28	801.0	-312.3	984.5	965.2	19.36	50.856	
6,650.0	6,629.4	6,626.9	6,624.4	15.1	8.8	-40.18	802.0	-310.9	984.3	964.9	19.38	50.780	
6,675.0	6,654.4	6,651.8	6,649.3	15.1	8.8	-40.08	802.9	-309.4	984.1	964.7	19.41	50.705	
6,700.0	6,679.4	6,676.7	6,674.1	15.1	8.8	-39.98	803.9	-307.9	983.9	964.4	19.43	50.630	
6,725.0	6,704.4	6,701.7	6,699.0	15.2	8.8	-39.88	804.8	-306.5	983.7	964.2	19.46	50.555	
6,750.0	6,729.4	6,726.6	6,723.9	15.2	8.9	-39.78	805.8	-305.0	983.4	964.0	19.48	50.480	
6,775.0	6,754.4	6,751.5	6,748.8	15.2	8.9	-39.67	806.8	-303.5	983.2	963.7	19.51	50.405	
6,800.0	6,779.4	6,776.5	6,773.6	15.2	8.9	-39.57	807.7	-302.0	983.0	963.5	19.53	50.330	
6,825.0	6,804.4	6,801.4	6,798.5	15.2	8.9	-39.47	808.7	-300.6	982.8	963.3	19.56	50.256	
6,850.0	6,829.4	6,826.4	6,823.4	15.2	8.9	-39.37	809.6	-299.1	982.6	963.1	19.58	50.181	
6,875.0	6,854.4	6,851.3	6,848.3	15.2	9.0	-39.27	810.6	-297.6	982.5	962.8	19.61	50.106	
6,900.0	6,879.4	6,876.2	6,873.2	15.3	9.0	-39.17	811.5	-296.2	982.3	962.6	19.63	50.031	
6,925.0	6,904.4	6,901.2	6,898.0	15.3	9.0	-39.06	812.5	-294.7	982.1	962.4	19.66	49.957	
6,950.0	6,929.4	6,926.1	6,922.9	15.3	9.0	-38.96	813.5	-293.2	981.9	962.2	19.68	49.882	
6,975.0	6,954.4	6,951.0	6,947.8	15.3	9.1	-38.86	814.4	-291.7	981.7	962.0	19.71	49.807	
7,000.0	6,979.4	6,976.0	6,972.7	15.3	9.1	-38.76	815.4	-290.3	981.5	961.8	19.74	49.733	
7,025.0	7,004.4	7,000.9	6,997.5	15.3	9.1	-38.66	816.3	-288.8	981.4	961.6	19.76	49.659	
7,050.0	7,029.4	7,025.9	7,022.4	15.3	9.1	-38.55	817.3	-287.3	981.2	961.4	19.79	49.584	
7,075.0	7,054.4	7,050.8	7,047.3	15.4	9.2	-38.45	818.2	-285.9	981.0	961.2	19.81	49.509	
7,100.0	7,079.4	7,075.7	7,072.2	15.4	9.2	-38.35	819.2	-284.4	980.9	961.0	19.84	49.435	
7,125.0	7,104.4	7,100.7	7,097.0	15.4	9.2	-38.25	820.2	-282.9	980.7	960.8	19.87	49.361	
7,150.0	7,129.4	7,125.6	7,121.9	15.4	9.2	-38.15	821.1	-281.4	980.5	960.6	19.89	49.287	
7,175.0	7,154.4	7,150.6	7,146.8	15.4	9.3	-38.04	822.1	-280.0	980.4	960.5	19.92	49.213	
7,200.0	7,179.4	7,175.5	7,171.7	15.4	9.3	-37.94	823.0	-278.5	980.2	960.3	19.95	49.139	
7,225.0	7,204.4	7,200.4	7,196.5	15.4	9.3	-37.84	824.0	-277.0	980.1	960.1	19.98	49.065	
7,250.0	7,229.4	7,225.4	7,221.4	15.5	9.3	-37.74	824.9	-275.6	979.9	959.9	20.00	48.991	
7,275.0	7,254.4	7,250.3	7,246.3	15.5	9.4	-37.64	825.9	-274.1	979.8	959.8	20.03	48.917	
7,300.0	7,279.4	7,275.2	7,271.2	15.5	9.4	-37.53	826.9	-272.6	979.7	959.6	20.06	48.843	
7,325.0	7,304.4	7,300.2	7,296.0	15.5	9.4	-37.43	827.8	-271.1	979.5	959.4	20.08	48.770	
7,350.0	7,329.4	7,325.1	7,320.9	15.5	9.4	-37.33	828.8	-269.7	979.4	959.3	20.11	48.696	
7,375.0	7,354.4	7,350.1	7,345.8	15.5	9.5	-37.23	829.7	-268.2	979.3	959.1	20.14	48.622	
7,400.0	7,379.4	7,375.0	7,370.7	15.6	9.5	-37.12	830.7	-266.7	979.1	959.0	20.17	48.549	
7,425.0	7,404.4	7,399.9	7,395.6	15.6	9.5	-37.02	831.6	-265.3	979.0	958.8	20.20	48.475	
7,450.0	7,429.4	7,424.9	7,420.4	15.6	9.5	-36.92	832.6	-263.8	978.9	958.7	20.22	48.402	
7,475.0	7,454.4	7,449.8	7,445.3	15.6	9.6	-36.82	833.6	-262.3	978.8	958.5	20.25	48.328	
7,500.0	7,479.4	7,474.7	7,470.2	15.6	9.6	-36.71	834.5	-260.8	978.6	958.4	20.28	48.255	
7,525.0	7,504.4	7,499.7	7,495.1	15.6	9.6	-36.61	835.5	-259.4	978.5	958.2	20.31	48.182	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,524.6	7,519.9	15.6	9.6	-36.51	836.4	-257.9	978.4	958.1	20.34	48.109	
7,575.0	7,554.4	7,549.6	7,544.8	15.7	9.7	-36.41	837.4	-256.4	978.3	958.0	20.37	48.036	
7,600.0	7,579.4	7,574.5	7,569.7	15.7	9.7	-36.30	838.3	-255.0	978.2	957.8	20.40	47.963	
7,625.0	7,604.4	7,599.4	7,594.6	15.7	9.7	-36.20	839.3	-253.5	978.1	957.7	20.42	47.890	
7,650.0	7,629.4	7,624.4	7,619.4	15.7	9.7	-36.10	840.3	-252.0	978.0	957.6	20.45	47.817	
7,675.0	7,654.4	7,649.3	7,644.3	15.7	9.8	-36.00	841.2	-250.5	977.9	957.5	20.48	47.745	
7,700.0	7,679.4	7,674.2	7,669.2	15.7	9.8	-35.89	842.2	-249.1	977.8	957.3	20.51	47.672	
7,725.0	7,704.4	7,699.2	7,694.1	15.7	9.8	-35.79	843.1	-247.6	977.8	957.2	20.54	47.600	
7,750.0	7,729.4	7,724.1	7,718.9	15.8	9.8	-35.69	844.1	-246.1	977.7	957.1	20.57	47.527	
7,775.0	7,754.4	7,749.1	7,743.8	15.8	9.9	-35.58	845.0	-244.7	977.6	957.0	20.60	47.455	
7,800.0	7,779.4	7,774.0	7,768.7	15.8	9.9	-35.48	846.0	-243.2	977.5	956.9	20.63	47.382	
7,825.0	7,804.4	7,798.9	7,793.6	15.8	9.9	-35.38	847.0	-241.7	977.4	956.8	20.66	47.310	
7,850.0	7,829.4	7,823.9	7,818.4	15.8	9.9	-35.28	847.9	-240.2	977.4	956.7	20.69	47.238	
7,875.0	7,854.4	7,848.8	7,843.3	15.8	10.0	-35.17	848.9	-238.8	977.3	956.6	20.72	47.166	
7,900.0	7,879.4	7,873.8	7,868.2	15.8	10.0	-35.07	849.8	-237.3	977.2	956.5	20.75	47.094	
7,925.0	7,904.4	7,898.7	7,893.1	15.9	10.0	-34.97	850.8	-235.8	977.2	956.4	20.78	47.023	
7,950.0	7,929.4	7,923.6	7,918.0	15.9	10.0	-34.86	851.7	-234.4	977.1	956.3	20.81	46.951	
7,975.0	7,954.4	7,948.6	7,942.8	15.9	10.1	-34.76	852.7	-232.9	977.1	956.2	20.84	46.879	
8,000.0	7,979.4	7,973.5	7,967.7	15.9	10.1	-34.66	853.7	-231.4	977.0	956.1	20.87	46.808	
8,025.0	8,004.4	7,998.4	7,992.6	15.9	10.1	-34.56	854.6	-229.9	977.0	956.1	20.90	46.736	
8,050.0	8,029.4	8,023.4	8,017.5	15.9	10.1	-34.45	855.6	-228.5	976.9	956.0	20.93	46.665	
8,075.0	8,054.4	8,048.3	8,042.3	16.0	10.2	-34.35	856.5	-227.0	976.9	955.9	20.97	46.593	
8,100.0	8,079.4	8,073.3	8,067.2	16.0	10.2	-34.25	857.5	-225.5	976.8	955.8	21.00	46.522	
8,125.0	8,104.4	8,098.2	8,092.1	16.0	10.2	-34.14	858.4	-224.1	976.8	955.8	21.03	46.451	
8,150.0	8,129.4	8,123.1	8,117.0	16.0	10.2	-34.04	859.4	-222.6	976.8	955.7	21.06	46.380	
8,175.0	8,154.4	8,148.1	8,141.8	16.0	10.3	-33.94	860.3	-221.1	976.7	955.7	21.09	46.309	
8,200.0	8,179.4	8,173.0	8,166.7	16.0	10.3	-33.84	861.3	-219.6	976.7	955.6	21.12	46.239	
8,225.0	8,204.4	8,197.9	8,191.6	16.0	10.3	-33.73	862.3	-218.2	976.7	955.5	21.16	46.168	
8,250.0	8,229.4	8,222.9	8,216.5	16.1	10.3	-33.63	863.2	-216.7	976.7	955.5	21.19	46.097	
8,275.0	8,254.4	8,247.8	8,241.3	16.1	10.4	-33.53	864.2	-215.2	976.7	955.4	21.22	46.027	
8,300.0	8,279.4	8,272.8	8,266.2	16.1	10.4	-33.42	865.1	-213.8	976.6	955.4	21.25	45.957	
8,325.0	8,304.4	8,297.7	8,291.1	16.1	10.4	-33.32	866.1	-212.3	976.6	955.4	21.28	45.887	
8,350.0	8,329.4	8,322.6	8,316.0	16.1	10.5	-33.22	867.0	-210.8	976.6	955.3	21.32	45.816	
8,375.0	8,354.4	8,347.6	8,340.8	16.1	10.5	-33.11	868.0	-209.3	976.6	955.3	21.35	45.746	
8,392.8	8,372.1	8,365.3	8,358.5	16.1	10.5	-33.04	868.7	-208.3	976.6	955.3	21.37	45.697	
8,400.0	8,379.4	8,372.5	8,365.7	16.2	10.5	-33.01	869.0	-207.9	976.6	955.2	21.38	45.676	
8,425.0	8,404.4	8,397.5	8,390.6	16.2	10.5	-32.91	869.9	-206.4	976.6	955.2	21.41	45.607	
8,450.0	8,429.4	8,422.4	8,415.5	16.2	10.6	-32.81	870.9	-204.9	976.6	955.2	21.45	45.537	
8,475.0	8,454.4	8,447.3	8,440.4	16.2	10.6	-32.70	871.8	-203.5	976.6	955.2	21.48	45.467	
8,500.0	8,479.4	8,472.3	8,465.2	16.2	10.6	-32.60	872.8	-202.0	976.7	955.1	21.51	45.398	
8,525.0	8,504.4	8,497.2	8,490.1	16.2	10.6	-32.50	873.7	-200.5	976.7	955.1	21.55	45.328	
8,550.0	8,529.4	8,522.1	8,515.0	16.2	10.7	-32.39	874.7	-199.0	976.7	955.1	21.58	45.259	
8,575.0	8,554.4	8,547.1	8,539.9	16.3	10.7	-32.29	875.7	-197.6	976.7	955.1	21.61	45.190	
8,600.0	8,579.4	8,572.0	8,564.7	16.3	10.7	-32.19	876.6	-196.1	976.7	955.1	21.65	45.121	
8,625.0	8,604.4	8,597.0	8,589.6	16.3	10.7	-32.08	877.6	-194.6	976.8	955.1	21.68	45.052	
8,650.0	8,629.4	8,621.9	8,614.5	16.3	10.8	-31.98	878.5	-193.2	976.8	955.1	21.71	44.983	
8,675.0	8,654.4	8,646.8	8,639.4	16.3	10.8	-31.88	879.5	-191.7	976.8	955.1	21.75	44.914	
8,700.0	8,679.4	8,671.8	8,664.2	16.3	10.8	-31.78	880.4	-190.2	976.9	955.1	21.78	44.846	
8,725.0	8,704.4	8,696.7	8,689.1	16.4	10.9	-31.67	881.4	-188.7	976.9	955.1	21.82	44.778	
8,750.0	8,729.4	8,721.6	8,714.0	16.4	10.9	-31.57	882.4	-187.3	977.0	955.1	21.85	44.709	
8,775.0	8,754.4	8,746.6	8,738.9	16.4	10.9	-31.47	883.3	-185.8	977.0	955.1	21.89	44.641	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,800.0	8,779.4	8,771.5	8,763.7	16.4	10.9	-31.36	884.3	-184.3	977.0	955.1	21.92	44.573	
8,825.0	8,804.4	8,796.5	8,788.6	16.4	11.0	-31.26	885.2	-182.9	977.1	955.1	21.95	44.505	
8,850.0	8,829.4	8,821.4	8,813.5	16.4	11.0	-31.16	886.2	-181.4	977.2	955.2	21.99	44.437	
8,875.0	8,854.4	8,846.3	8,838.4	16.4	11.0	-31.06	887.1	-179.9	977.2	955.2	22.02	44.369	
8,900.0	8,879.4	8,871.3	8,863.2	16.5	11.0	-30.95	888.1	-178.4	977.3	955.2	22.06	44.302	
8,925.0	8,904.4	8,896.2	8,888.1	16.5	11.1	-30.85	889.1	-177.0	977.3	955.3	22.09	44.234	
8,950.0	8,929.4	8,921.1	8,913.0	16.5	11.1	-30.75	890.0	-175.5	977.4	955.3	22.13	44.167	
8,975.0	8,954.4	8,946.1	8,937.9	16.5	11.1	-30.64	891.0	-174.0	977.5	955.3	22.17	44.100	
9,000.0	8,979.4	8,971.0	8,962.8	16.5	11.1	-30.54	891.9	-172.6	977.6	955.4	22.20	44.033	
9,025.0	9,004.4	8,996.0	8,987.6	16.5	11.2	-30.44	892.9	-171.1	977.6	955.4	22.24	43.966	
9,050.0	9,029.4	9,020.9	9,012.5	16.6	11.2	-30.34	893.8	-169.6	977.7	955.5	22.27	43.899	
9,075.0	9,054.4	9,045.8	9,037.4	16.6	11.2	-30.23	894.8	-168.1	977.8	955.5	22.31	43.832	
9,100.0	9,079.4	9,070.8	9,062.3	16.6	11.3	-30.13	895.8	-166.7	977.9	955.6	22.34	43.766	
9,125.0	9,104.4	9,095.7	9,087.1	16.6	11.3	-30.03	896.7	-165.2	978.0	955.6	22.38	43.699	
9,150.0	9,129.4	9,120.7	9,112.0	16.6	11.3	-29.93	897.7	-163.7	978.1	955.7	22.42	43.633	
9,175.0	9,154.4	9,145.6	9,136.9	16.6	11.3	-29.82	898.6	-162.3	978.2	955.7	22.45	43.567	
9,200.0	9,179.4	9,170.5	9,161.8	16.6	11.4	-29.72	899.6	-160.8	978.3	955.8	22.49	43.501	
9,225.0	9,204.4	9,195.5	9,186.6	16.7	11.4	-29.62	900.5	-159.3	978.4	955.9	22.53	43.435	
9,250.0	9,229.4	9,220.4	9,211.5	16.7	11.4	-29.51	901.5	-157.8	978.5	955.9	22.56	43.369	
9,275.0	9,254.4	9,245.3	9,236.4	16.7	11.5	-29.41	902.5	-156.4	978.6	956.0	22.60	43.303	
9,300.0	9,279.4	9,270.3	9,261.3	16.7	11.5	-29.31	903.4	-154.9	978.7	956.1	22.64	43.238	
9,325.0	9,304.4	9,295.2	9,286.1	16.7	11.5	-29.21	904.4	-153.4	978.8	956.2	22.67	43.172	
9,350.0	9,329.4	9,320.2	9,311.0	16.7	11.5	-29.10	905.3	-152.0	978.9	956.2	22.71	43.107	
9,375.0	9,354.4	9,345.1	9,335.9	16.8	11.6	-29.00	906.3	-150.5	979.1	956.3	22.75	43.042	
9,400.0	9,379.4	9,370.0	9,360.8	16.8	11.6	-28.90	907.2	-149.0	979.2	956.4	22.78	42.977	
9,425.0	9,404.4	9,395.0	9,385.6	16.8	11.6	-28.80	908.2	-147.5	979.3	956.5	22.82	42.912	
9,450.0	9,429.4	9,419.9	9,410.5	16.8	11.6	-28.70	909.2	-146.1	979.5	956.6	22.86	42.847	
9,475.0	9,454.4	9,444.8	9,435.4	16.8	11.7	-28.59	910.1	-144.6	979.6	956.7	22.90	42.783	
9,500.0	9,479.4	9,469.8	9,460.3	16.8	11.7	-28.49	911.1	-143.1	979.7	956.8	22.93	42.718	
9,525.0	9,504.4	9,494.7	9,485.2	16.8	11.7	-28.39	912.0	-141.7	979.9	956.9	22.97	42.654	
9,550.0	9,529.4	9,519.7	9,510.0	16.9	11.8	-28.29	913.0	-140.2	980.0	957.0	23.01	42.590	
9,575.0	9,554.4	9,544.6	9,534.9	16.9	11.8	-28.18	913.9	-138.7	980.2	957.1	23.05	42.526	
9,600.0	9,579.4	9,569.5	9,559.8	16.9	11.8	-28.08	914.9	-137.3	980.3	957.2	23.09	42.462	
9,625.0	9,604.4	9,594.5	9,584.7	16.9	11.8	-27.98	915.9	-135.8	980.5	957.3	23.13	42.398	
9,650.0	9,629.4	9,619.4	9,609.5	16.9	11.9	-27.88	916.8	-134.3	980.6	957.5	23.16	42.335	
9,675.0	9,654.4	9,644.4	9,634.4	16.9	11.9	-27.77	917.8	-132.8	980.8	957.6	23.20	42.271	
9,700.0	9,679.4	9,669.3	9,659.3	17.0	11.9	-27.67	918.7	-131.4	981.0	957.7	23.24	42.208	
9,725.0	9,704.4	9,694.2	9,684.2	17.0	12.0	-27.57	919.7	-129.9	981.1	957.8	23.28	42.145	
9,750.0	9,729.4	9,719.2	9,709.0	17.0	12.0	-27.47	920.6	-128.4	981.3	958.0	23.32	42.082	
9,775.0	9,754.4	9,744.1	9,733.9	17.0	12.0	-27.37	921.6	-127.0	981.5	958.1	23.36	42.019	
9,800.0	9,779.4	9,769.0	9,758.8	17.0	12.0	-27.26	922.6	-125.5	981.6	958.2	23.40	41.956	
9,825.0	9,804.4	9,794.0	9,783.7	17.0	12.1	-27.16	923.5	-124.0	981.8	958.4	23.44	41.894	
9,850.0	9,829.4	9,818.9	9,808.5	17.1	12.1	-27.06	924.5	-122.5	982.0	958.5	23.48	41.831	
9,875.0	9,854.4	9,843.9	9,833.4	17.1	12.1	-26.96	925.4	-121.1	982.2	958.7	23.51	41.769	
9,900.0	9,879.4	9,868.8	9,858.3	17.1	12.1	-26.86	926.4	-119.6	982.4	958.8	23.55	41.707	
9,925.0	9,904.4	11,444.2	10,777.7	17.1	13.7	-91.20	41.9	-60.5	966.8	927.6	39.26	24.628	
9,950.0	9,929.4	11,444.0	10,777.7	17.1	13.7	-91.18	42.1	-60.5	944.0	904.7	39.24	24.059	
9,975.0	9,954.4	11,443.8	10,777.7	17.1	13.7	-91.15	42.3	-60.5	921.2	882.0	39.21	23.495	
10,000.0	9,979.4	11,443.6	10,777.7	17.1	13.7	-91.12	42.5	-60.5	898.5	859.4	39.17	22.938	
10,025.0	10,004.4	11,443.4	10,777.7	17.2	13.7	-91.10	42.6	-60.5	876.0	836.9	39.13	22.387	
10,050.0	10,029.4	11,443.3	10,777.7	17.2	13.7	-91.07	42.8	-60.5	853.6	814.5	39.08	21.843	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,075.0	10,054.4	11,443.1	10,777.7	17.2	13.7	-91.04	43.0	-60.5	831.4	792.4	39.02	21.307	
10,100.0	10,079.4	11,442.9	10,777.7	17.2	13.7	-91.02	43.2	-60.5	809.3	770.3	38.95	20.779	
10,125.0	10,104.4	11,442.7	10,777.7	17.2	13.7	-90.99	43.3	-60.5	787.4	748.5	38.87	20.259	
10,150.0	10,129.4	11,442.6	10,777.7	17.2	13.7	-90.97	43.5	-60.5	765.7	726.9	38.77	19.748	
10,175.0	10,154.4	11,442.4	10,777.8	17.3	13.7	-90.94	43.7	-60.5	744.2	705.5	38.67	19.246	
10,200.0	10,179.4	11,442.2	10,777.8	17.3	13.7	-90.91	43.9	-60.5	722.9	684.3	38.54	18.755	
10,225.0	10,204.4	11,442.0	10,777.8	17.3	13.7	-90.89	44.0	-60.5	701.8	663.4	38.41	18.275	
10,250.0	10,229.4	11,441.9	10,777.8	17.3	13.7	-90.86	44.2	-60.5	681.1	642.8	38.25	17.806	
10,275.0	10,254.4	11,441.7	10,777.8	17.3	13.7	-90.83	44.4	-60.5	660.6	622.5	38.07	17.350	
10,300.0	10,279.4	11,441.5	10,777.8	17.3	13.7	-90.81	44.6	-60.5	640.4	602.6	37.88	16.908	
10,307.2	10,286.6	11,441.5	10,777.8	17.4	13.7	-90.80	44.6	-60.5	634.7	596.9	37.82	16.784	
10,325.0	10,304.4	11,441.0	10,777.8	17.4	13.7	-93.41	45.1	-60.5	620.6	582.9	37.77	16.432	
10,350.0	10,329.3	11,439.2	10,777.8	17.4	13.7	-96.81	46.8	-60.5	601.3	563.8	37.52	16.027	
10,375.0	10,354.1	11,436.2	10,777.8	17.4	13.7	-99.78	49.9	-60.5	582.4	545.2	37.23	15.644	
10,400.0	10,378.8	11,431.8	10,777.8	17.4	13.7	-102.30	54.3	-60.5	564.2	527.3	36.91	15.285	
10,425.0	10,403.2	11,426.2	10,777.9	17.4	13.6	-104.40	59.9	-60.6	546.7	510.1	36.56	14.951	
10,450.0	10,427.2	11,419.3	10,777.9	17.4	13.6	-106.10	66.8	-60.6	529.9	493.7	36.18	14.646	
10,475.0	10,450.9	11,411.1	10,778.0	17.4	13.6	-107.43	75.0	-60.6	513.9	478.2	35.76	14.370	
10,500.0	10,474.2	11,401.7	10,778.0	17.4	13.6	-108.40	84.3	-60.7	498.9	463.6	35.32	14.125	
10,525.0	10,496.9	11,391.2	10,778.1	17.4	13.6	-109.06	94.9	-60.7	484.8	450.0	34.85	13.910	
10,550.0	10,519.0	11,379.4	10,778.2	17.4	13.5	-109.42	106.7	-60.8	471.8	437.4	34.37	13.727	
10,575.0	10,540.5	11,366.5	10,778.3	17.4	13.5	-109.50	119.6	-60.9	459.8	425.9	33.87	13.576	
10,600.0	10,561.3	11,352.5	10,778.4	17.4	13.5	-109.35	133.6	-60.9	448.8	415.5	33.36	13.455	
10,625.0	10,581.4	11,337.5	10,778.5	17.4	13.5	-108.97	148.6	-61.0	439.0	406.1	32.85	13.362	
10,650.0	10,600.7	11,321.4	10,778.6	17.4	13.4	-108.39	164.7	-61.1	430.1	397.8	32.35	13.297	
10,675.0	10,619.0	11,304.3	10,778.7	17.4	13.4	-107.64	181.8	-61.1	422.4	390.5	31.87	13.255	
10,700.0	10,636.5	11,286.3	10,778.9	17.4	13.4	-106.75	199.7	-61.2	415.6	384.2	31.41	13.231	
10,725.0	10,653.0	11,267.5	10,779.0	17.4	13.4	-105.74	218.6	-61.3	409.8	378.8	30.99	13.224 SF	
10,750.0	10,668.6	11,247.7	10,779.1	17.4	13.3	-104.64	238.3	-61.4	404.9	374.3	30.61	13.229	
10,775.0	10,683.0	11,227.3	10,779.3	17.5	13.3	-103.48	258.8	-61.5	400.8	370.6	30.26	13.244	
10,800.0	10,696.4	11,206.0	10,779.4	17.5	13.3	-102.29	280.0	-61.6	397.5	367.5	29.96	13.266	
10,825.0	10,708.7	11,184.2	10,779.6	17.5	13.2	-101.10	301.9	-61.7	394.8	365.1	29.71	13.289	
10,850.0	10,719.8	11,161.7	10,779.7	17.5	13.2	-99.93	324.4	-61.8	392.7	363.2	29.49	13.314	
10,875.0	10,729.7	11,138.7	10,779.9	17.5	13.2	-98.83	347.4	-61.9	391.0	361.7	29.32	13.338	
10,900.0	10,738.4	11,114.7	10,780.0	17.6	13.2	-97.77	371.4	-62.0	389.8	360.6	29.17	13.364	
10,925.0	10,745.8	11,089.8	10,779.3	17.6	13.2	-96.69	396.2	-62.2	388.9	359.8	29.04	13.392	
10,950.0	10,752.0	11,065.3	10,777.5	17.6	13.1	-95.63	420.7	-62.4	388.2	359.2	28.94	13.415	
10,975.0	10,757.0	11,041.0	10,774.7	17.6	13.1	-94.57	444.8	-62.7	387.7	358.9	28.86	13.434	
11,000.0	10,760.6	11,016.9	10,770.9	17.7	13.1	-93.53	468.6	-63.1	387.5	358.7	28.82	13.449	
11,011.2	10,761.8	11,006.2	10,768.9	17.7	13.1	-93.07	479.1	-63.3	387.5	358.7	28.80	13.454 CC, ES	
11,025.0	10,762.9	10,993.1	10,766.2	17.7	13.1	-92.51	491.9	-63.5	387.5	358.8	28.79	13.459	
11,050.0	10,764.0	10,969.5	10,760.5	17.8	13.0	-91.52	514.8	-63.9	387.8	359.0	28.80	13.465	
11,052.3	10,764.0	10,967.3	10,760.0	17.8	13.0	-91.42	517.0	-64.0	387.8	359.0	28.80	13.465	
11,075.0	10,764.2	10,946.3	10,754.1	17.8	13.0	-90.52	537.2	-64.4	388.2	359.3	28.82	13.466	
11,100.0	10,764.5	10,923.6	10,746.9	17.8	13.0	-89.43	558.7	-65.0	388.8	359.9	28.88	13.462	
11,125.0	10,764.7	10,901.6	10,739.2	17.9	13.0	-88.26	579.3	-65.5	389.6	360.6	28.97	13.450	
11,150.0	10,765.0	10,880.2	10,730.9	18.0	12.9	-87.02	598.9	-66.1	390.8	361.7	29.09	13.435	
11,175.0	10,765.3	10,859.6	10,722.2	18.0	12.9	-85.72	617.7	-66.7	392.3	363.1	29.23	13.420	
11,200.0	10,765.5	10,839.7	10,713.2	18.1	12.9	-84.39	635.4	-67.4	394.3	364.9	29.41	13.407	
11,225.0	10,765.8	10,820.5	10,703.9	18.1	12.9	-83.04	652.2	-68.0	396.8	367.1	29.62	13.393	
11,250.0	10,766.0	10,800.0	10,693.4	18.2	12.9	-81.52	669.7	-68.7	399.8	369.9	29.86	13.389	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
11,275.0	10,766.3	10,784.2	10,684.9	18.3	12.8	-80.30	683.0	-69.3	403.3	373.2	30.11	13.394	
11,300.0	10,766.5	10,767.2	10,675.3	18.3	12.8	-78.94	697.1	-69.9	407.5	377.1	30.38	13.414	
11,325.0	10,766.8	10,750.0	10,665.2	18.4	12.8	-77.53	711.0	-70.6	412.3	381.7	30.67	13.447	
11,350.0	10,767.0	10,735.2	10,656.2	18.5	12.8	-76.29	722.6	-71.2	417.9	386.9	30.95	13.503	
11,375.0	10,767.3	10,720.2	10,646.7	18.5	12.8	-75.01	734.3	-71.8	424.1	392.9	31.23	13.580	
11,400.0	10,767.6	10,700.0	10,633.5	18.6	12.8	-73.25	749.6	-72.7	431.1	399.5	31.56	13.660	
11,425.0	10,767.8	10,692.2	10,628.2	18.7	12.7	-72.56	755.3	-73.0	438.7	406.9	31.77	13.809	
11,450.0	10,768.1	10,679.0	10,619.2	18.8	12.7	-71.39	764.9	-73.6	447.1	415.1	32.02	13.962	
11,475.0	10,768.3	10,666.5	10,610.4	18.9	12.7	-70.27	773.8	-74.2	456.2	423.9	32.25	14.145	
11,500.0	10,768.6	10,650.0	10,598.6	19.0	12.7	-68.79	785.2	-74.9	466.0	433.5	32.52	14.329	
11,525.0	10,768.8	10,650.0	10,598.6	19.0	12.7	-68.79	785.2	-74.9	476.5	444.0	32.54	14.643	
11,550.0	10,769.1	10,631.9	10,585.2	19.1	12.7	-67.17	797.3	-75.8	487.6	454.8	32.82	14.858	
11,575.0	10,769.3	10,621.4	10,577.2	19.2	12.7	-66.22	804.2	-76.3	499.4	466.5	32.96	15.151	
11,600.0	10,769.6	10,611.3	10,569.5	19.3	12.7	-65.32	810.7	-76.8	511.9	478.8	33.09	15.471	
11,625.0	10,769.9	10,600.0	10,560.6	19.4	12.7	-64.31	817.7	-77.4	524.9	491.7	33.22	15.801	
11,650.0	10,770.1	10,600.0	10,560.6	19.5	12.7	-64.31	817.7	-77.4	538.6	505.5	33.14	16.252	
11,675.0	10,770.4	10,583.5	10,547.6	19.6	12.7	-62.84	827.7	-78.2	552.7	519.4	33.34	16.577	
11,700.0	10,770.6	10,575.0	10,540.7	19.7	12.6	-62.09	832.7	-78.6	567.4	534.0	33.39	16.994	
11,725.0	10,770.9	10,566.9	10,534.0	19.8	12.6	-61.37	837.4	-79.0	582.6	549.2	33.42	17.431	
11,750.0	10,771.1	10,550.0	10,520.1	19.9	12.6	-59.91	846.8	-79.9	598.4	564.8	33.61	17.806	
11,775.0	10,771.4	10,550.0	10,520.1	20.0	12.6	-59.91	846.8	-79.9	614.4	580.9	33.48	18.352	
11,800.0	10,771.6	10,550.0	10,520.1	20.1	12.6	-59.91	846.8	-79.9	631.0	597.6	33.34	18.924	
11,825.0	10,771.9	10,537.4	10,509.4	20.3	12.6	-58.82	853.5	-80.6	647.8	614.4	33.43	19.378	
11,850.0	10,772.2	10,530.7	10,503.7	20.4	12.6	-58.25	857.0	-80.9	665.2	631.7	33.41	19.909	
11,875.0	10,772.4	10,524.3	10,498.2	20.5	12.6	-57.71	860.3	-81.3	682.8	649.4	33.38	20.456	
11,900.0	10,772.7	10,518.1	10,492.9	20.6	12.6	-57.19	863.4	-81.6	700.8	667.5	33.34	21.018	
11,925.0	10,772.9	10,500.0	10,477.1	20.7	12.6	-55.70	872.2	-82.6	719.3	685.8	33.51	21.466	
11,950.0	10,773.2	10,500.0	10,477.1	20.8	12.6	-55.70	872.2	-82.6	737.8	704.4	33.37	22.112	
11,975.0	10,773.4	10,500.0	10,477.1	21.0	12.6	-55.70	872.2	-82.6	756.6	723.4	33.22	22.773	
12,000.0	10,773.7	10,500.0	10,477.1	21.1	12.6	-55.70	872.2	-82.6	775.8	742.7	33.09	23.449	
12,025.0	10,773.9	10,500.0	10,477.1	21.2	12.6	-55.70	872.2	-82.6	795.3	762.4	32.95	24.136	
12,050.0	10,774.2	10,485.4	10,464.2	21.3	12.6	-54.52	878.8	-83.4	814.8	781.8	33.05	24.655	
12,075.0	10,774.5	10,480.6	10,459.9	21.5	12.6	-54.13	881.0	-83.7	834.7	801.7	32.99	25.300	
12,100.0	10,774.7	10,476.0	10,455.7	21.6	12.6	-53.77	883.0	-83.9	854.8	821.8	32.93	25.954	
12,125.0	10,775.0	10,471.5	10,451.7	21.7	12.6	-53.41	884.9	-84.2	875.0	842.2	32.88	26.616	
12,150.0	10,775.2	10,467.2	10,447.8	21.8	12.6	-53.08	886.7	-84.4	895.5	862.7	32.82	27.286	
12,175.0	10,775.5	10,450.0	10,432.1	22.0	12.6	-51.75	893.7	-85.4	916.4	883.4	32.95	27.810	
12,200.0	10,775.7	10,450.0	10,432.1	22.1	12.6	-51.75	893.7	-85.4	937.1	904.2	32.83	28.542	
12,225.0	10,776.0	10,450.0	10,432.1	22.2	12.6	-51.75	893.7	-85.4	957.9	925.2	32.72	29.279	
12,250.0	10,776.2	10,450.0	10,432.1	22.4	12.6	-51.75	893.7	-85.4	979.0	946.4	32.61	30.025	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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

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	-27.77	762.4	-401.4	861.7				
25.0	25.0	11.0	11.0	0.5	3.0	-27.77	762.4	-401.4	861.6				
50.0	50.0	36.0	36.0	0.5	3.0	-27.77	762.4	-401.4	861.6	856.9	4.73	182.342	
75.0	75.0	61.0	61.0	0.5	3.0	-27.77	762.4	-401.4	861.6	856.9	4.73	182.338	
100.0	100.0	86.0	86.0	0.5	3.0	-27.77	762.4	-401.4	861.6	856.9	4.73	182.331	
125.0	125.0	111.0	111.0	0.6	3.0	-27.77	762.4	-401.4	861.6	856.9	4.76	181.033	
150.0	150.0	136.0	136.0	0.8	3.0	-27.77	762.4	-401.4	861.6	856.8	4.80	179.471	
175.0	175.0	161.0	161.0	0.9	3.0	-27.77	762.4	-401.4	861.6	856.8	4.85	177.671	
200.0	200.0	186.0	186.0	1.0	3.0	-27.77	762.4	-401.4	861.6	856.7	4.91	175.658	
225.0	225.0	211.0	211.0	1.1	3.0	-27.77	762.4	-401.4	861.6	856.7	4.95	174.192	
250.0	250.0	236.0	236.0	1.2	3.0	-27.77	762.4	-401.4	861.6	856.6	4.99	172.646	
275.0	275.0	261.0	261.0	1.3	3.0	-27.77	762.4	-401.4	861.6	856.6	5.04	171.025	
300.0	300.0	286.0	286.0	1.4	3.0	-27.77	762.4	-401.4	861.6	856.5	5.09	169.339	
325.0	325.0	311.0	311.0	1.4	3.0	-27.77	762.4	-401.4	861.6	856.5	5.13	167.898	
350.0	350.0	336.0	336.0	1.5	3.0	-27.77	762.4	-401.4	861.6	856.4	5.18	166.419	
375.0	375.0	361.0	361.0	1.6	3.0	-27.77	762.4	-401.4	861.6	856.4	5.22	164.908	
400.0	400.0	386.0	386.0	1.6	3.0	-27.77	762.4	-401.4	861.6	856.3	5.27	163.368	
425.0	425.0	411.0	411.0	1.7	3.0	-27.77	762.4	-401.4	861.6	856.3	5.32	161.982	
450.0	450.0	436.0	436.0	1.8	3.0	-27.77	762.4	-401.4	861.6	856.2	5.37	160.578	
475.0	475.0	461.0	461.0	1.8	3.0	-27.77	762.4	-401.4	861.6	856.2	5.41	159.160	
500.0	500.0	486.0	486.0	1.9	3.1	-27.77	762.4	-401.4	861.6	856.1	5.46	157.728	
525.0	525.0	511.0	511.0	1.9	3.1	-27.77	762.4	-401.4	861.6	856.1	5.51	156.406	
550.0	550.0	536.0	536.0	2.0	3.1	-27.77	762.4	-401.4	861.6	856.1	5.56	155.077	
575.0	575.0	561.0	561.0	2.1	3.1	-27.77	762.4	-401.4	861.6	856.0	5.60	153.741	
600.0	600.0	586.0	586.0	2.1	3.1	-27.77	762.4	-401.4	861.6	856.0	5.65	152.402	
625.0	625.0	611.0	611.0	2.2	3.1	-27.77	762.4	-401.4	861.6	855.9	5.70	151.146	
650.0	650.0	636.0	636.0	2.2	3.1	-27.77	762.4	-401.4	861.6	855.9	5.75	149.888	
675.0	675.0	661.0	661.0	2.3	3.1	-27.77	762.4	-401.4	861.6	855.8	5.80	148.629	
700.0	700.0	686.0	686.0	2.3	3.1	-27.77	762.4	-401.4	861.6	855.8	5.85	147.371	
725.0	725.0	711.0	711.0	2.4	3.1	-27.77	762.4	-401.4	861.6	855.7	5.89	146.179	
750.0	750.0	736.0	736.0	2.4	3.1	-27.77	762.4	-401.4	861.6	855.7	5.94	144.989	
775.0	775.0	761.0	761.0	2.5	3.1	-27.77	762.4	-401.4	861.6	855.6	5.99	143.802	
800.0	800.0	786.0	786.0	2.5	3.1	-27.77	762.4	-401.4	861.6	855.6	6.04	142.618	
825.0	825.0	811.0	811.0	2.6	3.2	-27.77	762.4	-401.4	861.6	855.5	6.09	141.488	
850.0	850.0	836.0	836.0	2.6	3.2	-27.77	762.4	-401.4	861.6	855.5	6.14	140.362	
875.0	875.0	861.0	861.0	2.6	3.2	-27.77	762.4	-401.4	861.6	855.4	6.19	139.241	
900.0	900.0	886.0	886.0	2.7	3.2	-27.77	762.4	-401.4	861.6	855.4	6.24	138.125	
925.0	925.0	911.0	911.0	2.7	3.2	-27.77	762.4	-401.4	861.6	855.3	6.29	137.054	
950.0	950.0	936.0	936.0	2.8	3.2	-27.77	762.4	-401.4	861.6	855.3	6.34	135.988	
975.0	975.0	961.0	961.0	2.8	3.2	-27.77	762.4	-401.4	861.6	855.2	6.39	134.929	
1,000.0	1,000.0	986.0	986.0	2.9	3.2	-27.77	762.4	-401.4	861.6	855.2	6.44	133.875	
1,025.0	1,025.0	1,011.0	1,011.0	2.9	3.3	-27.77	762.4	-401.4	861.6	855.1	6.49	132.860	
1,050.0	1,050.0	1,036.0	1,036.0	3.0	3.3	-27.77	762.4	-401.4	861.6	855.1	6.53	131.850	
1,075.0	1,075.0	1,061.0	1,061.0	3.0	3.3	-27.77	762.4	-401.4	861.6	855.0	6.58	130.848	
1,100.0	1,100.0	1,086.0	1,086.0	3.0	3.3	-27.77	762.4	-401.4	861.6	855.0	6.64	129.852	
1,125.0	1,125.0	1,111.0	1,111.0	3.1	3.3	-27.77	762.4	-401.4	861.6	854.9	6.68	128.889	
1,150.0	1,150.0	1,136.0	1,136.0	3.1	3.3	-27.77	762.4	-401.4	861.6	854.9	6.73	127.933	
1,175.0	1,175.0	1,161.0	1,161.0	3.2	3.3	-27.77	762.4	-401.4	861.6	854.8	6.79	126.983	
1,200.0	1,200.0	1,186.0	1,186.0	3.2	3.3	-27.77	762.4	-401.4	861.6	854.8	6.84	126.041	
1,225.0	1,225.0	1,211.0	1,211.0	3.2	3.4	-27.77	762.4	-401.4	861.6	854.7	6.89	125.127	
1,250.0	1,250.0	1,236.0	1,236.0	3.3	3.4	-27.77	762.4	-401.4	861.6	854.7	6.94	124.220	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,261.0	1,261.0	3.3	3.4	-27.77	762.4	-401.4	861.6	854.6	6.99	123.321	
1,300.0	1,300.0	1,286.0	1,286.0	3.4	3.4	-27.77	762.4	-401.4	861.6	854.6	7.04	122.428	
1,325.0	1,325.0	1,311.0	1,311.0	3.4	3.4	-27.77	762.4	-401.4	861.6	854.5	7.09	121.560	
1,350.0	1,350.0	1,336.0	1,336.0	3.4	3.4	-27.77	762.4	-401.4	861.6	854.5	7.14	120.699	
1,375.0	1,375.0	1,361.0	1,361.0	3.5	3.5	-27.77	762.4	-401.4	861.6	854.4	7.19	119.846	
1,400.0	1,400.0	1,386.0	1,386.0	3.5	3.5	-27.77	762.4	-401.4	861.6	854.4	7.24	119.000	
1,425.0	1,425.0	1,411.0	1,411.0	3.6	3.5	-27.77	762.4	-401.4	861.6	854.3	7.29	118.175	
1,450.0	1,450.0	1,436.0	1,436.0	3.6	3.5	-27.77	762.4	-401.4	861.6	854.3	7.34	117.357	
1,475.0	1,475.0	1,461.0	1,461.0	3.6	3.5	-27.77	762.4	-401.4	861.6	854.2	7.39	116.547	
1,500.0	1,500.0	1,486.0	1,486.0	3.7	3.5	-27.77	762.4	-401.4	861.6	854.2	7.44	115.743	
1,525.0	1,525.0	1,511.0	1,511.0	3.7	3.6	-27.77	762.4	-401.4	861.6	854.1	7.49	114.959	
1,550.0	1,550.0	1,536.0	1,536.0	3.8	3.6	-27.77	762.4	-401.4	861.6	854.1	7.55	114.182	
1,575.0	1,575.0	1,561.0	1,561.0	3.8	3.6	-27.77	762.4	-401.4	861.6	854.0	7.60	113.411	
1,600.0	1,600.0	1,586.0	1,586.0	3.8	3.6	-27.77	762.4	-401.4	861.6	854.0	7.65	112.648	
1,625.0	1,625.0	1,611.0	1,611.0	3.9	3.6	-27.77	762.4	-401.4	861.6	853.9	7.70	111.902	
1,650.0	1,650.0	1,636.0	1,636.0	3.9	3.6	-27.77	762.4	-401.4	861.6	853.9	7.75	111.162	
1,675.0	1,675.0	1,661.0	1,661.0	3.9	3.7	-27.77	762.4	-401.4	861.6	853.8	7.80	110.429	
1,700.0	1,700.0	1,686.0	1,686.0	4.0	3.7	-27.77	762.4	-401.4	861.6	853.8	7.85	109.703	
1,725.0	1,725.0	1,711.0	1,711.0	4.0	3.7	-27.77	762.4	-401.4	861.6	853.7	7.91	108.992	
1,750.0	1,750.0	1,736.0	1,736.0	4.1	3.7	-27.77	762.4	-401.4	861.6	853.7	7.96	108.288	
1,775.0	1,775.0	1,761.0	1,761.0	4.1	3.7	-27.77	762.4	-401.4	861.6	853.6	8.01	107.590	
1,800.0	1,800.0	1,786.0	1,786.0	4.1	3.8	-27.77	762.4	-401.4	861.6	853.6	8.06	106.899	
1,825.0	1,825.0	1,811.0	1,811.0	4.2	3.8	-27.77	762.4	-401.4	861.6	853.5	8.11	106.221	
1,850.0	1,850.0	1,836.0	1,836.0	4.2	3.8	-27.77	762.4	-401.4	861.6	853.4	8.16	105.550	
1,875.0	1,875.0	1,861.0	1,861.0	4.2	3.8	-27.77	762.4	-401.4	861.6	853.4	8.21	104.885	
1,900.0	1,900.0	1,886.0	1,886.0	4.3	3.8	-27.77	762.4	-401.4	861.6	853.3	8.27	104.226	
1,925.0	1,925.0	1,911.0	1,911.0	4.3	3.9	-27.77	762.4	-401.4	861.6	853.3	8.32	103.579	
1,950.0	1,950.0	1,936.0	1,936.0	4.3	3.9	-27.77	762.4	-401.4	861.6	853.2	8.37	102.939	
1,975.0	1,975.0	1,961.0	1,961.0	4.4	3.9	-27.77	762.4	-401.4	861.6	853.2	8.42	102.304	
2,000.0	2,000.0	1,986.0	1,986.0	4.4	3.9	-27.77	762.4	-401.4	861.6	853.1	8.47	101.676	
2,025.0	2,025.0	2,011.0	2,011.0	4.4	3.9	-82.77	762.4	-401.4	861.6	853.1	8.52	101.134	
2,050.0	2,050.0	2,036.0	2,036.0	4.5	4.0	-82.78	762.4	-401.4	861.6	853.0	8.56	100.598	
2,075.0	2,075.0	2,061.0	2,061.0	4.5	4.0	-82.80	762.4	-401.4	861.6	852.9	8.61	100.066	
2,100.0	2,100.0	2,086.0	2,086.0	4.5	4.0	-82.83	762.4	-401.4	861.5	852.8	8.65	99.540	
2,125.0	2,125.0	2,111.0	2,111.0	4.6	4.0	-82.86	762.4	-401.4	861.4	852.7	8.72	98.839	
2,150.0	2,150.0	2,136.0	2,136.0	4.6	4.1	-82.90	762.4	-401.4	861.4	852.6	8.78	98.150	
2,175.0	2,175.0	2,161.0	2,161.0	4.6	4.1	-82.95	762.4	-401.4	861.3	852.4	8.84	97.473	
2,200.0	2,200.0	2,186.0	2,186.0	4.7	4.1	-83.00	762.4	-401.4	861.2	852.3	8.90	96.808	
2,225.0	2,224.9	2,210.9	2,210.9	4.7	4.1	-83.06	762.4	-401.4	861.1	852.1	8.96	96.147	
2,250.0	2,249.9	2,235.9	2,235.9	4.8	4.1	-83.13	762.4	-401.4	860.9	851.9	9.02	95.499	
2,275.0	2,274.9	2,260.9	2,260.9	4.8	4.2	-83.21	762.4	-401.4	860.8	851.7	9.07	94.863	
2,300.0	2,299.9	2,285.9	2,285.9	4.9	4.2	-83.29	762.4	-401.4	860.7	851.5	9.13	94.240	
2,325.0	2,324.8	2,310.8	2,310.8	4.9	4.2	-83.39	762.4	-401.4	860.5	851.3	9.19	93.617	
2,350.0	2,349.8	2,335.8	2,335.8	4.9	4.2	-83.48	762.4	-401.4	860.3	851.1	9.25	93.006	
2,375.0	2,374.7	2,360.7	2,360.7	5.0	4.3	-83.59	762.4	-401.4	860.2	850.8	9.31	92.408	
2,400.0	2,399.7	2,385.7	2,385.7	5.0	4.3	-83.70	762.4	-401.4	860.0	850.6	9.37	91.821	
2,425.0	2,424.6	2,410.6	2,410.6	5.1	4.3	-83.83	762.4	-401.4	859.8	850.3	9.42	91.233	
2,450.0	2,449.5	2,435.5	2,435.5	5.1	4.3	-83.95	762.4	-401.4	859.6	850.1	9.48	90.657	
2,475.0	2,474.5	2,460.5	2,460.5	5.2	4.4	-84.09	762.4	-401.4	859.4	849.8	9.54	90.093	
2,500.0	2,499.4	2,485.4	2,485.4	5.2	4.4	-84.23	762.4	-401.4	859.1	849.5	9.59	89.541	
2,525.0	2,524.3	2,510.3	2,510.3	5.3	4.4	-89.21	762.4	-401.4	859.0	849.3	9.67	88.836	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,529.2	2,528.4	2,514.4	2,514.4	5.3	4.4	-90.00	762.4	-401.4	859.0	849.3	9.68	88.721 CC, ES	
2,550.0	2,549.2	2,535.2	2,535.2	5.4	4.4	-93.73	762.4	-401.4	859.1	849.3	9.74	88.163	
2,575.0	2,574.0	2,560.0	2,560.0	5.4	4.5	-97.80	762.4	-401.4	859.3	849.5	9.82	87.521	
2,600.0	2,598.9	2,584.9	2,584.9	5.5	4.5	-101.47	762.4	-401.4	859.8	849.9	9.89	86.911	
2,625.0	2,623.7	2,609.7	2,609.7	5.5	4.5	-104.77	762.4	-401.4	860.4	850.4	9.96	86.413	
2,650.0	2,648.6	2,634.6	2,634.6	5.6	4.5	-107.74	762.4	-401.4	861.2	851.2	10.02	85.944	
2,675.0	2,673.4	2,659.4	2,659.4	5.7	4.6	-110.43	762.4	-401.4	862.3	852.2	10.08	85.503	
2,700.0	2,698.2	2,684.2	2,684.2	5.7	4.6	-112.86	762.4	-401.4	863.5	853.3	10.15	85.088	
2,717.4	2,715.4	2,701.4	2,701.4	5.7	4.6	-114.42	762.4	-401.4	864.4	854.3	10.17	85.029	
2,725.0	2,722.9	2,708.9	2,708.9	5.7	4.6	-114.48	762.4	-401.4	864.9	854.7	10.18	84.933	
2,750.0	2,747.7	2,733.7	2,733.7	5.8	4.6	-114.69	762.4	-401.4	866.3	856.1	10.24	84.622	
2,775.0	2,772.4	2,758.4	2,758.4	5.9	4.7	-114.90	762.4	-401.4	867.8	857.5	10.29	84.315	
2,800.0	2,797.2	2,783.2	2,783.2	5.9	4.7	-115.10	762.4	-401.4	869.3	858.9	10.35	84.011	
2,825.0	2,822.0	2,808.0	2,808.0	6.0	4.7	-115.31	762.4	-401.4	870.8	860.4	10.41	83.688	
2,850.0	2,846.7	2,832.7	2,832.7	6.0	4.7	-115.51	762.4	-401.4	872.3	861.8	10.46	83.369	
2,875.0	2,871.5	2,857.5	2,857.5	6.1	4.8	-115.72	762.4	-401.4	873.8	863.3	10.52	83.053	
2,900.0	2,896.2	2,882.2	2,882.2	6.2	4.8	-115.92	762.4	-401.4	875.3	864.7	10.58	82.740	
2,925.0	2,921.0	2,907.0	2,907.0	6.3	4.8	-116.12	762.4	-401.4	876.9	866.2	10.64	82.418	
2,950.0	2,945.7	2,931.7	2,931.7	6.3	4.8	-116.33	762.4	-401.4	878.4	867.7	10.70	82.098	
2,975.0	2,970.5	2,956.5	2,956.5	6.4	4.9	-116.53	762.4	-401.4	880.0	869.2	10.76	81.782	
3,000.0	2,995.2	2,981.2	2,981.2	6.5	4.9	-116.73	762.4	-401.4	881.5	870.7	10.82	81.468	
3,025.0	3,020.0	3,006.0	3,006.0	6.6	4.9	-116.93	762.4	-401.4	883.1	872.2	10.88	81.146	
3,050.0	3,044.8	3,030.8	3,030.8	6.6	4.9	-117.13	762.4	-401.4	884.7	873.8	10.95	80.826	
3,075.0	3,069.5	3,055.5	3,055.5	6.7	5.0	-117.33	762.4	-401.4	886.3	875.3	11.01	80.509	
3,100.0	3,094.3	3,080.3	3,080.3	6.8	5.0	-117.52	762.4	-401.4	887.9	876.9	11.07	80.194	
3,125.0	3,119.0	3,105.0	3,105.0	6.9	5.0	-117.72	762.4	-401.4	889.6	878.4	11.14	79.872	
3,150.0	3,143.8	3,129.8	3,129.8	7.0	5.0	-117.92	762.4	-401.4	891.2	880.0	11.20	79.552	
3,175.0	3,168.5	3,154.5	3,154.5	7.1	5.1	-118.11	762.4	-401.4	892.9	881.6	11.27	79.235	
3,200.0	3,193.3	3,179.3	3,179.3	7.1	5.1	-118.31	762.4	-401.4	894.5	883.2	11.33	78.919	
3,225.0	3,218.1	3,204.1	3,204.1	7.2	5.1	-118.50	762.4	-401.4	896.2	884.8	11.40	78.598	
3,250.0	3,242.8	3,228.8	3,228.8	7.3	5.1	-118.70	762.4	-401.4	897.9	886.4	11.47	78.278	
3,275.0	3,267.6	3,253.6	3,253.6	7.4	5.2	-118.89	762.4	-401.4	899.5	888.0	11.54	77.960	
3,300.0	3,292.3	3,278.3	3,278.3	7.5	5.2	-119.08	762.4	-401.4	901.2	889.6	11.61	77.645	
3,325.0	3,317.1	3,303.1	3,303.1	7.6	5.2	-119.27	762.4	-401.4	903.0	891.3	11.68	77.324	
3,350.0	3,341.8	3,327.8	3,327.8	7.7	5.2	-119.46	762.4	-401.4	904.7	892.9	11.75	77.005	
3,375.0	3,366.6	3,352.6	3,352.6	7.8	5.3	-119.65	762.4	-401.4	906.4	894.6	11.82	76.688	
3,400.0	3,391.4	3,377.4	3,377.4	7.9	5.3	-119.84	762.4	-401.4	908.1	896.2	11.89	76.372	
3,425.0	3,416.1	3,402.1	3,402.1	8.0	5.3	-120.03	762.4	-401.4	909.9	897.9	11.96	76.053	
3,450.0	3,440.9	3,426.9	3,426.9	8.0	5.4	-120.22	762.4	-401.4	911.6	899.6	12.04	75.735	
3,475.0	3,465.6	3,451.6	3,451.6	8.1	5.4	-120.41	762.4	-401.4	913.4	901.3	12.11	75.418	
3,500.0	3,490.4	3,476.4	3,476.4	8.2	5.4	-120.59	762.4	-401.4	915.2	903.0	12.19	75.104	
3,525.0	3,515.1	3,501.1	3,501.1	8.3	5.4	-120.78	762.4	-401.4	917.0	904.7	12.26	74.786	
3,550.0	3,539.9	3,525.9	3,525.9	8.4	5.5	-120.96	762.4	-401.4	918.8	906.4	12.34	74.470	
3,575.0	3,564.7	3,550.7	3,550.7	8.5	5.5	-121.15	762.4	-401.4	920.6	908.2	12.41	74.155	
3,600.0	3,589.4	3,575.4	3,575.4	8.6	5.5	-121.33	762.4	-401.4	922.4	909.9	12.49	73.842	
3,625.0	3,614.2	3,600.2	3,600.2	8.7	5.5	-121.52	762.4	-401.4	924.2	911.7	12.57	73.526	
3,650.0	3,638.9	3,624.9	3,624.9	8.8	5.6	-121.70	762.4	-401.4	926.1	913.4	12.65	73.212	
3,675.0	3,663.7	3,649.7	3,649.7	8.9	5.6	-121.88	762.4	-401.4	927.9	915.2	12.73	72.900	
3,700.0	3,688.4	3,674.4	3,674.4	9.0	5.6	-122.06	762.4	-401.4	929.8	917.0	12.81	72.589	
3,725.0	3,713.2	3,699.2	3,699.2	9.1	5.7	-122.24	762.4	-401.4	931.6	918.7	12.89	72.276	
3,750.0	3,737.9	3,723.9	3,723.9	9.2	5.7	-122.42	762.4	-401.4	933.5	920.5	12.97	71.964	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,748.7	3,748.7	9.3	5.7	-122.60	762.4	-401.4	935.4	922.3	13.05	71.655	
3,800.0	3,787.5	3,773.5	3,773.5	9.4	5.7	-122.78	762.4	-401.4	937.3	924.1	13.14	71.347	
3,825.0	3,812.2	3,798.2	3,798.2	9.5	5.8	-122.95	762.4	-401.4	939.2	926.0	13.22	71.037	
3,850.0	3,837.0	3,823.0	3,823.0	9.6	5.8	-123.13	762.4	-401.4	941.1	927.8	13.31	70.729	
3,875.0	3,861.7	3,847.7	3,847.7	9.7	5.8	-123.31	762.4	-401.4	943.0	929.6	13.39	70.423	
3,900.0	3,886.5	3,872.5	3,872.5	9.8	5.9	-123.48	762.4	-401.4	944.9	931.5	13.48	70.118	
3,925.0	3,911.2	3,897.2	3,897.2	9.9	5.9	-123.66	762.4	-401.4	946.9	933.3	13.56	69.812	
3,950.0	3,936.0	3,922.0	3,922.0	10.0	5.9	-123.83	762.4	-401.4	948.8	935.2	13.65	69.508	
3,975.0	3,960.8	3,946.8	3,946.8	10.1	5.9	-124.00	762.4	-401.4	950.8	937.0	13.74	69.206	
4,000.0	3,985.5	3,971.5	3,971.5	10.2	6.0	-124.17	762.4	-401.4	952.7	938.9	13.83	68.906	
4,025.0	4,010.3	3,996.3	3,996.3	10.3	6.0	-124.35	762.4	-401.4	954.7	940.8	13.92	68.604	
4,050.0	4,035.0	4,021.0	4,021.0	10.4	6.0	-124.52	762.4	-401.4	956.7	942.7	14.01	68.304	
4,075.0	4,059.8	4,045.8	4,045.8	10.5	6.0	-124.69	762.4	-401.4	958.7	944.6	14.10	68.007	
4,100.0	4,084.5	4,070.5	4,070.5	10.6	6.1	-124.86	762.4	-401.4	960.7	946.5	14.19	67.711	
4,125.0	4,109.3	4,095.3	4,095.3	10.7	6.1	-125.03	762.4	-401.4	962.7	948.4	14.28	67.414	
4,150.0	4,134.1	4,120.1	4,120.1	10.8	6.1	-125.19	762.4	-401.4	964.7	950.3	14.37	67.120	
4,175.0	4,158.8	4,144.8	4,144.8	10.9	6.2	-125.36	762.4	-401.4	966.7	952.3	14.47	66.827	
4,200.0	4,183.6	4,169.6	4,169.6	11.0	6.2	-125.53	762.4	-401.4	968.8	954.2	14.56	66.536	
4,225.0	4,208.3	4,194.3	4,194.3	11.1	6.2	-125.69	762.4	-401.4	970.8	956.1	14.65	66.245	
4,250.0	4,233.1	4,219.1	4,219.1	11.2	6.2	-125.86	762.4	-401.4	972.8	958.1	14.75	65.956	
4,275.0	4,257.8	4,243.8	4,243.8	11.3	6.3	-126.02	762.4	-401.4	974.9	960.1	14.85	65.668	
4,300.0	4,282.6	4,268.6	4,268.6	11.4	6.3	-126.19	762.4	-401.4	977.0	962.0	14.94	65.383	
4,325.0	4,307.4	4,293.4	4,293.4	11.5	6.3	-126.35	762.4	-401.4	979.0	964.0	15.03	65.143	
4,350.0	4,332.1	4,318.1	4,318.1	11.6	6.4	-126.51	762.4	-401.4	981.1	966.0	15.12	64.903	
4,365.6	4,347.6	4,333.6	4,333.6	11.6	6.4	-126.62	762.4	-401.4	982.4	967.2	15.17	64.754	
4,375.0	4,356.9	4,342.9	4,342.9	11.7	6.4	-126.68	762.4	-401.4	983.2	968.0	15.20	64.676	
4,400.0	4,381.6	4,367.6	4,367.6	11.7	6.4	-126.85	762.4	-401.4	985.2	969.9	15.28	64.465	
4,425.0	4,406.4	4,392.4	4,392.4	11.8	6.4	-127.02	762.4	-401.4	987.2	971.8	15.38	64.184	
4,450.0	4,431.2	4,417.2	4,417.2	11.9	6.5	-127.18	762.4	-401.4	989.1	973.7	15.48	63.901	
4,475.0	4,456.0	4,442.0	4,442.0	12.0	6.5	-127.34	762.4	-401.4	991.0	975.4	15.58	63.618	
4,500.0	4,480.9	4,466.9	4,466.9	12.1	6.5	-127.49	762.4	-401.4	992.8	977.1	15.68	63.333	
4,525.0	4,505.7	4,491.7	4,491.7	12.2	6.6	-127.63	762.4	-401.4	994.5	978.8	15.77	63.056	
4,550.0	4,530.5	4,516.5	4,516.5	12.3	6.6	-127.77	762.4	-401.4	996.2	980.3	15.87	62.778	
4,575.0	4,555.4	4,541.4	4,541.4	12.4	6.6	-127.90	762.4	-401.4	997.8	981.9	15.97	62.499	
4,600.0	4,580.3	4,566.3	4,566.3	12.5	6.7	-128.03	762.4	-401.4	999.4	983.3	16.06	62.219 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1.0	1.0	0.0	0.0	72.95	61.2	199.6	208.8				
25.0	25.0	26.0	26.0	0.5	0.1	72.95	61.2	199.6	208.8				
50.0	50.0	51.0	51.0	0.5	0.3	72.95	61.2	199.6	208.8	207.5	1.28	163.339	
75.0	75.0	76.0	76.0	0.5	0.4	72.95	61.2	199.6	208.8	207.4	1.37	152.038	
100.0	100.0	101.0	101.0	0.5	0.5	72.95	61.2	199.6	208.8	207.3	1.49	140.051	
125.0	125.0	126.0	126.0	0.6	0.6	72.95	61.2	199.6	208.8	207.0	1.74	120.196	
150.0	150.0	151.0	151.0	0.8	0.8	72.95	61.2	199.6	208.8	206.8	1.98	105.271	
175.0	175.0	176.0	176.0	0.9	0.9	72.95	61.2	199.6	208.8	206.5	2.23	93.644	
200.0	200.0	201.0	201.0	1.0	1.0	72.95	61.2	199.6	208.8	206.3	2.47	84.388	
225.0	225.0	226.0	226.0	1.1	1.1	72.95	61.2	199.6	208.8	206.1	2.63	79.258	
250.0	250.0	251.0	251.0	1.2	1.2	72.95	61.2	199.6	208.8	206.0	2.79	74.716	
275.0	275.0	276.0	276.0	1.3	1.3	72.95	61.2	199.6	208.8	205.8	2.95	70.666	
300.0	300.0	301.0	301.0	1.4	1.4	72.95	61.2	199.6	208.8	205.7	3.11	67.047	
325.0	325.0	326.0	326.0	1.4	1.4	72.95	61.2	199.6	208.8	205.5	3.24	64.390	
350.0	350.0	351.0	351.0	1.5	1.5	72.95	61.2	199.6	208.8	205.4	3.37	61.935	
375.0	375.0	376.0	376.0	1.6	1.6	72.95	61.2	199.6	208.8	205.3	3.50	59.661	
400.0	400.0	401.0	401.0	1.6	1.6	72.95	61.2	199.6	208.8	205.1	3.63	57.553	
425.0	425.0	426.0	426.0	1.7	1.7	72.95	61.2	199.6	208.8	205.0	3.74	55.851	
450.0	450.0	451.0	451.0	1.8	1.8	72.95	61.2	199.6	208.8	204.9	3.85	54.247	
475.0	475.0	476.0	476.0	1.8	1.8	72.95	61.2	199.6	208.8	204.8	3.96	52.732	
500.0	500.0	501.0	501.0	1.9	1.9	72.95	61.2	199.6	208.8	204.7	4.07	51.302	
525.0	525.0	526.0	526.0	1.9	1.9	72.95	61.2	199.6	208.8	204.6	4.17	50.088	
550.0	550.0	551.0	551.0	2.0	2.0	72.95	61.2	199.6	208.8	204.5	4.27	48.931	
575.0	575.0	576.0	576.0	2.1	2.1	72.95	61.2	199.6	208.8	204.4	4.37	47.825	
600.0	600.0	601.0	601.0	2.1	2.1	72.95	61.2	199.6	208.8	204.3	4.46	46.770	
625.0	625.0	626.0	626.0	2.2	2.2	72.95	61.2	199.6	208.8	204.2	4.55	45.847	
650.0	650.0	651.0	651.0	2.2	2.2	72.95	61.2	199.6	208.8	204.1	4.64	44.959	
675.0	675.0	676.0	676.0	2.3	2.3	72.95	61.2	199.6	208.8	204.0	4.73	44.105	
700.0	700.0	701.0	701.0	2.3	2.3	72.95	61.2	199.6	208.8	203.9	4.82	43.283	
725.0	725.0	726.0	726.0	2.4	2.4	72.95	61.2	199.6	208.8	203.9	4.91	42.549	
750.0	750.0	751.0	751.0	2.4	2.4	72.95	61.2	199.6	208.8	203.8	4.99	41.839	
775.0	775.0	776.0	776.0	2.5	2.5	72.95	61.2	199.6	208.8	203.7	5.07	41.152	
800.0	800.0	801.0	801.0	2.5	2.5	72.95	61.2	199.6	208.8	203.6	5.16	40.489	
825.0	825.0	826.0	826.0	2.6	2.6	72.95	61.2	199.6	208.8	203.5	5.23	39.886	
850.0	850.0	851.0	851.0	2.6	2.6	72.95	61.2	199.6	208.8	203.5	5.31	39.301	
875.0	875.0	876.0	876.0	2.6	2.6	72.95	61.2	199.6	208.8	203.4	5.39	38.733	
900.0	900.0	901.0	901.0	2.7	2.7	72.95	61.2	199.6	208.8	203.3	5.47	38.181	
925.0	925.0	926.0	926.0	2.7	2.7	72.95	61.2	199.6	208.8	203.2	5.54	37.675	
950.0	950.0	951.0	951.0	2.8	2.8	72.95	61.2	199.6	208.8	203.2	5.61	37.181	
975.0	975.0	976.0	976.0	2.8	2.8	72.95	61.2	199.6	208.8	203.1	5.69	36.701	
1,000.0	1,000.0	1,001.0	1,001.0	2.9	2.9	72.95	61.2	199.6	208.8	203.0	5.76	36.233	
1,025.0	1,025.0	1,026.0	1,026.0	2.9	2.9	72.95	61.2	199.6	208.8	202.9	5.83	35.799	
1,050.0	1,050.0	1,051.0	1,051.0	3.0	3.0	72.95	61.2	199.6	208.8	202.9	5.90	35.376	
1,075.0	1,075.0	1,076.0	1,076.0	3.0	3.0	72.95	61.2	199.6	208.8	202.8	5.97	34.962	
1,100.0	1,100.0	1,101.0	1,101.0	3.0	3.0	72.95	61.2	199.6	208.8	202.7	6.04	34.558	
1,125.0	1,125.0	1,126.0	1,126.0	3.1	3.1	72.95	61.2	199.6	208.8	202.7	6.11	34.181	
1,150.0	1,150.0	1,151.0	1,151.0	3.1	3.1	72.95	61.2	199.6	208.8	202.6	6.17	33.812	
1,175.0	1,175.0	1,176.0	1,176.0	3.2	3.2	72.95	61.2	199.6	208.8	202.5	6.24	33.451	
1,200.0	1,200.0	1,201.0	1,201.0	3.2	3.2	72.95	61.2	199.6	208.8	202.5	6.31	33.097	
1,225.0	1,225.0	1,226.0	1,226.0	3.2	3.2	72.95	61.2	199.6	208.8	202.4	6.37	32.765	
1,250.0	1,250.0	1,251.0	1,251.0	3.3	3.3	72.95	61.2	199.6	208.8	202.3	6.44	32.440	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,276.0	1,276.0	3.3	3.3	72.95	61.2	199.6	208.8	202.3	6.50	32.121	
1,300.0	1,300.0	1,301.0	1,301.0	3.4	3.4	72.95	61.2	199.6	208.8	202.2	6.56	31.808	
1,325.0	1,325.0	1,326.0	1,326.0	3.4	3.4	72.95	61.2	199.6	208.8	202.1	6.62	31.513	
1,350.0	1,350.0	1,351.0	1,351.0	3.4	3.4	72.95	61.2	199.6	208.8	202.1	6.69	31.223	
1,375.0	1,375.0	1,376.0	1,376.0	3.5	3.5	72.95	61.2	199.6	208.8	202.0	6.75	30.939	
1,400.0	1,400.0	1,401.0	1,401.0	3.5	3.5	72.95	61.2	199.6	208.8	202.0	6.81	30.659	
1,425.0	1,425.0	1,426.0	1,426.0	3.6	3.6	72.95	61.2	199.6	208.8	201.9	6.87	30.394	
1,450.0	1,450.0	1,451.0	1,451.0	3.6	3.6	72.95	61.2	199.6	208.8	201.8	6.93	30.134	
1,475.0	1,475.0	1,476.0	1,476.0	3.6	3.6	72.95	61.2	199.6	208.8	201.8	6.99	29.878	
1,500.0	1,500.0	1,501.0	1,501.0	3.7	3.7	72.95	61.2	199.6	208.8	201.7	7.05	29.626	
1,525.0	1,525.0	1,526.0	1,526.0	3.7	3.7	72.95	61.2	199.6	208.8	201.7	7.10	29.387	
1,550.0	1,550.0	1,551.0	1,551.0	3.8	3.8	72.95	61.2	199.6	208.8	201.6	7.16	29.151	
1,575.0	1,575.0	1,576.0	1,576.0	3.8	3.8	72.95	61.2	199.6	208.8	201.6	7.22	28.919	
1,600.0	1,600.0	1,601.0	1,601.0	3.8	3.8	72.95	61.2	199.6	208.8	201.5	7.28	28.691	
1,625.0	1,625.0	1,626.0	1,626.0	3.9	3.9	72.95	61.2	199.6	208.8	201.4	7.33	28.473	
1,650.0	1,650.0	1,651.0	1,651.0	3.9	3.9	72.95	61.2	199.6	208.8	201.4	7.39	28.258	
1,675.0	1,675.0	1,676.0	1,676.0	3.9	3.9	72.95	61.2	199.6	208.8	201.3	7.44	28.047	
1,700.0	1,700.0	1,701.0	1,701.0	4.0	4.0	72.95	61.2	199.6	208.8	201.3	7.50	27.839	
1,725.0	1,725.0	1,726.0	1,726.0	4.0	4.0	72.95	61.2	199.6	208.8	201.2	7.55	27.639	
1,750.0	1,750.0	1,751.0	1,751.0	4.1	4.1	72.95	61.2	199.6	208.8	201.2	7.61	27.442	
1,775.0	1,775.0	1,776.0	1,776.0	4.1	4.1	72.95	61.2	199.6	208.8	201.1	7.66	27.249	
1,800.0	1,800.0	1,801.0	1,801.0	4.1	4.1	72.95	61.2	199.6	208.8	201.1	7.72	27.057	
1,825.0	1,825.0	1,826.0	1,826.0	4.2	4.2	72.95	61.2	199.6	208.8	201.0	7.77	26.874	
1,850.0	1,850.0	1,851.0	1,851.0	4.2	4.2	72.95	61.2	199.6	208.8	201.0	7.82	26.693	
1,875.0	1,875.0	1,876.0	1,876.0	4.2	4.2	72.95	61.2	199.6	208.8	200.9	7.87	26.514	
1,900.0	1,900.0	1,901.0	1,901.0	4.3	4.3	72.95	61.2	199.6	208.8	200.8	7.93	26.338	
1,925.0	1,925.0	1,926.0	1,926.0	4.3	4.3	72.95	61.2	199.6	208.8	200.8	7.98	26.168	
1,950.0	1,950.0	1,951.0	1,951.0	4.3	4.3	72.95	61.2	199.6	208.8	200.7	8.03	26.001	
1,975.0	1,975.0	1,976.0	1,976.0	4.4	4.4	72.95	61.2	199.6	208.8	200.7	8.08	25.835	
1,991.3	1,991.3	1,992.3	1,992.3	4.4	4.4	72.95	61.2	199.6	208.8	200.7	8.11	25.729 CC	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	72.95	61.2	199.6	208.8	200.6	8.13	25.676	
2,025.0	2,025.0	2,024.2	2,024.2	4.4	4.4	17.96	61.2	199.7	208.8	200.6	8.21	25.449 ES	
2,050.0	2,050.0	2,047.6	2,047.6	4.5	4.5	17.98	61.3	200.0	209.0	200.7	8.28	25.240	
2,075.0	2,075.0	2,070.9	2,070.9	4.5	4.5	18.02	61.4	200.5	209.2	200.9	8.35	25.045	
2,100.0	2,100.0	2,094.2	2,094.1	4.5	4.5	18.06	61.5	201.1	209.6	201.2	8.43	24.862	
2,125.0	2,125.0	2,117.5	2,117.4	4.6	4.6	18.13	61.7	202.0	210.0	201.5	8.54	24.585	
2,150.0	2,150.0	2,140.8	2,140.7	4.6	4.6	18.20	61.9	203.0	210.6	201.9	8.66	24.313	
2,175.0	2,175.0	2,164.0	2,163.9	4.6	4.6	18.29	62.1	204.2	211.2	202.5	8.78	24.060	
2,200.0	2,200.0	2,187.3	2,187.2	4.7	4.7	18.39	62.4	205.6	212.0	203.1	8.90	23.825	
2,225.0	2,224.9	2,210.6	2,210.4	4.7	4.7	18.51	62.7	207.2	212.8	203.8	9.02	23.597	
2,250.0	2,249.9	2,233.8	2,233.6	4.8	4.8	18.63	63.0	209.0	213.8	204.6	9.14	23.384	
2,275.0	2,274.9	2,257.1	2,256.7	4.8	4.8	18.77	63.4	210.9	214.8	205.6	9.27	23.187	
2,300.0	2,299.9	2,280.3	2,279.8	4.9	4.8	18.92	63.8	213.1	216.0	206.6	9.39	23.005	
2,325.0	2,324.8	2,300.0	2,299.5	4.9	4.9	19.05	64.2	215.0	217.3	207.8	9.50	22.881	
2,350.0	2,349.8	2,326.7	2,326.0	4.9	4.9	19.25	64.7	217.9	218.6	208.9	9.65	22.662	
2,375.0	2,374.7	2,349.9	2,349.0	5.0	5.0	19.43	65.2	220.6	220.0	210.3	9.77	22.511	
2,400.0	2,399.7	2,373.0	2,372.0	5.0	5.0	19.62	65.8	223.4	221.6	211.7	9.90	22.375	
2,425.0	2,424.6	2,396.2	2,394.9	5.1	5.1	19.82	66.4	226.5	223.2	213.2	10.04	22.244	
2,450.0	2,449.5	2,419.3	2,417.8	5.1	5.2	20.03	67.0	229.7	225.0	214.8	10.17	22.120	
2,475.0	2,474.5	2,442.4	2,440.6	5.2	5.3	20.24	67.7	233.1	226.8	216.5	10.31	22.008	
2,500.0	2,499.4	2,465.5	2,463.4	5.2	5.3	20.47	68.3	236.6	228.8	218.4	10.44	21.908	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,524.3	2,488.5	2,486.2	5.3	5.4	15.88	69.1	240.4	230.8	220.2	10.59	21.801	
2,550.0	2,549.2	2,511.6	2,508.8	5.4	5.5	11.73	69.8	244.3	232.9	222.2	10.72	21.719	
2,575.0	2,574.0	2,534.6	2,531.5	5.4	5.5	7.99	70.6	248.4	235.0	224.2	10.85	21.662	
2,600.0	2,598.9	2,557.6	2,554.1	5.5	5.6	4.64	71.4	252.7	237.2	226.2	10.98	21.610	
2,625.0	2,623.7	2,581.0	2,577.1	5.5	5.7	1.62	72.3	257.3	239.3	228.2	11.11	21.542	
2,650.0	2,648.6	2,606.0	2,601.5	5.6	5.7	-1.09	73.3	262.1	241.4	230.2	11.25	21.462	
2,675.0	2,673.4	2,630.9	2,625.9	5.7	5.8	-3.54	74.2	267.0	243.3	231.9	11.41	21.322	
2,700.0	2,698.2	2,655.8	2,650.3	5.7	5.9	-5.78	75.1	271.9	245.1	233.5	11.58	21.168	
2,717.4	2,715.4	2,673.2	2,667.4	5.7	5.9	-7.22	75.8	275.3	246.2	234.5	11.67	21.098	
2,725.0	2,722.9	2,680.8	2,674.8	5.7	6.0	-7.23	76.1	276.8	246.7	235.0	11.72	21.051	
2,750.0	2,747.7	2,705.7	2,699.2	5.8	6.0	-7.29	77.0	281.7	248.2	236.3	11.88	20.898	
2,775.0	2,772.4	2,730.7	2,723.7	5.9	6.1	-7.34	78.0	286.5	249.8	237.7	12.04	20.746	
2,800.0	2,797.2	2,755.6	2,748.1	5.9	6.2	-7.39	78.9	291.4	251.3	239.1	12.20	20.596	
2,825.0	2,822.0	2,780.6	2,772.6	6.0	6.3	-7.44	79.9	296.3	252.9	240.5	12.37	20.445	
2,850.0	2,846.7	2,805.5	2,797.0	6.0	6.4	-7.48	80.8	301.2	254.4	241.9	12.54	20.296	
2,875.0	2,871.5	2,830.5	2,821.5	6.1	6.5	-7.53	81.7	306.1	256.0	243.3	12.71	20.145	
2,900.0	2,896.2	2,855.4	2,845.9	6.2	6.5	-7.58	82.7	311.0	257.5	244.6	12.88	19.999	
2,925.0	2,921.0	2,880.4	2,870.4	6.3	6.6	-7.63	83.6	315.9	259.1	246.0	13.05	19.852	
2,950.0	2,945.7	2,905.3	2,894.8	6.3	6.7	-7.67	84.6	320.7	260.6	247.4	13.22	19.707	
2,975.0	2,970.5	2,930.3	2,919.3	6.4	6.8	-7.72	85.5	325.6	262.2	248.8	13.40	19.563	
3,000.0	2,995.2	2,955.2	2,943.7	6.5	6.9	-7.77	86.5	330.5	263.7	250.1	13.58	19.422	
3,025.0	3,020.0	2,980.2	2,968.2	6.6	7.0	-7.81	87.4	335.4	265.3	251.5	13.76	19.281	
3,050.0	3,044.8	3,005.1	2,992.6	6.6	7.1	-7.86	88.3	340.3	266.8	252.9	13.94	19.143	
3,075.0	3,069.5	3,030.1	3,017.1	6.7	7.2	-7.90	89.3	345.2	268.4	254.3	14.12	19.006	
3,100.0	3,094.3	3,055.0	3,041.5	6.8	7.3	-7.94	90.2	350.0	269.9	255.6	14.30	18.872	
3,125.0	3,119.0	3,080.0	3,066.0	6.9	7.4	-7.99	91.2	354.9	271.5	257.0	14.49	18.739	
3,150.0	3,143.8	3,104.9	3,090.4	7.0	7.5	-8.03	92.1	359.8	273.0	258.4	14.67	18.608	
3,175.0	3,168.5	3,129.9	3,114.9	7.1	7.5	-8.07	93.0	364.7	274.6	259.7	14.86	18.478	
3,200.0	3,193.3	3,154.8	3,139.3	7.1	7.6	-8.11	94.0	369.6	276.1	261.1	15.05	18.351	
3,225.0	3,218.1	3,179.8	3,163.8	7.2	7.7	-8.15	94.9	374.5	277.7	262.5	15.24	18.226	
3,250.0	3,242.8	3,204.7	3,188.2	7.3	7.8	-8.19	95.9	379.4	279.2	263.8	15.43	18.103	
3,275.0	3,267.6	3,229.7	3,212.7	7.4	7.9	-8.23	96.8	384.2	280.8	265.2	15.62	17.981	
3,300.0	3,292.3	3,254.6	3,237.1	7.5	8.0	-8.27	97.8	389.1	282.4	266.5	15.81	17.861	
3,325.0	3,317.1	3,279.6	3,261.6	7.6	8.1	-8.31	98.7	394.0	283.9	267.9	16.00	17.744	
3,350.0	3,341.8	3,304.5	3,286.0	7.7	8.2	-8.35	99.6	398.9	285.5	269.3	16.19	17.628	
3,375.0	3,366.6	3,329.5	3,310.5	7.8	8.3	-8.39	100.6	403.8	287.0	270.6	16.39	17.514	
3,400.0	3,391.4	3,354.4	3,334.9	7.9	8.4	-8.43	101.5	408.7	288.6	272.0	16.58	17.402	
3,425.0	3,416.1	3,379.4	3,359.4	8.0	8.5	-8.47	102.5	413.5	290.1	273.3	16.78	17.291	
3,450.0	3,440.9	3,404.3	3,383.8	8.0	8.6	-8.50	103.4	418.4	291.7	274.7	16.97	17.183	
3,475.0	3,465.6	3,429.3	3,408.3	8.1	8.7	-8.54	104.4	423.3	293.2	276.1	17.17	17.076	
3,500.0	3,490.4	3,454.2	3,432.7	8.2	8.8	-8.58	105.3	428.2	294.8	277.4	17.37	16.972	
3,525.0	3,515.1	3,479.2	3,457.2	8.3	8.9	-8.61	106.2	433.1	296.3	278.8	17.57	16.868	
3,550.0	3,539.9	3,504.1	3,481.6	8.4	9.0	-8.65	107.2	438.0	297.9	280.1	17.77	16.767	
3,575.0	3,564.7	3,529.1	3,506.1	8.5	9.1	-8.68	108.1	442.9	299.4	281.5	17.97	16.667	
3,600.0	3,589.4	3,554.1	3,530.5	8.6	9.2	-8.72	109.1	447.7	301.0	282.8	18.17	16.569	
3,625.0	3,614.2	3,579.0	3,555.0	8.7	9.3	-8.75	110.0	452.6	302.6	284.2	18.37	16.473	
3,650.0	3,638.9	3,604.0	3,579.4	8.8	9.5	-8.79	110.9	457.5	304.1	285.5	18.57	16.378	
3,675.0	3,663.7	3,628.9	3,603.9	8.9	9.6	-8.82	111.9	462.4	305.7	286.9	18.77	16.285	
3,700.0	3,688.4	3,653.9	3,628.3	9.0	9.7	-8.86	112.8	467.3	307.2	288.3	18.97	16.193	
3,725.0	3,713.2	3,678.8	3,652.8	9.1	9.8	-8.89	113.8	472.2	308.8	289.6	19.18	16.103	
3,750.0	3,737.9	3,703.8	3,677.2	9.2	9.9	-8.92	114.7	477.0	310.3	291.0	19.38	16.014	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	3,762.7	3,728.7	3,701.7	9.3	10.0	-8.95	115.7	481.9	311.9	292.3	19.58	15.927	
3,800.0	3,787.5	3,753.7	3,726.1	9.4	10.1	-8.99	116.6	486.8	313.4	293.7	19.79	15.841	
3,825.0	3,812.2	3,778.6	3,750.6	9.5	10.2	-9.02	117.5	491.7	315.0	295.0	19.99	15.757	
3,850.0	3,837.0	3,803.6	3,775.0	9.6	10.3	-9.05	118.5	496.6	316.6	296.4	20.20	15.674	
3,875.0	3,861.7	3,828.5	3,799.5	9.7	10.4	-9.08	119.4	501.5	318.1	297.7	20.40	15.593	
3,900.0	3,886.5	3,853.5	3,823.9	9.8	10.5	-9.11	120.4	506.3	319.7	299.1	20.61	15.512	
3,925.0	3,911.2	3,878.4	3,848.4	9.9	10.6	-9.14	121.3	511.2	321.2	300.4	20.81	15.433	
3,950.0	3,936.0	3,903.4	3,872.8	10.0	10.7	-9.17	122.3	516.1	322.8	301.8	21.02	15.356	
3,975.0	3,960.8	3,928.3	3,897.3	10.1	10.8	-9.20	123.2	521.0	324.3	303.1	21.23	15.279	
4,000.0	3,985.5	3,953.3	3,921.7	10.2	10.9	-9.23	124.1	525.9	325.9	304.5	21.43	15.204	
4,025.0	4,010.3	3,978.2	3,946.2	10.3	11.0	-9.26	125.1	530.8	327.4	305.8	21.64	15.130	
4,050.0	4,035.0	4,003.2	3,970.6	10.4	11.2	-9.29	126.0	535.7	329.0	307.2	21.85	15.058	
4,075.0	4,059.8	4,028.1	3,995.1	10.5	11.3	-9.32	127.0	540.5	330.6	308.5	22.06	14.986	
4,100.0	4,084.5	4,053.1	4,019.5	10.6	11.4	-9.35	127.9	545.4	332.1	309.9	22.27	14.916	
4,125.0	4,109.3	4,078.0	4,044.0	10.7	11.5	-9.38	128.9	550.3	333.7	311.2	22.47	14.847	
4,150.0	4,134.1	4,103.0	4,068.4	10.8	11.6	-9.41	129.8	555.2	335.2	312.5	22.68	14.778	
4,175.0	4,158.8	4,127.9	4,092.9	10.9	11.7	-9.43	130.7	560.1	336.8	313.9	22.89	14.711	
4,200.0	4,183.6	4,152.9	4,117.3	11.0	11.8	-9.46	131.7	565.0	338.3	315.2	23.10	14.645	
4,225.0	4,208.3	4,177.8	4,141.8	11.1	11.9	-9.49	132.6	569.8	339.9	316.6	23.31	14.580	
4,250.0	4,233.1	4,202.8	4,166.2	11.2	12.0	-9.52	133.6	574.7	341.5	317.9	23.52	14.516	
4,275.0	4,257.8	4,227.7	4,190.7	11.3	12.1	-9.54	134.5	579.6	343.0	319.3	23.73	14.453	
4,300.0	4,282.6	4,252.7	4,215.1	11.4	12.2	-9.57	135.4	584.5	344.6	320.6	23.94	14.391	
4,325.0	4,307.4	4,277.6	4,239.6	11.5	12.3	-9.60	136.4	589.4	346.1	322.0	24.15	14.334	
4,350.0	4,332.1	4,302.6	4,264.0	11.6	12.5	-9.62	137.3	594.3	347.7	323.3	24.35	14.277	
4,365.6	4,347.6	4,318.2	4,279.3	11.6	12.5	-9.64	137.9	597.3	348.7	324.2	24.48	14.242	
4,375.0	4,356.9	4,327.5	4,288.5	11.7	12.6	-9.65	138.3	599.2	349.3	324.7	24.56	14.223	
4,400.0	4,381.6	4,352.5	4,312.9	11.7	12.7	-9.67	139.2	604.0	350.9	326.1	24.76	14.174	
4,425.0	4,406.4	4,377.4	4,337.4	11.8	12.8	-9.70	140.2	608.9	352.7	327.7	24.97	14.125	
4,450.0	4,431.2	4,402.3	4,361.8	11.9	12.9	-9.72	141.1	613.8	354.5	329.4	25.18	14.082	
4,475.0	4,456.0	4,427.3	4,386.2	12.0	13.0	-9.73	142.0	618.7	356.5	331.1	25.39	14.043	
4,500.0	4,480.9	4,452.2	4,410.6	12.1	13.1	-9.75	143.0	623.6	358.6	333.0	25.60	14.009	
4,525.0	4,505.7	4,477.1	4,435.0	12.2	13.2	-9.76	143.9	628.4	360.8	335.0	25.80	13.981	
4,550.0	4,530.5	4,502.0	4,459.4	12.3	13.3	-9.77	144.9	633.3	363.1	337.1	26.01	13.958	
4,575.0	4,555.4	4,526.9	4,483.8	12.4	13.5	-9.77	145.8	638.2	365.5	339.2	26.22	13.939	
4,600.0	4,580.3	4,551.7	4,508.2	12.5	13.6	-9.78	146.7	643.0	368.0	341.5	26.43	13.924	
4,625.0	4,605.2	4,576.6	4,532.6	12.6	13.7	-9.78	147.7	647.9	370.6	344.0	26.63	13.915	
4,650.0	4,630.1	4,601.4	4,556.9	12.7	13.8	-9.77	148.6	652.8	373.3	346.5	26.84	13.910	
4,675.0	4,655.0	4,626.3	4,581.3	12.8	13.9	-9.77	149.6	657.6	376.1	349.1	27.04	13.909	
4,700.0	4,679.9	4,651.1	4,605.6	12.9	14.0	-9.76	150.5	662.5	379.1	351.8	27.25	13.913	
4,725.0	4,704.8	4,675.9	4,629.9	13.0	14.1	-9.75	151.4	667.4	382.1	354.7	27.45	13.921	
4,750.0	4,729.7	4,700.7	4,654.2	13.1	14.2	-9.74	152.4	672.2	385.3	357.6	27.65	13.934	
4,775.0	4,754.7	4,725.5	4,678.5	13.2	14.3	-9.72	153.3	677.1	388.5	360.7	27.85	13.950	
4,800.0	4,779.6	4,750.3	4,702.8	13.3	14.5	-9.71	154.2	681.9	391.9	363.8	28.05	13.970	
4,825.0	4,804.6	4,775.0	4,727.0	13.4	14.6	-9.69	155.2	686.8	395.4	367.1	28.25	13.995	
4,850.0	4,829.5	4,799.8	4,751.3	13.4	14.7	-9.67	156.1	691.6	398.9	370.5	28.45	14.024	
4,875.0	4,854.5	4,824.5	4,775.5	13.5	14.8	-9.64	157.0	696.4	402.6	374.0	28.64	14.058	
4,900.0	4,879.5	4,849.2	4,799.7	13.6	14.9	-9.62	158.0	701.3	406.4	377.6	28.83	14.096	
4,925.0	4,904.4	4,873.9	4,823.9	13.7	15.0	-9.59	158.9	706.1	410.3	381.3	29.02	14.139	
4,950.0	4,929.4	4,900.5	4,850.0	13.8	15.1	-9.56	159.9	711.3	414.2	385.0	29.21	14.180	
4,975.0	4,954.4	4,927.1	4,876.1	13.9	15.2	-9.53	160.9	716.3	418.2	388.8	29.42	14.216	
5,000.0	4,979.4	4,953.7	4,902.2	13.9	15.3	-9.50	161.8	721.2	422.1	392.5	29.62	14.251	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	5,004.4	4,980.4	4,928.4	14.0	15.5	-9.47	162.7	726.0	426.0	396.2	29.81	14.290	
5,050.0	5,029.4	5,007.1	4,954.7	14.1	15.6	-9.43	163.6	730.7	430.0	399.9	30.01	14.329	
5,075.0	5,054.4	5,033.8	4,981.0	14.1	15.7	-9.40	164.5	735.3	433.9	403.7	30.19	14.369	
5,100.0	5,079.4	5,060.5	5,007.3	14.2	15.8	-9.37	165.4	739.7	437.8	407.4	30.38	14.407	
5,125.0	5,104.4	5,087.2	5,033.7	14.2	15.9	-9.33	166.2	744.1	441.6	411.1	30.54	14.461	
5,150.0	5,129.4	5,114.0	5,060.1	14.3	16.1	-9.30	167.0	748.3	445.5	414.8	30.69	14.515	
5,165.6	5,145.0	5,130.7	5,076.6	14.3	16.1	74.60	167.5	750.9	447.9	417.2	30.79	14.549	
5,175.0	5,154.4	5,140.8	5,086.6	14.3	16.2	74.61	167.8	752.4	449.4	418.5	30.84	14.573	
5,200.0	5,179.4	5,167.6	5,113.1	14.3	16.3	74.65	168.6	756.4	453.2	422.2	30.96	14.635	
5,225.0	5,204.4	5,194.5	5,139.6	14.3	16.4	74.69	169.3	760.2	456.8	425.7	31.10	14.689	
5,250.0	5,229.4	5,221.3	5,166.3	14.3	16.5	74.73	170.1	764.0	460.4	429.1	31.23	14.740	
5,275.0	5,254.4	5,248.3	5,192.9	14.3	16.6	74.76	170.8	767.6	463.8	432.4	31.36	14.788	
5,300.0	5,279.4	5,275.2	5,219.7	14.4	16.7	74.80	171.4	771.1	467.1	435.6	31.49	14.831	
5,325.0	5,304.4	5,302.2	5,246.4	14.4	16.8	74.83	172.1	774.5	470.3	438.7	31.62	14.871	
5,350.0	5,329.4	5,329.3	5,273.2	14.4	17.0	74.86	172.7	777.8	473.3	441.6	31.75	14.908	
5,375.0	5,354.4	5,356.3	5,300.1	14.4	17.1	74.89	173.3	780.9	476.3	444.4	31.88	14.942	
5,400.0	5,379.4	5,383.4	5,327.0	14.4	17.2	74.92	173.9	784.0	479.1	447.1	32.00	14.972	
5,425.0	5,404.4	5,410.5	5,354.0	14.4	17.3	74.94	174.5	786.9	481.9	449.7	32.13	14.998	
5,450.0	5,429.4	5,437.7	5,381.0	14.4	17.4	74.97	175.0	789.7	484.5	452.2	32.25	15.022	
5,475.0	5,454.4	5,464.9	5,408.0	14.5	17.5	74.99	175.5	792.3	487.0	454.6	32.37	15.043	
5,500.0	5,479.4	5,492.0	5,435.1	14.5	17.6	75.01	176.0	794.9	489.3	456.8	32.49	15.060	
5,525.0	5,504.4	5,519.3	5,462.2	14.5	17.7	75.03	176.5	797.3	491.6	459.0	32.61	15.074	
5,550.0	5,529.4	5,546.5	5,489.4	14.5	17.8	75.05	176.9	799.6	493.7	461.0	32.73	15.086	
5,575.0	5,554.4	5,573.8	5,516.5	14.5	17.9	75.07	177.3	801.7	495.7	462.9	32.84	15.095	
5,600.0	5,579.4	5,601.1	5,543.7	14.5	18.0	75.08	177.7	803.8	497.6	464.7	32.96	15.099	
5,625.0	5,604.4	5,628.4	5,571.0	14.5	18.1	75.10	178.1	805.7	499.4	466.4	33.07	15.103	
5,650.0	5,629.4	5,655.7	5,598.2	14.6	18.2	75.11	178.5	807.5	501.1	467.9	33.18	15.104	
5,675.0	5,654.4	5,683.0	5,625.5	14.6	18.3	75.13	178.8	809.1	502.6	469.3	33.28	15.101	
5,700.0	5,679.4	5,710.4	5,652.8	14.6	18.4	75.14	179.1	810.7	504.1	470.7	33.39	15.096	
5,725.0	5,704.4	5,737.8	5,680.2	14.6	18.5	75.15	179.3	812.1	505.4	471.9	33.49	15.090	
5,750.0	5,729.4	5,765.2	5,707.5	14.6	18.6	75.16	179.6	813.4	506.5	473.0	33.59	15.080	
5,775.0	5,754.4	5,792.6	5,734.9	14.6	18.7	75.17	179.8	814.5	507.6	473.9	33.69	15.067	
5,800.0	5,779.4	5,820.0	5,762.3	14.6	18.8	75.18	180.0	815.5	508.6	474.8	33.78	15.054	
5,825.0	5,804.4	5,847.4	5,789.7	14.6	18.9	75.19	180.2	816.4	509.4	475.5	33.87	15.039	
5,850.0	5,829.4	5,874.8	5,817.1	14.7	18.9	75.19	180.3	817.2	510.1	476.1	33.96	15.021	
5,875.0	5,854.4	5,902.2	5,844.5	14.7	19.0	75.20	180.5	817.8	510.7	476.6	34.05	15.000	
5,900.0	5,879.4	5,929.7	5,872.0	14.7	19.1	75.20	180.6	818.3	511.2	477.0	34.12	14.983	
5,925.0	5,904.4	5,957.1	5,899.4	14.7	19.2	75.20	180.6	818.7	511.5	477.3	34.19	14.963	
5,950.0	5,929.4	5,984.6	5,926.8	14.7	19.2	75.21	180.7	819.0	511.7	477.5	34.25	14.940	
5,975.0	5,954.4	6,012.0	5,954.3	14.7	19.3	75.21	180.7	819.1	511.9	477.6	34.30	14.922	
6,000.0	5,979.4	6,038.1	5,980.4	14.7	19.3	75.21	180.7	819.1	511.9	477.5	34.32	14.913	
6,025.0	6,004.4	6,063.1	6,005.4	14.8	19.3	75.21	180.7	819.1	511.9	477.5	34.34	14.904	
6,050.0	6,029.4	6,088.1	6,030.4	14.8	19.3	75.21	180.7	819.1	511.9	477.5	34.36	14.895	
6,075.0	6,054.4	6,113.1	6,055.4	14.8	19.3	75.21	180.7	819.1	511.9	477.5	34.39	14.886	
6,100.0	6,079.4	6,138.1	6,080.4	14.8	19.3	75.21	180.7	819.1	511.9	477.5	34.41	14.876	
6,125.0	6,104.4	6,163.1	6,105.4	14.8	19.3	75.21	180.7	819.1	511.9	477.4	34.43	14.866	
6,150.0	6,129.4	6,188.1	6,130.4	14.8	19.4	75.21	180.7	819.1	511.9	477.4	34.46	14.856	
6,175.0	6,154.4	6,213.1	6,155.4	14.8	19.4	75.21	180.7	819.1	511.9	477.4	34.48	14.846	
6,200.0	6,179.4	6,238.1	6,180.4	14.9	19.4	75.21	180.7	819.1	511.9	477.4	34.50	14.836	
6,225.0	6,204.4	6,263.1	6,205.4	14.9	19.4	75.21	180.7	819.1	511.9	477.3	34.53	14.825	
6,250.0	6,229.4	6,288.1	6,230.4	14.9	19.4	75.21	180.7	819.1	511.9	477.3	34.55	14.815	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,313.1	6,255.4	14.9	19.4	75.21	180.7	819.1	511.9	477.3	34.57	14.805	
6,300.0	6,279.4	6,338.1	6,280.4	14.9	19.4	75.21	180.7	819.1	511.9	477.3	34.60	14.795	
6,325.0	6,304.4	6,363.1	6,305.4	14.9	19.4	75.21	180.7	819.1	511.9	477.2	34.62	14.785	
6,350.0	6,329.4	6,388.1	6,330.4	14.9	19.4	75.21	180.7	819.1	511.9	477.2	34.64	14.775	
6,375.0	6,354.4	6,413.1	6,355.4	15.0	19.4	75.21	180.7	819.1	511.9	477.2	34.67	14.765	
6,400.0	6,379.4	6,438.1	6,380.4	15.0	19.5	75.21	180.7	819.1	511.9	477.2	34.69	14.755	
6,425.0	6,404.4	6,463.1	6,405.4	15.0	19.5	75.21	180.7	819.1	511.9	477.2	34.71	14.745	
6,450.0	6,429.4	6,488.1	6,430.4	15.0	19.5	75.21	180.7	819.1	511.9	477.1	34.74	14.735	
6,475.0	6,454.4	6,513.1	6,455.4	15.0	19.5	75.21	180.7	819.1	511.9	477.1	34.76	14.725	
6,500.0	6,479.4	6,538.1	6,480.4	15.0	19.5	75.21	180.7	819.1	511.9	477.1	34.79	14.715	
6,525.0	6,504.4	6,563.1	6,505.4	15.0	19.5	75.21	180.7	819.1	511.9	477.1	34.81	14.705	
6,550.0	6,529.4	6,588.1	6,530.4	15.1	19.5	75.21	180.7	819.1	511.9	477.0	34.83	14.695	
6,575.0	6,554.4	6,613.1	6,555.4	15.1	19.5	75.21	180.7	819.1	511.9	477.0	34.86	14.685	
6,600.0	6,579.4	6,638.1	6,580.4	15.1	19.5	75.21	180.7	819.1	511.9	477.0	34.88	14.675	
6,625.0	6,604.4	6,663.1	6,605.4	15.1	19.5	75.21	180.7	819.1	511.9	477.0	34.90	14.665	
6,650.0	6,629.4	6,688.1	6,630.4	15.1	19.6	75.21	180.7	819.1	511.9	476.9	34.93	14.655	
6,675.0	6,654.4	6,713.1	6,655.4	15.1	19.6	75.21	180.7	819.1	511.9	476.9	34.95	14.645	
6,700.0	6,679.4	6,738.1	6,680.4	15.1	19.6	75.21	180.7	819.1	511.9	476.9	34.98	14.635	
6,725.0	6,704.4	6,763.1	6,705.4	15.2	19.6	75.21	180.7	819.1	511.9	476.9	35.00	14.625	
6,750.0	6,729.4	6,788.1	6,730.4	15.2	19.6	75.21	180.7	819.1	511.9	476.8	35.02	14.615	
6,775.0	6,754.4	6,813.1	6,755.4	15.2	19.6	75.21	180.7	819.1	511.9	476.8	35.05	14.604	
6,800.0	6,779.4	6,838.1	6,780.4	15.2	19.6	75.21	180.7	819.1	511.9	476.8	35.07	14.594	
6,825.0	6,804.4	6,863.1	6,805.4	15.2	19.6	75.21	180.7	819.1	511.9	476.8	35.10	14.584	
6,850.0	6,829.4	6,888.1	6,830.4	15.2	19.6	75.21	180.7	819.1	511.9	476.7	35.12	14.574	
6,875.0	6,854.4	6,913.1	6,855.4	15.2	19.7	75.21	180.7	819.1	511.9	476.7	35.15	14.564	
6,900.0	6,879.4	6,938.1	6,880.4	15.3	19.7	75.21	180.7	819.1	511.9	476.7	35.17	14.554	
6,925.0	6,904.4	6,963.1	6,905.4	15.3	19.7	75.21	180.7	819.1	511.9	476.7	35.19	14.544	
6,950.0	6,929.4	6,988.1	6,930.4	15.3	19.7	75.21	180.7	819.1	511.9	476.6	35.22	14.534	
6,975.0	6,954.4	7,013.1	6,955.4	15.3	19.7	75.21	180.7	819.1	511.9	476.6	35.24	14.524	
7,000.0	6,979.4	7,038.1	6,980.4	15.3	19.7	75.21	180.7	819.1	511.9	476.6	35.27	14.514	
7,025.0	7,004.4	7,063.1	7,005.4	15.3	19.7	75.21	180.7	819.1	511.9	476.6	35.29	14.504	
7,050.0	7,029.4	7,088.1	7,030.4	15.3	19.7	75.21	180.7	819.1	511.9	476.6	35.32	14.494	
7,075.0	7,054.4	7,113.1	7,055.4	15.4	19.7	75.21	180.7	819.1	511.9	476.5	35.34	14.484	
7,100.0	7,079.4	7,138.1	7,080.4	15.4	19.7	75.21	180.7	819.1	511.9	476.5	35.36	14.474	
7,125.0	7,104.4	7,163.1	7,105.4	15.4	19.8	75.21	180.7	819.1	511.9	476.5	35.39	14.464	
7,150.0	7,129.4	7,188.1	7,130.4	15.4	19.8	75.21	180.7	819.1	511.9	476.5	35.41	14.454	
7,175.0	7,154.4	7,213.1	7,155.4	15.4	19.8	75.21	180.7	819.1	511.9	476.4	35.44	14.444	
7,200.0	7,179.4	7,238.1	7,180.4	15.4	19.8	75.21	180.7	819.1	511.9	476.4	35.46	14.434	
7,225.0	7,204.4	7,263.1	7,205.4	15.4	19.8	75.21	180.7	819.1	511.9	476.4	35.49	14.424	
7,250.0	7,229.4	7,288.1	7,230.4	15.5	19.8	75.21	180.7	819.1	511.9	476.4	35.51	14.414	
7,275.0	7,254.4	7,313.1	7,255.4	15.5	19.8	75.21	180.7	819.1	511.9	476.3	35.54	14.404	
7,300.0	7,279.4	7,338.1	7,280.4	15.5	19.8	75.21	180.7	819.1	511.9	476.3	35.56	14.394	
7,325.0	7,304.4	7,363.1	7,305.4	15.5	19.8	75.21	180.7	819.1	511.9	476.3	35.59	14.384	
7,350.0	7,329.4	7,388.1	7,330.4	15.5	19.9	75.21	180.7	819.1	511.9	476.3	35.61	14.374	
7,375.0	7,354.4	7,413.1	7,355.4	15.5	19.9	75.21	180.7	819.1	511.9	476.2	35.64	14.364	
7,400.0	7,379.4	7,438.1	7,380.4	15.6	19.9	75.21	180.7	819.1	511.9	476.2	35.66	14.354	
7,425.0	7,404.4	7,463.1	7,405.4	15.6	19.9	75.21	180.7	819.1	511.9	476.2	35.68	14.344	
7,450.0	7,429.4	7,488.1	7,430.4	15.6	19.9	75.21	180.7	819.1	511.9	476.2	35.71	14.334	
7,475.0	7,454.4	7,513.1	7,455.4	15.6	19.9	75.21	180.7	819.1	511.9	476.1	35.73	14.324	
7,500.0	7,479.4	7,538.1	7,480.4	15.6	19.9	75.21	180.7	819.1	511.9	476.1	35.76	14.314	
7,525.0	7,504.4	7,563.1	7,505.4	15.6	19.9	75.21	180.7	819.1	511.9	476.1	35.78	14.304	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,588.1	7,530.4	15.6	19.9	75.21	180.7	819.1	511.9	476.1	35.81	14.294	
7,575.0	7,554.4	7,613.1	7,555.4	15.7	20.0	75.21	180.7	819.1	511.9	476.0	35.83	14.284	
7,600.0	7,579.4	7,638.1	7,580.4	15.7	20.0	75.21	180.7	819.1	511.9	476.0	35.86	14.274	
7,625.0	7,604.4	7,663.1	7,605.4	15.7	20.0	75.21	180.7	819.1	511.9	476.0	35.88	14.264	
7,650.0	7,629.4	7,688.1	7,630.4	15.7	20.0	75.21	180.7	819.1	511.9	476.0	35.91	14.254	
7,675.0	7,654.4	7,713.1	7,655.4	15.7	20.0	75.21	180.7	819.1	511.9	475.9	35.93	14.244	
7,700.0	7,679.4	7,738.1	7,680.4	15.7	20.0	75.21	180.7	819.1	511.9	475.9	35.96	14.234	
7,725.0	7,704.4	7,763.1	7,705.4	15.7	20.0	75.21	180.7	819.1	511.9	475.9	35.98	14.224	
7,750.0	7,729.4	7,788.1	7,730.4	15.8	20.0	75.21	180.7	819.1	511.9	475.9	36.01	14.215	
7,775.0	7,754.4	7,813.1	7,755.4	15.8	20.0	75.21	180.7	819.1	511.9	475.8	36.04	14.205	
7,800.0	7,779.4	7,838.1	7,780.4	15.8	20.1	75.21	180.7	819.1	511.9	475.8	36.06	14.195	
7,825.0	7,804.4	7,863.1	7,805.4	15.8	20.1	75.21	180.7	819.1	511.9	475.8	36.09	14.185	
7,850.0	7,829.4	7,888.1	7,830.4	15.8	20.1	75.21	180.7	819.1	511.9	475.8	36.11	14.175	
7,875.0	7,854.4	7,913.1	7,855.4	15.8	20.1	75.21	180.7	819.1	511.9	475.7	36.14	14.165	
7,900.0	7,879.4	7,938.1	7,880.4	15.8	20.1	75.21	180.7	819.1	511.9	475.7	36.16	14.155	
7,925.0	7,904.4	7,963.1	7,905.4	15.9	20.1	75.21	180.7	819.1	511.9	475.7	36.19	14.145	
7,950.0	7,929.4	7,988.1	7,930.4	15.9	20.1	75.21	180.7	819.1	511.9	475.7	36.21	14.135	
7,975.0	7,954.4	8,013.1	7,955.4	15.9	20.1	75.21	180.7	819.1	511.9	475.6	36.24	14.125	
8,000.0	7,979.4	8,038.1	7,980.4	15.9	20.1	75.21	180.7	819.1	511.9	475.6	36.26	14.115	
8,025.0	8,004.4	8,063.1	8,005.4	15.9	20.2	75.21	180.7	819.1	511.9	475.6	36.29	14.105	
8,050.0	8,029.4	8,088.1	8,030.4	15.9	20.2	75.21	180.7	819.1	511.9	475.6	36.31	14.095	
8,075.0	8,054.4	8,113.1	8,055.4	16.0	20.2	75.21	180.7	819.1	511.9	475.5	36.34	14.085	
8,100.0	8,079.4	8,138.1	8,080.4	16.0	20.2	75.21	180.7	819.1	511.9	475.5	36.37	14.076	
8,125.0	8,104.4	8,163.1	8,105.4	16.0	20.2	75.21	180.7	819.1	511.9	475.5	36.39	14.066	
8,150.0	8,129.4	8,188.1	8,130.4	16.0	20.2	75.21	180.7	819.1	511.9	475.5	36.42	14.056	
8,175.0	8,154.4	8,213.1	8,155.4	16.0	20.2	75.21	180.7	819.1	511.9	475.4	36.44	14.046	
8,200.0	8,179.4	8,238.1	8,180.4	16.0	20.2	75.21	180.7	819.1	511.9	475.4	36.47	14.036	
8,225.0	8,204.4	8,263.1	8,205.4	16.0	20.3	75.21	180.7	819.1	511.9	475.4	36.49	14.026	
8,250.0	8,229.4	8,288.1	8,230.4	16.1	20.3	75.21	180.7	819.1	511.9	475.3	36.52	14.016	
8,275.0	8,254.4	8,313.1	8,255.4	16.1	20.3	75.21	180.7	819.1	511.9	475.3	36.55	14.006	
8,300.0	8,279.4	8,338.1	8,280.4	16.1	20.3	75.21	180.7	819.1	511.9	475.3	36.57	13.996	
8,325.0	8,304.4	8,363.1	8,305.4	16.1	20.3	75.21	180.7	819.1	511.9	475.3	36.60	13.987	
8,350.0	8,329.4	8,388.1	8,330.4	16.1	20.3	75.21	180.7	819.1	511.9	475.2	36.62	13.977	
8,375.0	8,354.4	8,413.1	8,355.4	16.1	20.3	75.21	180.7	819.1	511.9	475.2	36.65	13.967	
8,400.0	8,379.4	8,438.1	8,380.4	16.2	20.3	75.21	180.7	819.1	511.9	475.2	36.67	13.957	
8,425.0	8,404.4	8,463.1	8,405.4	16.2	20.3	75.21	180.7	819.1	511.9	475.2	36.70	13.947	
8,450.0	8,429.4	8,488.1	8,430.4	16.2	20.4	75.21	180.7	819.1	511.9	475.1	36.73	13.937	
8,475.0	8,454.4	8,513.1	8,455.4	16.2	20.4	75.21	180.7	819.1	511.9	475.1	36.75	13.927	
8,500.0	8,479.4	8,538.1	8,480.4	16.2	20.4	75.21	180.7	819.1	511.9	475.1	36.78	13.918	
8,525.0	8,504.4	8,563.1	8,505.4	16.2	20.4	75.21	180.7	819.1	511.9	475.1	36.80	13.908	
8,550.0	8,529.4	8,588.1	8,530.4	16.2	20.4	75.21	180.7	819.1	511.9	475.0	36.83	13.898	
8,575.0	8,554.4	8,613.1	8,555.4	16.3	20.4	75.21	180.7	819.1	511.9	475.0	36.86	13.888	
8,600.0	8,579.4	8,638.1	8,580.4	16.3	20.4	75.21	180.7	819.1	511.9	475.0	36.88	13.878	
8,625.0	8,604.4	8,663.1	8,605.4	16.3	20.4	75.21	180.7	819.1	511.9	475.0	36.91	13.868	
8,650.0	8,629.4	8,688.1	8,630.4	16.3	20.4	75.21	180.7	819.1	511.9	474.9	36.94	13.859	
8,675.0	8,654.4	8,713.1	8,655.4	16.3	20.5	75.21	180.7	819.1	511.9	474.9	36.96	13.849	
8,700.0	8,679.4	8,738.1	8,680.4	16.3	20.5	75.21	180.7	819.1	511.9	474.9	36.99	13.839	
8,725.0	8,704.4	8,763.1	8,705.4	16.4	20.5	75.21	180.7	819.1	511.9	474.9	37.01	13.829	
8,750.0	8,729.4	8,788.1	8,730.4	16.4	20.5	75.21	180.7	819.1	511.9	474.8	37.04	13.819	
8,775.0	8,754.4	8,813.1	8,755.4	16.4	20.5	75.21	180.7	819.1	511.9	474.8	37.07	13.810	
8,800.0	8,779.4	8,838.1	8,780.4	16.4	20.5	75.21	180.7	819.1	511.9	474.8	37.09	13.800	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,863.1	8,805.4	16.4	20.5	75.21	180.7	819.1	511.9	474.7	37.12	13.790	
8,850.0	8,829.4	8,888.1	8,830.4	16.4	20.5	75.21	180.7	819.1	511.9	474.7	37.15	13.780	
8,875.0	8,854.4	8,913.1	8,855.4	16.4	20.6	75.21	180.7	819.1	511.9	474.7	37.17	13.770	
8,900.0	8,879.4	8,938.1	8,880.4	16.5	20.6	75.21	180.7	819.1	511.9	474.7	37.20	13.761	
8,925.0	8,904.4	8,963.1	8,905.4	16.5	20.6	75.21	180.7	819.1	511.9	474.6	37.22	13.751	
8,950.0	8,929.4	8,988.1	8,930.4	16.5	20.6	75.21	180.7	819.1	511.9	474.6	37.25	13.741	
8,975.0	8,954.4	9,013.1	8,955.4	16.5	20.6	75.21	180.7	819.1	511.9	474.6	37.28	13.731	
9,000.0	8,979.4	9,038.1	8,980.4	16.5	20.6	75.21	180.7	819.1	511.9	474.6	37.30	13.722	
9,025.0	9,004.4	9,063.1	9,005.4	16.5	20.6	75.21	180.7	819.1	511.9	474.5	37.33	13.712	
9,050.0	9,029.4	9,088.1	9,030.4	16.6	20.6	75.21	180.7	819.1	511.9	474.5	37.36	13.702	
9,075.0	9,054.4	9,113.1	9,055.4	16.6	20.6	75.21	180.7	819.1	511.9	474.5	37.38	13.693	
9,100.0	9,079.4	9,138.1	9,080.4	16.6	20.7	75.21	180.7	819.1	511.9	474.5	37.41	13.684	
9,125.0	9,104.4	9,163.1	9,105.4	16.6	20.7	75.21	180.7	819.1	511.9	474.4	37.43	13.675	
9,127.5	9,106.9	9,165.6	9,107.9	16.6	20.7	75.21	180.7	819.1	511.9	474.4	37.43	13.674	
9,150.0	9,129.4	9,186.2	9,128.5	16.6	20.7	75.20	180.8	819.1	511.9	474.4	37.46	13.664	
9,175.0	9,154.4	9,205.8	9,148.1	16.6	20.7	75.13	181.4	819.1	512.1	474.6	37.51	13.652	
9,200.0	9,179.4	9,225.0	9,167.2	16.6	20.7	74.97	182.9	819.1	512.6	475.0	37.56	13.648 SF	
9,225.0	9,204.4	9,244.7	9,186.8	16.7	20.7	74.72	185.2	819.1	513.4	475.8	37.60	13.652	
9,250.0	9,229.4	9,263.9	9,205.7	16.7	20.7	74.40	188.2	819.1	514.4	476.8	37.65	13.664	
9,275.0	9,254.4	9,282.8	9,224.2	16.7	20.7	74.00	191.9	819.1	515.8	478.1	37.69	13.685	
9,300.0	9,279.4	9,300.0	9,241.0	16.7	20.7	73.58	195.9	819.1	517.4	479.7	37.74	13.712	
9,325.0	9,304.4	9,319.5	9,259.8	16.7	20.7	73.02	201.2	819.1	519.4	481.7	37.77	13.754	
9,350.0	9,329.4	9,337.3	9,276.7	16.7	20.7	72.44	206.6	819.1	521.8	484.0	37.80	13.803	
9,375.0	9,354.4	9,354.7	9,293.0	16.8	20.7	71.82	212.6	819.1	524.6	486.8	37.84	13.864	
9,400.0	9,379.4	9,371.5	9,308.7	16.8	20.7	71.16	218.9	819.1	527.8	489.9	37.87	13.937	
9,425.0	9,404.4	9,387.9	9,323.6	16.8	20.7	70.47	225.6	819.0	531.4	493.5	37.90	14.022	
9,450.0	9,429.4	9,403.8	9,337.9	16.8	20.7	69.75	232.5	819.0	535.5	497.6	37.92	14.121	
9,475.0	9,454.4	9,419.1	9,351.5	16.8	20.7	69.03	239.7	819.0	540.0	502.1	37.94	14.233	
9,500.0	9,479.4	9,434.0	9,364.3	16.8	20.7	68.29	247.0	819.0	545.1	507.1	37.96	14.360	
9,525.0	9,504.4	9,450.0	9,378.0	16.8	20.7	67.45	255.4	819.0	550.7	512.7	37.96	14.506	
9,550.0	9,529.4	9,462.1	9,388.1	16.9	20.7	66.80	262.0	819.0	556.8	518.8	37.98	14.659	
9,575.0	9,554.4	9,475.0	9,398.7	16.9	20.7	66.09	269.4	819.0	563.5	525.5	37.99	14.831	
9,600.0	9,579.4	9,488.1	9,409.3	16.9	20.7	65.34	277.1	819.0	570.7	532.7	37.99	15.020	
9,625.0	9,604.4	9,500.0	9,418.7	16.9	20.7	64.65	284.4	819.0	578.5	540.5	38.00	15.223	
9,650.0	9,629.4	9,512.1	9,428.1	16.9	20.7	63.93	292.1	819.0	586.8	548.8	38.00	15.444	
9,675.0	9,654.4	9,525.0	9,437.9	16.9	20.7	63.15	300.5	819.0	595.7	557.7	37.98	15.682	
9,700.0	9,679.4	9,534.3	9,444.8	17.0	20.7	62.57	306.7	819.0	605.1	567.1	37.99	15.928	
9,725.0	9,704.4	9,550.0	9,456.1	17.0	20.7	61.60	317.5	818.9	615.2	577.2	37.96	16.208	
9,750.0	9,729.4	9,550.0	9,456.1	17.0	20.7	61.60	317.5	818.9	625.7	587.7	38.02	16.459	
9,775.0	9,754.4	9,564.4	9,466.2	17.0	20.7	60.69	327.8	818.9	636.8	598.8	37.99	16.764	
9,800.0	9,779.4	9,575.0	9,473.5	17.0	20.7	60.01	335.5	818.9	648.4	610.4	37.98	17.074	
9,825.0	9,804.4	9,582.4	9,478.5	17.0	20.7	59.53	341.0	818.9	660.5	622.5	37.98	17.390	
9,850.0	9,829.4	9,590.9	9,484.1	17.1	20.7	58.99	347.4	818.9	673.1	635.2	37.99	17.721	
9,875.0	9,854.4	9,600.0	9,489.9	17.1	20.7	58.40	354.4	818.9	686.2	648.3	37.99	18.065	
9,900.0	9,879.4	9,606.9	9,494.3	17.1	20.7	57.95	359.7	818.9	699.8	661.8	38.00	18.416	
9,925.0	9,904.4	9,614.4	9,498.9	17.1	20.8	57.46	365.6	818.9	713.8	675.8	38.01	18.780	
9,950.0	9,929.4	9,625.0	9,505.3	17.1	20.8	56.77	374.1	818.9	728.3	690.3	38.00	19.165	
9,975.0	9,954.4	9,625.0	9,505.3	17.1	20.8	56.77	374.1	818.9	743.2	705.1	38.06	19.527	
10,000.0	9,979.4	9,635.3	9,511.3	17.1	20.8	56.10	382.4	818.9	758.4	720.3	38.05	19.930	
10,025.0	10,004.4	9,641.7	9,515.0	17.2	20.8	55.68	387.7	818.9	774.1	736.0	38.07	20.330	
10,050.0	10,029.4	9,650.0	9,519.6	17.2	20.8	55.14	394.6	818.8	790.1	752.0	38.08	20.745	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,075.0	10,054.4	9,650.0	9,519.6	17.2	20.8	55.14	394.6	818.8	806.5	768.3	38.15	21.142	
10,100.0	10,079.4	9,659.6	9,524.9	17.2	20.8	54.52	402.6	818.8	823.2	785.0	38.15	21.575	
10,125.0	10,104.4	9,665.1	9,527.8	17.2	20.8	54.16	407.3	818.8	840.2	802.0	38.18	22.003	
10,150.0	10,129.4	9,675.0	9,532.9	17.2	20.8	53.52	415.7	818.8	857.5	819.4	38.19	22.453	
10,175.0	10,154.4	9,675.0	9,532.9	17.3	20.8	53.52	415.7	818.8	875.1	836.9	38.26	22.874	
10,200.0	10,179.4	9,675.0	9,532.9	17.3	20.8	53.52	415.7	818.8	893.1	854.8	38.32	23.304	
10,225.0	10,204.4	9,685.3	9,538.0	17.3	20.8	52.86	424.7	818.8	911.2	872.9	38.34	23.768	
10,250.0	10,229.4	9,689.9	9,540.3	17.3	20.8	52.56	428.7	818.8	929.7	891.3	38.38	24.220	
10,275.0	10,254.4	9,700.0	9,545.0	17.3	20.8	51.91	437.6	818.8	948.4	910.0	38.40	24.696	
10,300.0	10,279.4	9,700.0	9,545.0	17.3	20.8	51.91	437.6	818.8	967.3	928.8	38.47	25.140	
10,307.2	10,286.6	9,700.0	9,545.0	17.4	20.8	51.91	437.6	818.8	972.7	934.3	38.49	25.269	
10,325.0	10,304.4	9,700.0	9,545.0	17.4	20.8	50.04	437.6	818.8	986.3	947.7	38.61	25.545	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1.0	1.0	0.0	0.0	78.34	41.2	199.7	203.9				
25.0	25.0	26.0	26.0	0.5	0.1	78.34	41.2	199.7	203.9				
50.0	50.0	51.0	51.0	0.5	0.3	78.34	41.2	199.7	203.9	202.6	1.28	159.582	
75.0	75.0	76.0	76.0	0.5	0.4	78.34	41.2	199.7	203.9	202.5	1.37	148.543	
100.0	100.0	101.0	101.0	0.5	0.5	78.34	41.2	199.7	203.9	202.4	1.49	136.833	
125.0	125.0	126.0	126.0	0.6	0.6	78.34	41.2	199.7	203.9	202.2	1.74	117.447	
150.0	150.0	151.0	151.0	0.8	0.8	78.34	41.2	199.7	203.9	201.9	1.98	102.872	
175.0	175.0	176.0	176.0	0.9	0.9	78.34	41.2	199.7	203.9	201.7	2.23	91.515	
200.0	200.0	201.0	201.0	1.0	1.0	78.34	41.2	199.7	203.9	201.4	2.47	82.474	
225.0	225.0	226.0	226.0	1.1	1.1	78.34	41.2	199.7	203.9	201.3	2.63	77.467	
250.0	250.0	251.0	251.0	1.2	1.2	78.34	41.2	199.7	203.9	201.1	2.79	73.034	
275.0	275.0	276.0	276.0	1.3	1.3	78.34	41.2	199.7	203.9	201.0	2.95	69.081	
300.0	300.0	301.0	301.0	1.4	1.4	78.34	41.2	199.7	203.9	200.8	3.11	65.547	
325.0	325.0	326.0	326.0	1.4	1.4	78.34	41.2	199.7	203.9	200.7	3.24	62.956	
350.0	350.0	351.0	351.0	1.5	1.5	78.34	41.2	199.7	203.9	200.5	3.37	60.561	
375.0	375.0	376.0	376.0	1.6	1.6	78.34	41.2	199.7	203.9	200.4	3.50	58.342	
400.0	400.0	401.0	401.0	1.6	1.6	78.34	41.2	199.7	203.9	200.3	3.62	56.285	
425.0	425.0	426.0	426.0	1.7	1.7	78.34	41.2	199.7	203.9	200.2	3.73	54.626	
450.0	450.0	451.0	451.0	1.8	1.8	78.34	41.2	199.7	203.9	200.1	3.84	53.061	
475.0	475.0	476.0	476.0	1.8	1.8	78.34	41.2	199.7	203.9	200.0	3.95	51.584	
500.0	500.0	501.0	501.0	1.9	1.9	78.34	41.2	199.7	203.9	199.8	4.06	50.189	
525.0	525.0	526.0	526.0	1.9	1.9	78.34	41.2	199.7	203.9	199.7	4.16	49.006	
550.0	550.0	551.0	551.0	2.0	2.0	78.34	41.2	199.7	203.9	199.6	4.26	47.878	
575.0	575.0	576.0	576.0	2.1	2.1	78.34	41.2	199.7	203.9	199.5	4.36	46.800	
600.0	600.0	601.0	601.0	2.1	2.1	78.34	41.2	199.7	203.9	199.5	4.45	45.772	
625.0	625.0	626.0	626.0	2.2	2.2	78.34	41.2	199.7	203.9	199.4	4.54	44.872	
650.0	650.0	651.0	651.0	2.2	2.2	78.34	41.2	199.7	203.9	199.3	4.63	44.007	
675.0	675.0	676.0	676.0	2.3	2.3	78.34	41.2	199.7	203.9	199.2	4.72	43.174	
700.0	700.0	701.0	701.0	2.3	2.3	78.34	41.2	199.7	203.9	199.1	4.81	42.374	
725.0	725.0	726.0	726.0	2.4	2.4	78.34	41.2	199.7	203.9	199.0	4.89	41.659	
750.0	750.0	751.0	751.0	2.4	2.4	78.34	41.2	199.7	203.9	198.9	4.98	40.967	
775.0	775.0	776.0	776.0	2.5	2.5	78.34	41.2	199.7	203.9	198.8	5.06	40.298	
800.0	800.0	801.0	801.0	2.5	2.5	78.34	41.2	199.7	203.9	198.8	5.14	39.652	
825.0	825.0	826.0	826.0	2.6	2.6	78.34	41.2	199.7	203.9	198.7	5.22	39.065	
850.0	850.0	851.0	851.0	2.6	2.6	78.34	41.2	199.7	203.9	198.6	5.30	38.495	
875.0	875.0	876.0	876.0	2.6	2.6	78.34	41.2	199.7	203.9	198.5	5.37	37.942	
900.0	900.0	901.0	901.0	2.7	2.7	78.34	41.2	199.7	203.9	198.5	5.45	37.405	
925.0	925.0	926.0	926.0	2.7	2.7	78.34	41.2	199.7	203.9	198.4	5.52	36.912	
950.0	950.0	951.0	951.0	2.8	2.8	78.34	41.2	199.7	203.9	198.3	5.60	36.432	
975.0	975.0	976.0	976.0	2.8	2.8	78.34	41.2	199.7	203.9	198.2	5.67	35.964	
1,000.0	1,000.0	1,001.0	1,001.0	2.9	2.9	78.34	41.2	199.7	203.9	198.2	5.74	35.509	
1,025.0	1,025.0	1,026.0	1,026.0	2.9	2.9	78.34	41.2	199.7	203.9	198.1	5.81	35.087	
1,050.0	1,050.0	1,051.0	1,051.0	3.0	3.0	78.34	41.2	199.7	203.9	198.0	5.88	34.675	
1,075.0	1,075.0	1,076.0	1,076.0	3.0	3.0	78.34	41.2	199.7	203.9	198.0	5.95	34.272	
1,100.0	1,100.0	1,101.0	1,101.0	3.0	3.0	78.34	41.2	199.7	203.9	197.9	6.02	33.879	
1,125.0	1,125.0	1,126.0	1,126.0	3.1	3.1	78.34	41.2	199.7	203.9	197.8	6.08	33.513	
1,150.0	1,150.0	1,151.0	1,151.0	3.1	3.1	78.34	41.2	199.7	203.9	197.8	6.15	33.154	
1,175.0	1,175.0	1,176.0	1,176.0	3.2	3.2	78.34	41.2	199.7	203.9	197.7	6.22	32.802	
1,200.0	1,200.0	1,201.0	1,201.0	3.2	3.2	78.34	41.2	199.7	203.9	197.6	6.28	32.459	
1,225.0	1,225.0	1,226.0	1,226.0	3.2	3.2	78.34	41.2	199.7	203.9	197.6	6.35	32.136	
1,250.0	1,250.0	1,251.0	1,251.0	3.3	3.3	78.34	41.2	199.7	203.9	197.5	6.41	31.820	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,276.0	1,276.0	3.3	3.3	78.34	41.2	199.7	203.9	197.4	6.47	31.509	
1,300.0	1,300.0	1,301.0	1,301.0	3.4	3.4	78.34	41.2	199.7	203.9	197.4	6.53	31.205	
1,325.0	1,325.0	1,326.0	1,326.0	3.4	3.4	78.34	41.2	199.7	203.9	197.3	6.59	30.918	
1,350.0	1,350.0	1,351.0	1,351.0	3.4	3.4	78.34	41.2	199.7	203.9	197.3	6.66	30.637	
1,375.0	1,375.0	1,376.0	1,376.0	3.5	3.5	78.34	41.2	199.7	203.9	197.2	6.72	30.360	
1,400.0	1,400.0	1,401.0	1,401.0	3.5	3.5	78.34	41.2	199.7	203.9	197.1	6.78	30.089	
1,425.0	1,425.0	1,426.0	1,426.0	3.6	3.6	78.34	41.2	199.7	203.9	197.1	6.84	29.831	
1,450.0	1,450.0	1,451.0	1,451.0	3.6	3.6	78.34	41.2	199.7	203.9	197.0	6.89	29.578	
1,475.0	1,475.0	1,476.0	1,476.0	3.6	3.6	78.34	41.2	199.7	203.9	197.0	6.95	29.330	
1,500.0	1,500.0	1,501.0	1,501.0	3.7	3.7	78.34	41.2	199.7	203.9	196.9	7.01	29.085	
1,525.0	1,525.0	1,526.0	1,526.0	3.7	3.7	78.34	41.2	199.7	203.9	196.8	7.07	28.853	
1,550.0	1,550.0	1,551.0	1,551.0	3.8	3.8	78.34	41.2	199.7	203.9	196.8	7.12	28.624	
1,575.0	1,575.0	1,576.0	1,576.0	3.8	3.8	78.34	41.2	199.7	203.9	196.7	7.18	28.398	
1,600.0	1,600.0	1,601.0	1,601.0	3.8	3.8	78.34	41.2	199.7	203.9	196.7	7.24	28.177	
1,625.0	1,625.0	1,626.0	1,626.0	3.9	3.9	78.34	41.2	199.7	203.9	196.6	7.29	27.965	
1,650.0	1,650.0	1,651.0	1,651.0	3.9	3.9	78.34	41.2	199.7	203.9	196.6	7.35	27.757	
1,675.0	1,675.0	1,676.0	1,676.0	3.9	3.9	78.34	41.2	199.7	203.9	196.5	7.40	27.551	
1,700.0	1,700.0	1,701.0	1,701.0	4.0	4.0	78.34	41.2	199.7	203.9	196.5	7.46	27.349	
1,725.0	1,725.0	1,726.0	1,726.0	4.0	4.0	78.34	41.2	199.7	203.9	196.4	7.51	27.156	
1,750.0	1,750.0	1,751.0	1,751.0	4.1	4.1	78.34	41.2	199.7	203.9	196.3	7.56	26.965	
1,775.0	1,775.0	1,776.0	1,776.0	4.1	4.1	78.34	41.2	199.7	203.9	196.3	7.62	26.776	
1,800.0	1,800.0	1,801.0	1,801.0	4.1	4.1	78.34	41.2	199.7	203.9	196.2	7.67	26.591	
1,825.0	1,825.0	1,826.0	1,826.0	4.2	4.2	78.34	41.2	199.7	203.9	196.2	7.72	26.413	
1,850.0	1,850.0	1,851.0	1,851.0	4.2	4.2	78.34	41.2	199.7	203.9	196.1	7.77	26.237	
1,875.0	1,875.0	1,876.0	1,876.0	4.2	4.2	78.34	41.2	199.7	203.9	196.1	7.82	26.064	
1,900.0	1,900.0	1,901.0	1,901.0	4.3	4.3	78.34	41.2	199.7	203.9	196.0	7.88	25.893	
1,925.0	1,925.0	1,926.0	1,926.0	4.3	4.3	78.34	41.2	199.7	203.9	196.0	7.93	25.728	
1,950.0	1,950.0	1,951.0	1,951.0	4.3	4.3	78.34	41.2	199.7	203.9	195.9	7.98	25.566	
1,975.0	1,975.0	1,976.0	1,976.0	4.4	4.4	78.34	41.2	199.7	203.9	195.9	8.03	25.405	
2,000.0	2,000.0	2,001.0	2,001.0	4.4	4.4	78.34	41.2	199.7	203.9	195.8	8.08	25.244	
2,025.0	2,025.0	2,026.0	2,026.0	4.4	4.5	23.35	41.2	199.7	203.9	195.7	8.15	25.011	
2,050.0	2,050.0	2,051.0	2,051.0	4.5	4.5	23.37	41.2	199.7	203.7	195.5	8.22	24.771	
2,075.0	2,075.0	2,076.0	2,076.0	4.5	4.6	23.40	41.2	199.7	203.5	195.2	8.30	24.522	
2,100.0	2,100.0	2,101.0	2,101.0	4.5	4.6	23.44	41.2	199.7	203.1	194.7	8.37	24.267	
2,125.0	2,125.0	2,126.0	2,126.0	4.6	4.7	23.50	41.2	199.7	202.7	194.2	8.46	23.950	
2,150.0	2,150.0	2,151.0	2,151.0	4.6	4.7	23.57	41.2	199.7	202.1	193.6	8.55	23.628	
2,175.0	2,175.0	2,176.0	2,176.0	4.6	4.7	23.65	41.2	199.7	201.5	192.8	8.65	23.301	
2,200.0	2,200.0	2,201.0	2,201.0	4.7	4.8	23.75	41.2	199.7	200.7	192.0	8.74	22.969	
2,225.0	2,224.9	2,226.3	2,226.3	4.7	4.8	23.83	41.3	199.7	199.8	191.0	8.84	22.617	
2,250.0	2,249.9	2,251.6	2,251.6	4.8	4.9	23.86	41.6	199.5	198.8	189.9	8.93	22.259	
2,275.0	2,274.9	2,276.9	2,276.9	4.8	5.0	23.84	42.2	199.3	197.7	188.6	9.03	21.897	
2,300.0	2,299.9	2,302.2	2,302.2	4.9	5.0	23.76	42.9	199.0	196.4	187.3	9.12	21.529	
2,325.0	2,324.8	2,327.5	2,327.4	4.9	5.1	23.64	43.8	198.6	194.9	185.7	9.22	21.141	
2,350.0	2,349.8	2,352.7	2,352.7	4.9	5.1	23.46	45.0	198.2	193.4	184.0	9.32	20.746	
2,375.0	2,374.7	2,378.0	2,377.8	5.0	5.2	23.23	46.3	197.6	191.7	182.2	9.42	20.344	
2,400.0	2,399.7	2,403.2	2,403.0	5.0	5.3	22.94	47.9	197.0	189.8	180.3	9.52	19.935	
2,425.0	2,424.6	2,428.3	2,428.1	5.1	5.3	22.60	49.6	196.3	187.8	178.2	9.63	19.514	
2,450.0	2,449.5	2,453.5	2,453.1	5.1	5.4	22.19	51.6	195.5	185.7	176.0	9.73	19.087	
2,475.0	2,474.5	2,478.6	2,478.1	5.2	5.5	21.71	53.7	194.6	183.5	173.7	9.84	18.655	
2,500.0	2,499.4	2,503.6	2,503.1	5.2	5.5	21.17	56.1	193.7	181.2	171.2	9.94	18.225	
2,525.0	2,524.3	2,528.7	2,527.9	5.3	5.6	15.66	58.7	192.6	178.7	168.6	10.03	17.807	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,549.2	2,553.6	2,552.7	5.4	5.6	10.48	61.4	191.5	176.0	165.9	10.13	17.377	
2,575.0	2,574.0	2,578.3	2,577.2	5.4	5.7	5.65	64.2	190.4	173.2	163.0	10.23	16.939	
2,600.0	2,598.9	2,602.9	2,601.7	5.5	5.7	1.15	67.0	189.3	170.3	160.0	10.33	16.492	
2,625.0	2,623.7	2,627.6	2,626.1	5.5	5.7	-3.06	69.8	188.1	167.3	156.9	10.46	15.993	
2,650.0	2,648.6	2,652.1	2,650.5	5.6	5.8	-7.03	72.5	187.0	164.2	153.6	10.60	15.495	
2,675.0	2,673.4	2,676.7	2,674.9	5.7	5.9	-10.81	75.3	185.9	161.1	150.3	10.74	15.000	
2,700.0	2,698.2	2,701.2	2,699.2	5.7	5.9	-14.43	78.1	184.8	157.8	147.0	10.88	14.510	
2,717.4	2,715.4	2,718.3	2,716.1	5.7	6.0	-16.89	80.0	184.0	155.6	144.6	10.95	14.201	
2,725.0	2,722.9	2,725.7	2,723.5	5.7	6.0	-17.34	80.9	183.7	154.6	143.6	11.00	14.058	
2,750.0	2,747.7	2,750.1	2,747.8	5.8	6.0	-18.86	83.6	182.5	151.4	140.2	11.13	13.598	
2,775.0	2,772.4	2,774.6	2,772.0	5.9	6.1	-20.45	86.4	181.4	148.3	137.0	11.27	13.159	
2,800.0	2,797.2	2,799.0	2,796.3	5.9	6.2	-22.09	89.1	180.3	145.3	133.9	11.41	12.739	
2,825.0	2,822.0	2,823.5	2,820.6	6.0	6.2	-23.81	91.9	179.2	142.5	130.9	11.55	12.335	
2,850.0	2,846.7	2,848.0	2,844.9	6.0	6.3	-25.59	94.7	178.1	139.8	128.1	11.69	11.951	
2,875.0	2,871.5	2,872.4	2,869.1	6.1	6.4	-27.43	97.4	177.0	137.2	125.4	11.84	11.589	
2,900.0	2,896.2	2,896.9	2,893.4	6.2	6.4	-29.34	100.2	175.8	134.8	122.8	11.98	11.247	
2,925.0	2,921.0	2,921.4	2,917.7	6.3	6.5	-31.32	103.0	174.7	132.5	120.4	12.12	10.933	
2,950.0	2,945.7	2,946.0	2,942.2	6.3	6.6	-33.33	105.7	173.6	130.4	118.1	12.28	10.623	
2,975.0	2,970.5	2,970.7	2,966.7	6.4	6.6	-35.37	108.3	172.6	128.4	116.0	12.43	10.332	
3,000.0	2,995.2	2,995.4	2,991.2	6.5	6.7	-37.43	110.8	171.6	126.6	114.0	12.58	10.060	
3,025.0	3,020.0	3,020.1	3,015.8	6.6	6.8	-39.50	113.2	170.6	124.9	112.1	12.73	9.808	
3,050.0	3,044.8	3,044.8	3,040.5	6.6	6.9	-41.58	115.5	169.6	123.3	110.4	12.87	9.574	
3,075.0	3,069.5	3,069.6	3,065.1	6.7	6.9	-43.67	117.7	168.7	121.8	108.8	13.02	9.355	
3,100.0	3,094.3	3,094.5	3,089.8	6.8	7.0	-45.77	119.9	167.9	120.4	107.3	13.16	9.152	
3,125.0	3,119.0	3,119.3	3,114.6	6.9	7.1	-47.87	121.9	167.1	119.2	105.9	13.30	8.961	
3,150.0	3,143.8	3,144.2	3,139.4	7.0	7.1	-49.97	123.8	166.3	118.0	104.6	13.44	8.784	
3,175.0	3,168.5	3,169.1	3,164.2	7.1	7.2	-52.07	125.7	165.5	117.0	103.4	13.57	8.619	
3,200.0	3,193.3	3,194.0	3,189.0	7.1	7.3	-54.16	127.4	164.8	116.0	102.3	13.70	8.465	
3,225.0	3,218.1	3,218.9	3,213.9	7.2	7.4	-56.25	129.1	164.2	115.1	101.3	13.83	8.323	
3,250.0	3,242.8	3,243.9	3,238.8	7.3	7.4	-58.33	130.6	163.6	114.4	100.4	13.96	8.190	
3,275.0	3,267.6	3,268.9	3,263.8	7.4	7.5	-60.40	132.0	163.0	113.6	99.6	14.09	8.067	
3,300.0	3,292.3	3,293.9	3,288.8	7.5	7.6	-62.45	133.4	162.4	113.0	98.8	14.21	7.952	
3,325.0	3,317.1	3,318.9	3,313.8	7.6	7.6	-64.49	134.6	161.9	112.4	98.1	14.33	7.845	
3,350.0	3,341.8	3,344.0	3,338.8	7.7	7.7	-66.52	135.8	161.5	111.9	97.5	14.45	7.745	
3,375.0	3,366.6	3,369.1	3,363.8	7.8	7.8	-68.52	136.8	161.0	111.5	96.9	14.57	7.652	
3,400.0	3,391.4	3,394.2	3,388.9	7.9	7.9	-70.52	137.7	160.7	111.1	96.4	14.68	7.565	
3,425.0	3,416.1	3,419.3	3,414.0	8.0	7.9	-72.49	138.6	160.3	110.7	95.9	14.79	7.484	
3,450.0	3,440.9	3,444.4	3,439.1	8.0	8.0	-74.45	139.3	160.0	110.4	95.5	14.90	7.408	
3,475.0	3,465.6	3,469.5	3,464.2	8.1	8.0	-76.38	139.9	159.8	110.1	95.1	15.00	7.337	
3,500.0	3,490.4	3,494.7	3,489.4	8.2	8.1	-78.31	140.5	159.6	109.8	94.7	15.11	7.268	
3,525.0	3,515.1	3,519.8	3,514.5	8.3	8.2	-80.21	140.9	159.4	109.6	94.4	15.20	7.207	
3,550.0	3,539.9	3,545.0	3,539.7	8.4	8.2	-82.10	141.2	159.3	109.4	94.1	15.30	7.149	
3,575.0	3,564.7	3,570.2	3,564.9	8.5	8.3	-83.97	141.5	159.2	109.2	93.8	15.39	7.093	
3,600.0	3,589.4	3,595.4	3,590.1	8.6	8.3	-85.83	141.6	159.1	109.0	93.5	15.48	7.039	
3,625.0	3,614.2	3,620.5	3,615.2	8.7	8.4	-87.67	141.6	159.1	108.8	93.3	15.54	6.999	
3,650.0	3,638.9	3,645.2	3,639.9	8.8	8.4	-89.49	141.6	159.1	108.7	93.1	15.61	6.964	
3,657.0	3,645.9	3,652.2	3,646.9	8.8	8.4	-90.00	141.6	159.1	108.7	93.1	15.63	6.955 CC	
3,675.0	3,663.7	3,670.0	3,664.7	8.9	8.4	-91.30	141.6	159.1	108.7	93.1	15.68	6.936 ES	
3,700.0	3,688.4	3,694.8	3,689.4	9.0	8.5	-93.12	141.6	159.1	108.9	93.1	15.74	6.916	
3,725.0	3,713.2	3,719.5	3,714.2	9.1	8.5	-94.92	141.6	159.1	109.1	93.3	15.80	6.905	
3,750.0	3,737.9	3,744.3	3,738.9	9.2	8.5	-96.72	141.6	159.1	109.5	93.6	15.86	6.901	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,769.0	3,763.7	9.3	8.5	-98.50	141.6	159.1	109.9	94.0	15.93	6.903	
3,800.0	3,787.5	3,793.8	3,788.5	9.4	8.6	-100.27	141.6	159.1	110.5	94.5	15.99	6.912	
3,825.0	3,812.2	3,818.5	3,813.2	9.5	8.6	-102.02	141.6	159.1	111.2	95.1	16.05	6.926	
3,850.0	3,837.0	3,843.3	3,838.0	9.6	8.6	-103.75	141.6	159.1	112.0	95.8	16.12	6.945	
3,875.0	3,861.7	3,868.0	3,862.7	9.7	8.6	-105.45	141.6	159.1	112.9	96.7	16.19	6.969	
3,900.0	3,886.5	3,892.8	3,887.5	9.8	8.6	-107.12	141.6	159.1	113.8	97.6	16.27	6.998	
3,925.0	3,911.2	3,917.6	3,912.2	9.9	8.7	-108.76	141.6	159.1	114.9	98.6	16.34	7.032	
3,950.0	3,936.0	3,942.3	3,937.0	10.0	8.7	-110.38	141.6	159.1	116.1	99.7	16.42	7.069	
3,975.0	3,960.8	3,967.1	3,961.8	10.1	8.7	-111.96	141.6	159.1	117.4	100.9	16.51	7.110	
4,000.0	3,985.5	3,991.8	3,986.5	10.2	8.7	-113.50	141.6	159.1	118.7	102.1	16.59	7.154	
4,025.0	4,010.3	4,016.6	4,011.3	10.3	8.8	-115.01	141.6	159.1	120.2	103.5	16.69	7.201	
4,050.0	4,035.0	4,041.3	4,036.0	10.4	8.8	-116.48	141.6	159.1	121.7	104.9	16.78	7.251	
4,075.0	4,059.8	4,066.1	4,060.8	10.5	8.8	-117.92	141.6	159.1	123.3	106.4	16.88	7.304	
4,100.0	4,084.5	4,090.9	4,085.5	10.6	8.8	-119.32	141.6	159.1	125.0	108.0	16.98	7.359	
4,125.0	4,109.3	4,115.6	4,110.3	10.7	8.9	-120.68	141.6	159.1	126.7	109.6	17.09	7.415	
4,150.0	4,134.1	4,140.4	4,135.1	10.8	8.9	-122.01	141.6	159.1	128.5	111.3	17.20	7.474	
4,175.0	4,158.8	4,165.1	4,159.8	10.9	8.9	-123.29	141.6	159.1	130.4	113.1	17.31	7.535	
4,200.0	4,183.6	4,189.9	4,184.6	11.0	8.9	-124.54	141.6	159.1	132.4	115.0	17.43	7.596	
4,225.0	4,208.3	4,214.6	4,209.3	11.1	9.0	-125.76	141.6	159.1	134.4	116.9	17.55	7.660	
4,250.0	4,233.1	4,239.4	4,234.1	11.2	9.0	-126.94	141.6	159.1	136.5	118.8	17.67	7.724	
4,275.0	4,257.8	4,264.2	4,258.8	11.3	9.0	-128.08	141.6	159.1	138.6	120.8	17.79	7.790	
4,300.0	4,282.6	4,288.9	4,283.6	11.4	9.0	-129.19	141.6	159.1	140.8	122.9	17.92	7.856	
4,325.0	4,307.4	4,313.7	4,308.4	11.5	9.1	-130.26	141.6	159.1	143.0	125.0	18.04	7.927	
4,350.0	4,332.1	4,338.4	4,333.1	11.6	9.1	-131.30	141.6	159.1	145.3	127.1	18.17	7.999	
4,365.6	4,347.6	4,353.9	4,348.6	11.6	9.1	-131.94	141.6	159.1	146.8	128.5	18.25	8.044	
4,375.0	4,356.9	4,363.2	4,357.9	11.7	9.1	-132.32	141.6	159.1	147.6	129.4	18.29	8.072	
4,400.0	4,381.6	4,388.0	4,382.6	11.7	9.1	-133.28	141.6	159.1	150.0	131.5	18.41	8.145	
4,425.0	4,406.4	4,412.7	4,407.4	11.8	9.2	-134.19	141.6	159.1	152.2	133.7	18.55	8.208	
4,450.0	4,431.2	4,437.5	4,432.2	11.9	9.2	-135.05	141.6	159.1	154.5	135.8	18.68	8.268	
4,475.0	4,456.0	4,462.3	4,457.0	12.0	9.2	-135.85	141.6	159.1	156.7	137.8	18.82	8.325	
4,500.0	4,480.9	4,487.2	4,481.9	12.1	9.2	-136.61	141.6	159.1	158.8	139.8	18.95	8.379	
4,525.0	4,505.7	4,512.0	4,506.7	12.2	9.2	-137.31	141.6	159.1	160.9	141.8	19.08	8.430	
4,550.0	4,530.5	4,536.9	4,531.5	12.3	9.3	-137.98	141.6	159.1	162.9	143.7	19.22	8.477	
4,575.0	4,555.4	4,561.7	4,556.4	12.4	9.3	-138.60	141.6	159.1	164.9	145.5	19.35	8.521	
4,600.0	4,580.3	4,586.6	4,581.3	12.5	9.3	-139.18	141.6	159.1	166.8	147.3	19.48	8.561	
4,625.0	4,605.2	4,611.5	4,606.2	12.6	9.3	-139.73	141.6	159.1	168.6	149.0	19.61	8.598	
4,650.0	4,630.1	4,636.4	4,631.1	12.7	9.4	-140.24	141.6	159.1	170.4	150.6	19.74	8.632	
4,675.0	4,655.0	4,661.3	4,656.0	12.8	9.4	-140.72	141.6	159.1	172.1	152.2	19.87	8.661	
4,700.0	4,679.9	4,686.2	4,680.9	12.9	9.4	-141.16	141.6	159.1	173.7	153.7	19.99	8.687	
4,725.0	4,704.8	4,711.1	4,705.8	13.0	9.4	-141.58	141.6	159.1	175.2	155.1	20.12	8.711	
4,750.0	4,729.7	4,736.0	4,730.7	13.1	9.5	-141.96	141.6	159.1	176.7	156.5	20.24	8.730	
4,775.0	4,754.7	4,761.0	4,755.7	13.2	9.5	-142.32	141.6	159.1	178.1	157.7	20.36	8.746	
4,800.0	4,779.6	4,785.9	4,780.6	13.3	9.5	-142.65	141.6	159.1	179.4	158.9	20.48	8.759	
4,825.0	4,804.6	4,810.9	4,805.6	13.4	9.5	-142.95	141.6	159.1	180.6	160.0	20.60	8.769	
4,850.0	4,829.5	4,835.8	4,830.5	13.4	9.6	-143.23	141.6	159.1	181.8	161.1	20.71	8.775	
4,875.0	4,854.5	4,860.8	4,855.5	13.5	9.6	-143.48	141.6	159.1	182.8	162.0	20.83	8.778	
4,900.0	4,879.5	4,885.8	4,880.5	13.6	9.6	-143.72	141.6	159.1	183.8	162.9	20.94	8.777	
4,925.0	4,904.4	4,910.7	4,905.4	13.7	9.6	-143.92	141.6	159.1	184.7	163.7	21.05	8.775	
4,950.0	4,929.4	4,935.7	4,930.4	13.8	9.7	-144.11	141.6	159.1	185.5	164.4	21.15	8.769	
4,975.0	4,954.4	4,960.7	4,955.4	13.9	9.7	-144.27	141.6	159.1	186.2	165.0	21.26	8.760	
5,000.0	4,979.4	4,985.7	4,980.4	13.9	9.7	-144.42	141.6	159.1	186.9	165.5	21.36	8.747	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,025.0	5,004.4	5,010.7	5,005.4	14.0	9.7	-144.54	141.6	159.1	187.4	165.9	21.46	8.734	
5,050.0	5,029.4	5,035.7	5,030.4	14.1	9.7	-144.64	141.6	159.1	187.9	166.3	21.55	8.718	
5,075.0	5,054.4	5,060.7	5,055.4	14.1	9.8	-144.72	141.6	159.1	188.2	166.6	21.64	8.698	
5,100.0	5,079.4	5,085.7	5,080.4	14.2	9.8	-144.78	141.6	159.1	188.5	166.8	21.73	8.675	
5,125.0	5,104.4	5,110.7	5,105.4	14.2	9.8	-144.82	141.6	159.1	188.7	166.9	21.79	8.661	
5,150.0	5,129.4	5,135.7	5,130.4	14.3	9.8	-144.85	141.6	159.1	188.8	167.0	21.84	8.645	
5,165.6	5,145.0	5,151.3	5,146.0	14.3	9.9	-60.98	141.6	159.1	188.8	166.9	21.87	8.632	
5,175.0	5,154.4	5,160.7	5,155.4	14.3	9.9	-60.98	141.6	159.1	188.8	166.9	21.88	8.628	
5,200.0	5,179.4	5,185.7	5,180.4	14.3	9.9	-60.98	141.6	159.1	188.8	166.9	21.91	8.618	
5,225.0	5,204.4	5,210.7	5,205.4	14.3	9.9	-60.98	141.6	159.1	188.8	166.9	21.95	8.603	
5,250.0	5,229.4	5,235.7	5,230.4	14.3	9.9	-60.98	141.6	159.1	188.8	166.8	21.99	8.588	
5,275.0	5,254.4	5,260.7	5,255.4	14.3	10.0	-60.98	141.6	159.1	188.8	166.8	22.02	8.573	
5,300.0	5,279.4	5,285.7	5,280.4	14.4	10.0	-60.98	141.6	159.1	188.8	166.7	22.06	8.557	
5,325.0	5,304.4	5,310.7	5,305.4	14.4	10.0	-60.98	141.6	159.1	188.8	166.7	22.10	8.542	
5,350.0	5,329.4	5,335.7	5,330.4	14.4	10.0	-60.98	141.6	159.1	188.8	166.7	22.14	8.528	
5,375.0	5,354.4	5,360.7	5,355.4	14.4	10.1	-60.98	141.6	159.1	188.8	166.6	22.18	8.513	
5,400.0	5,379.4	5,385.7	5,380.4	14.4	10.1	-60.98	141.6	159.1	188.8	166.6	22.22	8.498	
5,425.0	5,404.4	5,410.7	5,405.4	14.4	10.1	-60.98	141.6	159.1	188.8	166.6	22.26	8.483	
5,450.0	5,429.4	5,435.7	5,430.4	14.4	10.1	-60.98	141.6	159.1	188.8	166.5	22.30	8.468	
5,475.0	5,454.4	5,460.7	5,455.4	14.5	10.2	-60.98	141.6	159.1	188.8	166.5	22.33	8.454	
5,500.0	5,479.4	5,485.7	5,480.4	14.5	10.2	-60.98	141.6	159.1	188.8	166.4	22.37	8.439	
5,525.0	5,504.4	5,510.7	5,505.4	14.5	10.2	-60.98	141.6	159.1	188.8	166.4	22.41	8.424	
5,550.0	5,529.4	5,535.7	5,530.4	14.5	10.2	-60.98	141.6	159.1	188.8	166.4	22.45	8.410	
5,575.0	5,554.4	5,560.7	5,555.4	14.5	10.2	-60.98	141.6	159.1	188.8	166.3	22.49	8.395	
5,600.0	5,579.4	5,585.7	5,580.4	14.5	10.3	-60.98	141.6	159.1	188.8	166.3	22.53	8.381	
5,625.0	5,604.4	5,610.7	5,605.4	14.5	10.3	-60.98	141.6	159.1	188.8	166.2	22.57	8.366	
5,650.0	5,629.4	5,635.7	5,630.4	14.6	10.3	-60.98	141.6	159.1	188.8	166.2	22.61	8.352	
5,675.0	5,654.4	5,660.7	5,655.4	14.6	10.3	-60.98	141.6	159.1	188.8	166.2	22.64	8.338	
5,700.0	5,679.4	5,685.7	5,680.4	14.6	10.4	-60.98	141.6	159.1	188.8	166.1	22.68	8.324	
5,725.0	5,704.4	5,710.7	5,705.4	14.6	10.4	-60.98	141.6	159.1	188.8	166.1	22.72	8.309	
5,750.0	5,729.4	5,735.7	5,730.4	14.6	10.4	-60.98	141.6	159.1	188.8	166.0	22.76	8.295	
5,775.0	5,754.4	5,760.7	5,755.4	14.6	10.4	-60.98	141.6	159.1	188.8	166.0	22.80	8.281	
5,800.0	5,779.4	5,785.7	5,780.4	14.6	10.5	-60.98	141.6	159.1	188.8	166.0	22.84	8.267	
5,825.0	5,804.4	5,810.7	5,805.4	14.6	10.5	-60.98	141.6	159.1	188.8	165.9	22.88	8.253	
5,850.0	5,829.4	5,835.7	5,830.4	14.7	10.5	-60.98	141.6	159.1	188.8	165.9	22.92	8.239	
5,875.0	5,854.4	5,860.7	5,855.4	14.7	10.5	-60.98	141.6	159.1	188.8	165.9	22.96	8.225	
5,900.0	5,879.4	5,885.7	5,880.4	14.7	10.5	-60.98	141.6	159.1	188.8	165.8	22.99	8.211	
5,925.0	5,904.4	5,910.7	5,905.4	14.7	10.6	-60.98	141.6	159.1	188.8	165.8	23.03	8.197	
5,950.0	5,929.4	5,935.7	5,930.4	14.7	10.6	-60.98	141.6	159.1	188.8	165.7	23.07	8.184	
5,975.0	5,954.4	5,960.7	5,955.4	14.7	10.6	-60.98	141.6	159.1	188.8	165.7	23.11	8.170	
6,000.0	5,979.4	5,985.7	5,980.4	14.7	10.6	-60.98	141.6	159.1	188.8	165.7	23.15	8.156	
6,025.0	6,004.4	6,010.7	6,005.4	14.8	10.7	-60.98	141.6	159.1	188.8	165.6	23.19	8.142	
6,050.0	6,029.4	6,035.7	6,030.4	14.8	10.7	-60.98	141.6	159.1	188.8	165.6	23.23	8.129	
6,075.0	6,054.4	6,060.7	6,055.4	14.8	10.7	-60.98	141.6	159.1	188.8	165.5	23.27	8.115	
6,100.0	6,079.4	6,085.7	6,080.4	14.8	10.7	-60.98	141.6	159.1	188.8	165.5	23.30	8.102	
6,125.0	6,104.4	6,110.7	6,105.4	14.8	10.8	-60.98	141.6	159.1	188.8	165.5	23.34	8.088	
6,150.0	6,129.4	6,135.7	6,130.4	14.8	10.8	-60.98	141.6	159.1	188.8	165.4	23.38	8.075	
6,175.0	6,154.4	6,160.7	6,155.4	14.8	10.8	-60.98	141.6	159.1	188.8	165.4	23.42	8.061	
6,200.0	6,179.4	6,185.7	6,180.4	14.9	10.8	-60.98	141.6	159.1	188.8	165.3	23.46	8.048	
6,225.0	6,204.4	6,210.7	6,205.4	14.9	10.8	-60.98	141.6	159.1	188.8	165.3	23.50	8.035	
6,250.0	6,229.4	6,235.7	6,230.4	14.9	10.9	-60.98	141.6	159.1	188.8	165.3	23.54	8.021	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,260.7	6,255.4	14.9	10.9	-60.98	141.6	159.1	188.8	165.2	23.58	8.008	
6,300.0	6,279.4	6,285.7	6,280.4	14.9	10.9	-60.98	141.6	159.1	188.8	165.2	23.62	7.995	
6,325.0	6,304.4	6,310.7	6,305.4	14.9	10.9	-60.98	141.6	159.1	188.8	165.2	23.65	7.982	
6,350.0	6,329.4	6,335.7	6,330.4	14.9	11.0	-60.98	141.6	159.1	188.8	165.1	23.69	7.969	
6,375.0	6,354.4	6,360.7	6,355.4	15.0	11.0	-60.98	141.6	159.1	188.8	165.1	23.73	7.956	
6,400.0	6,379.4	6,385.7	6,380.4	15.0	11.0	-60.98	141.6	159.1	188.8	165.0	23.77	7.943	
6,425.0	6,404.4	6,410.7	6,405.4	15.0	11.0	-60.98	141.6	159.1	188.8	165.0	23.81	7.930	
6,450.0	6,429.4	6,435.7	6,430.4	15.0	11.1	-60.98	141.6	159.1	188.8	165.0	23.85	7.917	
6,475.0	6,454.4	6,460.7	6,455.4	15.0	11.1	-60.98	141.6	159.1	188.8	164.9	23.89	7.904	
6,500.0	6,479.4	6,485.7	6,480.4	15.0	11.1	-60.98	141.6	159.1	188.8	164.9	23.93	7.891	
6,525.0	6,504.4	6,510.7	6,505.4	15.0	11.1	-60.98	141.6	159.1	188.8	164.8	23.97	7.878	
6,550.0	6,529.4	6,535.7	6,530.4	15.1	11.1	-60.98	141.6	159.1	188.8	164.8	24.01	7.865	
6,575.0	6,554.4	6,560.7	6,555.4	15.1	11.2	-60.98	141.6	159.1	188.8	164.8	24.04	7.853	
6,600.0	6,579.4	6,585.7	6,580.4	15.1	11.2	-60.98	141.6	159.1	188.8	164.7	24.08	7.840	
6,625.0	6,604.4	6,610.7	6,605.4	15.1	11.2	-60.98	141.6	159.1	188.8	164.7	24.12	7.827	
6,650.0	6,629.4	6,635.7	6,630.4	15.1	11.2	-60.98	141.6	159.1	188.8	164.6	24.16	7.815	
6,675.0	6,654.4	6,660.7	6,655.4	15.1	11.3	-60.98	141.6	159.1	188.8	164.6	24.20	7.802	
6,700.0	6,679.4	6,685.7	6,680.4	15.1	11.3	-60.98	141.6	159.1	188.8	164.6	24.24	7.789	
6,725.0	6,704.4	6,710.7	6,705.4	15.2	11.3	-60.98	141.6	159.1	188.8	164.5	24.28	7.777	
6,750.0	6,729.4	6,735.7	6,730.4	15.2	11.3	-60.98	141.6	159.1	188.8	164.5	24.32	7.764	
6,775.0	6,754.4	6,760.7	6,755.4	15.2	11.4	-60.98	141.6	159.1	188.8	164.5	24.36	7.752	
6,800.0	6,779.4	6,785.7	6,780.4	15.2	11.4	-60.98	141.6	159.1	188.8	164.4	24.40	7.740	
6,825.0	6,804.4	6,810.7	6,805.4	15.2	11.4	-60.98	141.6	159.1	188.8	164.4	24.43	7.727	
6,850.0	6,829.4	6,835.7	6,830.4	15.2	11.4	-60.98	141.6	159.1	188.8	164.3	24.47	7.715	
6,875.0	6,854.4	6,860.7	6,855.4	15.2	11.4	-60.98	141.6	159.1	188.8	164.3	24.51	7.703	
6,900.0	6,879.4	6,885.7	6,880.4	15.3	11.5	-60.98	141.6	159.1	188.8	164.3	24.55	7.690	
6,925.0	6,904.4	6,910.7	6,905.4	15.3	11.5	-60.98	141.6	159.1	188.8	164.2	24.59	7.678	
6,950.0	6,929.4	6,935.7	6,930.4	15.3	11.5	-60.98	141.6	159.1	188.8	164.2	24.63	7.666	
6,975.0	6,954.4	6,960.7	6,955.4	15.3	11.5	-60.98	141.6	159.1	188.8	164.1	24.67	7.654	
7,000.0	6,979.4	6,985.7	6,980.4	15.3	11.6	-60.98	141.6	159.1	188.8	164.1	24.71	7.642	
7,025.0	7,004.4	7,010.7	7,005.4	15.3	11.6	-60.98	141.6	159.1	188.8	164.1	24.75	7.630	
7,050.0	7,029.4	7,035.7	7,030.4	15.3	11.6	-60.98	141.6	159.1	188.8	164.0	24.79	7.618	
7,075.0	7,054.4	7,060.7	7,055.4	15.4	11.6	-60.98	141.6	159.1	188.8	164.0	24.82	7.606	
7,100.0	7,079.4	7,085.7	7,080.4	15.4	11.7	-60.98	141.6	159.1	188.8	163.9	24.86	7.594	
7,125.0	7,104.4	7,110.7	7,105.4	15.4	11.7	-60.98	141.6	159.1	188.8	163.9	24.90	7.582	
7,150.0	7,129.4	7,135.7	7,130.4	15.4	11.7	-60.98	141.6	159.1	188.8	163.9	24.94	7.570	
7,175.0	7,154.4	7,160.7	7,155.4	15.4	11.7	-60.98	141.6	159.1	188.8	163.8	24.98	7.558	
7,200.0	7,179.4	7,185.7	7,180.4	15.4	11.7	-60.98	141.6	159.1	188.8	163.8	25.02	7.546	
7,225.0	7,204.4	7,210.7	7,205.4	15.4	11.8	-60.98	141.6	159.1	188.8	163.7	25.06	7.535	
7,250.0	7,229.4	7,235.7	7,230.4	15.5	11.8	-60.98	141.6	159.1	188.8	163.7	25.10	7.523	
7,275.0	7,254.4	7,260.7	7,255.4	15.5	11.8	-60.98	141.6	159.1	188.8	163.7	25.14	7.511	
7,300.0	7,279.4	7,285.7	7,280.4	15.5	11.8	-60.98	141.6	159.1	188.8	163.6	25.18	7.500	
7,325.0	7,304.4	7,310.7	7,305.4	15.5	11.9	-60.98	141.6	159.1	188.8	163.6	25.21	7.488	
7,350.0	7,329.4	7,335.7	7,330.4	15.5	11.9	-60.98	141.6	159.1	188.8	163.6	25.25	7.476	
7,375.0	7,354.4	7,360.7	7,355.4	15.5	11.9	-60.98	141.6	159.1	188.8	163.5	25.29	7.465	
7,400.0	7,379.4	7,385.7	7,380.4	15.6	11.9	-60.98	141.6	159.1	188.8	163.5	25.33	7.453	
7,425.0	7,404.4	7,410.7	7,405.4	15.6	11.9	-60.98	141.6	159.1	188.8	163.4	25.37	7.442	
7,450.0	7,429.4	7,435.7	7,430.4	15.6	12.0	-60.98	141.6	159.1	188.8	163.4	25.41	7.430	
7,475.0	7,454.4	7,460.7	7,455.4	15.6	12.0	-60.98	141.6	159.1	188.8	163.4	25.45	7.419	
7,500.0	7,479.4	7,485.7	7,480.4	15.6	12.0	-60.98	141.6	159.1	188.8	163.3	25.49	7.408	
7,525.0	7,504.4	7,510.7	7,505.4	15.6	12.0	-60.98	141.6	159.1	188.8	163.3	25.53	7.396	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,535.7	7,530.4	15.6	12.1	-60.98	141.6	159.1	188.8	163.2	25.57	7.385	
7,575.0	7,554.4	7,560.7	7,555.4	15.7	12.1	-60.98	141.6	159.1	188.8	163.2	25.61	7.374	
7,600.0	7,579.4	7,585.7	7,580.4	15.7	12.1	-60.98	141.6	159.1	188.8	163.2	25.64	7.362	
7,625.0	7,604.4	7,610.7	7,605.4	15.7	12.1	-60.98	141.6	159.1	188.8	163.1	25.68	7.351	
7,650.0	7,629.4	7,635.7	7,630.4	15.7	12.1	-60.98	141.6	159.1	188.8	163.1	25.72	7.340	
7,675.0	7,654.4	7,660.7	7,655.4	15.7	12.2	-60.98	141.6	159.1	188.8	163.0	25.76	7.329	
7,700.0	7,679.4	7,685.7	7,680.4	15.7	12.2	-60.98	141.6	159.1	188.8	163.0	25.80	7.318	
7,725.0	7,704.4	7,710.7	7,705.4	15.7	12.2	-60.98	141.6	159.1	188.8	163.0	25.84	7.307	
7,750.0	7,729.4	7,735.7	7,730.4	15.8	12.2	-60.98	141.6	159.1	188.8	162.9	25.88	7.296	
7,775.0	7,754.4	7,760.7	7,755.4	15.8	12.3	-60.98	141.6	159.1	188.8	162.9	25.92	7.285	
7,800.0	7,779.4	7,785.7	7,780.4	15.8	12.3	-60.98	141.6	159.1	188.8	162.9	25.96	7.274	
7,825.0	7,804.4	7,810.7	7,805.4	15.8	12.3	-60.98	141.6	159.1	188.8	162.8	26.00	7.263	
7,850.0	7,829.4	7,835.7	7,830.4	15.8	12.3	-60.98	141.6	159.1	188.8	162.8	26.04	7.252	
7,875.0	7,854.4	7,860.7	7,855.4	15.8	12.4	-60.98	141.6	159.1	188.8	162.7	26.08	7.241	
7,900.0	7,879.4	7,885.7	7,880.4	15.8	12.4	-60.98	141.6	159.1	188.8	162.7	26.11	7.230	
7,925.0	7,904.4	7,910.7	7,905.4	15.9	12.4	-60.98	141.6	159.1	188.8	162.7	26.15	7.219	
7,950.0	7,929.4	7,935.7	7,930.4	15.9	12.4	-60.98	141.6	159.1	188.8	162.6	26.19	7.208	
7,975.0	7,954.4	7,960.7	7,955.4	15.9	12.4	-60.98	141.6	159.1	188.8	162.6	26.23	7.198	
8,000.0	7,979.4	7,985.7	7,980.4	15.9	12.5	-60.98	141.6	159.1	188.8	162.5	26.27	7.187	
8,025.0	8,004.4	8,010.7	8,005.4	15.9	12.5	-60.98	141.6	159.1	188.8	162.5	26.31	7.176	
8,050.0	8,029.4	8,035.7	8,030.4	15.9	12.5	-60.98	141.6	159.1	188.8	162.5	26.35	7.166	
8,075.0	8,054.4	8,060.7	8,055.4	16.0	12.5	-60.98	141.6	159.1	188.8	162.4	26.39	7.155	
8,100.0	8,079.4	8,085.7	8,080.4	16.0	12.6	-60.98	141.6	159.1	188.8	162.4	26.43	7.144	
8,125.0	8,104.4	8,110.7	8,105.4	16.0	12.6	-60.98	141.6	159.1	188.8	162.3	26.47	7.134	
8,150.0	8,129.4	8,135.7	8,130.4	16.0	12.6	-60.98	141.6	159.1	188.8	162.3	26.51	7.123	
8,175.0	8,154.4	8,160.7	8,155.4	16.0	12.6	-60.98	141.6	159.1	188.8	162.3	26.55	7.113	
8,200.0	8,179.4	8,185.7	8,180.4	16.0	12.6	-60.98	141.6	159.1	188.8	162.2	26.58	7.102	
8,225.0	8,204.4	8,210.7	8,205.4	16.0	12.7	-60.98	141.6	159.1	188.8	162.2	26.62	7.092	
8,250.0	8,229.4	8,235.7	8,230.4	16.1	12.7	-60.98	141.6	159.1	188.8	162.1	26.66	7.081	
8,275.0	8,254.4	8,260.7	8,255.4	16.1	12.7	-60.98	141.6	159.1	188.8	162.1	26.70	7.071	
8,300.0	8,279.4	8,285.7	8,280.4	16.1	12.7	-60.98	141.6	159.1	188.8	162.1	26.74	7.060	
8,325.0	8,304.4	8,310.7	8,305.4	16.1	12.8	-60.98	141.6	159.1	188.8	162.0	26.78	7.050	
8,350.0	8,329.4	8,335.7	8,330.4	16.1	12.8	-60.98	141.6	159.1	188.8	162.0	26.82	7.040	
8,375.0	8,354.4	8,360.7	8,355.4	16.1	12.8	-60.98	141.6	159.1	188.8	161.9	26.86	7.030	
8,400.0	8,379.4	8,385.7	8,380.4	16.2	12.8	-60.98	141.6	159.1	188.8	161.9	26.90	7.019	
8,425.0	8,404.4	8,410.7	8,405.4	16.2	12.8	-60.98	141.6	159.1	188.8	161.9	26.94	7.009	
8,450.0	8,429.4	8,435.7	8,430.4	16.2	12.9	-60.98	141.6	159.1	188.8	161.8	26.98	6.999	
8,475.0	8,454.4	8,460.7	8,455.4	16.2	12.9	-60.98	141.6	159.1	188.8	161.8	27.02	6.989	
8,500.0	8,479.4	8,485.7	8,480.4	16.2	12.9	-60.98	141.6	159.1	188.8	161.8	27.06	6.979	
8,525.0	8,504.4	8,510.7	8,505.4	16.2	12.9	-60.98	141.6	159.1	188.8	161.7	27.09	6.969	
8,550.0	8,529.4	8,535.7	8,530.4	16.2	13.0	-60.98	141.6	159.1	188.8	161.7	27.13	6.958	
8,575.0	8,554.4	8,560.7	8,555.4	16.3	13.0	-60.98	141.6	159.1	188.8	161.6	27.17	6.948	
8,600.0	8,579.4	8,585.7	8,580.4	16.3	13.0	-60.98	141.6	159.1	188.8	161.6	27.21	6.938	
8,625.0	8,604.4	8,610.7	8,605.4	16.3	13.0	-60.98	141.6	159.1	188.8	161.6	27.25	6.928	
8,650.0	8,629.4	8,635.7	8,630.4	16.3	13.0	-60.98	141.6	159.1	188.8	161.5	27.29	6.918	
8,675.0	8,654.4	8,660.7	8,655.4	16.3	13.1	-60.98	141.6	159.1	188.8	161.5	27.33	6.908	
8,700.0	8,679.4	8,685.7	8,680.4	16.3	13.1	-60.98	141.6	159.1	188.8	161.4	27.37	6.899	
8,725.0	8,704.4	8,710.7	8,705.4	16.4	13.1	-60.98	141.6	159.1	188.8	161.4	27.41	6.889	
8,750.0	8,729.4	8,735.7	8,730.4	16.4	13.1	-60.98	141.6	159.1	188.8	161.4	27.45	6.879	
8,775.0	8,754.4	8,760.7	8,755.4	16.4	13.2	-60.98	141.6	159.1	188.8	161.3	27.49	6.869	
8,800.0	8,779.4	8,785.7	8,780.4	16.4	13.2	-60.98	141.6	159.1	188.8	161.3	27.53	6.859	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,810.7	8,805.4	16.4	13.2	-60.98	141.6	159.1	188.8	161.2	27.57	6.849	
8,850.0	8,829.4	8,835.7	8,830.4	16.4	13.2	-60.98	141.6	159.1	188.8	161.2	27.60	6.840	
8,875.0	8,854.4	8,860.7	8,855.4	16.4	13.2	-60.98	141.6	159.1	188.8	161.2	27.64	6.830	
8,900.0	8,879.4	8,885.7	8,880.4	16.5	13.3	-60.98	141.6	159.1	188.8	161.1	27.68	6.820	
8,925.0	8,904.4	8,910.7	8,905.4	16.5	13.3	-60.98	141.6	159.1	188.8	161.1	27.72	6.811	
8,950.0	8,929.4	8,935.7	8,930.4	16.5	13.3	-60.98	141.6	159.1	188.8	161.0	27.76	6.801	
8,975.0	8,954.4	8,960.7	8,955.4	16.5	13.3	-60.98	141.6	159.1	188.8	161.0	27.80	6.791	
9,000.0	8,979.4	8,985.7	8,980.4	16.5	13.4	-60.98	141.6	159.1	188.8	161.0	27.84	6.782	
9,025.0	9,004.4	9,010.7	9,005.4	16.5	13.4	-60.98	141.6	159.1	188.8	160.9	27.88	6.772	
9,050.0	9,029.4	9,035.7	9,030.4	16.6	13.4	-60.98	141.6	159.1	188.8	160.9	27.92	6.763	
9,075.0	9,054.4	9,060.7	9,055.4	16.6	13.4	-60.98	141.6	159.1	188.8	160.8	27.96	6.753	
9,100.0	9,079.4	9,085.7	9,080.4	16.6	13.4	-60.98	141.6	159.1	188.8	160.8	28.00	6.744	
9,125.0	9,104.4	9,110.7	9,105.4	16.6	13.5	-60.98	141.6	159.1	188.8	160.8	28.04	6.734	
9,150.0	9,129.4	9,135.7	9,130.4	16.6	13.5	-60.98	141.6	159.1	188.8	160.7	28.08	6.725	
9,175.0	9,154.4	9,160.7	9,155.4	16.6	13.5	-60.98	141.6	159.1	188.8	160.7	28.12	6.715	
9,200.0	9,179.4	9,185.7	9,180.4	16.6	13.5	-60.98	141.6	159.1	188.8	160.7	28.15	6.706	
9,225.0	9,204.4	9,210.7	9,205.4	16.7	13.6	-60.98	141.6	159.1	188.8	160.6	28.19	6.697	
9,250.0	9,229.4	9,235.7	9,230.4	16.7	13.6	-60.98	141.6	159.1	188.8	160.6	28.23	6.689	
9,275.0	9,254.4	9,260.7	9,255.4	16.7	13.6	-60.98	141.6	159.1	188.8	160.5	28.26	6.680	
9,300.0	9,279.4	9,285.7	9,280.4	16.7	13.6	-60.98	141.6	159.1	188.8	160.5	28.30	6.672	
9,302.5	9,281.9	9,288.2	9,282.9	16.7	13.6	-60.98	141.6	159.1	188.8	160.5	28.30	6.671	
9,325.0	9,304.4	9,309.3	9,303.9	16.7	13.6	-60.96	141.7	159.1	188.8	160.5	28.33	6.667 SF	
9,350.0	9,329.4	9,330.2	9,324.9	16.7	13.6	-60.76	142.4	159.1	189.3	161.0	28.33	6.682	
9,375.0	9,354.4	9,350.0	9,344.6	16.8	13.6	-60.34	144.0	159.1	190.3	162.0	28.33	6.717	
9,400.0	9,379.4	9,371.7	9,366.1	16.8	13.7	-59.65	146.7	159.1	191.9	163.5	28.33	6.774	
9,425.0	9,404.4	9,392.0	9,386.2	16.8	13.7	-58.78	150.1	159.1	194.0	165.7	28.32	6.851	
9,450.0	9,429.4	9,412.1	9,405.8	16.8	13.7	-57.73	154.3	159.1	196.8	168.5	28.32	6.951	
9,475.0	9,454.4	9,431.8	9,424.9	16.8	13.7	-56.53	159.2	159.1	200.3	172.0	28.32	7.072	
9,500.0	9,479.4	9,450.0	9,442.3	16.8	13.7	-55.29	164.4	159.1	204.5	176.1	28.35	7.212	
9,525.0	9,504.4	9,469.7	9,461.0	16.8	13.7	-53.81	170.8	159.1	209.4	181.0	28.37	7.380	
9,550.0	9,529.4	9,487.9	9,478.0	16.9	13.7	-52.35	177.4	159.1	215.1	186.6	28.42	7.566	
9,575.0	9,554.4	9,505.6	9,494.2	16.9	13.7	-50.86	184.4	159.1	221.6	193.1	28.50	7.773	
9,600.0	9,579.4	9,525.0	9,511.6	16.9	13.7	-49.15	192.8	159.0	228.9	200.3	28.56	8.015	
9,625.0	9,604.4	9,539.2	9,524.2	16.9	13.8	-47.87	199.4	159.0	237.0	208.3	28.74	8.246	
9,650.0	9,629.4	9,555.1	9,538.1	16.9	13.8	-46.42	207.2	159.0	246.0	217.1	28.90	8.510	
9,675.0	9,654.4	9,570.4	9,551.1	16.9	13.8	-45.01	215.1	159.0	255.8	226.7	29.09	8.792	
9,700.0	9,679.4	9,585.1	9,563.5	17.0	13.8	-43.65	223.2	159.0	266.4	237.0	29.30	9.090	
9,725.0	9,704.4	9,600.0	9,575.7	17.0	13.8	-42.28	231.7	159.0	277.7	248.2	29.51	9.410	
9,750.0	9,729.4	9,612.8	9,586.0	17.0	13.8	-41.11	239.3	159.0	289.8	260.0	29.78	9.732	
9,775.0	9,754.4	9,625.0	9,595.6	17.0	13.8	-40.01	246.8	159.0	302.6	272.6	30.05	10.069	
9,800.0	9,779.4	9,638.2	9,605.8	17.0	13.8	-38.84	255.2	159.0	316.1	285.8	30.30	10.431	
9,825.0	9,804.4	9,650.0	9,614.6	17.0	13.8	-37.80	263.0	159.0	330.2	299.6	30.58	10.799	
9,850.0	9,829.4	9,661.5	9,623.2	17.1	13.8	-36.81	270.8	158.9	344.9	314.1	30.85	11.181	
9,875.0	9,854.4	9,675.0	9,632.8	17.1	13.9	-35.68	280.1	158.9	360.3	329.2	31.07	11.596	
9,900.0	9,879.4	9,682.9	9,638.4	17.1	13.9	-35.03	285.7	158.9	376.1	344.7	31.40	11.975	
9,925.0	9,904.4	9,692.9	9,645.3	17.1	13.9	-34.23	293.0	158.9	392.4	360.7	31.68	12.387	
9,950.0	9,929.4	9,700.0	9,650.1	17.1	13.9	-33.66	298.2	158.9	409.2	377.2	32.00	12.788	
9,975.0	9,954.4	9,711.6	9,657.8	17.1	13.9	-32.76	306.9	158.9	426.4	394.2	32.21	13.239	
10,000.0	9,979.4	9,725.0	9,666.4	17.1	13.9	-31.75	317.1	158.9	444.1	411.7	32.38	13.716	
10,025.0	10,004.4	9,725.0	9,666.4	17.2	13.9	-31.75	317.1	158.9	462.1	429.3	32.79	14.092	
10,050.0	10,029.4	9,736.8	9,673.8	17.2	13.9	-30.88	326.4	158.9	480.5	447.5	32.97	14.573	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,075.0	10,054.4	9,750.0	9,681.7	17.2	13.9	-29.95	336.9	158.9	499.3	466.1	33.11	15.076	
10,100.0	10,079.4	9,750.0	9,681.7	17.2	13.9	-29.95	336.9	158.9	518.2	484.7	33.48	15.480	
10,125.0	10,104.4	9,759.0	9,687.0	17.2	13.9	-29.33	344.3	158.9	537.5	503.9	33.67	15.964	
10,150.0	10,129.4	9,765.9	9,690.9	17.2	13.9	-28.87	349.8	158.9	557.1	523.2	33.89	16.438	
10,175.0	10,154.4	9,775.0	9,696.0	17.3	13.9	-28.27	357.5	158.8	577.0	542.9	34.07	16.935	
10,200.0	10,179.4	9,775.0	9,696.0	17.3	13.9	-28.27	357.5	158.8	597.1	562.7	34.37	17.373	
10,225.0	10,204.4	9,784.7	9,701.2	17.3	13.9	-27.65	365.6	158.8	617.4	582.8	34.52	17.883	
10,250.0	10,229.4	9,790.5	9,704.2	17.3	13.9	-27.29	370.5	158.8	637.9	603.2	34.72	18.372	
10,275.0	10,254.4	9,800.0	9,709.1	17.3	13.9	-26.71	378.7	158.8	658.6	623.8	34.87	18.890	
10,300.0	10,279.4	9,800.0	9,709.1	17.3	13.9	-26.71	378.7	158.8	679.5	644.4	35.12	19.348	
10,307.2	10,286.6	9,800.0	9,709.1	17.4	13.9	-26.71	378.7	158.8	685.6	650.4	35.19	19.481	
10,325.0	10,304.4	9,800.0	9,709.1	17.4	13.9	-25.20	378.7	158.8	700.5	665.2	35.28	19.853	
10,350.0	10,329.3	9,812.2	9,715.1	17.4	14.0	-22.86	389.3	158.8	720.9	685.5	35.39	20.371	
10,375.0	10,354.1	9,825.0	9,721.1	17.4	14.0	-20.89	400.6	158.8	740.9	705.4	35.49	20.875	
10,400.0	10,378.8	9,825.0	9,721.1	17.4	14.0	-19.63	400.6	158.8	760.2	724.5	35.74	21.271	
10,425.0	10,403.2	9,825.0	9,721.1	17.4	14.0	-18.50	400.6	158.8	779.0	743.1	35.98	21.652	
10,450.0	10,427.2	9,836.5	9,726.3	17.4	14.0	-17.24	411.0	158.8	797.2	761.1	36.11	22.077	
10,475.0	10,450.9	9,850.0	9,732.0	17.4	14.0	-16.12	423.2	158.8	814.9	778.6	36.22	22.495	
10,500.0	10,474.2	9,850.0	9,732.0	17.4	14.0	-15.38	423.2	158.8	831.7	795.2	36.47	22.808	
10,525.0	10,496.9	9,850.0	9,732.0	17.4	14.0	-14.70	423.2	158.8	848.0	811.3	36.70	23.107	
10,550.0	10,519.0	9,863.7	9,737.4	17.4	14.0	-13.93	435.7	158.8	863.5	826.7	36.82	23.455	
10,575.0	10,540.5	9,875.0	9,741.6	17.4	14.0	-13.28	446.2	158.7	878.4	841.4	36.95	23.770	
10,600.0	10,561.3	9,875.0	9,741.6	17.4	14.0	-12.81	446.2	158.7	892.5	855.3	37.18	24.006	
10,625.0	10,581.4	9,885.4	9,745.3	17.4	14.0	-12.31	456.0	158.7	905.8	868.5	37.32	24.273	
10,650.0	10,600.7	9,900.0	9,750.1	17.4	14.0	-11.83	469.7	158.7	918.5	881.1	37.43	24.540	
10,675.0	10,619.0	9,900.0	9,750.1	17.4	14.0	-11.51	469.7	158.7	930.3	892.6	37.64	24.716	
10,700.0	10,636.5	9,900.0	9,750.1	17.4	14.0	-11.21	469.7	158.7	941.4	903.6	37.84	24.879	
10,725.0	10,653.0	9,915.8	9,754.7	17.4	14.0	-10.87	484.8	158.7	951.5	913.6	37.94	25.083	
10,750.0	10,668.6	9,925.0	9,757.3	17.4	14.0	-10.60	493.7	158.7	961.0	922.9	38.07	25.243	
10,775.0	10,683.0	9,925.0	9,757.3	17.5	14.0	-10.40	493.7	158.7	969.6	931.4	38.25	25.350	
10,800.0	10,696.4	9,939.2	9,760.8	17.5	14.0	-10.17	507.5	158.7	977.3	939.0	38.35	25.486	
10,825.0	10,708.7	9,950.0	9,763.2	17.5	14.0	-9.99	518.0	158.7	984.3	945.8	38.46	25.592	
10,850.0	10,719.8	9,950.0	9,763.2	17.5	14.0	-9.86	518.0	158.7	990.4	951.8	38.62	25.645	
10,875.0	10,729.7	9,963.1	9,765.8	17.5	14.0	-9.72	530.9	158.6	995.6	956.8	38.71	25.719	
10,900.0	10,738.4	9,975.0	9,767.8	17.6	14.1	-9.61	542.5	158.6	999.9	961.1	38.80	25.770	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1.0	1.0	0.0	0.0	83.94	21.2	199.8	200.9				
25.0	25.0	26.0	26.0	0.5	0.1	83.94	21.2	199.8	200.9				
50.0	50.0	51.0	51.0	0.5	0.3	83.94	21.2	199.8	200.9	199.6	1.28	157.279	
75.0	75.0	76.0	76.0	0.5	0.4	83.94	21.2	199.8	200.9	199.5	1.37	146.400	
100.0	100.0	101.0	101.0	0.5	0.5	83.94	21.2	199.8	200.9	199.4	1.49	134.861	
125.0	125.0	126.0	126.0	0.6	0.6	83.94	21.2	199.8	200.9	199.2	1.74	115.762	
150.0	150.0	151.0	151.0	0.8	0.8	83.94	21.2	199.8	200.9	198.9	1.98	101.401	
175.0	175.0	176.0	176.0	0.9	0.9	83.94	21.2	199.8	200.9	198.7	2.23	90.210	
200.0	200.0	201.0	201.0	1.0	1.0	83.94	21.2	199.8	200.9	198.5	2.47	81.300	
225.0	225.0	226.0	226.0	1.1	1.1	83.94	21.2	199.8	200.9	198.3	2.63	76.371	
250.0	250.0	251.0	251.0	1.2	1.2	83.94	21.2	199.8	200.9	198.1	2.79	72.004	
275.0	275.0	276.0	276.0	1.3	1.3	83.94	21.2	199.8	200.9	198.0	2.95	68.110	
300.0	300.0	301.0	301.0	1.4	1.4	83.94	21.2	199.8	200.9	197.8	3.11	64.629	
325.0	325.0	326.0	326.0	1.4	1.4	83.94	21.2	199.8	200.9	197.7	3.24	62.078	
350.0	350.0	351.0	351.0	1.5	1.5	83.94	21.2	199.8	200.9	197.6	3.36	59.720	
375.0	375.0	376.0	376.0	1.6	1.6	83.94	21.2	199.8	200.9	197.4	3.49	57.535	
400.0	400.0	401.0	401.0	1.6	1.6	83.94	21.2	199.8	200.9	197.3	3.62	55.510	
425.0	425.0	426.0	426.0	1.7	1.7	83.94	21.2	199.8	200.9	197.2	3.73	53.876	
450.0	450.0	451.0	451.0	1.8	1.8	83.94	21.2	199.8	200.9	197.1	3.84	52.336	
475.0	475.0	476.0	476.0	1.8	1.8	83.94	21.2	199.8	200.9	197.0	3.95	50.882	
500.0	500.0	501.0	501.0	1.9	1.9	83.94	21.2	199.8	200.9	196.9	4.06	49.509	
525.0	525.0	526.0	526.0	1.9	1.9	83.94	21.2	199.8	200.9	196.8	4.16	48.345	
550.0	550.0	551.0	551.0	2.0	2.0	83.94	21.2	199.8	200.9	196.7	4.25	47.234	
575.0	575.0	576.0	576.0	2.1	2.1	83.94	21.2	199.8	200.9	196.6	4.35	46.174	
600.0	600.0	601.0	601.0	2.1	2.1	83.94	21.2	199.8	200.9	196.5	4.45	45.161	
625.0	625.0	626.0	626.0	2.2	2.2	83.94	21.2	199.8	200.9	196.4	4.54	44.276	
650.0	650.0	651.0	651.0	2.2	2.2	83.94	21.2	199.8	200.9	196.3	4.63	43.425	
675.0	675.0	676.0	676.0	2.3	2.3	83.94	21.2	199.8	200.9	196.2	4.72	42.606	
700.0	700.0	701.0	701.0	2.3	2.3	83.94	21.2	199.8	200.9	196.1	4.80	41.819	
725.0	725.0	726.0	726.0	2.4	2.4	83.94	21.2	199.8	200.9	196.0	4.89	41.115	
750.0	750.0	751.0	751.0	2.4	2.4	83.94	21.2	199.8	200.9	196.0	4.97	40.435	
775.0	775.0	776.0	776.0	2.5	2.5	83.94	21.2	199.8	200.9	195.9	5.05	39.777	
800.0	800.0	801.0	801.0	2.5	2.5	83.94	21.2	199.8	200.9	195.8	5.13	39.141	
825.0	825.0	826.0	826.0	2.6	2.6	83.94	21.2	199.8	200.9	195.7	5.21	38.564	
850.0	850.0	851.0	851.0	2.6	2.6	83.94	21.2	199.8	200.9	195.6	5.29	38.004	
875.0	875.0	876.0	876.0	2.6	2.6	83.94	21.2	199.8	200.9	195.6	5.36	37.460	
900.0	900.0	901.0	901.0	2.7	2.7	83.94	21.2	199.8	200.9	195.5	5.44	36.932	
925.0	925.0	926.0	926.0	2.7	2.7	83.94	21.2	199.8	200.9	195.4	5.51	36.448	
950.0	950.0	951.0	951.0	2.8	2.8	83.94	21.2	199.8	200.9	195.3	5.58	35.976	
975.0	975.0	976.0	976.0	2.8	2.8	83.94	21.2	199.8	200.9	195.3	5.66	35.516	
1,000.0	1,000.0	1,001.0	1,001.0	2.9	2.9	83.94	21.2	199.8	200.9	195.2	5.73	35.068	
1,025.0	1,025.0	1,026.0	1,026.0	2.9	2.9	83.94	21.2	199.8	200.9	195.1	5.80	34.653	
1,050.0	1,050.0	1,051.0	1,051.0	3.0	3.0	83.94	21.2	199.8	200.9	195.1	5.87	34.248	
1,075.0	1,075.0	1,076.0	1,076.0	3.0	3.0	83.94	21.2	199.8	200.9	195.0	5.94	33.853	
1,100.0	1,100.0	1,101.0	1,101.0	3.0	3.0	83.94	21.2	199.8	200.9	194.9	6.00	33.466	
1,125.0	1,125.0	1,126.0	1,126.0	3.1	3.1	83.94	21.2	199.8	200.9	194.9	6.07	33.106	
1,150.0	1,150.0	1,151.0	1,151.0	3.1	3.1	83.94	21.2	199.8	200.9	194.8	6.13	32.753	
1,175.0	1,175.0	1,176.0	1,176.0	3.2	3.2	83.94	21.2	199.8	200.9	194.7	6.20	32.408	
1,200.0	1,200.0	1,201.0	1,201.0	3.2	3.2	83.94	21.2	199.8	200.9	194.7	6.26	32.071	
1,225.0	1,225.0	1,226.0	1,226.0	3.2	3.2	83.94	21.2	199.8	200.9	194.6	6.33	31.754	
1,250.0	1,250.0	1,251.0	1,251.0	3.3	3.3	83.94	21.2	199.8	200.9	194.5	6.39	31.443	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,276.0	1,276.0	3.3	3.3	83.94	21.2	199.8	200.9	194.5	6.45	31.138	
1,300.0	1,300.0	1,301.0	1,301.0	3.4	3.4	83.94	21.2	199.8	200.9	194.4	6.52	30.839	
1,325.0	1,325.0	1,326.0	1,326.0	3.4	3.4	83.94	21.2	199.8	200.9	194.3	6.58	30.558	
1,350.0	1,350.0	1,351.0	1,351.0	3.4	3.4	83.94	21.2	199.8	200.9	194.3	6.64	30.281	
1,375.0	1,375.0	1,376.0	1,376.0	3.5	3.5	83.94	21.2	199.8	200.9	194.2	6.70	30.009	
1,400.0	1,400.0	1,401.0	1,401.0	3.5	3.5	83.94	21.2	199.8	200.9	194.2	6.76	29.743	
1,425.0	1,425.0	1,426.0	1,426.0	3.6	3.6	83.94	21.2	199.8	200.9	194.1	6.81	29.490	
1,450.0	1,450.0	1,451.0	1,451.0	3.6	3.6	83.94	21.2	199.8	200.9	194.1	6.87	29.242	
1,475.0	1,475.0	1,476.0	1,476.0	3.6	3.6	83.94	21.2	199.8	200.9	194.0	6.93	28.998	
1,500.0	1,500.0	1,501.0	1,501.0	3.7	3.7	83.94	21.2	199.8	200.9	193.9	6.99	28.758	
1,525.0	1,525.0	1,526.0	1,526.0	3.7	3.7	83.94	21.2	199.8	200.9	193.9	7.04	28.529	
1,550.0	1,550.0	1,551.0	1,551.0	3.8	3.8	83.94	21.2	199.8	200.9	193.8	7.10	28.305	
1,575.0	1,575.0	1,576.0	1,576.0	3.8	3.8	83.94	21.2	199.8	200.9	193.8	7.15	28.083	
1,600.0	1,600.0	1,601.0	1,601.0	3.8	3.8	83.94	21.2	199.8	200.9	193.7	7.21	27.866	
1,625.0	1,625.0	1,626.0	1,626.0	3.9	3.9	83.94	21.2	199.8	200.9	193.7	7.26	27.658	
1,650.0	1,650.0	1,651.0	1,651.0	3.9	3.9	83.94	21.2	199.8	200.9	193.6	7.32	27.454	
1,675.0	1,675.0	1,676.0	1,676.0	3.9	3.9	83.94	21.2	199.8	200.9	193.5	7.37	27.252	
1,700.0	1,700.0	1,701.0	1,701.0	4.0	4.0	83.94	21.2	199.8	200.9	193.5	7.43	27.054	
1,725.0	1,725.0	1,726.0	1,726.0	4.0	4.0	83.94	21.2	199.8	200.9	193.4	7.48	26.864	
1,750.0	1,750.0	1,751.0	1,751.0	4.1	4.1	83.94	21.2	199.8	200.9	193.4	7.53	26.677	
1,775.0	1,775.0	1,776.0	1,776.0	4.1	4.1	83.94	21.2	199.8	200.9	193.3	7.58	26.492	
1,800.0	1,800.0	1,801.0	1,801.0	4.1	4.1	83.94	21.2	199.8	200.9	193.3	7.64	26.310	
1,825.0	1,825.0	1,826.0	1,826.0	4.2	4.2	83.94	21.2	199.8	200.9	193.2	7.69	26.135	
1,850.0	1,850.0	1,851.0	1,851.0	4.2	4.2	83.94	21.2	199.8	200.9	193.2	7.74	25.963	
1,875.0	1,875.0	1,876.0	1,876.0	4.2	4.2	83.94	21.2	199.8	200.9	193.1	7.79	25.793	
1,900.0	1,900.0	1,901.0	1,901.0	4.3	4.3	83.94	21.2	199.8	200.9	193.1	7.84	25.625	
1,925.0	1,925.0	1,926.0	1,926.0	4.3	4.3	83.94	21.2	199.8	200.9	193.0	7.89	25.464	
1,950.0	1,950.0	1,951.0	1,951.0	4.3	4.3	83.94	21.2	199.8	200.9	193.0	7.94	25.305	
1,975.0	1,975.0	1,976.0	1,976.0	4.4	4.4	83.94	21.2	199.8	200.9	192.9	7.99	25.147	
2,000.0	2,000.0	2,001.1	2,001.1	4.4	4.4	83.94	21.2	199.8	200.9	192.9	8.04	24.988	
2,025.0	2,025.0	2,027.9	2,027.9	4.4	4.4	28.94	21.2	199.7	200.8	192.6	8.12	24.719	
2,050.0	2,050.0	2,054.6	2,054.6	4.5	4.5	28.93	21.3	199.3	200.3	192.1	8.20	24.419	
2,075.0	2,075.0	2,081.4	2,081.4	4.5	4.5	28.92	21.4	198.7	199.5	191.2	8.28	24.090	
2,100.0	2,100.0	2,108.1	2,108.1	4.5	4.5	28.90	21.6	197.8	198.3	190.0	8.37	23.708	
2,125.0	2,125.0	2,134.8	2,134.8	4.6	4.6	28.88	21.9	196.7	196.9	188.4	8.50	23.180	
2,150.0	2,150.0	2,161.5	2,161.4	4.6	4.6	28.85	22.2	195.4	195.2	186.5	8.62	22.631	
2,175.0	2,175.0	2,188.1	2,188.0	4.6	4.7	28.82	22.5	193.8	193.1	184.3	8.75	22.064	
2,200.0	2,200.0	2,214.7	2,214.5	4.7	4.7	28.78	22.9	191.9	190.7	181.8	8.88	21.475	
2,225.0	2,224.9	2,241.2	2,240.9	4.7	4.8	28.73	23.3	189.9	188.0	179.0	9.01	20.860	
2,250.0	2,249.9	2,267.7	2,267.3	4.8	4.8	28.68	23.8	187.6	185.0	175.9	9.15	20.230	
2,275.0	2,274.9	2,294.1	2,293.5	4.8	4.9	28.62	24.4	185.1	181.7	172.4	9.28	19.585	
2,300.0	2,299.9	2,320.4	2,319.7	4.9	4.9	28.55	25.0	182.3	178.1	168.6	9.41	18.918	
2,325.0	2,324.8	2,346.6	2,345.7	4.9	5.0	28.47	25.6	179.3	174.1	164.6	9.55	18.233	
2,350.0	2,349.8	2,372.7	2,371.6	4.9	5.1	28.38	26.3	176.1	169.9	160.2	9.69	17.539	
2,375.0	2,374.7	2,398.7	2,397.4	5.0	5.1	28.28	27.0	172.7	165.3	155.5	9.82	16.832	
2,400.0	2,399.7	2,424.6	2,423.1	5.0	5.2	28.16	27.8	169.1	160.5	150.5	9.96	16.109	
2,425.0	2,424.6	2,450.4	2,448.6	5.1	5.3	28.03	28.7	165.3	155.3	145.2	10.10	15.371	
2,450.0	2,449.5	2,476.1	2,473.9	5.1	5.4	27.88	29.5	161.2	149.9	139.6	10.25	14.626	
2,475.0	2,474.5	2,501.7	2,499.1	5.2	5.5	27.70	30.4	157.0	144.1	133.7	10.39	13.874	
2,500.0	2,499.4	2,527.1	2,524.1	5.2	5.5	27.51	31.4	152.5	138.1	127.5	10.51	13.139	
2,525.0	2,524.3	2,552.4	2,549.0	5.3	5.6	22.30	32.4	147.9	131.7	121.0	10.63	12.381	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,549.2	2,577.4	2,573.5	5.4	5.7	17.43	33.4	143.1	124.9	114.2	10.76	11.611	
2,575.0	2,574.0	2,601.4	2,597.0	5.4	5.7	12.89	34.4	138.4	117.9	107.1	10.87	10.848	
2,600.0	2,598.9	2,625.3	2,620.4	5.5	5.8	8.62	35.4	133.8	110.8	99.8	11.01	10.061	
2,625.0	2,623.7	2,649.1	2,643.8	5.5	5.9	4.56	36.4	129.1	103.5	92.3	11.16	9.271	
2,650.0	2,648.6	2,672.9	2,667.1	5.6	5.9	0.60	37.4	124.5	96.1	84.7	11.31	8.491	
2,675.0	2,673.4	2,696.7	2,690.4	5.7	6.0	-3.33	38.4	119.9	88.5	77.0	11.46	7.721	
2,700.0	2,698.2	2,720.4	2,713.6	5.7	6.1	-7.36	39.4	115.3	80.8	69.2	11.61	6.964	
2,717.4	2,715.4	2,736.8	2,729.7	5.7	6.1	-10.31	40.1	112.0	75.5	63.8	11.69	6.454	
2,725.0	2,722.9	2,744.0	2,736.7	5.7	6.2	-11.01	40.4	110.7	73.1	61.4	11.73	6.232	
2,750.0	2,747.7	2,767.6	2,759.9	5.8	6.2	-13.68	41.4	106.1	65.5	53.6	11.87	5.518	
2,775.0	2,772.4	2,791.2	2,783.0	5.9	6.3	-17.04	42.4	101.5	58.0	46.0	11.99	4.837	
2,800.0	2,797.2	2,814.8	2,806.1	5.9	6.4	-21.34	43.4	96.9	50.8	38.7	12.10	4.194	
2,825.0	2,822.0	2,838.4	2,829.2	6.0	6.5	-26.98	44.4	92.3	43.9	31.7	12.20	3.597	
2,850.0	2,846.7	2,862.0	2,852.4	6.0	6.6	-34.52	45.4	87.7	37.6	25.3	12.26	3.064	
2,875.0	2,871.5	2,885.6	2,875.5	6.1	6.7	-44.65	46.4	83.1	32.1	19.9	12.27	2.619	Normal Operations
2,900.0	2,896.2	2,909.2	2,898.6	6.2	6.7	-57.98	47.4	78.5	28.1	15.9	12.22	2.299	Caution - Monitor Closely
2,925.0	2,921.0	2,932.8	2,921.8	6.3	6.8	-74.13	48.4	73.9	26.1	13.9	12.19	2.143	Caution - Monitor Closely
2,932.2	2,928.1	2,939.6	2,928.4	6.3	6.8	-79.06	48.7	72.5	26.0	13.8	12.20	2.132	Caution - Monitor Closely, CC, ES, SF
2,950.0	2,945.7	2,956.4	2,944.9	6.3	6.9	-91.09	49.4	69.3	26.7	14.4	12.29	2.170	Caution - Monitor Closely
2,975.0	2,970.5	2,980.0	2,968.0	6.4	7.0	-106.19	50.4	64.7	29.6	17.1	12.54	2.360	Caution - Monitor Closely
3,000.0	2,995.2	3,003.6	2,991.1	6.5	7.1	-118.13	51.3	60.1	34.3	21.5	12.84	2.671	Normal Operations
3,025.0	3,020.0	3,027.2	3,014.3	6.6	7.2	-127.07	52.3	55.5	40.2	27.0	13.14	3.057	
3,050.0	3,044.8	3,050.8	3,037.4	6.6	7.3	-133.72	53.3	50.9	46.8	33.3	13.41	3.487	
3,075.0	3,069.5	3,074.4	3,060.5	6.7	7.3	-138.73	54.3	46.3	53.8	40.2	13.65	3.942	
3,100.0	3,094.3	3,098.0	3,083.7	6.8	7.4	-142.60	55.3	41.7	61.1	47.3	13.87	4.408	
3,125.0	3,119.0	3,121.6	3,106.8	6.9	7.5	-145.63	56.3	37.1	68.7	54.6	14.08	4.878	
3,150.0	3,143.8	3,145.2	3,129.9	7.0	7.6	-148.08	57.3	32.5	76.4	62.1	14.29	5.347	
3,175.0	3,168.5	3,168.8	3,153.0	7.1	7.7	-150.07	58.3	27.9	84.2	69.7	14.49	5.812	
3,200.0	3,193.3	3,192.4	3,176.2	7.1	7.8	-151.74	59.3	23.3	92.1	77.4	14.68	6.273	
3,225.0	3,218.1	3,216.0	3,199.3	7.2	7.9	-153.14	60.3	18.7	100.0	85.1	14.87	6.726	
3,250.0	3,242.8	3,239.6	3,222.4	7.3	8.0	-154.33	61.3	14.1	108.0	92.9	15.06	7.171	
3,275.0	3,267.6	3,263.2	3,245.5	7.4	8.1	-155.36	62.3	9.5	116.0	100.8	15.25	7.609	
3,300.0	3,292.3	3,286.8	3,268.7	7.5	8.2	-156.26	63.3	4.9	124.1	108.6	15.43	8.039	
3,325.0	3,317.1	3,310.4	3,291.8	7.6	8.3	-157.05	64.2	0.3	132.1	116.5	15.62	8.459	
3,350.0	3,341.8	3,334.0	3,314.9	7.7	8.4	-157.75	65.2	-4.3	140.2	124.4	15.81	8.871	
3,375.0	3,366.6	3,357.6	3,338.1	7.8	8.4	-158.38	66.2	-8.9	148.3	132.3	15.99	9.275	
3,400.0	3,391.4	3,381.2	3,361.2	7.9	8.5	-158.93	67.2	-13.5	156.5	140.3	16.18	9.671	
3,425.0	3,416.1	3,404.8	3,384.3	8.0	8.6	-159.44	68.2	-18.1	164.6	148.2	16.37	10.057	
3,450.0	3,440.9	3,428.4	3,407.4	8.0	8.7	-159.89	69.2	-22.7	172.7	156.2	16.55	10.436	
3,475.0	3,465.6	3,452.0	3,430.6	8.1	8.8	-160.31	70.2	-27.3	180.9	164.2	16.74	10.806	
3,500.0	3,490.4	3,475.6	3,453.7	8.2	8.9	-160.69	71.2	-31.9	189.1	172.1	16.93	11.169	
3,525.0	3,515.1	3,499.2	3,476.8	8.3	9.0	-161.04	72.2	-36.5	197.2	180.1	17.11	11.524	
3,550.0	3,539.9	3,522.8	3,499.9	8.4	9.1	-161.36	73.2	-41.1	205.4	188.1	17.30	11.871	
3,575.0	3,564.7	3,546.4	3,523.1	8.5	9.2	-161.65	74.2	-45.7	213.6	196.1	17.49	12.211	
3,600.0	3,589.4	3,570.0	3,546.2	8.6	9.3	-161.93	75.2	-50.3	221.8	204.1	17.68	12.544	
3,625.0	3,614.2	3,593.6	3,569.3	8.7	9.4	-162.18	76.2	-54.9	230.0	212.1	17.87	12.869	
3,650.0	3,638.9	3,617.2	3,592.5	8.8	9.5	-162.42	77.2	-59.5	238.2	220.1	18.06	13.188	
3,675.0	3,663.7	3,640.8	3,615.6	8.9	9.6	-162.64	78.1	-64.1	246.4	228.1	18.25	13.500	
3,700.0	3,688.4	3,664.4	3,638.7	9.0	9.7	-162.85	79.1	-68.7	254.6	236.1	18.44	13.805	
3,725.0	3,713.2	3,688.0	3,661.8	9.1	9.8	-163.04	80.1	-73.3	262.8	244.1	18.63	14.104	
3,750.0	3,737.9	3,711.6	3,685.0	9.2	9.9	-163.23	81.1	-77.9	271.0	252.2	18.82	14.397	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,735.2	3,708.1	9.3	10.0	-163.40	82.1	-82.5	279.2	260.2	19.01	14.683	
3,800.0	3,787.5	3,758.8	3,731.2	9.4	10.1	-163.56	83.1	-87.1	287.4	268.2	19.21	14.964	
3,825.0	3,812.2	3,782.4	3,754.3	9.5	10.2	-163.71	84.1	-91.7	295.6	276.2	19.40	15.239	
3,850.0	3,837.0	3,806.0	3,777.5	9.6	10.3	-163.86	85.1	-96.3	303.8	284.2	19.59	15.509	
3,875.0	3,861.7	3,829.6	3,800.6	9.7	10.4	-163.99	86.1	-100.9	312.0	292.3	19.78	15.772	
3,900.0	3,886.5	3,853.2	3,823.7	9.8	10.5	-164.12	87.1	-105.5	320.3	300.3	19.98	16.031	
3,925.0	3,911.2	3,876.8	3,846.9	9.9	10.6	-164.25	88.1	-110.1	328.5	308.3	20.17	16.284	
3,950.0	3,936.0	3,900.4	3,870.0	10.0	10.7	-164.37	89.1	-114.7	336.7	316.3	20.36	16.533	
3,975.0	3,960.8	3,924.0	3,893.1	10.1	10.8	-164.48	90.1	-119.3	344.9	324.4	20.56	16.776	
4,000.0	3,985.5	3,947.6	3,916.2	10.2	10.9	-164.58	91.0	-123.9	353.1	332.4	20.75	17.015	
4,025.0	4,010.3	3,971.2	3,939.4	10.3	11.0	-164.69	92.0	-128.5	361.4	340.4	20.95	17.249	
4,050.0	4,035.0	3,994.8	3,962.5	10.4	11.1	-164.78	93.0	-133.1	369.6	348.4	21.14	17.479	
4,075.0	4,059.8	4,018.4	3,985.6	10.5	11.2	-164.88	94.0	-137.7	377.8	356.5	21.34	17.704	
4,100.0	4,084.5	4,042.0	4,008.7	10.6	11.3	-164.97	95.0	-142.3	386.0	364.5	21.54	17.925	
4,125.0	4,109.3	4,065.7	4,031.9	10.7	11.4	-165.05	96.0	-146.9	394.3	372.5	21.73	18.141	
4,150.0	4,134.1	4,089.3	4,055.0	10.8	11.5	-165.13	97.0	-151.5	402.5	380.6	21.93	18.354	
4,175.0	4,158.8	4,112.9	4,078.1	10.9	11.6	-165.21	98.0	-156.1	410.7	388.6	22.13	18.563	
4,200.0	4,183.6	4,136.5	4,101.3	11.0	11.7	-165.29	99.0	-160.7	418.9	396.6	22.32	18.767	
4,225.0	4,208.3	4,160.1	4,124.4	11.1	11.8	-165.36	100.0	-165.3	427.2	404.7	22.52	18.968	
4,250.0	4,233.1	4,183.7	4,147.5	11.2	11.9	-165.43	101.0	-169.9	435.4	412.7	22.72	19.166	
4,275.0	4,257.8	4,207.3	4,170.6	11.3	12.0	-165.50	102.0	-174.5	443.6	420.7	22.92	19.359	
4,300.0	4,282.6	4,230.9	4,193.8	11.4	12.1	-165.56	103.0	-179.1	451.9	428.8	23.11	19.550	
4,325.0	4,307.4	4,254.5	4,216.9	11.5	12.2	-165.63	103.9	-183.7	460.1	436.8	23.31	19.741	
4,350.0	4,332.1	4,278.1	4,240.0	11.6	12.4	-165.69	104.9	-188.3	468.3	444.8	23.50	19.930	
4,365.6	4,347.6	4,292.8	4,254.5	11.6	12.4	-165.72	105.6	-191.2	473.5	449.9	23.62	20.046	
4,375.0	4,356.9	4,301.7	4,263.2	11.7	12.5	-165.75	105.9	-192.9	476.6	452.9	23.69	20.116	
4,400.0	4,381.6	4,325.3	4,286.3	11.7	12.6	-165.83	106.9	-197.5	484.7	460.8	23.88	20.298	
4,425.0	4,406.4	4,349.0	4,309.5	11.8	12.7	-165.90	107.9	-202.1	492.7	468.7	24.08	20.465	
4,450.0	4,431.2	4,372.7	4,332.7	11.9	12.8	-165.96	108.9	-206.7	500.7	476.4	24.28	20.625	
4,475.0	4,456.0	4,396.4	4,356.0	12.0	12.9	-166.02	109.9	-211.4	508.5	484.1	24.47	20.779	
4,500.0	4,480.9	4,420.2	4,379.3	12.1	13.0	-166.07	110.9	-216.0	516.3	491.6	24.67	20.926	
4,525.0	4,505.7	4,444.0	4,402.6	12.2	13.1	-166.12	111.9	-220.6	523.9	499.1	24.87	21.067	
4,550.0	4,530.5	4,467.8	4,426.0	12.3	13.2	-166.17	112.9	-225.3	531.5	506.4	25.07	21.203	
4,575.0	4,555.4	4,491.7	4,449.3	12.4	13.3	-166.21	113.9	-229.9	538.9	513.7	25.26	21.332	
4,600.0	4,580.3	4,515.6	4,472.8	12.5	13.4	-166.25	114.9	-234.6	546.3	520.8	25.46	21.455	
4,625.0	4,605.2	4,539.5	4,496.2	12.6	13.5	-166.28	115.9	-239.3	553.5	527.8	25.66	21.574	
4,650.0	4,630.1	4,563.4	4,519.7	12.7	13.6	-166.31	116.9	-243.9	560.6	534.8	25.85	21.687	
4,675.0	4,655.0	4,587.4	4,543.2	12.8	13.7	-166.34	117.9	-248.6	567.7	541.6	26.05	21.794	
4,700.0	4,679.9	4,611.5	4,566.7	12.9	13.8	-166.37	119.0	-253.3	574.6	548.4	26.24	21.895	
4,725.0	4,704.8	4,635.5	4,590.3	13.0	13.9	-166.39	120.0	-258.0	581.4	555.0	26.44	21.994	
4,750.0	4,729.7	4,659.6	4,613.9	13.1	14.0	-166.41	121.0	-262.7	588.2	561.6	26.63	22.087	
4,775.0	4,754.7	4,683.7	4,637.5	13.2	14.2	-166.42	122.0	-267.4	594.8	568.0	26.82	22.175	
4,800.0	4,779.6	4,707.8	4,661.2	13.3	14.3	-166.43	123.0	-272.1	601.3	574.3	27.02	22.258	
4,825.0	4,804.6	4,732.0	4,684.8	13.4	14.4	-166.44	124.0	-276.8	607.8	580.6	27.21	22.338	
4,850.0	4,829.5	4,756.2	4,708.5	13.4	14.5	-166.45	125.0	-281.5	614.1	586.7	27.40	22.414	
4,875.0	4,854.5	4,780.4	4,732.3	13.5	14.6	-166.46	126.1	-286.2	620.3	592.7	27.59	22.485	
4,900.0	4,879.5	4,804.6	4,756.0	13.6	14.7	-166.46	127.1	-290.9	626.4	598.6	27.78	22.551	
4,925.0	4,904.4	4,828.9	4,779.8	13.7	14.8	-166.46	128.1	-295.6	632.4	604.5	27.96	22.616	
4,950.0	4,929.4	4,853.2	4,803.6	13.8	14.9	-166.46	129.1	-300.4	638.3	610.2	28.15	22.677	
4,975.0	4,954.4	4,877.5	4,827.4	13.9	15.0	-166.45	130.1	-305.1	644.2	615.8	28.34	22.733	
5,000.0	4,979.4	4,901.8	4,851.3	13.9	15.1	-166.44	131.2	-309.9	649.9	621.3	28.52	22.785	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	5,004.4	4,926.2	4,875.1	14.0	15.2	-166.43	132.2	-314.6	655.5	626.8	28.70	22.838	
5,050.0	5,029.4	4,950.6	4,899.0	14.1	15.4	-166.42	133.2	-319.4	661.0	632.1	28.88	22.888	
5,075.0	5,054.4	4,975.0	4,923.0	14.1	15.5	-166.41	134.2	-324.1	666.4	637.3	29.06	22.933	
5,100.0	5,079.4	4,999.4	4,946.9	14.2	15.6	-166.39	135.3	-328.9	671.7	642.4	29.24	22.974	
5,125.0	5,104.4	5,023.9	4,970.9	14.2	15.7	-166.38	136.3	-333.6	676.8	647.5	29.38	23.034	
5,150.0	5,129.4	5,048.3	4,994.8	14.3	15.8	-166.36	137.3	-338.4	681.9	652.4	29.53	23.091	
5,165.6	5,145.0	5,063.7	5,009.9	14.3	15.9	-82.47	138.0	-341.4	685.1	655.4	29.63	23.124	
5,175.0	5,154.4	5,072.8	5,018.8	14.3	15.9	-82.46	138.4	-343.2	686.9	657.2	29.67	23.150	
5,200.0	5,179.4	5,097.3	5,042.9	14.3	16.0	-82.43	139.4	-348.0	691.9	662.1	29.80	23.220	
5,225.0	5,204.4	5,121.8	5,066.9	14.3	16.1	-82.39	140.4	-352.7	696.9	666.9	29.93	23.282	
5,250.0	5,229.4	5,146.3	5,090.9	14.3	16.2	-82.36	141.4	-357.5	701.8	671.8	30.07	23.343	
5,275.0	5,254.4	5,170.8	5,114.9	14.3	16.4	-82.33	142.5	-362.3	706.8	676.6	30.20	23.403	
5,300.0	5,279.4	5,195.3	5,138.9	14.4	16.5	-82.30	143.5	-367.1	711.8	681.4	30.34	23.463	
5,325.0	5,304.4	5,219.8	5,162.9	14.4	16.6	-82.27	144.5	-371.8	716.7	686.3	30.47	23.522	
5,350.0	5,329.4	5,244.3	5,186.9	14.4	16.7	-82.24	145.6	-376.6	721.7	691.1	30.61	23.580	
5,375.0	5,354.4	5,268.8	5,210.9	14.4	16.8	-82.20	146.6	-381.4	726.7	695.9	30.74	23.637	
5,400.0	5,379.4	5,293.3	5,234.9	14.4	16.9	-82.18	147.6	-386.2	731.6	700.8	30.88	23.693	
5,425.0	5,404.4	5,317.8	5,258.9	14.4	17.0	-82.15	148.7	-390.9	736.6	705.6	31.02	23.749	
5,450.0	5,429.4	5,342.3	5,282.9	14.4	17.1	-82.12	149.7	-395.7	741.6	710.4	31.15	23.804	
5,475.0	5,454.4	5,366.8	5,306.9	14.5	17.2	-82.09	150.7	-400.5	746.5	715.3	31.29	23.858	
5,500.0	5,479.4	5,391.3	5,330.9	14.5	17.4	-82.06	151.7	-405.3	751.5	720.1	31.43	23.912	
5,525.0	5,504.4	5,415.8	5,354.9	14.5	17.5	-82.03	152.8	-410.0	756.5	724.9	31.57	23.965	
5,550.0	5,529.4	5,440.3	5,378.9	14.5	17.6	-82.00	153.8	-414.8	761.5	729.8	31.70	24.017	
5,575.0	5,554.4	5,464.8	5,402.9	14.5	17.7	-81.98	154.8	-419.6	766.4	734.6	31.84	24.069	
5,600.0	5,579.4	5,489.3	5,427.0	14.5	17.8	-81.95	155.9	-424.3	771.4	739.4	31.98	24.120	
5,625.0	5,604.4	5,517.8	5,454.9	14.5	18.0	-81.92	157.1	-429.9	776.3	744.2	32.18	24.123	
5,650.0	5,629.4	5,548.6	5,485.1	14.6	18.1	-81.89	158.3	-435.6	781.1	748.7	32.42	24.089	
5,675.0	5,654.4	5,579.5	5,515.5	14.6	18.3	-81.86	159.5	-441.1	785.6	753.0	32.67	24.051	
5,700.0	5,679.4	5,610.5	5,546.1	14.6	18.5	-81.83	160.6	-446.4	790.0	757.1	32.91	24.008	
5,725.0	5,704.4	5,641.6	5,576.7	14.6	18.6	-81.80	161.7	-451.4	794.1	761.1	33.07	24.014	
5,750.0	5,729.4	5,672.8	5,607.5	14.6	18.8	-81.78	162.7	-456.3	798.1	764.8	33.25	24.001	
5,775.0	5,754.4	5,704.0	5,638.4	14.6	18.9	-81.76	163.7	-460.9	801.8	768.4	33.43	23.983	
5,800.0	5,779.4	5,735.3	5,669.4	14.6	19.0	-81.73	164.7	-465.2	805.4	771.8	33.61	23.965	
5,825.0	5,804.4	5,766.7	5,700.5	14.6	19.2	-81.71	165.6	-469.3	808.7	774.9	33.78	23.941	
5,850.0	5,829.4	5,798.2	5,731.7	14.7	19.3	-81.69	166.4	-473.2	811.9	777.9	33.95	23.913	
5,875.0	5,854.4	5,829.7	5,763.0	14.7	19.4	-81.68	167.2	-476.8	814.8	780.7	34.11	23.884	
5,900.0	5,879.4	5,861.3	5,794.4	14.7	19.6	-81.66	167.9	-480.2	817.5	783.3	34.28	23.851	
5,925.0	5,904.4	5,892.9	5,825.9	14.7	19.7	-81.65	168.6	-483.3	820.1	785.6	34.44	23.814	
5,950.0	5,929.4	5,924.6	5,857.4	14.7	19.8	-81.63	169.2	-486.2	822.4	787.8	34.59	23.777	
5,975.0	5,954.4	5,956.4	5,889.0	14.7	19.9	-81.62	169.8	-488.8	824.5	789.8	34.74	23.736	
6,000.0	5,979.4	5,988.1	5,920.7	14.7	20.1	-81.61	170.3	-491.2	826.4	791.5	34.88	23.691	
6,025.0	6,004.4	6,020.0	5,952.5	14.8	20.2	-81.60	170.7	-493.3	828.1	793.1	35.02	23.646	
6,050.0	6,029.4	6,051.8	5,984.3	14.8	20.3	-81.59	171.1	-495.2	829.6	794.4	35.15	23.600	
6,075.0	6,054.4	6,083.7	6,016.1	14.8	20.4	-81.58	171.5	-496.8	830.9	795.6	35.28	23.549	
6,100.0	6,079.4	6,115.6	6,048.0	14.8	20.5	-81.58	171.8	-498.2	832.0	796.6	35.40	23.500	
6,125.0	6,104.4	6,147.5	6,079.9	14.8	20.6	-81.57	172.0	-499.2	832.8	797.3	35.51	23.452	
6,150.0	6,129.4	6,179.5	6,111.8	14.8	20.7	-81.57	172.2	-500.1	833.5	797.9	35.62	23.399	
6,175.0	6,154.4	6,211.4	6,143.8	14.8	20.8	-81.56	172.3	-500.6	833.9	798.2	35.70	23.357	
6,200.0	6,179.4	6,243.4	6,175.7	14.9	20.8	-81.56	172.4	-500.9	834.2	798.4	35.75	23.336	
6,225.0	6,204.4	6,273.0	6,205.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.5	35.78	23.317	
6,250.0	6,229.4	6,298.0	6,230.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.4	35.79	23.307	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,323.0	6,255.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.4	35.82	23.293	
6,300.0	6,279.4	6,348.0	6,280.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.4	35.84	23.278	
6,325.0	6,304.4	6,373.0	6,305.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.4	35.86	23.263	
6,350.0	6,329.4	6,398.0	6,330.4	14.9	20.9	-81.56	172.4	-501.0	834.2	798.3	35.88	23.249	
6,375.0	6,354.4	6,423.0	6,355.4	15.0	20.9	-81.56	172.4	-501.0	834.2	798.3	35.91	23.234	
6,400.0	6,379.4	6,448.0	6,380.4	15.0	20.9	-81.56	172.4	-501.0	834.2	798.3	35.93	23.219	
6,425.0	6,404.4	6,473.0	6,405.4	15.0	20.9	-81.56	172.4	-501.0	834.2	798.3	35.95	23.205	
6,450.0	6,429.4	6,498.0	6,430.4	15.0	20.9	-81.56	172.4	-501.0	834.2	798.3	35.97	23.190	
6,475.0	6,454.4	6,523.0	6,455.4	15.0	21.0	-81.56	172.4	-501.0	834.2	798.2	36.00	23.175	
6,500.0	6,479.4	6,548.0	6,480.4	15.0	21.0	-81.56	172.4	-501.0	834.2	798.2	36.02	23.161	
6,525.0	6,504.4	6,573.0	6,505.4	15.0	21.0	-81.56	172.4	-501.0	834.2	798.2	36.04	23.146	
6,550.0	6,529.4	6,598.0	6,530.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.2	36.06	23.132	
6,575.0	6,554.4	6,623.0	6,555.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.1	36.09	23.117	
6,600.0	6,579.4	6,648.0	6,580.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.1	36.11	23.102	
6,625.0	6,604.4	6,673.0	6,605.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.1	36.13	23.088	
6,650.0	6,629.4	6,698.0	6,630.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.1	36.16	23.073	
6,675.0	6,654.4	6,723.0	6,655.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.0	36.18	23.058	
6,700.0	6,679.4	6,748.0	6,680.4	15.1	21.0	-81.56	172.4	-501.0	834.2	798.0	36.20	23.044	
6,725.0	6,704.4	6,773.0	6,705.4	15.2	21.1	-81.56	172.4	-501.0	834.2	798.0	36.23	23.029	
6,750.0	6,729.4	6,798.0	6,730.4	15.2	21.1	-81.56	172.4	-501.0	834.2	798.0	36.25	23.014	
6,775.0	6,754.4	6,823.0	6,755.4	15.2	21.1	-81.56	172.4	-501.0	834.2	798.0	36.27	23.000	
6,800.0	6,779.4	6,848.0	6,780.4	15.2	21.1	-81.56	172.4	-501.0	834.2	797.9	36.29	22.985	
6,825.0	6,804.4	6,873.0	6,805.4	15.2	21.1	-81.56	172.4	-501.0	834.2	797.9	36.32	22.970	
6,850.0	6,829.4	6,898.0	6,830.4	15.2	21.1	-81.56	172.4	-501.0	834.2	797.9	36.34	22.956	
6,875.0	6,854.4	6,923.0	6,855.4	15.2	21.1	-81.56	172.4	-501.0	834.2	797.9	36.36	22.941	
6,900.0	6,879.4	6,948.0	6,880.4	15.3	21.1	-81.56	172.4	-501.0	834.2	797.8	36.39	22.927	
6,925.0	6,904.4	6,973.0	6,905.4	15.3	21.1	-81.56	172.4	-501.0	834.2	797.8	36.41	22.912	
6,950.0	6,929.4	6,998.0	6,930.4	15.3	21.1	-81.56	172.4	-501.0	834.2	797.8	36.43	22.897	
6,975.0	6,954.4	7,023.0	6,955.4	15.3	21.2	-81.56	172.4	-501.0	834.2	797.8	36.46	22.883	
7,000.0	6,979.4	7,048.0	6,980.4	15.3	21.2	-81.56	172.4	-501.0	834.2	797.7	36.48	22.868	
7,025.0	7,004.4	7,073.0	7,005.4	15.3	21.2	-81.56	172.4	-501.0	834.2	797.7	36.50	22.853	
7,050.0	7,029.4	7,098.0	7,030.4	15.3	21.2	-81.56	172.4	-501.0	834.2	797.7	36.53	22.839	
7,075.0	7,054.4	7,123.0	7,055.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.7	36.55	22.824	
7,100.0	7,079.4	7,148.0	7,080.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.7	36.57	22.809	
7,125.0	7,104.4	7,173.0	7,105.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.6	36.60	22.795	
7,150.0	7,129.4	7,198.0	7,130.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.6	36.62	22.780	
7,175.0	7,154.4	7,223.0	7,155.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.6	36.64	22.765	
7,200.0	7,179.4	7,248.0	7,180.4	15.4	21.2	-81.56	172.4	-501.0	834.2	797.6	36.67	22.751	
7,225.0	7,204.4	7,273.0	7,205.4	15.4	21.3	-81.56	172.4	-501.0	834.2	797.5	36.69	22.736	
7,250.0	7,229.4	7,298.0	7,230.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.5	36.72	22.721	
7,275.0	7,254.4	7,323.0	7,255.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.5	36.74	22.707	
7,300.0	7,279.4	7,348.0	7,280.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.5	36.76	22.692	
7,325.0	7,304.4	7,373.0	7,305.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.4	36.79	22.677	
7,350.0	7,329.4	7,398.0	7,330.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.4	36.81	22.663	
7,375.0	7,354.4	7,423.0	7,355.4	15.5	21.3	-81.56	172.4	-501.0	834.2	797.4	36.83	22.648	
7,400.0	7,379.4	7,448.0	7,380.4	15.6	21.3	-81.56	172.4	-501.0	834.2	797.4	36.86	22.634	
7,425.0	7,404.4	7,473.0	7,405.4	15.6	21.3	-81.56	172.4	-501.0	834.2	797.3	36.88	22.619	
7,450.0	7,429.4	7,498.0	7,430.4	15.6	21.3	-81.56	172.4	-501.0	834.2	797.3	36.91	22.604	
7,475.0	7,454.4	7,523.0	7,455.4	15.6	21.4	-81.56	172.4	-501.0	834.2	797.3	36.93	22.590	
7,500.0	7,479.4	7,548.0	7,480.4	15.6	21.4	-81.56	172.4	-501.0	834.2	797.3	36.95	22.575	
7,525.0	7,504.4	7,573.0	7,505.4	15.6	21.4	-81.56	172.4	-501.0	834.2	797.3	36.98	22.560	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,598.0	7,530.4	15.6	21.4	-81.56	172.4	-501.0	834.2	797.2	37.00	22.546	
7,575.0	7,554.4	7,623.0	7,555.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.2	37.03	22.531	
7,600.0	7,579.4	7,648.0	7,580.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.2	37.05	22.516	
7,625.0	7,604.4	7,673.0	7,605.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.2	37.07	22.502	
7,650.0	7,629.4	7,698.0	7,630.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.1	37.10	22.487	
7,675.0	7,654.4	7,723.0	7,655.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.1	37.12	22.473	
7,700.0	7,679.4	7,748.0	7,680.4	15.7	21.4	-81.56	172.4	-501.0	834.2	797.1	37.15	22.458	
7,725.0	7,704.4	7,773.0	7,705.4	15.7	21.5	-81.56	172.4	-501.0	834.2	797.1	37.17	22.443	
7,750.0	7,729.4	7,798.0	7,730.4	15.8	21.5	-81.56	172.4	-501.0	834.2	797.0	37.19	22.429	
7,775.0	7,754.4	7,823.0	7,755.4	15.8	21.5	-81.56	172.4	-501.0	834.2	797.0	37.22	22.414	
7,800.0	7,779.4	7,848.0	7,780.4	15.8	21.5	-81.56	172.4	-501.0	834.2	797.0	37.24	22.400	
7,825.0	7,804.4	7,873.0	7,805.4	15.8	21.5	-81.56	172.4	-501.0	834.2	797.0	37.27	22.385	
7,850.0	7,829.4	7,898.0	7,830.4	15.8	21.5	-81.56	172.4	-501.0	834.2	796.9	37.29	22.370	
7,875.0	7,854.4	7,923.0	7,855.4	15.8	21.5	-81.56	172.4	-501.0	834.2	796.9	37.32	22.356	
7,900.0	7,879.4	7,948.0	7,880.4	15.8	21.5	-81.56	172.4	-501.0	834.2	796.9	37.34	22.341	
7,925.0	7,904.4	7,973.0	7,905.4	15.9	21.5	-81.56	172.4	-501.0	834.2	796.9	37.36	22.326	
7,950.0	7,929.4	7,998.0	7,930.4	15.9	21.6	-81.56	172.4	-501.0	834.2	796.8	37.39	22.312	
7,975.0	7,954.4	8,023.0	7,955.4	15.9	21.6	-81.56	172.4	-501.0	834.2	796.8	37.41	22.297	
8,000.0	7,979.4	8,048.0	7,980.4	15.9	21.6	-81.56	172.4	-501.0	834.2	796.8	37.44	22.283	
8,025.0	8,004.4	8,073.0	8,005.4	15.9	21.6	-81.56	172.4	-501.0	834.2	796.8	37.46	22.268	
8,050.0	8,029.4	8,098.0	8,030.4	15.9	21.6	-81.56	172.4	-501.0	834.2	796.7	37.49	22.254	
8,075.0	8,054.4	8,123.0	8,055.4	16.0	21.6	-81.56	172.4	-501.0	834.2	796.7	37.51	22.239	
8,100.0	8,079.4	8,148.0	8,080.4	16.0	21.6	-81.56	172.4	-501.0	834.2	796.7	37.54	22.224	
8,125.0	8,104.4	8,173.0	8,105.4	16.0	21.6	-81.56	172.4	-501.0	834.2	796.7	37.56	22.210	
8,150.0	8,129.4	8,198.0	8,130.4	16.0	21.6	-81.56	172.4	-501.0	834.2	796.6	37.59	22.195	
8,175.0	8,154.4	8,223.0	8,155.4	16.0	21.6	-81.56	172.4	-501.0	834.2	796.6	37.61	22.181	
8,200.0	8,179.4	8,248.0	8,180.4	16.0	21.7	-81.56	172.4	-501.0	834.2	796.6	37.64	22.166	
8,225.0	8,204.4	8,273.0	8,205.4	16.0	21.7	-81.56	172.4	-501.0	834.2	796.6	37.66	22.151	
8,250.0	8,229.4	8,298.0	8,230.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.5	37.68	22.137	
8,275.0	8,254.4	8,323.0	8,255.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.5	37.71	22.122	
8,300.0	8,279.4	8,348.0	8,280.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.5	37.73	22.108	
8,325.0	8,304.4	8,373.0	8,305.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.5	37.76	22.093	
8,350.0	8,329.4	8,398.0	8,330.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.4	37.78	22.079	
8,375.0	8,354.4	8,423.0	8,355.4	16.1	21.7	-81.56	172.4	-501.0	834.2	796.4	37.81	22.064	
8,400.0	8,379.4	8,448.0	8,380.4	16.2	21.7	-81.56	172.4	-501.0	834.2	796.4	37.83	22.050	
8,425.0	8,404.4	8,473.0	8,405.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.4	37.86	22.035	
8,450.0	8,429.4	8,498.0	8,430.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.3	37.88	22.021	
8,475.0	8,454.4	8,523.0	8,455.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.3	37.91	22.006	
8,500.0	8,479.4	8,548.0	8,480.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.3	37.93	21.991	
8,525.0	8,504.4	8,573.0	8,505.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.3	37.96	21.977	
8,550.0	8,529.4	8,598.0	8,530.4	16.2	21.8	-81.56	172.4	-501.0	834.2	796.2	37.98	21.962	
8,575.0	8,554.4	8,623.0	8,555.4	16.3	21.8	-81.56	172.4	-501.0	834.2	796.2	38.01	21.948	
8,600.0	8,579.4	8,648.0	8,580.4	16.3	21.8	-81.56	172.4	-501.0	834.2	796.2	38.03	21.933	
8,625.0	8,604.4	8,673.0	8,605.4	16.3	21.8	-81.56	172.4	-501.0	834.2	796.2	38.06	21.919	
8,650.0	8,629.4	8,698.0	8,630.4	16.3	21.8	-81.56	172.4	-501.0	834.2	796.1	38.09	21.904	
8,675.0	8,654.4	8,723.0	8,655.4	16.3	21.9	-81.56	172.4	-501.0	834.2	796.1	38.11	21.890	
8,700.0	8,679.4	8,748.0	8,680.4	16.3	21.9	-81.56	172.4	-501.0	834.2	796.1	38.14	21.875	
8,725.0	8,704.4	8,773.0	8,705.4	16.4	21.9	-81.56	172.4	-501.0	834.2	796.1	38.16	21.861	
8,750.0	8,729.4	8,798.0	8,730.4	16.4	21.9	-81.56	172.4	-501.0	834.2	796.0	38.19	21.846	
8,775.0	8,754.4	8,823.0	8,755.4	16.4	21.9	-81.56	172.4	-501.0	834.2	796.0	38.21	21.832	
8,800.0	8,779.4	8,848.0	8,780.4	16.4	21.9	-81.56	172.4	-501.0	834.2	796.0	38.24	21.817	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,873.0	8,805.4	16.4	21.9	-81.56	172.4	-501.0	834.2	796.0	38.26	21.803	
8,850.0	8,829.4	8,898.0	8,830.4	16.4	21.9	-81.56	172.4	-501.0	834.2	795.9	38.29	21.788	
8,875.0	8,854.4	8,923.0	8,855.4	16.4	21.9	-81.56	172.4	-501.0	834.2	795.9	38.31	21.774	
8,900.0	8,879.4	8,948.0	8,880.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.9	38.34	21.760	
8,925.0	8,904.4	8,973.0	8,905.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.9	38.36	21.745	
8,950.0	8,929.4	8,998.0	8,930.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.8	38.39	21.731	
8,975.0	8,954.4	9,023.0	8,955.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.8	38.42	21.716	
9,000.0	8,979.4	9,048.0	8,980.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.8	38.44	21.702	
9,025.0	9,004.4	9,073.0	9,005.4	16.5	22.0	-81.56	172.4	-501.0	834.2	795.8	38.47	21.687	
9,050.0	9,029.4	9,098.0	9,030.4	16.6	22.0	-81.56	172.4	-501.0	834.2	795.7	38.49	21.673	
9,075.0	9,054.4	9,123.0	9,055.4	16.6	22.0	-81.56	172.4	-501.0	834.2	795.7	38.51	21.662	
9,100.0	9,079.4	9,148.0	9,080.4	16.6	22.0	-81.56	172.4	-501.0	834.2	795.7	38.53	21.651	
9,102.5	9,081.9	9,150.5	9,082.9	16.6	22.0	-81.56	172.4	-501.0	834.2	795.7	38.53	21.650	
9,125.0	9,104.4	9,170.6	9,102.9	16.6	22.0	-81.56	172.5	-501.0	834.2	795.7	38.56	21.637	
9,150.0	9,129.4	9,190.4	9,122.7	16.6	22.0	-81.50	173.3	-501.0	834.4	795.8	38.59	21.624	
9,175.0	9,154.4	9,210.2	9,142.4	16.6	22.0	-81.39	174.9	-501.0	834.7	796.1	38.62	21.615	
9,200.0	9,179.4	9,229.7	9,161.8	16.6	22.0	-81.23	177.3	-501.0	835.2	796.5	38.65	21.611	
9,225.0	9,204.4	9,250.0	9,181.8	16.7	22.0	-81.00	180.6	-501.0	835.8	797.1	38.67	21.613	
9,250.0	9,229.4	9,268.1	9,199.6	16.7	22.1	-80.76	184.3	-501.0	836.6	797.9	38.70	21.617	
9,275.0	9,254.4	9,286.8	9,217.7	16.7	22.1	-80.45	188.8	-501.0	837.7	798.9	38.73	21.628	
9,300.0	9,279.4	9,305.1	9,235.3	16.7	22.1	-80.11	193.9	-501.0	838.9	800.1	38.76	21.644	
9,325.0	9,304.4	9,325.0	9,254.1	16.7	22.1	-79.68	200.2	-501.0	840.4	801.6	38.78	21.670	
9,350.0	9,329.4	9,340.5	9,268.6	16.7	22.1	-79.32	205.7	-501.0	842.1	803.2	38.81	21.696	
9,375.0	9,354.4	9,357.4	9,284.3	16.8	22.1	-78.88	212.2	-501.0	844.0	805.2	38.84	21.733	
9,400.0	9,379.4	9,375.0	9,300.3	16.8	22.1	-78.40	219.5	-501.1	846.3	807.4	38.86	21.779	
9,425.0	9,404.4	9,389.8	9,313.5	16.8	22.1	-77.96	226.1	-501.1	848.8	809.9	38.88	21.830	
9,450.0	9,429.4	9,405.2	9,327.0	16.8	22.1	-77.47	233.4	-501.1	851.7	812.8	38.90	21.892	
9,475.0	9,454.4	9,420.0	9,339.9	16.8	22.1	-76.98	240.8	-501.1	854.9	816.0	38.92	21.963	
9,500.0	9,479.4	9,434.3	9,352.0	16.8	22.1	-76.48	248.4	-501.1	858.5	819.5	38.94	22.044	
9,525.0	9,504.4	9,450.0	9,365.0	16.8	22.1	-75.91	257.1	-501.1	862.4	823.4	38.95	22.138	
9,550.0	9,529.4	9,461.4	9,374.3	16.9	22.1	-75.48	263.7	-501.1	866.7	827.7	38.98	22.236	
9,575.0	9,554.4	9,475.0	9,385.2	16.9	22.1	-74.95	271.8	-501.1	871.4	832.4	38.99	22.351	
9,600.0	9,579.4	9,486.3	9,394.1	16.9	22.1	-74.50	278.9	-501.1	876.5	837.5	39.00	22.473	
9,625.0	9,604.4	9,500.0	9,404.6	16.9	22.1	-73.94	287.6	-501.1	882.0	843.0	39.01	22.611	
9,650.0	9,629.4	9,509.4	9,411.7	16.9	22.1	-73.54	293.8	-501.1	888.0	848.9	39.02	22.755	
9,675.0	9,654.4	9,525.0	9,423.1	16.9	22.1	-72.87	304.4	-501.2	894.3	855.3	39.02	22.922	
9,700.0	9,679.4	9,530.6	9,427.2	17.0	22.1	-72.62	308.3	-501.2	901.1	862.1	39.04	23.083	
9,725.0	9,704.4	9,540.5	9,434.2	17.0	22.1	-72.18	315.3	-501.2	908.4	869.3	39.05	23.264	
9,750.0	9,729.4	9,550.0	9,440.8	17.0	22.1	-71.75	322.1	-501.2	916.1	877.0	39.05	23.457	
9,775.0	9,754.4	9,559.3	9,447.1	17.0	22.1	-71.33	328.9	-501.2	924.2	885.1	39.06	23.662	
9,800.0	9,779.4	9,568.1	9,452.9	17.0	22.1	-70.92	335.5	-501.2	932.7	893.7	39.06	23.878	
9,825.0	9,804.4	9,575.0	9,457.4	17.0	22.1	-70.59	340.8	-501.2	941.7	902.7	39.07	24.102	
9,850.0	9,829.4	9,584.6	9,463.6	17.1	22.1	-70.14	348.1	-501.2	951.2	912.1	39.07	24.343	
9,875.0	9,854.4	9,592.4	9,468.4	17.1	22.1	-69.77	354.2	-501.2	961.0	921.9	39.08	24.592	
9,900.0	9,879.4	9,600.0	9,473.1	17.1	22.1	-69.40	360.2	-501.2	971.3	932.2	39.08	24.851	
9,925.0	9,904.4	9,607.0	9,477.3	17.1	22.1	-69.06	365.8	-501.2	982.0	942.9	39.09	25.120	
9,950.0	9,929.4	9,613.9	9,481.4	17.1	22.1	-68.73	371.4	-501.2	993.1	954.0	39.10	25.399	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1.0	1.0	0.0	0.0	89.63	1.3	200.0	200.0				
25.0	25.0	26.0	26.0	0.5	0.1	89.63	1.3	200.0	200.0				
50.0	50.0	51.0	51.0	0.5	0.3	89.63	1.3	200.0	200.0	198.7	1.28	156.573	
75.0	75.0	76.0	76.0	0.5	0.4	89.63	1.3	200.0	200.0	198.6	1.37	145.744	
100.0	100.0	101.0	101.0	0.5	0.5	89.63	1.3	200.0	200.0	198.5	1.49	134.257	
125.0	125.0	126.0	126.0	0.6	0.6	89.63	1.3	200.0	200.0	198.3	1.74	115.246	
150.0	150.0	151.0	151.0	0.8	0.8	89.63	1.3	200.0	200.0	198.0	1.98	100.951	
175.0	175.0	176.0	176.0	0.9	0.9	89.63	1.3	200.0	200.0	197.8	2.23	89.811	
200.0	200.0	201.0	201.0	1.0	1.0	89.63	1.3	200.0	200.0	197.5	2.47	80.942	
225.0	225.0	226.0	226.0	1.1	1.1	89.63	1.3	200.0	200.0	197.4	2.63	76.036	
250.0	250.0	251.0	251.0	1.2	1.2	89.63	1.3	200.0	200.0	197.2	2.79	71.690	
275.0	275.0	276.0	276.0	1.3	1.3	89.63	1.3	200.0	200.0	197.1	2.95	67.814	
300.0	300.0	301.0	301.0	1.4	1.4	89.63	1.3	200.0	200.0	196.9	3.11	64.349	
325.0	325.0	326.0	326.0	1.4	1.4	89.63	1.3	200.0	200.0	196.8	3.24	61.811	
350.0	350.0	351.0	351.0	1.5	1.5	89.63	1.3	200.0	200.0	196.6	3.36	59.464	
375.0	375.0	376.0	376.0	1.6	1.6	89.63	1.3	200.0	200.0	196.5	3.49	57.290	
400.0	400.0	401.0	401.0	1.6	1.6	89.63	1.3	200.0	200.0	196.4	3.62	55.274	
425.0	425.0	426.0	426.0	1.7	1.7	89.63	1.3	200.0	200.0	196.3	3.73	53.649	
450.0	450.0	451.0	451.0	1.8	1.8	89.63	1.3	200.0	200.0	196.2	3.84	52.116	
475.0	475.0	476.0	476.0	1.8	1.8	89.63	1.3	200.0	200.0	196.1	3.95	50.669	
500.0	500.0	501.0	501.0	1.9	1.9	89.63	1.3	200.0	200.0	195.9	4.06	49.303	
525.0	525.0	526.0	526.0	1.9	1.9	89.63	1.3	200.0	200.0	195.9	4.15	48.145	
550.0	550.0	551.0	551.0	2.0	2.0	89.63	1.3	200.0	200.0	195.8	4.25	47.040	
575.0	575.0	576.0	576.0	2.1	2.1	89.63	1.3	200.0	200.0	195.7	4.35	45.985	
600.0	600.0	601.0	601.0	2.1	2.1	89.63	1.3	200.0	200.0	195.6	4.45	44.978	
625.0	625.0	626.0	626.0	2.2	2.2	89.63	1.3	200.0	200.0	195.5	4.54	44.097	
650.0	650.0	651.0	651.0	2.2	2.2	89.63	1.3	200.0	200.0	195.4	4.62	43.250	
675.0	675.0	676.0	676.0	2.3	2.3	89.63	1.3	200.0	200.0	195.3	4.71	42.435	
700.0	700.0	701.0	701.0	2.3	2.3	89.63	1.3	200.0	200.0	195.2	4.80	41.652	
725.0	725.0	726.0	726.0	2.4	2.4	89.63	1.3	200.0	200.0	195.1	4.88	40.952	
750.0	750.0	751.0	751.0	2.4	2.4	89.63	1.3	200.0	200.0	195.0	4.97	40.276	
775.0	775.0	776.0	776.0	2.5	2.5	89.63	1.3	200.0	200.0	195.0	5.05	39.621	
800.0	800.0	801.0	801.0	2.5	2.5	89.63	1.3	200.0	200.0	194.9	5.13	38.989	
825.0	825.0	826.0	826.0	2.6	2.6	89.63	1.3	200.0	200.0	194.8	5.21	38.415	
850.0	850.0	851.0	851.0	2.6	2.6	89.63	1.3	200.0	200.0	194.7	5.28	37.858	
875.0	875.0	876.0	876.0	2.6	2.6	89.63	1.3	200.0	200.0	194.6	5.36	37.317	
900.0	900.0	901.0	901.0	2.7	2.7	89.63	1.3	200.0	200.0	194.6	5.44	36.791	
925.0	925.0	926.0	926.0	2.7	2.7	89.63	1.3	200.0	200.0	194.5	5.51	36.310	
950.0	950.0	951.0	951.0	2.8	2.8	89.63	1.3	200.0	200.0	194.4	5.58	35.840	
975.0	975.0	976.0	976.0	2.8	2.8	89.63	1.3	200.0	200.0	194.4	5.65	35.383	
1,000.0	1,000.0	1,001.0	1,001.0	2.9	2.9	89.63	1.3	200.0	200.0	194.3	5.72	34.937	
1,025.0	1,025.0	1,026.0	1,026.0	2.9	2.9	89.63	1.3	200.0	200.0	194.2	5.79	34.525	
1,050.0	1,050.0	1,051.0	1,051.0	3.0	3.0	89.63	1.3	200.0	200.0	194.1	5.86	34.122	
1,075.0	1,075.0	1,076.0	1,076.0	3.0	3.0	89.63	1.3	200.0	200.0	194.1	5.93	33.729	
1,100.0	1,100.0	1,101.0	1,101.0	3.0	3.0	89.63	1.3	200.0	200.0	194.0	6.00	33.345	
1,125.0	1,125.0	1,126.0	1,126.0	3.1	3.1	89.63	1.3	200.0	200.0	193.9	6.06	32.986	
1,150.0	1,150.0	1,151.0	1,151.0	3.1	3.1	89.63	1.3	200.0	200.0	193.9	6.13	32.636	
1,175.0	1,175.0	1,176.0	1,176.0	3.2	3.2	89.63	1.3	200.0	200.0	193.8	6.19	32.292	
1,200.0	1,200.0	1,201.0	1,201.0	3.2	3.2	89.63	1.3	200.0	200.0	193.7	6.26	31.957	
1,225.0	1,225.0	1,226.0	1,226.0	3.2	3.2	89.63	1.3	200.0	200.0	193.7	6.32	31.642	
1,250.0	1,250.0	1,251.0	1,251.0	3.3	3.3	89.63	1.3	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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,276.0	1,276.0	3.3	3.3	89.63	1.3	200.0	200.0	193.6	6.45	31.030	
1,300.0	1,300.0	1,301.0	1,301.0	3.4	3.4	89.63	1.3	200.0	200.0	193.5	6.51	30.733	
1,325.0	1,325.0	1,326.0	1,326.0	3.4	3.4	89.63	1.3	200.0	200.0	193.4	6.57	30.453	
1,350.0	1,350.0	1,351.0	1,351.0	3.4	3.4	89.63	1.3	200.0	200.0	193.4	6.63	30.178	
1,375.0	1,375.0	1,376.0	1,376.0	3.5	3.5	89.63	1.3	200.0	200.0	193.3	6.69	29.908	
1,400.0	1,400.0	1,401.0	1,401.0	3.5	3.5	89.63	1.3	200.0	200.0	193.3	6.75	29.642	
1,425.0	1,425.0	1,426.0	1,426.0	3.6	3.6	89.63	1.3	200.0	200.0	193.2	6.80	29.391	
1,450.0	1,450.0	1,451.0	1,451.0	3.6	3.6	89.63	1.3	200.0	200.0	193.1	6.86	29.144	
1,475.0	1,475.0	1,476.0	1,476.0	3.6	3.6	89.63	1.3	200.0	200.0	193.1	6.92	28.902	
1,500.0	1,500.0	1,501.1	1,501.1	3.7	3.7	89.63	1.3	200.0	200.0	193.0	6.98	28.657	
1,525.0	1,525.0	1,527.9	1,527.9	3.7	3.7	89.64	1.3	199.9	199.9	192.8	7.07	28.261	
1,550.0	1,550.0	1,554.7	1,554.7	3.8	3.8	89.67	1.2	199.5	199.5	192.4	7.17	27.845	
1,575.0	1,575.0	1,581.5	1,581.5	3.8	3.8	89.71	1.0	198.9	199.0	191.7	7.26	27.408	
1,600.0	1,600.0	1,608.3	1,608.2	3.8	3.8	89.78	0.8	198.0	198.2	190.8	7.36	26.922	
1,625.0	1,625.0	1,635.0	1,635.0	3.9	3.9	89.86	0.5	196.9	197.1	189.7	7.48	26.353	
1,650.0	1,650.0	1,661.8	1,661.7	3.9	4.0	89.97	0.1	195.6	195.9	188.3	7.60	25.772	
1,675.0	1,675.0	1,688.5	1,688.3	3.9	4.0	90.09	-0.3	194.0	194.4	186.7	7.72	25.181	
1,700.0	1,700.0	1,715.2	1,715.0	4.0	4.1	90.24	-0.8	192.2	192.7	184.9	7.84	24.576	
1,725.0	1,725.0	1,741.8	1,741.5	4.0	4.2	90.40	-1.3	190.1	190.8	182.8	7.96	23.962	
1,750.0	1,750.0	1,768.4	1,768.0	4.1	4.2	90.60	-2.0	187.9	188.6	180.6	8.08	23.340	
1,775.0	1,775.0	1,794.9	1,794.4	4.1	4.3	90.81	-2.6	185.3	186.3	178.1	8.20	22.710	
1,800.0	1,800.0	1,821.5	1,820.8	4.1	4.4	91.06	-3.4	182.6	183.7	175.4	8.33	22.064	
1,825.0	1,825.0	1,847.9	1,847.0	4.2	4.5	91.33	-4.2	179.6	180.9	172.5	8.45	21.416	
1,850.0	1,850.0	1,874.3	1,873.2	4.2	4.6	91.63	-5.0	176.4	177.9	169.3	8.57	20.760	
1,875.0	1,875.0	1,900.6	1,899.3	4.2	4.7	91.97	-5.9	173.0	174.7	166.0	8.69	20.096	
1,900.0	1,900.0	1,926.9	1,925.3	4.3	4.8	92.34	-6.9	169.3	171.2	162.4	8.82	19.422	
1,925.0	1,925.0	1,953.0	1,951.2	4.3	4.9	92.75	-8.0	165.5	167.6	158.6	8.94	18.745	
1,950.0	1,950.0	1,979.2	1,976.9	4.3	5.0	93.21	-9.0	161.4	163.7	154.6	9.06	18.065	
1,975.0	1,975.0	2,005.2	2,002.6	4.4	5.1	93.71	-10.2	157.1	159.6	150.5	9.19	17.381	
2,000.0	2,000.0	2,031.1	2,028.1	4.4	5.2	94.28	-11.4	152.6	155.4	146.1	9.31	16.689	
2,025.0	2,025.0	2,057.0	2,053.5	4.4	5.3	39.94	-12.7	147.9	150.9	141.5	9.43	15.994	
2,050.0	2,050.0	2,082.7	2,078.7	4.5	5.4	40.71	-14.0	143.0	146.1	136.6	9.56	15.291	
2,075.0	2,075.0	2,108.3	2,103.7	4.5	5.5	41.59	-15.4	137.9	141.1	131.4	9.68	14.579	
2,100.0	2,100.0	2,133.8	2,128.6	4.5	5.6	42.61	-16.8	132.6	135.8	126.0	9.80	13.858	
2,125.0	2,125.0	2,159.1	2,153.3	4.6	5.7	43.78	-18.2	127.1	130.3	120.4	9.94	13.111	
2,150.0	2,150.0	2,184.3	2,177.9	4.6	5.8	45.13	-19.8	121.4	124.6	114.5	10.07	12.368	
2,175.0	2,175.0	2,209.4	2,202.2	4.6	5.9	46.69	-21.3	115.6	118.6	108.4	10.20	11.629	
2,200.0	2,200.0	2,234.3	2,226.3	4.7	6.0	48.51	-22.9	109.6	112.5	102.2	10.33	10.895	
2,225.0	2,224.9	2,259.0	2,250.2	4.7	6.1	50.62	-24.6	103.4	106.2	95.8	10.44	10.172	
2,250.0	2,249.9	2,283.6	2,273.9	4.8	6.2	53.10	-26.3	97.1	99.9	89.3	10.55	9.466	
2,275.0	2,274.9	2,308.0	2,297.4	4.8	6.3	56.02	-28.0	90.7	93.5	82.8	10.64	8.784	
2,300.0	2,299.9	2,332.3	2,320.6	4.9	6.4	59.46	-29.8	84.0	87.1	76.4	10.71	8.137	
2,325.0	2,324.8	2,356.3	2,343.6	4.9	6.5	63.56	-31.6	77.3	80.9	70.1	10.75	7.521	
2,350.0	2,349.8	2,380.1	2,366.3	4.9	6.6	68.39	-33.4	70.4	74.9	64.1	10.78	6.951	
2,375.0	2,374.7	2,403.5	2,388.6	5.0	6.7	73.97	-35.2	63.7	69.5	58.7	10.77	6.449	
2,400.0	2,399.7	2,426.8	2,410.8	5.0	6.8	80.40	-37.0	56.9	64.8	54.0	10.77	6.018	
2,425.0	2,424.6	2,450.1	2,433.0	5.1	6.8	87.68	-38.9	50.1	61.1	50.3	10.76	5.678	
2,450.0	2,449.5	2,473.3	2,455.2	5.1	6.9	95.69	-40.7	43.4	58.6	47.9	10.78	5.440	
2,475.0	2,474.5	2,496.9	2,477.7	5.2	7.0	104.35	-42.4	36.5	57.5	46.7	10.83	5.307	
2,483.7	2,483.2	2,505.2	2,485.6	5.2	7.0	107.44	-43.0	34.1	57.4	46.5	10.88	5.276 CC, ES	
2,500.0	2,499.4	2,520.6	2,500.3	5.2	7.1	113.18	-44.0	29.6	57.7	46.7	11.01	5.241 SF	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,524.3	2,544.2	2,522.8	5.3	7.2	117.03	-45.4	22.7	59.2	47.9	11.28	5.246	
2,550.0	2,549.2	2,567.7	2,545.3	5.4	7.3	120.97	-46.5	15.7	61.8	50.2	11.61	5.325	
2,575.0	2,574.0	2,591.3	2,567.8	5.4	7.4	124.78	-47.5	8.7	65.6	53.6	11.97	5.479	
2,600.0	2,598.9	2,614.7	2,590.1	5.5	7.5	128.33	-48.3	1.8	70.2	57.9	12.30	5.709	
2,625.0	2,623.7	2,638.1	2,612.4	5.5	7.6	131.57	-48.9	-5.2	75.8	63.2	12.62	6.007	
2,650.0	2,648.6	2,661.4	2,634.7	5.6	7.6	134.47	-49.3	-12.2	82.1	69.2	12.92	6.355	
2,675.0	2,673.4	2,684.2	2,656.4	5.7	7.7	136.94	-49.6	-19.1	89.0	75.9	13.18	6.756	
2,700.0	2,698.2	2,706.9	2,678.1	5.7	7.8	139.04	-49.9	-25.9	96.7	83.2	13.43	7.201	
2,717.4	2,715.4	2,722.6	2,693.1	5.7	7.9	140.32	-50.1	-30.6	102.3	88.8	13.58	7.536	
2,725.0	2,722.9	2,729.5	2,699.6	5.7	7.9	141.48	-50.1	-32.7	104.9	91.2	13.65	7.684	
2,750.0	2,747.7	2,752.0	2,721.1	5.8	8.0	144.93	-50.4	-39.4	113.5	99.6	13.87	8.184	
2,775.0	2,772.4	2,774.6	2,742.6	5.9	8.1	147.91	-50.7	-46.2	122.5	108.4	14.08	8.700	
2,800.0	2,797.2	2,797.2	2,764.2	5.9	8.2	150.51	-51.0	-53.0	131.7	117.5	14.28	9.225	
2,825.0	2,822.0	2,819.7	2,785.7	6.0	8.3	152.78	-51.2	-59.8	141.2	126.7	14.48	9.753	
2,850.0	2,846.7	2,842.3	2,807.2	6.0	8.4	154.78	-51.5	-66.6	150.8	136.1	14.67	10.281	
2,875.0	2,871.5	2,864.9	2,828.7	6.1	8.5	156.54	-51.8	-73.3	160.6	145.7	14.86	10.808	
2,900.0	2,896.2	2,887.4	2,850.3	6.2	8.6	158.11	-52.1	-80.1	170.5	155.4	15.04	11.332	
2,925.0	2,921.0	2,910.0	2,871.8	6.3	8.7	159.50	-52.3	-86.9	180.5	165.2	15.23	11.849	
2,950.0	2,945.7	2,932.6	2,893.3	6.3	8.8	160.76	-52.6	-93.7	190.6	175.1	15.42	12.359	
2,975.0	2,970.5	2,955.1	2,914.8	6.4	8.9	161.89	-52.9	-100.5	200.7	185.1	15.60	12.863	
3,000.0	2,995.2	2,977.7	2,936.3	6.5	9.0	162.92	-53.2	-107.2	210.9	195.1	15.79	13.360	
3,025.0	3,020.0	3,000.3	2,957.9	6.6	9.1	163.85	-53.4	-114.0	221.2	205.2	15.97	13.847	
3,050.0	3,044.8	3,022.8	2,979.4	6.6	9.2	164.70	-53.7	-120.8	231.5	215.3	16.16	14.325	
3,075.0	3,069.5	3,045.4	3,000.9	6.7	9.3	165.48	-54.0	-127.6	241.8	225.5	16.34	14.795	
3,100.0	3,094.3	3,068.0	3,022.4	6.8	9.4	166.20	-54.3	-134.4	252.2	235.7	16.53	15.257	
3,125.0	3,119.0	3,090.5	3,044.0	6.9	9.5	166.86	-54.5	-141.1	262.6	245.9	16.72	15.709	
3,150.0	3,143.8	3,113.1	3,065.5	7.0	9.6	167.47	-54.8	-147.9	273.0	256.1	16.90	16.152	
3,175.0	3,168.5	3,135.7	3,087.0	7.1	9.7	168.03	-55.1	-154.7	283.5	266.4	17.09	16.586	
3,200.0	3,193.3	3,158.2	3,108.5	7.1	9.8	168.56	-55.4	-161.5	294.0	276.7	17.28	17.013	
3,225.0	3,218.1	3,180.8	3,130.0	7.2	9.9	169.05	-55.6	-168.3	304.5	287.0	17.47	17.429	
3,250.0	3,242.8	3,203.4	3,151.6	7.3	10.0	169.51	-55.9	-175.0	315.0	297.3	17.66	17.838	
3,275.0	3,267.6	3,225.9	3,173.1	7.4	10.1	169.94	-56.2	-181.8	325.5	307.7	17.85	18.238	
3,300.0	3,292.3	3,248.5	3,194.6	7.5	10.2	170.34	-56.5	-188.6	336.1	318.0	18.04	18.630	
3,325.0	3,317.1	3,271.1	3,216.1	7.6	10.3	170.72	-56.7	-195.4	346.7	328.4	18.23	19.013	
3,350.0	3,341.8	3,293.6	3,237.7	7.7	10.4	171.07	-57.0	-202.2	357.2	338.8	18.42	19.389	
3,375.0	3,366.6	3,316.2	3,259.2	7.8	10.5	171.41	-57.3	-208.9	367.8	349.2	18.62	19.757	
3,400.0	3,391.4	3,338.8	3,280.7	7.9	10.6	171.73	-57.6	-215.7	378.4	359.6	18.81	20.117	
3,425.0	3,416.1	3,361.4	3,302.2	8.0	10.7	172.03	-57.8	-222.5	389.0	370.0	19.00	20.470	
3,450.0	3,440.9	3,383.9	3,323.7	8.0	10.8	172.31	-58.1	-229.3	399.6	380.4	19.20	20.815	
3,475.0	3,465.6	3,406.5	3,345.3	8.1	10.9	172.58	-58.4	-236.1	410.2	390.8	19.39	21.154	
3,500.0	3,490.4	3,429.1	3,366.8	8.2	11.0	172.83	-58.7	-242.9	420.9	401.3	19.59	21.486	
3,525.0	3,515.1	3,451.6	3,388.3	8.3	11.1	173.08	-58.9	-249.6	431.5	411.7	19.78	21.810	
3,550.0	3,539.9	3,474.2	3,409.8	8.4	11.2	173.31	-59.2	-256.4	442.1	422.2	19.98	22.128	
3,575.0	3,564.7	3,496.8	3,431.4	8.5	11.3	173.53	-59.5	-263.2	452.8	432.6	20.18	22.440	
3,600.0	3,589.4	3,519.3	3,452.9	8.6	11.4	173.74	-59.8	-270.0	463.4	443.1	20.37	22.746	
3,625.0	3,614.2	3,541.9	3,474.4	8.7	11.5	173.94	-60.0	-276.8	474.1	453.5	20.57	23.045	
3,650.0	3,638.9	3,564.5	3,495.9	8.8	11.7	174.13	-60.3	-283.5	484.7	464.0	20.77	23.338	
3,675.0	3,663.7	3,587.0	3,517.4	8.9	11.8	174.32	-60.6	-290.3	495.4	474.4	20.97	23.626	
3,700.0	3,688.4	3,609.6	3,539.0	9.0	11.9	174.49	-60.9	-297.1	506.1	484.9	21.17	23.908	
3,725.0	3,713.2	3,632.2	3,560.5	9.1	12.0	174.66	-61.1	-303.9	516.7	495.4	21.37	24.184	
3,750.0	3,737.9	3,654.7	3,582.0	9.2	12.1	174.83	-61.4	-310.7	527.4	505.8	21.57	24.455	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	3,762.7	3,677.3	3,603.5	9.3	12.2	174.98	-61.7	-317.4	538.1	516.3	21.77	24.720	
3,800.0	3,787.5	3,699.9	3,625.1	9.4	12.3	175.13	-62.0	-324.2	548.8	526.8	21.97	24.982	
3,825.0	3,812.2	3,722.4	3,646.6	9.5	12.4	175.28	-62.2	-331.0	559.5	537.3	22.17	25.237	
3,850.0	3,837.0	3,745.0	3,668.1	9.6	12.5	175.41	-62.5	-337.8	570.1	547.8	22.37	25.487	
3,875.0	3,861.7	3,767.6	3,689.6	9.7	12.6	175.55	-62.8	-344.6	580.8	558.3	22.57	25.733	
3,900.0	3,886.5	3,790.1	3,711.1	9.8	12.7	175.68	-63.1	-351.3	591.5	568.8	22.77	25.975	
3,925.0	3,911.2	3,812.7	3,732.7	9.9	12.8	175.80	-63.3	-358.1	602.2	579.2	22.98	26.212	
3,950.0	3,936.0	3,835.3	3,754.2	10.0	12.9	175.92	-63.6	-364.9	612.9	589.7	23.18	26.444	
3,975.0	3,960.8	3,857.8	3,775.7	10.1	13.0	176.04	-63.9	-371.7	623.6	600.2	23.38	26.672	
4,000.0	3,985.5	3,880.4	3,797.2	10.2	13.2	176.15	-64.2	-378.5	634.3	610.7	23.58	26.896	
4,025.0	4,010.3	3,903.0	3,818.8	10.3	13.3	176.26	-64.4	-385.2	645.0	621.2	23.79	27.116	
4,050.0	4,035.0	3,925.5	3,840.3	10.4	13.4	176.36	-64.7	-392.0	655.7	631.7	23.99	27.332	
4,075.0	4,059.8	3,948.1	3,861.8	10.5	13.5	176.46	-65.0	-398.8	666.4	642.2	24.20	27.544	
4,100.0	4,084.5	3,970.7	3,883.3	10.6	13.6	176.56	-65.3	-405.6	677.1	652.7	24.40	27.752	
4,125.0	4,109.3	3,993.2	3,904.8	10.7	13.7	176.66	-65.5	-412.4	687.8	663.2	24.60	27.957	
4,150.0	4,134.1	4,015.8	3,926.4	10.8	13.8	176.75	-65.8	-419.1	698.6	673.7	24.81	28.158	
4,175.0	4,158.8	4,038.4	3,947.9	10.9	13.9	176.84	-66.1	-425.9	709.3	684.3	25.01	28.355	
4,200.0	4,183.6	4,060.9	3,969.4	11.0	14.0	176.92	-66.4	-432.7	720.0	694.8	25.22	28.549	
4,225.0	4,208.3	4,083.5	3,990.9	11.1	14.1	177.01	-66.6	-439.5	730.7	705.3	25.42	28.740	
4,250.0	4,233.1	4,106.1	4,012.5	11.2	14.2	177.09	-66.9	-446.3	741.4	715.8	25.63	28.927	
4,275.0	4,257.8	4,128.6	4,034.0	11.3	14.4	177.17	-67.2	-453.1	752.1	726.3	25.84	29.111	
4,300.0	4,282.6	4,151.2	4,055.5	11.4	14.5	177.25	-67.5	-459.8	762.9	736.8	26.04	29.292	
4,325.0	4,307.4	4,173.8	4,077.0	11.5	14.6	177.32	-67.7	-466.6	773.6	747.3	26.24	29.476	
4,350.0	4,332.1	4,196.3	4,098.5	11.6	14.7	177.40	-68.0	-473.4	784.3	757.8	26.45	29.656	
4,365.6	4,347.6	4,210.4	4,112.0	11.6	14.8	177.44	-68.2	-477.6	791.0	764.4	26.57	29.767	
4,375.0	4,356.9	4,218.9	4,120.1	11.7	14.8	177.47	-68.3	-480.2	795.0	768.4	26.65	29.835	
4,400.0	4,381.6	4,241.5	4,141.6	11.7	14.9	177.54	-68.6	-487.0	805.6	778.8	26.85	30.010	
4,425.0	4,406.4	4,264.2	4,163.2	11.8	15.0	177.61	-68.8	-493.8	816.2	789.1	27.05	30.170	
4,450.0	4,431.2	4,286.9	4,184.9	11.9	15.1	177.68	-69.1	-500.6	826.6	799.4	27.26	30.325	
4,475.0	4,456.0	4,309.6	4,206.6	12.0	15.2	177.75	-69.4	-507.4	837.0	809.5	27.47	30.472	
4,500.0	4,480.9	4,332.4	4,228.3	12.1	15.4	177.82	-69.7	-514.3	847.2	819.5	27.67	30.614	
4,525.0	4,505.7	4,355.2	4,250.1	12.2	15.5	177.88	-70.0	-521.1	857.4	829.5	27.88	30.751	
4,550.0	4,530.5	4,378.1	4,271.9	12.3	15.6	177.94	-70.2	-528.0	867.4	839.3	28.09	30.883	
4,575.0	4,555.4	4,401.0	4,293.8	12.4	15.7	178.00	-70.5	-534.9	877.3	849.1	28.29	31.008	
4,600.0	4,580.3	4,424.0	4,315.7	12.5	15.8	178.06	-70.8	-541.8	887.2	858.7	28.50	31.128	
4,625.0	4,605.2	4,447.0	4,337.6	12.6	15.9	178.11	-71.1	-548.7	896.9	868.2	28.71	31.245	
4,650.0	4,630.1	4,470.0	4,359.6	12.7	16.0	178.17	-71.4	-555.6	906.6	877.7	28.91	31.356	
4,675.0	4,655.0	4,493.1	4,381.6	12.8	16.1	178.22	-71.6	-562.6	916.1	887.0	29.12	31.461	
4,700.0	4,679.9	4,516.3	4,403.7	12.9	16.3	178.28	-71.9	-569.5	925.6	896.3	29.33	31.562	
4,725.0	4,704.8	4,539.5	4,425.8	13.0	16.4	178.33	-72.2	-576.5	934.9	905.4	29.53	31.659	
4,750.0	4,729.7	4,562.7	4,447.9	13.1	16.5	178.38	-72.5	-583.5	944.2	914.4	29.74	31.752	
4,775.0	4,754.7	4,585.9	4,470.1	13.2	16.6	178.42	-72.8	-590.5	953.3	923.4	29.94	31.840	
4,800.0	4,779.6	4,609.2	4,492.3	13.3	16.7	178.47	-73.1	-597.5	962.4	932.2	30.15	31.923	
4,825.0	4,804.6	4,632.6	4,514.6	13.4	16.8	178.52	-73.3	-604.5	971.3	941.0	30.35	32.004	
4,850.0	4,829.5	4,655.9	4,536.9	13.4	16.9	178.56	-73.6	-611.5	980.2	949.6	30.55	32.081	
4,875.0	4,854.5	4,679.3	4,559.2	13.5	17.1	178.61	-73.9	-618.5	988.9	958.1	30.76	32.153	
4,900.0	4,879.5	4,702.8	4,581.6	13.6	17.2	178.65	-74.2	-625.6	997.5	966.6	30.96	32.221	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	0.1	0.1	0.0	0.0	179.43	-20.0	0.2	20.0				
25.0	25.0	25.1	25.1	0.5	0.1	179.43	-20.0	0.2	20.0				
50.0	50.0	50.1	50.1	0.5	0.3	179.43	-20.0	0.2	20.0	18.7	1.28	15.586	
75.0	75.0	75.1	75.1	0.5	0.4	179.43	-20.0	0.2	20.0	18.6	1.38	14.511	
100.0	100.0	100.1	100.1	0.5	0.5	179.43	-20.0	0.2	20.0	18.5	1.50	13.366	
125.0	125.0	125.1	125.1	0.6	0.6	179.43	-20.0	0.2	20.0	18.3	1.75	11.443	
150.0	150.0	150.1	150.1	0.8	0.8	179.43	-20.0	0.2	20.0	18.0	2.00	10.003	
175.0	175.0	175.1	175.1	0.9	0.9	179.43	-20.0	0.2	20.0	17.8	2.25	8.885	
200.0	200.0	200.1	200.1	1.0	1.0	179.43	-20.0	0.2	20.0	17.5	2.50	7.993	
225.0	225.0	225.1	225.1	1.1	1.1	179.43	-20.0	0.2	20.0	17.3	2.67	7.492	
250.0	250.0	250.1	250.1	1.2	1.2	179.43	-20.0	0.2	20.0	17.2	2.84	7.050	
275.0	275.0	275.1	275.1	1.3	1.3	179.43	-20.0	0.2	20.0	17.0	3.00	6.657	
300.0	300.0	300.1	300.1	1.4	1.4	179.43	-20.0	0.2	20.0	16.8	3.17	6.306	
325.0	325.0	325.1	325.1	1.4	1.4	179.43	-20.0	0.2	20.0	16.7	3.31	6.045	
350.0	350.0	350.1	350.1	1.5	1.5	179.43	-20.0	0.2	20.0	16.6	3.45	5.805	
375.0	375.0	375.1	375.1	1.6	1.6	179.43	-20.0	0.2	20.0	16.4	3.58	5.583	
400.0	400.0	400.1	400.1	1.6	1.6	179.43	-20.0	0.2	20.0	16.3	3.72	5.377	
425.0	425.0	425.1	425.1	1.7	1.7	179.43	-20.0	0.2	20.0	16.2	3.84	5.208	
450.0	450.0	450.1	450.1	1.8	1.8	179.43	-20.0	0.2	20.0	16.0	3.96	5.050	
475.0	475.0	475.1	475.1	1.8	1.8	179.43	-20.0	0.2	20.0	15.9	4.08	4.901	
500.0	500.0	500.1	500.1	1.9	1.9	179.43	-20.0	0.2	20.0	15.8	4.20	4.761	
525.0	525.0	525.1	525.1	1.9	1.9	179.43	-20.0	0.2	20.0	15.7	4.31	4.640	
550.0	550.0	550.1	550.1	2.0	2.0	179.43	-20.0	0.2	20.0	15.6	4.42	4.525	
575.0	575.0	575.1	575.1	2.1	2.1	179.43	-20.0	0.2	20.0	15.5	4.53	4.416	
600.0	600.0	600.1	600.1	2.1	2.1	179.43	-20.0	0.2	20.0	15.4	4.64	4.312	
625.0	625.0	625.1	625.1	2.2	2.2	179.43	-20.0	0.2	20.0	15.3	4.74	4.220	
650.0	650.0	650.1	650.1	2.2	2.2	179.43	-20.0	0.2	20.0	15.2	4.84	4.131	
675.0	675.0	675.1	675.1	2.3	2.3	179.43	-20.0	0.2	20.0	15.1	4.94	4.046	
700.0	700.0	700.1	700.1	2.3	2.3	179.43	-20.0	0.2	20.0	15.0	5.04	3.965	
725.0	725.0	725.1	725.1	2.4	2.4	179.43	-20.0	0.2	20.0	14.9	5.14	3.891	
750.0	750.0	750.1	750.1	2.4	2.4	179.43	-20.0	0.2	20.0	14.8	5.24	3.820	
775.0	775.0	775.1	775.1	2.5	2.5	179.43	-20.0	0.2	20.0	14.7	5.33	3.751	
800.0	800.0	800.1	800.1	2.5	2.5	179.43	-20.0	0.2	20.0	14.6	5.43	3.685	
825.0	825.0	825.1	825.1	2.6	2.6	179.43	-20.0	0.2	20.0	14.5	5.52	3.624	
850.0	850.0	850.1	850.1	2.6	2.6	179.43	-20.0	0.2	20.0	14.4	5.61	3.565	
875.0	875.0	875.1	875.1	2.6	2.6	179.43	-20.0	0.2	20.0	14.3	5.70	3.508	
900.0	900.0	900.1	900.1	2.7	2.7	179.43	-20.0	0.2	20.0	14.2	5.79	3.453	
925.0	925.0	925.1	925.1	2.7	2.7	179.43	-20.0	0.2	20.0	14.1	5.88	3.402	
950.0	950.0	950.1	950.1	2.8	2.8	179.43	-20.0	0.2	20.0	14.0	5.97	3.352	
975.0	975.0	975.1	975.1	2.8	2.8	179.43	-20.0	0.2	20.0	13.9	6.05	3.304	
1,000.0	1,000.0	1,000.1	1,000.1	2.9	2.9	179.43	-20.0	0.2	20.0	13.9	6.14	3.257	
1,025.0	1,025.0	1,025.1	1,025.1	2.9	2.9	179.43	-20.0	0.2	20.0	13.8	6.23	3.212	
1,050.0	1,050.0	1,050.1	1,050.1	3.0	3.0	179.43	-20.0	0.2	20.0	13.7	6.31	3.170	
1,075.0	1,075.0	1,075.1	1,075.1	3.0	3.0	179.43	-20.0	0.2	20.0	13.6	6.39	3.128	
1,100.0	1,100.0	1,100.1	1,100.1	3.0	3.0	179.43	-20.0	0.2	20.0	13.5	6.48	3.087	
1,125.0	1,125.0	1,125.1	1,125.1	3.1	3.1	179.43	-20.0	0.2	20.0	13.4	6.56	3.049	
1,150.0	1,150.0	1,150.1	1,150.1	3.1	3.1	179.43	-20.0	0.2	20.0	13.4	6.64	3.011	
1,175.0	1,175.0	1,175.1	1,175.1	3.2	3.2	179.43	-20.0	0.2	20.0	13.3	6.72	2.974	Normal Operations
1,200.0	1,200.0	1,200.1	1,200.1	3.2	3.2	179.43	-20.0	0.2	20.0	13.2	6.81	2.939	Normal Operations
1,225.0	1,225.0	1,225.1	1,225.1	3.2	3.2	179.43	-20.0	0.2	20.0	13.1	6.89	2.905	Normal Operations
1,250.0	1,250.0	1,250.1	1,250.1	3.3	3.3	179.43	-20.0	0.2	20.0	13.0	6.97	2.872	Normal Operations

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,275.1	1,275.1	3.3	3.3	179.43	-20.0	0.2	20.0	13.0	7.04	2.839	Normal Operations
1,300.0	1,300.0	1,300.1	1,300.1	3.4	3.4	179.43	-20.0	0.2	20.0	12.9	7.12	2.807	Normal Operations
1,325.0	1,325.0	1,325.1	1,325.1	3.4	3.4	179.43	-20.0	0.2	20.0	12.8	7.20	2.777	Normal Operations
1,350.0	1,350.0	1,350.1	1,350.1	3.4	3.4	179.43	-20.0	0.2	20.0	12.7	7.28	2.747	Normal Operations
1,375.0	1,375.0	1,375.1	1,375.1	3.5	3.5	179.43	-20.0	0.2	20.0	12.6	7.36	2.718	Normal Operations
1,400.0	1,400.0	1,400.1	1,400.1	3.5	3.5	179.43	-20.0	0.2	20.0	12.6	7.44	2.690	Normal Operations
1,425.0	1,425.0	1,425.1	1,425.1	3.6	3.6	179.43	-20.0	0.2	20.0	12.5	7.51	2.663	Normal Operations
1,450.0	1,450.0	1,450.1	1,450.1	3.6	3.6	179.43	-20.0	0.2	20.0	12.4	7.59	2.636	Normal Operations
1,475.0	1,475.0	1,475.1	1,475.1	3.6	3.6	179.43	-20.0	0.2	20.0	12.3	7.66	2.610	Normal Operations
1,500.0	1,500.0	1,500.1	1,500.1	3.7	3.7	179.43	-20.0	0.2	20.0	12.3	7.74	2.584	Normal Operations
1,525.0	1,525.0	1,525.1	1,525.1	3.7	3.7	179.43	-20.0	0.2	20.0	12.2	7.81	2.560	Normal Operations
1,550.0	1,550.0	1,550.1	1,550.1	3.8	3.8	179.43	-20.0	0.2	20.0	12.1	7.89	2.535	Normal Operations
1,575.0	1,575.0	1,575.1	1,575.1	3.8	3.8	179.43	-20.0	0.2	20.0	12.0	7.96	2.512	Normal Operations
1,600.0	1,600.0	1,600.1	1,600.1	3.8	3.8	179.43	-20.0	0.2	20.0	12.0	8.04	2.488	Caution - Monitor Closely
1,625.0	1,625.0	1,625.1	1,625.1	3.9	3.9	179.43	-20.0	0.2	20.0	11.9	8.11	2.466	Caution - Monitor Closely
1,650.0	1,650.0	1,650.1	1,650.1	3.9	3.9	179.43	-20.0	0.2	20.0	11.8	8.18	2.444	Caution - Monitor Closely
1,675.0	1,675.0	1,675.1	1,675.1	3.9	3.9	179.43	-20.0	0.2	20.0	11.7	8.26	2.422	Caution - Monitor Closely
1,700.0	1,700.0	1,700.1	1,700.1	4.0	4.0	179.43	-20.0	0.2	20.0	11.7	8.33	2.401	Caution - Monitor Closely
1,725.0	1,725.0	1,725.1	1,725.1	4.0	4.0	179.43	-20.0	0.2	20.0	11.6	8.40	2.380	Caution - Monitor Closely
1,750.0	1,750.0	1,750.1	1,750.1	4.1	4.1	179.43	-20.0	0.2	20.0	11.5	8.48	2.360	Caution - Monitor Closely
1,775.0	1,775.0	1,775.1	1,775.1	4.1	4.1	179.43	-20.0	0.2	20.0	11.5	8.55	2.340	Caution - Monitor Closely
1,800.0	1,800.0	1,800.1	1,800.1	4.1	4.1	179.43	-20.0	0.2	20.0	11.4	8.62	2.320	Caution - Monitor Closely
1,825.0	1,825.0	1,825.1	1,825.1	4.2	4.2	179.43	-20.0	0.2	20.0	11.3	8.69	2.301	Caution - Monitor Closely
1,850.0	1,850.0	1,850.1	1,850.1	4.2	4.2	179.43	-20.0	0.2	20.0	11.2	8.76	2.283	Caution - Monitor Closely
1,875.0	1,875.0	1,875.1	1,875.1	4.2	4.2	179.43	-20.0	0.2	20.0	11.2	8.83	2.264	Caution - Monitor Closely
1,900.0	1,900.0	1,900.1	1,900.1	4.3	4.3	179.43	-20.0	0.2	20.0	11.1	8.90	2.246	Caution - Monitor Closely
1,925.0	1,925.0	1,925.1	1,925.1	4.3	4.3	179.43	-20.0	0.2	20.0	11.0	8.97	2.229	Caution - Monitor Closely
1,950.0	1,950.0	1,950.1	1,950.1	4.3	4.3	179.43	-20.0	0.2	20.0	11.0	9.04	2.211	Caution - Monitor Closely
1,975.0	1,975.0	1,975.1	1,975.1	4.4	4.4	179.43	-20.0	0.2	20.0	10.9	9.11	2.194	Caution - Monitor Closely
2,000.0	2,000.0	2,000.1	2,000.1	4.4	4.4	179.43	-20.0	0.2	20.0	10.8	9.18	2.178	Caution - Monitor Closely, CC
2,025.0	2,025.0	2,025.1	2,025.1	4.4	4.5	124.56	-20.0	0.2	20.0	10.8	9.26	2.163	Caution - Monitor Closely, ES
2,050.0	2,050.0	2,050.1	2,050.1	4.5	4.5	124.94	-20.0	0.2	20.1	10.8	9.34	2.155	Caution - Monitor Closely
2,075.0	2,075.0	2,075.1	2,075.1	4.5	4.6	125.57	-20.0	0.2	20.3	10.9	9.42	2.154	Caution - Monitor Closely, SF
2,100.0	2,100.0	2,100.1	2,100.1	4.5	4.6	126.43	-20.0	0.2	20.5	11.0	9.49	2.160	Caution - Monitor Closely
2,125.0	2,125.0	2,125.1	2,125.1	4.6	4.7	127.52	-20.0	0.2	20.8	11.2	9.57	2.174	Caution - Monitor Closely
2,150.0	2,150.0	2,150.1	2,150.1	4.6	4.7	128.80	-20.0	0.2	21.2	11.5	9.65	2.195	Caution - Monitor Closely
2,175.0	2,175.0	2,175.1	2,175.1	4.6	4.7	130.26	-20.0	0.2	21.6	11.9	9.72	2.224	Caution - Monitor Closely
2,200.0	2,200.0	2,200.1	2,200.1	4.7	4.8	131.87	-20.0	0.2	22.2	12.4	9.80	2.262	Caution - Monitor Closely
2,225.0	2,224.9	2,225.0	2,225.0	4.7	4.8	133.60	-20.0	0.2	22.8	12.9	9.87	2.309	Caution - Monitor Closely
2,250.0	2,249.9	2,250.0	2,250.0	4.8	4.8	135.43	-20.0	0.2	23.5	13.6	9.94	2.366	Caution - Monitor Closely
2,275.0	2,274.9	2,275.0	2,275.0	4.8	4.9	137.31	-20.0	0.2	24.3	14.3	10.01	2.432	Caution - Monitor Closely
2,300.0	2,299.9	2,300.0	2,300.0	4.9	4.9	139.23	-20.0	0.2	25.3	15.2	10.08	2.509	Normal Operations
2,325.0	2,324.8	2,324.9	2,324.9	4.9	5.0	141.16	-20.0	0.2	26.3	16.2	10.15	2.595	Normal Operations
2,350.0	2,349.8	2,349.9	2,349.9	4.9	5.0	143.08	-20.0	0.2	27.5	17.3	10.21	2.692	Normal Operations
2,375.0	2,374.7	2,374.8	2,374.8	5.0	5.0	144.96	-20.0	0.2	28.8	18.5	10.28	2.799	Normal Operations
2,400.0	2,399.7	2,399.8	2,399.8	5.0	5.1	146.79	-20.0	0.2	30.2	19.8	10.35	2.915	Normal Operations
2,425.0	2,424.6	2,424.7	2,424.7	5.1	5.1	148.56	-20.0	0.2	31.7	21.3	10.42	3.042	
2,450.0	2,449.5	2,449.6	2,449.6	5.1	5.1	150.26	-20.0	0.2	33.3	22.8	10.49	3.178	
2,475.0	2,474.5	2,474.6	2,474.6	5.2	5.2	151.89	-20.0	0.2	35.1	24.5	10.56	3.323	
2,500.0	2,499.4	2,499.5	2,499.5	5.2	5.2	153.43	-20.0	0.2	37.0	26.4	10.64	3.477	
2,525.0	2,524.3	2,524.6	2,524.6	5.3	5.3	150.04	-20.0	0.3	38.9	28.2	10.73	3.625	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	2,549.2	2,549.7	2,549.7	5.4	5.3	147.05	-19.9	0.6	40.7	29.9	10.83	3.760	
2,575.0	2,574.0	2,574.9	2,574.8	5.4	5.3	144.46	-19.9	1.2	42.4	31.5	10.92	3.883	
2,600.0	2,598.9	2,600.0	2,600.0	5.5	5.4	142.25	-19.8	1.9	44.0	33.0	11.02	3.993	
2,625.0	2,623.7	2,625.2	2,625.2	5.5	5.4	140.38	-19.7	2.9	45.5	34.4	11.12	4.093	
2,650.0	2,648.6	2,650.4	2,650.4	5.6	5.4	138.84	-19.5	4.1	46.9	35.7	11.23	4.182	
2,675.0	2,673.4	2,675.7	2,675.6	5.7	5.5	137.59	-19.3	5.5	48.3	36.9	11.33	4.259	
2,700.0	2,698.2	2,700.9	2,700.8	5.7	5.5	136.60	-19.1	7.2	49.5	38.0	11.44	4.326	
2,717.4	2,715.4	2,718.5	2,718.3	5.7	5.5	136.06	-19.0	8.5	50.3	38.8	11.49	4.375	
2,725.0	2,722.9	2,726.2	2,726.0	5.7	5.5	136.44	-18.9	9.1	50.6	39.1	11.53	4.392	
2,750.0	2,747.7	2,751.5	2,751.2	5.8	5.6	137.56	-18.6	11.1	51.6	40.0	11.63	4.438	
2,775.0	2,772.4	2,776.8	2,776.4	5.9	5.6	138.48	-18.3	13.5	52.5	40.7	11.74	4.470	
2,800.0	2,797.2	2,802.2	2,801.6	5.9	5.7	139.21	-18.0	16.0	53.2	41.3	11.86	4.486	
2,825.0	2,822.0	2,827.5	2,826.8	6.0	5.7	139.78	-17.7	18.8	53.7	41.7	11.97	4.486	
2,850.0	2,846.7	2,852.9	2,852.0	6.0	5.7	140.19	-17.3	21.7	54.1	42.0	12.10	4.471	
2,875.0	2,871.5	2,878.3	2,877.2	6.1	5.8	140.44	-16.9	24.9	54.3	42.1	12.22	4.442	
2,900.0	2,896.2	2,903.6	2,902.3	6.2	5.9	140.54	-16.5	28.4	54.3	42.0	12.34	4.399	
2,925.0	2,921.0	2,929.0	2,927.4	6.3	5.9	140.50	-16.0	32.0	54.1	41.7	12.47	4.341	
2,950.0	2,945.7	2,954.4	2,952.5	6.3	6.0	140.31	-15.5	35.9	53.8	41.2	12.60	4.272	
2,975.0	2,970.5	2,979.7	2,977.5	6.4	6.1	139.96	-15.0	40.0	53.3	40.6	12.73	4.191	
3,000.0	2,995.2	3,005.1	3,002.5	6.5	6.2	139.45	-14.5	44.3	52.7	39.8	12.85	4.098	
3,025.0	3,020.0	3,030.4	3,027.4	6.6	6.2	138.77	-13.9	48.8	51.8	38.9	12.98	3.995	
3,050.0	3,044.8	3,055.7	3,052.3	6.6	6.3	137.91	-13.3	53.5	50.8	37.8	13.10	3.882	
3,075.0	3,069.5	3,081.0	3,077.0	6.7	6.4	136.83	-12.7	58.5	49.7	36.5	13.21	3.762	
3,100.0	3,094.3	3,106.2	3,101.7	6.8	6.5	135.54	-12.1	63.6	48.4	35.1	13.32	3.635	
3,125.0	3,119.0	3,131.1	3,126.1	6.9	6.6	134.14	-11.4	68.7	47.1	33.7	13.42	3.511	
3,150.0	3,143.8	3,156.1	3,150.5	7.0	6.6	132.66	-10.8	73.9	45.9	32.4	13.52	3.393	
3,175.0	3,168.5	3,181.0	3,174.9	7.1	6.7	131.10	-10.1	79.0	44.6	31.0	13.61	3.280	
3,200.0	3,193.3	3,206.0	3,199.3	7.1	6.8	129.45	-9.5	84.2	43.4	29.7	13.69	3.173	
3,225.0	3,218.1	3,230.9	3,223.7	7.2	6.8	127.70	-8.8	89.3	42.3	28.5	13.76	3.072	
3,250.0	3,242.8	3,255.8	3,248.1	7.3	6.9	125.86	-8.2	94.5	41.2	27.3	13.83	2.976	Normal Operations
3,275.0	3,267.6	3,280.8	3,272.5	7.4	7.0	123.93	-7.5	99.6	40.1	26.2	13.89	2.886	Normal Operations
3,300.0	3,292.3	3,305.7	3,296.8	7.5	7.1	121.88	-6.9	104.8	39.1	25.1	13.94	2.803	Normal Operations
3,325.0	3,317.1	3,330.7	3,321.2	7.6	7.2	119.73	-6.2	109.9	38.1	24.1	13.97	2.725	Normal Operations
3,350.0	3,341.8	3,355.6	3,345.6	7.7	7.2	117.47	-5.6	115.0	37.2	23.2	14.00	2.654	Normal Operations
3,375.0	3,366.6	3,380.5	3,370.0	7.8	7.3	115.11	-5.0	120.2	36.3	22.3	14.02	2.589	Normal Operations
3,400.0	3,391.4	3,405.5	3,394.4	7.9	7.4	112.63	-4.3	125.3	35.5	21.5	14.03	2.531	Normal Operations
3,425.0	3,416.1	3,430.4	3,418.8	8.0	7.5	110.04	-3.7	130.5	34.8	20.8	14.03	2.480	Caution - Monitor Closely
3,450.0	3,440.9	3,455.4	3,443.2	8.0	7.6	107.35	-3.0	135.6	34.1	20.1	14.03	2.434	Caution - Monitor Closely
3,475.0	3,465.6	3,480.3	3,467.6	8.1	7.6	104.57	-2.4	140.8	33.6	19.6	14.02	2.395	Caution - Monitor Closely
3,500.0	3,490.4	3,505.2	3,492.0	8.2	7.7	101.69	-1.7	145.9	33.1	19.1	14.01	2.363	Caution - Monitor Closely
3,525.0	3,515.1	3,530.2	3,516.4	8.3	7.8	98.74	-1.1	151.1	32.7	18.7	14.00	2.336	Caution - Monitor Closely
3,550.0	3,539.9	3,555.1	3,540.8	8.4	7.9	95.72	-0.4	156.2	32.4	18.4	13.99	2.314	Caution - Monitor Closely
3,575.0	3,564.7	3,580.0	3,565.2	8.5	8.0	92.65	0.2	161.3	32.2	18.2	14.00	2.298	Caution - Monitor Closely
3,600.0	3,589.4	3,605.0	3,589.6	8.6	8.1	89.55	0.9	166.5	32.0	18.0	14.01	2.286	Caution - Monitor Closely
3,620.8	3,610.0	3,625.7	3,609.9	8.7	8.1	86.96	1.4	170.8	32.0	18.0	14.04	2.279	Caution - Monitor Closely
3,625.0	3,614.2	3,629.9	3,614.0	8.7	8.2	86.44	1.5	171.6	32.0	18.0	14.05	2.278	Caution - Monitor Closely
3,650.0	3,638.9	3,654.9	3,638.4	8.8	8.2	83.33	2.1	176.8	32.1	18.0	14.11	2.273	Caution - Monitor Closely
3,675.0	3,663.7	3,679.8	3,662.8	8.9	8.3	80.24	2.8	181.9	32.2	18.0	14.18	2.272	Caution - Monitor Closely
3,700.0	3,688.4	3,704.7	3,687.1	9.0	8.4	77.18	3.4	187.1	32.5	18.2	14.29	2.273	Caution - Monitor Closely
3,725.0	3,713.2	3,729.7	3,711.5	9.1	8.5	74.19	4.1	192.2	32.8	18.4	14.42	2.276	Caution - Monitor Closely
3,750.0	3,737.9	3,754.6	3,735.9	9.2	8.6	71.26	4.7	197.4	33.2	18.7	14.58	2.281	Caution - Monitor Closely

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,779.6	3,760.3	9.3	8.7	68.41	5.4	202.5	33.8	19.0	14.76	2.288	Caution - Monitor Closely
3,800.0	3,787.5	3,804.5	3,784.7	9.4	8.8	65.66	6.0	207.6	34.4	19.4	14.96	2.297	Caution - Monitor Closely
3,825.0	3,812.2	3,829.4	3,809.1	9.5	8.9	63.00	6.7	212.8	35.0	19.9	15.18	2.308	Caution - Monitor Closely
3,850.0	3,837.0	3,854.4	3,833.5	9.6	9.0	60.45	7.3	217.9	35.8	20.4	15.42	2.320	Caution - Monitor Closely
3,875.0	3,861.7	3,879.3	3,857.9	9.7	9.1	58.01	7.9	223.1	36.6	20.9	15.67	2.335	Caution - Monitor Closely
3,900.0	3,886.5	3,904.3	3,882.3	9.8	9.2	55.68	8.6	228.2	37.5	21.5	15.94	2.351	Caution - Monitor Closely
3,925.0	3,911.2	3,929.2	3,906.7	9.9	9.3	53.46	9.2	233.4	38.4	22.2	16.21	2.369	Caution - Monitor Closely
3,950.0	3,936.0	3,954.1	3,931.1	10.0	9.4	51.34	9.9	238.5	39.4	22.9	16.50	2.388	Caution - Monitor Closely
3,975.0	3,960.8	3,979.1	3,955.5	10.1	9.5	49.34	10.5	243.7	40.4	23.7	16.78	2.410	Caution - Monitor Closely
4,000.0	3,985.5	4,004.0	3,979.9	10.2	9.6	47.43	11.2	248.8	41.5	24.5	17.07	2.432	Caution - Monitor Closely
4,025.0	4,010.3	4,028.9	4,004.3	10.3	9.7	45.63	11.8	253.9	42.7	25.3	17.37	2.457	Caution - Monitor Closely
4,050.0	4,035.0	4,053.9	4,028.7	10.4	9.8	43.92	12.5	259.1	43.8	26.2	17.66	2.483	Caution - Monitor Closely
4,075.0	4,059.8	4,078.8	4,053.1	10.5	9.9	42.30	13.1	264.2	45.0	27.1	17.95	2.510	Normal Operations
4,100.0	4,084.5	4,103.8	4,077.5	10.6	10.0	40.76	13.8	269.4	46.3	28.1	18.24	2.538	Normal Operations
4,125.0	4,109.3	4,128.7	4,101.8	10.7	10.1	39.31	14.4	274.5	47.6	29.0	18.53	2.567	Normal Operations
4,150.0	4,134.1	4,153.6	4,126.2	10.8	10.2	37.93	15.0	279.7	48.9	30.1	18.82	2.597	Normal Operations
4,175.0	4,158.8	4,178.6	4,150.6	10.9	10.3	36.63	15.7	284.8	50.2	31.1	19.11	2.628	Normal Operations
4,200.0	4,183.6	4,203.5	4,175.0	11.0	10.4	35.39	16.3	290.0	51.6	32.2	19.39	2.660	Normal Operations
4,225.0	4,208.3	4,228.5	4,199.4	11.1	10.5	34.22	17.0	295.1	52.9	33.3	19.67	2.692	Normal Operations
4,250.0	4,233.1	4,253.4	4,223.8	11.2	10.6	33.10	17.6	300.2	54.3	34.4	19.95	2.724	Normal Operations
4,275.0	4,257.8	4,278.3	4,248.2	11.3	10.7	32.05	18.3	305.4	55.8	35.5	20.22	2.758	Normal Operations
4,300.0	4,282.6	4,303.3	4,272.6	11.4	10.8	31.04	18.9	310.5	57.2	36.7	20.49	2.791	Normal Operations
4,325.0	4,307.4	4,328.2	4,297.0	11.5	10.9	30.09	19.6	315.7	58.7	37.9	20.76	2.826	Normal Operations
4,350.0	4,332.1	4,353.2	4,321.4	11.6	11.0	29.18	20.2	320.8	60.1	39.1	21.02	2.861	Normal Operations
4,365.6	4,347.6	4,368.7	4,336.6	11.6	11.0	28.64	20.6	324.0	61.1	39.9	21.18	2.883	Normal Operations
4,375.0	4,356.9	4,378.1	4,345.8	11.7	11.1	28.31	20.9	326.0	61.6	40.3	21.28	2.896	Normal Operations
4,400.0	4,381.6	4,403.0	4,370.2	11.7	11.2	27.46	21.5	331.1	63.2	41.7	21.53	2.935	Normal Operations
4,425.0	4,406.4	4,427.9	4,394.6	11.8	11.3	26.60	22.1	336.3	64.9	43.1	21.80	2.977	Normal Operations
4,450.0	4,431.2	4,452.9	4,418.9	11.9	11.4	25.75	22.8	341.4	66.7	44.6	22.07	3.023	
4,475.0	4,456.0	4,477.8	4,443.3	12.0	11.5	24.90	23.4	346.5	68.6	46.3	22.33	3.072	
4,500.0	4,480.9	4,502.7	4,467.6	12.1	11.6	24.07	24.1	351.7	70.6	48.0	22.60	3.126	
4,525.0	4,505.7	4,527.6	4,492.0	12.2	11.7	23.25	24.7	356.8	72.8	49.9	22.87	3.183	
4,550.0	4,530.5	4,552.4	4,516.3	12.3	11.8	22.44	25.4	361.9	75.1	51.9	23.13	3.245	
4,575.0	4,555.4	4,577.3	4,540.6	12.4	11.9	21.65	26.0	367.1	77.4	54.0	23.39	3.310	
4,600.0	4,580.3	4,602.1	4,564.9	12.5	12.0	20.88	26.6	372.2	79.9	56.3	23.66	3.379	
4,625.0	4,605.2	4,627.0	4,589.2	12.6	12.1	20.14	27.3	377.3	82.5	58.6	23.91	3.451	
4,650.0	4,630.1	4,651.8	4,613.5	12.7	12.2	19.41	27.9	382.4	85.3	61.1	24.17	3.528	
4,675.0	4,655.0	4,676.6	4,637.8	12.8	12.4	18.71	28.6	387.6	88.1	63.7	24.42	3.607	
4,700.0	4,679.9	4,701.4	4,662.1	12.9	12.5	18.03	29.2	392.7	91.0	66.4	24.67	3.690	
4,725.0	4,704.8	4,726.2	4,686.3	13.0	12.6	17.38	29.9	397.8	94.1	69.2	24.92	3.777	
4,750.0	4,729.7	4,751.0	4,710.5	13.1	12.7	16.74	30.5	402.9	97.3	72.1	25.16	3.867	
4,775.0	4,754.7	4,775.8	4,734.8	13.2	12.8	16.13	31.1	408.0	100.6	75.2	25.40	3.961	
4,800.0	4,779.6	4,800.5	4,759.0	13.3	12.9	15.55	31.8	413.1	104.0	78.4	25.64	4.057	
4,825.0	4,804.6	4,825.2	4,783.1	13.4	13.0	14.98	32.4	418.2	107.5	81.7	25.87	4.157	
4,850.0	4,829.5	4,849.9	4,807.3	13.4	13.1	14.44	33.1	423.3	111.2	85.1	26.10	4.260	
4,875.0	4,854.5	4,874.6	4,831.5	13.5	13.2	13.92	33.7	428.4	114.9	88.6	26.33	4.366	
4,900.0	4,879.5	4,899.3	4,855.6	13.6	13.3	13.43	34.3	433.5	118.8	92.3	26.55	4.475	
4,925.0	4,904.4	4,924.0	4,879.7	13.7	13.4	12.95	35.0	438.6	122.8	96.0	26.77	4.587	
4,950.0	4,929.4	4,948.6	4,903.8	13.8	13.5	12.49	35.6	443.7	126.9	99.9	26.99	4.702	
4,975.0	4,954.4	4,973.2	4,927.9	13.9	13.6	12.05	36.2	448.7	131.1	103.9	27.20	4.820	
5,000.0	4,979.4	4,997.8	4,952.0	13.9	13.7	11.63	36.9	453.8	135.4	108.0	27.42	4.940	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,025.0	5,004.4	5,022.4	4,976.0	14.0	13.8	11.23	37.5	458.9	139.9	112.3	27.62	5.065	
5,050.0	5,029.4	5,047.0	5,000.1	14.1	14.0	10.84	38.2	464.0	144.4	116.6	27.82	5.192	
5,075.0	5,054.4	5,071.5	5,024.1	14.1	14.1	10.47	38.8	469.0	149.1	121.1	28.02	5.321	
5,100.0	5,079.4	5,096.0	5,048.1	14.2	14.2	10.12	39.4	474.1	153.9	125.6	28.22	5.453	
5,125.0	5,104.4	5,120.5	5,072.0	14.2	14.3	9.78	40.1	479.1	158.7	130.4	28.38	5.593	
5,150.0	5,129.4	5,145.0	5,096.0	14.3	14.4	9.45	40.7	484.2	163.7	135.2	28.54	5.737	
5,165.6	5,145.0	5,160.3	5,110.9	14.3	14.5	93.13	41.1	487.3	166.9	138.3	28.64	5.827	
5,175.0	5,154.4	5,169.5	5,119.9	14.3	14.5	93.01	41.3	489.2	168.8	140.1	28.69	5.884	
5,200.0	5,179.4	5,193.9	5,143.8	14.3	14.6	92.71	42.0	494.3	173.9	145.1	28.82	6.035	
5,225.0	5,204.4	5,218.4	5,167.7	14.3	14.7	92.42	42.6	499.3	179.1	150.1	28.97	6.182	
5,250.0	5,229.4	5,242.8	5,191.6	14.3	14.8	92.16	43.2	504.4	184.2	155.1	29.11	6.329	
5,275.0	5,254.4	5,267.3	5,215.6	14.3	14.9	91.90	43.9	509.4	189.3	160.1	29.24	6.474	
5,300.0	5,279.4	5,291.8	5,239.5	14.4	15.0	91.66	44.5	514.4	194.5	165.1	29.38	6.619	
5,325.0	5,304.4	5,316.2	5,263.4	14.4	15.1	91.43	45.1	519.5	199.6	170.1	29.52	6.762	
5,350.0	5,329.4	5,340.7	5,287.3	14.4	15.3	91.22	45.7	524.5	204.8	175.1	29.66	6.904	
5,375.0	5,354.4	5,365.1	5,311.2	14.4	15.4	91.01	46.4	529.6	209.9	180.1	29.80	7.045	
5,400.0	5,379.4	5,389.6	5,335.2	14.4	15.5	90.81	47.0	534.6	215.1	185.1	29.93	7.184	
5,425.0	5,404.4	5,414.0	5,359.1	14.4	15.6	90.63	47.6	539.7	220.2	190.1	30.07	7.323	
5,450.0	5,429.4	5,438.5	5,383.0	14.4	15.7	90.45	48.3	544.7	225.4	195.2	30.21	7.460	
5,475.0	5,454.4	5,462.9	5,406.9	14.5	15.8	90.28	48.9	549.8	230.5	200.2	30.34	7.596	
5,500.0	5,479.4	5,487.4	5,430.8	14.5	15.9	90.11	49.5	554.8	235.7	205.2	30.48	7.732	
5,525.0	5,504.4	5,511.8	5,454.8	14.5	16.0	89.96	50.2	559.8	240.8	210.2	30.62	7.866	
5,550.0	5,529.4	5,536.3	5,478.7	14.5	16.1	89.81	50.8	564.9	246.0	215.2	30.75	7.998	
5,575.0	5,554.4	5,560.7	5,502.6	14.5	16.2	89.66	51.4	569.9	251.2	220.3	30.89	8.130	
5,600.0	5,579.4	5,585.2	5,526.5	14.5	16.4	89.53	52.1	575.0	256.3	225.3	31.03	8.261	
5,625.0	5,604.4	5,609.6	5,550.4	14.5	16.5	89.39	52.7	580.0	261.5	230.3	31.16	8.390	
5,650.0	5,629.4	5,634.1	5,574.4	14.6	16.6	89.27	53.3	585.1	266.6	235.3	31.30	8.519	
5,675.0	5,654.4	5,658.6	5,598.3	14.6	16.7	89.14	54.0	590.1	271.8	240.4	31.44	8.646	
5,700.0	5,679.4	5,683.0	5,622.2	14.6	16.8	89.03	54.6	595.2	277.0	245.4	31.58	8.772	
5,725.0	5,704.4	5,707.5	5,646.1	14.6	16.9	88.91	55.2	600.2	282.1	250.4	31.71	8.897	
5,750.0	5,729.4	5,731.9	5,670.0	14.6	17.0	88.80	55.9	605.2	287.3	255.5	31.85	9.021	
5,775.0	5,754.4	5,756.4	5,694.0	14.6	17.1	88.70	56.5	610.3	292.5	260.5	31.99	9.144	
5,800.0	5,779.4	5,780.8	5,717.9	14.6	17.2	88.60	57.1	615.3	297.7	265.5	32.12	9.266	
5,825.0	5,804.4	5,805.3	5,741.8	14.6	17.3	88.50	57.8	620.4	302.8	270.6	32.26	9.387	
5,850.0	5,829.4	5,829.7	5,765.7	14.7	17.5	88.40	58.4	625.4	308.0	275.6	32.40	9.507	
5,875.0	5,854.4	5,854.2	5,789.6	14.7	17.6	88.31	59.0	630.5	313.2	280.6	32.54	9.625	
5,900.0	5,879.4	5,878.6	5,813.6	14.7	17.7	88.22	59.7	635.5	318.4	285.7	32.68	9.743	
5,925.0	5,904.4	5,903.1	5,837.5	14.7	17.8	88.14	60.3	640.6	323.5	290.7	32.81	9.860	
5,950.0	5,929.4	5,927.5	5,861.4	14.7	17.9	88.05	60.9	645.6	328.7	295.8	32.95	9.975	
5,975.0	5,954.4	5,952.0	5,885.3	14.7	18.0	87.97	61.6	650.6	333.9	300.8	33.09	10.090	
6,000.0	5,979.4	5,976.5	5,909.2	14.7	18.1	87.89	62.2	655.7	339.1	305.8	33.23	10.204	
6,025.0	6,004.4	6,000.9	5,933.1	14.8	18.2	87.82	62.8	660.7	344.2	310.9	33.37	10.316	
6,050.0	6,029.4	6,025.4	5,957.1	14.8	18.3	87.74	63.5	665.8	349.4	315.9	33.51	10.428	
6,075.0	6,054.4	6,049.8	5,981.0	14.8	18.5	87.67	64.1	670.8	354.6	321.0	33.65	10.539	
6,100.0	6,079.4	6,074.3	6,004.9	14.8	18.6	87.60	64.7	675.9	359.8	326.0	33.79	10.649	
6,125.0	6,104.4	6,098.7	6,028.8	14.8	18.7	87.53	65.4	680.9	365.0	331.0	33.93	10.757	
6,150.0	6,129.4	6,123.2	6,052.7	14.8	18.8	87.47	66.0	686.0	370.1	336.1	34.07	10.865	
6,175.0	6,154.4	6,147.6	6,076.7	14.8	18.9	87.41	66.6	691.0	375.3	341.1	34.21	10.972	
6,200.0	6,179.4	6,172.1	6,100.6	14.9	19.0	87.34	67.3	696.0	380.5	346.2	34.35	11.078	
6,225.0	6,204.4	6,196.5	6,124.5	14.9	19.1	87.28	67.9	701.1	385.7	351.2	34.49	11.183	
6,250.0	6,229.4	6,221.0	6,148.4	14.9	19.2	87.22	68.5	706.1	390.9	356.2	34.63	11.288	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,245.4	6,172.3	14.9	19.3	87.17	69.2	711.2	396.1	361.3	34.77	11.391	
6,300.0	6,279.4	6,269.9	6,196.3	14.9	19.5	87.11	69.8	716.2	401.2	366.3	34.91	11.493	
6,325.0	6,304.4	6,294.4	6,220.2	14.9	19.6	87.06	70.4	721.3	406.4	371.4	35.05	11.595	
6,350.0	6,329.4	6,318.8	6,244.1	14.9	19.7	87.00	71.1	726.3	411.6	376.4	35.19	11.697	
6,375.0	6,354.4	6,343.3	6,268.0	15.0	19.8	86.95	71.7	731.4	416.8	381.5	35.33	11.798	
6,400.0	6,379.4	6,367.7	6,291.9	15.0	19.9	86.90	72.3	736.4	422.0	386.5	35.47	11.898	
6,425.0	6,404.4	6,395.2	6,318.9	15.0	20.0	86.85	73.0	742.0	427.1	391.5	35.62	11.990	
6,450.0	6,429.4	6,422.9	6,346.0	15.0	20.1	86.80	73.7	747.4	432.0	396.2	35.78	12.073	
6,475.0	6,454.4	6,450.5	6,373.1	15.0	20.3	86.75	74.3	752.6	436.7	400.8	35.94	12.151	
6,500.0	6,479.4	6,478.3	6,400.4	15.0	20.4	86.70	75.0	757.7	441.3	405.2	36.10	12.224	
6,525.0	6,504.4	6,506.1	6,427.8	15.0	20.5	86.66	75.6	762.5	445.7	409.4	36.26	12.292	
6,550.0	6,529.4	6,534.0	6,455.3	15.1	20.6	86.62	76.2	767.2	449.9	413.5	36.41	12.355	
6,575.0	6,554.4	6,562.0	6,482.9	15.1	20.8	86.58	76.7	771.7	453.9	417.4	36.57	12.414	
6,600.0	6,579.4	6,590.1	6,510.6	15.1	20.9	86.54	77.3	776.0	457.8	421.1	36.72	12.468	
6,625.0	6,604.4	6,618.2	6,538.4	15.1	21.0	86.51	77.8	780.1	461.4	424.6	36.86	12.518	
6,650.0	6,629.4	6,646.3	6,566.3	15.1	21.1	86.48	78.3	784.0	464.9	427.9	37.01	12.563	
6,675.0	6,654.4	6,674.5	6,594.3	15.1	21.3	86.45	78.7	787.7	468.2	431.1	37.15	12.604	
6,700.0	6,679.4	6,702.8	6,622.4	15.1	21.4	86.42	79.2	791.2	471.4	434.1	37.29	12.640	
6,725.0	6,704.4	6,731.1	6,650.5	15.2	21.5	86.40	79.6	794.5	474.3	436.9	37.42	12.673	
6,750.0	6,729.4	6,759.5	6,678.7	15.2	21.6	86.38	80.0	797.6	477.0	439.5	37.56	12.702	
6,775.0	6,754.4	6,787.9	6,707.0	15.2	21.7	86.35	80.4	800.5	479.6	441.9	37.69	12.726	
6,800.0	6,779.4	6,816.4	6,735.3	15.2	21.8	86.33	80.7	803.2	482.0	444.2	37.81	12.747	
6,825.0	6,804.4	6,844.9	6,763.7	15.2	22.0	86.32	81.0	805.7	484.2	446.3	37.93	12.764	
6,850.0	6,829.4	6,873.4	6,792.1	15.2	22.1	86.30	81.3	808.0	486.2	448.2	38.05	12.777	
6,875.0	6,854.4	6,902.0	6,820.6	15.2	22.2	86.28	81.6	810.0	488.0	449.9	38.17	12.785	
6,900.0	6,879.4	6,930.6	6,849.1	15.3	22.3	86.27	81.8	811.9	489.7	451.4	38.28	12.793	
6,925.0	6,904.4	6,959.2	6,877.7	15.3	22.4	86.26	82.0	813.6	491.1	452.8	38.38	12.796	
6,950.0	6,929.4	6,987.9	6,906.3	15.3	22.5	86.25	82.2	815.0	492.4	453.9	38.49	12.794	
6,975.0	6,954.4	7,016.6	6,935.0	15.3	22.6	86.24	82.3	816.2	493.5	454.9	38.58	12.791	
7,000.0	6,979.4	7,045.2	6,963.7	15.3	22.7	86.23	82.5	817.3	494.4	455.7	38.66	12.786	
7,025.0	7,004.4	7,073.9	6,992.3	15.3	22.7	86.23	82.6	818.1	495.1	456.3	38.75	12.777	
7,050.0	7,029.4	7,102.7	7,021.0	15.3	22.8	86.22	82.6	818.7	495.6	456.8	38.83	12.765	
7,075.0	7,054.4	7,131.4	7,049.8	15.4	22.9	86.22	82.7	819.0	495.9	457.1	38.85	12.765	
7,100.0	7,079.4	7,160.1	7,078.5	15.4	22.9	86.22	82.7	819.2	496.1	457.2	38.87	12.761	
7,125.0	7,104.4	7,186.1	7,104.5	15.4	22.9	86.22	82.7	819.2	496.1	457.2	38.89	12.756	
7,150.0	7,129.4	7,211.1	7,129.5	15.4	22.9	86.22	82.7	819.2	496.1	457.2	38.91	12.750	
7,175.0	7,154.4	7,236.1	7,154.5	15.4	22.9	86.22	82.7	819.2	496.1	457.1	38.93	12.743	
7,200.0	7,179.4	7,261.1	7,179.5	15.4	22.9	86.22	82.7	819.2	496.1	457.1	38.95	12.736	
7,225.0	7,204.4	7,286.1	7,204.5	15.4	23.0	86.22	82.7	819.2	496.1	457.1	38.97	12.729	
7,250.0	7,229.4	7,311.1	7,229.5	15.5	23.0	86.22	82.7	819.2	496.1	457.1	39.00	12.722	
7,275.0	7,254.4	7,336.1	7,254.5	15.5	23.0	86.22	82.7	819.2	496.1	457.1	39.02	12.714	
7,300.0	7,279.4	7,361.1	7,279.5	15.5	23.0	86.22	82.7	819.2	496.1	457.0	39.04	12.707	
7,325.0	7,304.4	7,386.1	7,304.5	15.5	23.0	86.22	82.7	819.2	496.1	457.0	39.06	12.700	
7,350.0	7,329.4	7,411.1	7,329.5	15.5	23.0	86.22	82.7	819.2	496.1	457.0	39.08	12.693	
7,375.0	7,354.4	7,436.1	7,354.5	15.5	23.0	86.22	82.7	819.2	496.1	457.0	39.10	12.686	
7,400.0	7,379.4	7,461.1	7,379.5	15.6	23.0	86.22	82.7	819.2	496.1	457.0	39.13	12.679	
7,425.0	7,404.4	7,486.1	7,404.5	15.6	23.0	86.22	82.7	819.2	496.1	456.9	39.15	12.672	
7,450.0	7,429.4	7,511.1	7,429.5	15.6	23.0	86.22	82.7	819.2	496.1	456.9	39.17	12.665	
7,475.0	7,454.4	7,536.1	7,454.5	15.6	23.0	86.22	82.7	819.2	496.1	456.9	39.19	12.658	
7,500.0	7,479.4	7,561.1	7,479.5	15.6	23.1	86.22	82.7	819.2	496.1	456.9	39.21	12.651	
7,525.0	7,504.4	7,586.1	7,504.5	15.6	23.1	86.22	82.7	819.2	496.1	456.8	39.24	12.644	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,611.1	7,529.5	15.6	23.1	86.22	82.7	819.2	496.1	456.8	39.26	12.636	
7,575.0	7,554.4	7,636.1	7,554.5	15.7	23.1	86.22	82.7	819.2	496.1	456.8	39.28	12.629	
7,600.0	7,579.4	7,661.1	7,579.5	15.7	23.1	86.22	82.7	819.2	496.1	456.8	39.30	12.622	
7,625.0	7,604.4	7,686.1	7,604.5	15.7	23.1	86.22	82.7	819.2	496.1	456.8	39.32	12.615	
7,650.0	7,629.4	7,711.1	7,629.5	15.7	23.1	86.22	82.7	819.2	496.1	456.7	39.35	12.608	
7,675.0	7,654.4	7,736.1	7,654.5	15.7	23.1	86.22	82.7	819.2	496.1	456.7	39.37	12.601	
7,700.0	7,679.4	7,761.1	7,679.5	15.7	23.1	86.22	82.7	819.2	496.1	456.7	39.39	12.594	
7,725.0	7,704.4	7,786.1	7,704.5	15.7	23.1	86.22	82.7	819.2	496.1	456.7	39.41	12.587	
7,750.0	7,729.4	7,811.1	7,729.5	15.8	23.1	86.22	82.7	819.2	496.1	456.6	39.44	12.580	
7,775.0	7,754.4	7,836.1	7,754.5	15.8	23.2	86.22	82.7	819.2	496.1	456.6	39.46	12.572	
7,800.0	7,779.4	7,861.1	7,779.5	15.8	23.2	86.22	82.7	819.2	496.1	456.6	39.48	12.565	
7,825.0	7,804.4	7,886.1	7,804.5	15.8	23.2	86.22	82.7	819.2	496.1	456.6	39.50	12.558	
7,850.0	7,829.4	7,911.1	7,829.5	15.8	23.2	86.22	82.7	819.2	496.1	456.6	39.52	12.551	
7,875.0	7,854.4	7,936.1	7,854.5	15.8	23.2	86.22	82.7	819.2	496.1	456.5	39.55	12.544	
7,900.0	7,879.4	7,961.1	7,879.5	15.8	23.2	86.22	82.7	819.2	496.1	456.5	39.57	12.537	
7,925.0	7,904.4	7,986.1	7,904.5	15.9	23.2	86.22	82.7	819.2	496.1	456.5	39.59	12.530	
7,950.0	7,929.4	8,011.1	7,929.5	15.9	23.2	86.22	82.7	819.2	496.1	456.5	39.61	12.523	
7,975.0	7,954.4	8,036.1	7,954.5	15.9	23.2	86.22	82.7	819.2	496.1	456.4	39.64	12.515	
8,000.0	7,979.4	8,061.1	7,979.5	15.9	23.2	86.22	82.7	819.2	496.1	456.4	39.66	12.508	
8,025.0	8,004.4	8,086.1	8,004.5	15.9	23.2	86.22	82.7	819.2	496.1	456.4	39.68	12.501	
8,050.0	8,029.4	8,111.1	8,029.5	15.9	23.3	86.22	82.7	819.2	496.1	456.4	39.71	12.494	
8,075.0	8,054.4	8,136.1	8,054.5	16.0	23.3	86.22	82.7	819.2	496.1	456.4	39.73	12.487	
8,100.0	8,079.4	8,161.1	8,079.5	16.0	23.3	86.22	82.7	819.2	496.1	456.3	39.75	12.480	
8,125.0	8,104.4	8,186.1	8,104.5	16.0	23.3	86.22	82.7	819.2	496.1	456.3	39.77	12.473	
8,150.0	8,129.4	8,211.1	8,129.5	16.0	23.3	86.22	82.7	819.2	496.1	456.3	39.80	12.466	
8,175.0	8,154.4	8,236.1	8,154.5	16.0	23.3	86.22	82.7	819.2	496.1	456.3	39.82	12.458	
8,200.0	8,179.4	8,261.1	8,179.5	16.0	23.3	86.22	82.7	819.2	496.1	456.2	39.84	12.451	
8,225.0	8,204.4	8,286.1	8,204.5	16.0	23.3	86.22	82.7	819.2	496.1	456.2	39.86	12.444	
8,250.0	8,229.4	8,311.1	8,229.5	16.1	23.3	86.22	82.7	819.2	496.1	456.2	39.89	12.437	
8,275.0	8,254.4	8,336.1	8,254.5	16.1	23.3	86.22	82.7	819.2	496.1	456.2	39.91	12.430	
8,300.0	8,279.4	8,361.1	8,279.5	16.1	23.4	86.22	82.7	819.2	496.1	456.1	39.93	12.423	
8,325.0	8,304.4	8,386.1	8,304.5	16.1	23.4	86.22	82.7	819.2	496.1	456.1	39.96	12.416	
8,350.0	8,329.4	8,411.1	8,329.5	16.1	23.4	86.22	82.7	819.2	496.1	456.1	39.98	12.408	
8,375.0	8,354.4	8,436.1	8,354.5	16.1	23.4	86.22	82.7	819.2	496.1	456.1	40.00	12.401	
8,400.0	8,379.4	8,461.1	8,379.5	16.2	23.4	86.22	82.7	819.2	496.1	456.1	40.03	12.394	
8,425.0	8,404.4	8,486.1	8,404.5	16.2	23.4	86.22	82.7	819.2	496.1	456.0	40.05	12.387	
8,450.0	8,429.4	8,511.1	8,429.5	16.2	23.4	86.22	82.7	819.2	496.1	456.0	40.07	12.380	
8,475.0	8,454.4	8,536.1	8,454.5	16.2	23.4	86.22	82.7	819.2	496.1	456.0	40.09	12.373	
8,500.0	8,479.4	8,561.1	8,479.5	16.2	23.4	86.22	82.7	819.2	496.1	456.0	40.12	12.366	
8,525.0	8,504.4	8,586.1	8,504.5	16.2	23.4	86.22	82.7	819.2	496.1	455.9	40.14	12.359	
8,550.0	8,529.4	8,611.1	8,529.5	16.2	23.4	86.22	82.7	819.2	496.1	455.9	40.16	12.351	
8,575.0	8,554.4	8,636.1	8,554.5	16.3	23.5	86.22	82.7	819.2	496.1	455.9	40.19	12.344	
8,600.0	8,579.4	8,661.1	8,579.5	16.3	23.5	86.22	82.7	819.2	496.1	455.9	40.21	12.337	
8,625.0	8,604.4	8,686.1	8,604.5	16.3	23.5	86.22	82.7	819.2	496.1	455.8	40.23	12.330	
8,650.0	8,629.4	8,711.1	8,629.5	16.3	23.5	86.22	82.7	819.2	496.1	455.8	40.26	12.323	
8,675.0	8,654.4	8,736.1	8,654.5	16.3	23.5	86.22	82.7	819.2	496.1	455.8	40.28	12.316	
8,700.0	8,679.4	8,761.1	8,679.5	16.3	23.5	86.22	82.7	819.2	496.1	455.8	40.30	12.309	
8,725.0	8,704.4	8,786.1	8,704.5	16.4	23.5	86.22	82.7	819.2	496.1	455.8	40.33	12.301	
8,750.0	8,729.4	8,811.1	8,729.5	16.4	23.5	86.22	82.7	819.2	496.1	455.7	40.35	12.294	
8,775.0	8,754.4	8,836.1	8,754.5	16.4	23.5	86.22	82.7	819.2	496.1	455.7	40.37	12.287	
8,800.0	8,779.4	8,861.1	8,779.5	16.4	23.5	86.22	82.7	819.2	496.1	455.7	40.40	12.280	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,886.1	8,804.5	16.4	23.6	86.22	82.7	819.2	496.1	455.7	40.42	12.273	
8,850.0	8,829.4	8,911.1	8,829.5	16.4	23.6	86.22	82.7	819.2	496.1	455.6	40.44	12.266	
8,875.0	8,854.4	8,936.1	8,854.5	16.4	23.6	86.22	82.7	819.2	496.1	455.6	40.47	12.259	
8,900.0	8,879.4	8,961.1	8,879.5	16.5	23.6	86.22	82.7	819.2	496.1	455.6	40.49	12.251	
8,925.0	8,904.4	8,986.1	8,904.5	16.5	23.6	86.22	82.7	819.2	496.1	455.6	40.51	12.244	
8,950.0	8,929.4	9,011.1	8,929.5	16.5	23.6	86.22	82.7	819.2	496.1	455.5	40.54	12.237	
8,975.0	8,954.4	9,036.1	8,954.5	16.5	23.6	86.22	82.7	819.2	496.1	455.5	40.56	12.230	
9,000.0	8,979.4	9,061.1	8,979.5	16.5	23.6	86.22	82.7	819.2	496.1	455.5	40.59	12.223	
9,025.0	9,004.4	9,086.1	9,004.5	16.5	23.6	86.22	82.7	819.2	496.1	455.5	40.61	12.216	
9,050.0	9,029.4	9,111.1	9,029.5	16.6	23.6	86.22	82.7	819.2	496.1	455.4	40.63	12.209	
9,075.0	9,054.4	9,136.1	9,054.5	16.6	23.7	86.22	82.7	819.2	496.1	455.4	40.66	12.202	
9,100.0	9,079.4	9,161.1	9,079.5	16.6	23.7	86.22	82.7	819.2	496.1	455.4	40.68	12.194	
9,125.0	9,104.4	9,186.1	9,104.5	16.6	23.7	86.22	82.7	819.2	496.1	455.4	40.70	12.187	
9,150.0	9,129.4	9,211.1	9,129.5	16.6	23.7	86.22	82.7	819.2	496.1	455.4	40.73	12.180	
9,175.0	9,154.4	9,236.1	9,154.5	16.6	23.7	86.22	82.7	819.2	496.1	455.3	40.75	12.173	
9,200.0	9,179.4	9,261.1	9,179.5	16.6	23.7	86.22	82.7	819.2	496.1	455.3	40.78	12.166	
9,225.0	9,204.4	9,286.1	9,204.5	16.7	23.7	86.22	82.7	819.2	496.1	455.3	40.80	12.159	
9,250.0	9,229.4	9,311.1	9,229.5	16.7	23.7	86.22	82.7	819.2	496.1	455.3	40.82	12.152	
9,275.0	9,254.4	9,336.1	9,254.5	16.7	23.7	86.22	82.7	819.2	496.1	455.2	40.85	12.145	
9,300.0	9,279.4	9,361.1	9,279.5	16.7	23.7	86.22	82.7	819.2	496.1	455.2	40.87	12.137	
9,325.0	9,304.4	9,386.1	9,304.5	16.7	23.8	86.22	82.7	819.2	496.1	455.2	40.90	12.130	
9,350.0	9,329.4	9,411.1	9,329.5	16.7	23.8	86.22	82.7	819.2	496.1	455.2	40.92	12.123	
9,375.0	9,354.4	9,436.1	9,354.5	16.8	23.8	86.22	82.7	819.2	496.1	455.1	40.94	12.116	
9,400.0	9,379.4	9,461.1	9,379.5	16.8	23.8	86.22	82.7	819.2	496.1	455.1	40.97	12.109	
9,425.0	9,404.4	9,486.1	9,404.5	16.8	23.8	86.22	82.7	819.2	496.1	455.1	40.99	12.102	
9,450.0	9,429.4	9,511.1	9,429.5	16.8	23.8	86.22	82.7	819.2	496.1	455.1	41.02	12.095	
9,475.0	9,454.4	9,536.1	9,454.5	16.8	23.8	86.22	82.7	819.2	496.1	455.0	41.04	12.088	
9,500.0	9,479.4	9,561.1	9,479.5	16.8	23.8	86.22	82.7	819.2	496.1	455.0	41.06	12.080	
9,525.0	9,504.4	9,586.1	9,504.5	16.8	23.8	86.22	82.7	819.2	496.1	455.0	41.09	12.073	
9,550.0	9,529.4	9,611.1	9,529.5	16.9	23.8	86.22	82.7	819.2	496.1	455.0	41.11	12.066	
9,575.0	9,554.4	9,636.1	9,554.5	16.9	23.9	86.22	82.7	819.2	496.1	454.9	41.14	12.059	
9,600.0	9,579.4	9,661.1	9,579.5	16.9	23.9	86.22	82.7	819.2	496.1	454.9	41.16	12.052	
9,625.0	9,604.4	9,686.1	9,604.5	16.9	23.9	86.22	82.7	819.2	496.1	454.9	41.19	12.045	
9,650.0	9,629.4	9,711.1	9,629.5	16.9	23.9	86.22	82.7	819.2	496.1	454.9	41.21	12.038	
9,675.0	9,654.4	9,736.1	9,654.5	16.9	23.9	86.22	82.7	819.2	496.1	454.8	41.23	12.031	
9,700.0	9,679.4	9,761.1	9,679.5	17.0	23.9	86.22	82.7	819.2	496.1	454.8	41.26	12.023	
9,725.0	9,704.4	9,786.1	9,704.5	17.0	23.9	86.22	82.7	819.2	496.1	454.8	41.28	12.016	
9,750.0	9,729.4	9,811.1	9,729.5	17.0	23.9	86.22	82.7	819.2	496.1	454.8	41.31	12.009	
9,775.0	9,754.4	9,836.1	9,754.5	17.0	23.9	86.22	82.7	819.2	496.1	454.7	41.33	12.002	
9,800.0	9,779.4	9,861.1	9,779.5	17.0	23.9	86.22	82.7	819.2	496.1	454.7	41.36	11.995	
9,825.0	9,804.4	9,886.1	9,804.5	17.0	24.0	86.22	82.7	819.2	496.1	454.7	41.38	11.988	
9,850.0	9,829.4	9,911.1	9,829.5	17.1	24.0	86.22	82.7	819.2	496.1	454.7	41.41	11.981	
9,875.0	9,854.4	9,936.1	9,854.5	17.1	24.0	86.22	82.7	819.2	496.1	454.6	41.43	11.974	
9,900.0	9,879.4	9,961.1	9,879.5	17.1	24.0	86.22	82.7	819.2	496.1	454.6	41.46	11.967	
9,925.0	9,904.4	9,986.1	9,904.5	17.1	24.0	86.22	82.7	819.2	496.1	454.6	41.48	11.960	
9,950.0	9,929.4	10,011.1	9,929.5	17.1	24.0	86.22	82.7	819.2	496.1	454.6	41.50	11.952	
9,975.0	9,954.4	10,036.1	9,954.5	17.1	24.0	86.22	82.7	819.2	496.1	454.5	41.53	11.945	
10,000.0	9,979.4	10,061.1	9,979.5	17.1	24.0	86.22	82.7	819.2	496.1	454.5	41.55	11.938	
10,025.0	10,004.4	10,086.1	10,004.5	17.2	24.0	86.22	82.7	819.2	496.1	454.5	41.58	11.931	
10,050.0	10,029.4	10,111.1	10,029.5	17.2	24.0	86.22	82.7	819.2	496.1	454.5	41.60	11.925	
10,075.0	10,054.4	10,136.1	10,054.5	17.2	24.1	86.22	82.7	819.2	496.1	454.5	41.62	11.919	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,075.3	10,054.7	10,136.4	10,054.8	17.2	24.1	86.22	82.7	819.2	496.1	454.5	41.62	11.919	
10,100.0	10,079.4	10,160.6	10,079.0	17.2	24.1	86.21	82.8	819.2	496.1	454.4	41.64	11.913	
10,125.0	10,104.4	10,184.0	10,102.3	17.2	24.1	86.11	83.7	819.2	496.1	454.5	41.68	11.905	
10,150.0	10,129.4	10,207.2	10,125.5	17.2	24.1	85.87	85.8	819.2	496.3	454.6	41.71	11.898	
10,175.0	10,154.4	10,230.2	10,148.2	17.3	24.1	85.51	88.9	819.2	496.6	454.8	41.76	11.891	
10,200.0	10,179.4	10,252.8	10,170.5	17.3	24.1	85.03	93.1	819.2	496.9	455.1	41.81	11.886	
10,225.0	10,204.4	10,275.0	10,192.1	17.3	24.1	84.44	98.2	819.2	497.5	455.6	41.87	11.882	
10,250.0	10,229.4	10,296.6	10,212.9	17.3	24.1	83.76	104.1	819.2	498.2	456.3	41.93	11.881	
10,275.0	10,254.4	10,317.7	10,232.9	17.3	24.1	83.00	110.8	819.2	499.2	457.2	42.00	11.885	
10,300.0	10,279.4	10,338.1	10,251.9	17.3	24.1	82.17	118.1	819.2	500.4	458.3	42.07	11.894	
10,307.2	10,286.6	10,343.9	10,257.2	17.4	24.1	81.92	120.3	819.2	500.8	458.7	42.09	11.898	
10,325.0	10,304.4	10,358.0	10,270.1	17.4	24.1	81.24	126.0	819.1	501.9	459.7	42.14	11.908	
10,350.0	10,329.3	10,377.6	10,287.8	17.4	24.1	80.22	134.5	819.1	503.5	461.3	42.20	11.930	
10,375.0	10,354.1	10,396.9	10,304.8	17.4	24.1	79.22	143.6	819.1	505.3	463.0	42.26	11.955	
10,400.0	10,378.8	10,416.1	10,321.4	17.4	24.1	78.24	153.3	819.1	507.1	464.8	42.32	11.983	
10,425.0	10,403.2	10,435.0	10,337.3	17.4	24.1	77.30	163.5	819.1	509.0	466.6	42.38	12.012	
10,450.0	10,427.2	10,453.8	10,352.7	17.4	24.1	76.38	174.2	819.1	511.0	468.6	42.43	12.042	
10,475.0	10,450.9	10,475.0	10,369.6	17.4	24.1	75.41	187.1	819.1	513.1	470.6	42.48	12.079	
10,500.0	10,474.2	10,490.8	10,381.8	17.4	24.1	74.65	197.2	819.1	515.1	472.5	42.55	12.105	
10,525.0	10,496.9	10,509.1	10,395.5	17.4	24.1	73.84	209.4	819.1	517.2	474.6	42.61	12.136	
10,550.0	10,519.0	10,525.0	10,406.9	17.4	24.1	73.13	220.3	819.0	519.2	476.5	42.69	12.162	
10,575.0	10,540.5	10,545.4	10,421.1	17.4	24.1	72.33	234.9	819.0	521.3	478.5	42.74	12.195	
10,600.0	10,561.3	10,563.3	10,433.1	17.4	24.1	71.63	248.3	819.0	523.3	480.4	42.81	12.223	
10,625.0	10,581.4	10,581.2	10,444.5	17.4	24.1	70.97	262.0	819.0	525.2	482.3	42.88	12.249	
10,650.0	10,600.7	10,600.0	10,456.0	17.4	24.1	70.33	277.0	819.0	527.1	484.1	42.94	12.275	
10,675.0	10,619.0	10,616.6	10,465.6	17.4	24.1	69.77	290.5	819.0	528.9	485.9	43.01	12.295	
10,700.0	10,636.5	10,634.2	10,475.2	17.4	24.1	69.24	305.2	818.9	530.6	487.5	43.08	12.315	
10,725.0	10,653.0	10,650.0	10,483.5	17.4	24.1	68.78	318.7	818.9	532.2	489.0	43.16	12.330	
10,750.0	10,668.6	10,669.2	10,492.8	17.4	24.2	68.30	335.4	818.9	533.7	490.4	43.22	12.347	
10,775.0	10,683.0	10,686.6	10,500.7	17.5	24.2	67.90	350.9	818.9	535.0	491.7	43.29	12.359	
10,800.0	10,696.4	10,703.9	10,508.1	17.5	24.2	67.54	366.7	818.9	536.2	492.9	43.36	12.368	
10,825.0	10,708.7	10,725.0	10,516.2	17.5	24.2	67.19	386.1	818.8	537.4	493.9	43.41	12.378	
10,850.0	10,719.8	10,738.5	10,520.9	17.5	24.2	66.96	398.8	818.8	538.3	494.8	43.49	12.378	
10,875.0	10,729.7	10,755.8	10,526.4	17.5	24.2	66.73	415.1	818.8	539.1	495.5	43.55	12.379	
10,900.0	10,738.4	10,775.0	10,531.9	17.6	24.2	66.54	433.5	818.8	539.7	496.1	43.60	12.378	
10,925.0	10,745.8	10,790.2	10,535.7	17.6	24.2	66.42	448.2	818.8	540.2	496.5	43.66	12.373	
10,950.0	10,752.0	10,807.4	10,539.4	17.6	24.3	66.33	465.0	818.8	540.5	496.8	43.71	12.366	
10,975.0	10,757.0	10,825.0	10,542.6	17.6	24.3	66.29	482.3	818.7	540.7	496.9	43.76	12.357	
11,000.0	10,760.6	10,841.7	10,545.1	17.7	24.3	66.29	498.9	818.7	540.7	496.9	43.80	12.344	
11,025.0	10,762.9	10,858.9	10,547.0	17.7	24.3	66.34	516.0	818.7	540.5	496.7	43.84	12.330	
11,050.0	10,764.0	10,875.0	10,548.2	17.8	24.3	66.42	532.0	818.7	540.2	496.3	43.87	12.313	
11,052.3	10,764.0	10,875.0	10,548.2	17.8	24.3	66.43	532.0	818.7	540.1	496.3	43.87	12.313	
11,075.0	10,764.2	10,893.3	10,548.9	17.8	24.4	66.48	550.3	818.7	539.9	496.0	43.91	12.297	
11,082.4	10,764.3	10,898.5	10,549.0	17.8	24.4	66.48	555.5	818.6	539.9	496.0	43.92	12.293	
11,100.0	10,764.5	10,916.0	10,549.2	17.8	24.4	66.48	573.0	818.6	539.9	495.9	43.97	12.279	
11,125.0	10,764.7	10,941.0	10,549.4	17.9	24.4	66.48	598.0	818.6	539.9	495.8	44.05	12.257	
11,150.0	10,765.0	10,966.0	10,549.7	18.0	24.5	66.48	623.0	818.6	539.9	495.8	44.13	12.234	
11,175.0	10,765.3	10,991.0	10,549.9	18.0	24.5	66.48	648.0	818.5	539.9	495.7	44.21	12.212	
11,200.0	10,765.5	11,016.0	10,550.2	18.1	24.5	66.48	673.0	818.5	539.9	495.6	44.30	12.188	
11,225.0	10,765.8	11,041.0	10,550.4	18.1	24.6	66.48	698.0	818.5	539.9	495.5	44.39	12.162	
11,250.0	10,766.0	11,066.0	10,550.6	18.2	24.6	66.48	723.0	818.5	539.9	495.4	44.49	12.136	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
11,275.0	10,766.3	11,091.0	10,550.9	18.3	24.7	66.48	748.0	818.4	539.9	495.3	44.58	12.110	
11,300.0	10,766.5	11,116.0	10,551.1	18.3	24.7	66.48	773.0	818.4	539.9	495.2	44.68	12.084	
11,325.0	10,766.8	11,141.0	10,551.4	18.4	24.8	66.47	798.0	818.4	539.9	495.1	44.79	12.054	
11,350.0	10,767.0	11,166.0	10,551.6	18.5	24.8	66.47	822.9	818.3	539.9	495.0	44.90	12.025	
11,375.0	10,767.3	11,191.0	10,551.9	18.5	24.9	66.47	847.9	818.3	539.9	494.9	45.01	11.997	
11,400.0	10,767.6	11,216.0	10,552.1	18.6	25.0	66.47	872.9	818.3	539.9	494.8	45.12	11.967	
11,425.0	10,767.8	11,241.0	10,552.4	18.7	25.0	66.47	897.9	818.2	539.9	494.7	45.24	11.935	
11,450.0	10,768.1	11,266.0	10,552.6	18.8	25.1	66.47	922.9	818.2	539.9	494.6	45.36	11.903	
11,475.0	10,768.3	11,291.0	10,552.9	18.9	25.1	66.47	947.9	818.2	539.9	494.5	45.48	11.871	
11,500.0	10,768.6	11,316.0	10,553.1	19.0	25.2	66.47	972.9	818.2	539.9	494.3	45.61	11.838	
11,525.0	10,768.8	11,341.0	10,553.4	19.0	25.3	66.47	997.9	818.1	539.9	494.2	45.74	11.804	
11,550.0	10,769.1	11,366.0	10,553.6	19.1	25.3	66.47	1,022.9	818.1	539.9	494.1	45.88	11.770	
11,575.0	10,769.3	11,391.0	10,553.9	19.2	25.4	66.47	1,047.9	818.1	539.9	493.9	46.01	11.735	
11,600.0	10,769.6	11,416.0	10,554.1	19.3	25.5	66.46	1,072.9	818.0	540.0	493.8	46.15	11.700	
11,625.0	10,769.9	11,441.0	10,554.3	19.4	25.5	66.46	1,097.9	818.0	540.0	493.7	46.29	11.663	
11,650.0	10,770.1	11,466.0	10,554.6	19.5	25.6	66.46	1,122.9	818.0	540.0	493.5	46.44	11.627	
11,675.0	10,770.4	11,491.0	10,554.8	19.6	25.7	66.46	1,147.9	818.0	540.0	493.4	46.59	11.590	
11,700.0	10,770.6	11,516.0	10,555.1	19.7	25.8	66.46	1,172.9	817.9	540.0	493.2	46.74	11.553	
11,725.0	10,770.9	11,541.0	10,555.3	19.8	25.8	66.46	1,197.9	817.9	540.0	493.1	46.89	11.515	
11,750.0	10,771.1	11,566.0	10,555.6	19.9	25.9	66.46	1,222.9	817.9	540.0	492.9	47.05	11.476	
11,775.0	10,771.4	11,591.0	10,555.8	20.0	26.0	66.46	1,247.9	817.8	540.0	492.8	47.21	11.438	
11,800.0	10,771.6	11,616.0	10,556.1	20.1	26.1	66.46	1,272.9	817.8	540.0	492.6	47.37	11.399	
11,825.0	10,771.9	11,641.0	10,556.3	20.3	26.2	66.46	1,297.9	817.8	540.0	492.4	47.54	11.358	
11,850.0	10,772.2	11,666.0	10,556.6	20.4	26.3	66.46	1,322.9	817.8	540.0	492.3	47.71	11.318	
11,875.0	10,772.4	11,691.0	10,556.8	20.5	26.3	66.45	1,347.9	817.7	540.0	492.1	47.88	11.278	
11,900.0	10,772.7	11,716.0	10,557.1	20.6	26.4	66.45	1,372.9	817.7	540.0	491.9	48.05	11.238	
11,925.0	10,772.9	11,741.0	10,557.3	20.7	26.5	66.45	1,397.9	817.7	540.0	491.8	48.23	11.196	
11,950.0	10,773.2	11,766.0	10,557.5	20.8	26.6	66.45	1,422.9	817.6	540.0	491.6	48.41	11.155	
11,975.0	10,773.4	11,791.0	10,557.8	21.0	26.7	66.45	1,447.9	817.6	540.0	491.4	48.59	11.113	
12,000.0	10,773.7	11,816.0	10,558.0	21.1	26.8	66.45	1,472.9	817.6	540.0	491.2	48.77	11.072	
12,025.0	10,773.9	11,841.0	10,558.3	21.2	26.9	66.45	1,497.9	817.5	540.0	491.0	48.96	11.029	
12,050.0	10,774.2	11,866.0	10,558.5	21.3	27.0	66.45	1,522.9	817.5	540.0	490.9	49.15	10.986	
12,075.0	10,774.5	11,891.0	10,558.8	21.5	27.1	66.45	1,547.9	817.5	540.0	490.7	49.34	10.944	
12,100.0	10,774.7	11,916.0	10,559.0	21.6	27.2	66.45	1,572.9	817.5	540.0	490.5	49.54	10.901	
12,125.0	10,775.0	11,941.0	10,559.3	21.7	27.3	66.45	1,597.9	817.4	540.0	490.3	49.74	10.858	
12,150.0	10,775.2	11,966.0	10,559.5	21.8	27.4	66.44	1,622.9	817.4	540.0	490.1	49.94	10.814	
12,175.0	10,775.5	11,991.0	10,559.8	22.0	27.5	66.44	1,647.9	817.4	540.0	489.9	50.14	10.771	
12,200.0	10,775.7	12,016.0	10,560.0	22.1	27.6	66.44	1,672.9	817.3	540.0	489.7	50.34	10.728	
12,225.0	10,776.0	12,041.0	10,560.3	22.2	27.7	66.44	1,697.9	817.3	540.0	489.5	50.55	10.684	
12,250.0	10,776.2	12,066.0	10,560.5	22.4	27.8	66.44	1,722.9	817.3	540.0	489.3	50.76	10.640	
12,275.0	10,776.5	12,091.0	10,560.7	22.5	27.9	66.44	1,747.9	817.3	540.0	489.1	50.97	10.596	
12,300.0	10,776.8	12,116.0	10,561.0	22.7	28.1	66.44	1,772.9	817.2	540.1	488.9	51.18	10.552	
12,325.0	10,777.0	12,141.0	10,561.2	22.8	28.2	66.44	1,797.9	817.2	540.1	488.7	51.40	10.507	
12,350.0	10,777.3	12,166.0	10,561.5	22.9	28.3	66.44	1,822.9	817.2	540.1	488.4	51.62	10.463	
12,375.0	10,777.5	12,191.0	10,561.7	23.1	28.4	66.44	1,847.9	817.1	540.1	488.2	51.83	10.419	
12,400.0	10,777.8	12,216.0	10,562.0	23.2	28.5	66.44	1,872.9	817.1	540.1	488.0	52.05	10.375	
12,425.0	10,778.0	12,241.0	10,562.2	23.4	28.6	66.43	1,897.9	817.1	540.1	487.8	52.28	10.330	
12,450.0	10,778.3	12,266.0	10,562.5	23.5	28.8	66.43	1,922.9	817.0	540.1	487.6	52.51	10.286	
12,475.0	10,778.5	12,291.0	10,562.7	23.7	28.9	66.43	1,947.9	817.0	540.1	487.3	52.73	10.242	
12,500.0	10,778.8	12,316.0	10,563.0	23.8	29.0	66.43	1,972.9	817.0	540.1	487.1	52.96	10.197	
12,525.0	10,779.1	12,341.0	10,563.2	24.0	29.1	66.43	1,997.9	817.0	540.1	486.9	53.20	10.152	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
12,550.0	10,779.3	12,366.0	10,563.5	24.1	29.2	66.43	2,022.9	816.9	540.1	486.7	53.43	10.108	
12,575.0	10,779.6	12,391.0	10,563.7	24.3	29.4	66.43	2,047.9	816.9	540.1	486.4	53.67	10.064	
12,600.0	10,779.8	12,416.0	10,563.9	24.4	29.5	66.43	2,072.9	816.9	540.1	486.2	53.90	10.020	
12,625.0	10,780.1	12,441.0	10,564.2	24.6	29.6	66.43	2,097.9	816.8	540.1	486.0	54.15	9.975	
12,650.0	10,780.3	12,466.0	10,564.4	24.7	29.7	66.43	2,122.9	816.8	540.1	485.7	54.39	9.931	
12,675.0	10,780.6	12,491.0	10,564.7	24.9	29.9	66.43	2,147.9	816.8	540.1	485.5	54.63	9.887	
12,700.0	10,780.8	12,516.0	10,564.9	25.0	30.0	66.42	2,172.9	816.8	540.1	485.2	54.87	9.843	
12,725.0	10,781.1	12,541.0	10,565.2	25.2	30.1	66.42	2,197.9	816.7	540.1	485.0	55.12	9.798	
12,750.0	10,781.4	12,566.0	10,565.4	25.3	30.3	66.42	2,222.9	816.7	540.1	484.7	55.37	9.754	
12,775.0	10,781.6	12,591.0	10,565.7	25.5	30.4	66.42	2,247.9	816.7	540.1	484.5	55.62	9.711	
12,800.0	10,781.9	12,616.0	10,565.9	25.6	30.5	66.42	2,272.9	816.6	540.1	484.3	55.87	9.667	
12,825.0	10,782.1	12,641.0	10,566.2	25.8	30.7	66.42	2,297.9	816.6	540.1	484.0	56.13	9.623	
12,850.0	10,782.4	12,666.0	10,566.4	26.0	30.8	66.42	2,322.9	816.6	540.1	483.7	56.39	9.579	
12,875.0	10,782.6	12,691.0	10,566.7	26.1	30.9	66.42	2,347.9	816.6	540.1	483.5	56.64	9.536	
12,900.0	10,782.9	12,716.0	10,566.9	26.3	31.1	66.42	2,372.9	816.5	540.1	483.2	56.90	9.493	
12,925.0	10,783.1	12,741.0	10,567.1	26.5	31.2	66.42	2,397.9	816.5	540.1	483.0	57.16	9.449	
12,950.0	10,783.4	12,766.0	10,567.4	26.6	31.3	66.42	2,422.9	816.5	540.1	482.7	57.43	9.406	
12,975.0	10,783.6	12,791.0	10,567.6	26.8	31.5	66.41	2,447.9	816.4	540.2	482.5	57.69	9.363	
13,000.0	10,783.9	12,816.0	10,567.9	26.9	31.6	66.41	2,472.9	816.4	540.2	482.2	57.95	9.321	
13,025.0	10,784.2	12,841.0	10,568.1	27.1	31.8	66.41	2,497.9	816.4	540.2	481.9	58.22	9.278	
13,050.0	10,784.4	12,866.0	10,568.4	27.3	31.9	66.41	2,522.9	816.3	540.2	481.7	58.49	9.235	
13,075.0	10,784.7	12,891.0	10,568.6	27.4	32.0	66.41	2,547.9	816.3	540.2	481.4	58.76	9.193	
13,100.0	10,784.9	12,916.0	10,568.9	27.6	32.2	66.41	2,572.9	816.3	540.2	481.1	59.03	9.151	
13,125.0	10,785.2	12,941.0	10,569.1	27.8	32.3	66.41	2,597.9	816.3	540.2	480.9	59.30	9.109	
13,150.0	10,785.4	12,966.0	10,569.4	27.9	32.5	66.41	2,622.9	816.2	540.2	480.6	59.58	9.067	
13,175.0	10,785.7	12,991.0	10,569.6	28.1	32.6	66.41	2,647.9	816.2	540.2	480.3	59.85	9.025	
13,200.0	10,785.9	13,016.0	10,569.9	28.3	32.8	66.41	2,672.9	816.2	540.2	480.1	60.13	8.984	
13,225.0	10,786.2	13,041.0	10,570.1	28.5	32.9	66.41	2,697.9	816.1	540.2	479.8	60.41	8.942	
13,250.0	10,786.5	13,066.0	10,570.3	28.6	33.1	66.40	2,722.9	816.1	540.2	479.5	60.69	8.901	
13,275.0	10,786.7	13,091.0	10,570.6	28.8	33.2	66.40	2,747.9	816.1	540.2	479.2	60.97	8.860	
13,300.0	10,787.0	13,116.0	10,570.8	29.0	33.4	66.40	2,772.9	816.1	540.2	478.9	61.25	8.820	
13,325.0	10,787.2	13,141.0	10,571.1	29.1	33.5	66.40	2,797.9	816.0	540.2	478.7	61.53	8.779	
13,350.0	10,787.5	13,166.0	10,571.3	29.3	33.7	66.40	2,822.9	816.0	540.2	478.4	61.82	8.738	
13,375.0	10,787.7	13,191.0	10,571.6	29.5	33.8	66.40	2,847.8	816.0	540.2	478.1	62.10	8.698	
13,400.0	10,788.0	13,216.0	10,571.8	29.7	34.0	66.40	2,872.8	815.9	540.2	477.8	62.39	8.659	
13,425.0	10,788.2	13,241.0	10,572.1	29.8	34.1	66.40	2,897.8	815.9	540.2	477.5	62.68	8.619	
13,450.0	10,788.5	13,266.0	10,572.3	30.0	34.3	66.40	2,922.8	815.9	540.2	477.2	62.97	8.579	
13,475.0	10,788.8	13,291.0	10,572.6	30.2	34.4	66.40	2,947.8	815.9	540.2	477.0	63.26	8.540	
13,500.0	10,789.0	13,316.0	10,572.8	30.4	34.6	66.40	2,972.8	815.8	540.2	476.7	63.55	8.501	
13,525.0	10,789.3	13,341.0	10,573.1	30.5	34.7	66.40	2,997.8	815.8	540.2	476.4	63.85	8.461	
13,550.0	10,789.5	13,366.0	10,573.3	30.7	34.9	66.39	3,022.8	815.8	540.2	476.1	64.14	8.423	
13,575.0	10,789.8	13,391.0	10,573.6	30.9	35.0	66.39	3,047.8	815.7	540.2	475.8	64.44	8.384	
13,600.0	10,790.0	13,416.0	10,573.8	31.1	35.2	66.39	3,072.8	815.7	540.2	475.5	64.73	8.346	
13,625.0	10,790.3	13,441.0	10,574.0	31.3	35.4	66.39	3,097.8	815.7	540.2	475.2	65.03	8.308	
13,650.0	10,790.5	13,466.0	10,574.3	31.4	35.5	66.39	3,122.8	815.6	540.2	474.9	65.33	8.270	
13,675.0	10,790.8	13,491.0	10,574.5	31.6	35.7	66.39	3,147.8	815.6	540.3	474.6	65.63	8.232	
13,700.0	10,791.1	13,516.0	10,574.8	31.8	35.8	66.39	3,172.8	815.6	540.3	474.3	65.93	8.195	
13,725.0	10,791.3	13,541.0	10,575.0	32.0	36.0	66.39	3,197.8	815.6	540.3	474.0	66.23	8.157	
13,750.0	10,791.6	13,566.0	10,575.3	32.2	36.2	66.39	3,222.8	815.5	540.3	473.7	66.53	8.120	
13,775.0	10,791.8	13,591.0	10,575.5	32.3	36.3	66.39	3,247.8	815.5	540.3	473.4	66.84	8.083	
13,800.0	10,792.1	13,616.0	10,575.8	32.5	36.5	66.39	3,272.8	815.5	540.3	473.1	67.14	8.047	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
13,825.0	10,792.3	13,641.0	10,576.0	32.7	36.6	66.38	3,297.8	815.4	540.3	472.8	67.45	8.010	
13,850.0	10,792.6	13,666.0	10,576.3	32.9	36.8	66.38	3,322.8	815.4	540.3	472.5	67.75	7.974	
13,875.0	10,792.8	13,691.0	10,576.5	33.1	37.0	66.38	3,347.8	815.4	540.3	472.2	68.06	7.938	
13,900.0	10,793.1	13,716.0	10,576.8	33.2	37.1	66.38	3,372.8	815.4	540.3	471.9	68.37	7.902	
13,925.0	10,793.4	13,741.0	10,577.0	33.4	37.3	66.38	3,397.8	815.3	540.3	471.6	68.68	7.867	
13,950.0	10,793.6	13,766.0	10,577.2	33.6	37.5	66.38	3,422.8	815.3	540.3	471.3	68.99	7.831	
13,975.0	10,793.9	13,791.0	10,577.5	33.8	37.6	66.38	3,447.8	815.3	540.3	471.0	69.30	7.796	
14,000.0	10,794.1	13,816.0	10,577.7	34.0	37.8	66.38	3,472.8	815.2	540.3	470.7	69.61	7.762	
14,025.0	10,794.4	13,841.0	10,578.0	34.2	38.0	66.38	3,497.8	815.2	540.3	470.4	69.93	7.727	
14,050.0	10,794.6	13,866.0	10,578.2	34.4	38.1	66.38	3,522.8	815.2	540.3	470.1	70.24	7.692	
14,075.0	10,794.9	13,891.0	10,578.5	34.5	38.3	66.38	3,547.8	815.1	540.3	469.8	70.55	7.658	
14,100.0	10,795.1	13,916.0	10,578.7	34.7	38.5	66.37	3,572.8	815.1	540.3	469.4	70.87	7.624	
14,125.0	10,795.4	13,941.0	10,579.0	34.9	38.6	66.37	3,597.8	815.1	540.3	469.1	71.19	7.590	
14,150.0	10,795.7	13,966.0	10,579.2	35.1	38.8	66.37	3,622.8	815.1	540.3	468.8	71.50	7.557	
14,175.0	10,795.9	13,991.0	10,579.5	35.3	39.0	66.37	3,647.8	815.0	540.3	468.5	71.82	7.523	
14,200.0	10,796.2	14,016.0	10,579.7	35.5	39.1	66.37	3,672.8	815.0	540.3	468.2	72.14	7.490	
14,225.0	10,796.4	14,041.0	10,580.0	35.7	39.3	66.37	3,697.8	815.0	540.3	467.9	72.46	7.457	
14,250.0	10,796.7	14,066.0	10,580.2	35.9	39.5	66.37	3,722.8	814.9	540.3	467.6	72.78	7.424	
14,275.0	10,796.9	14,091.0	10,580.4	36.0	39.7	66.37	3,747.8	814.9	540.3	467.2	73.10	7.392	
14,300.0	10,797.2	14,116.0	10,580.7	36.2	39.8	66.37	3,772.8	814.9	540.3	466.9	73.42	7.359	
14,325.0	10,797.4	14,141.0	10,580.9	36.4	40.0	66.37	3,797.8	814.9	540.3	466.6	73.75	7.327	
14,350.0	10,797.7	14,166.0	10,581.2	36.6	40.2	66.37	3,822.8	814.8	540.4	466.3	74.07	7.295	
14,375.0	10,798.0	14,191.0	10,581.4	36.8	40.3	66.36	3,847.8	814.8	540.4	466.0	74.39	7.264	
14,400.0	10,798.2	14,216.0	10,581.7	37.0	40.5	66.36	3,872.8	814.8	540.4	465.6	74.72	7.232	
14,425.0	10,798.5	14,241.0	10,581.9	37.2	40.7	66.36	3,897.8	814.7	540.4	465.3	75.04	7.201	
14,450.0	10,798.7	14,266.0	10,582.2	37.4	40.9	66.36	3,922.8	814.7	540.4	465.0	75.37	7.170	
14,475.0	10,799.0	14,291.0	10,582.4	37.6	41.0	66.36	3,947.8	814.7	540.4	464.7	75.70	7.139	
14,500.0	10,799.2	14,316.0	10,582.7	37.7	41.2	66.36	3,972.8	814.7	540.4	464.4	76.02	7.108	
14,525.0	10,799.5	14,341.0	10,582.9	37.9	41.4	66.36	3,997.8	814.6	540.4	464.0	76.35	7.078	
14,550.0	10,799.7	14,366.0	10,583.2	38.1	41.6	66.36	4,022.8	814.6	540.4	463.7	76.68	7.047	
14,575.0	10,800.0	14,391.0	10,583.4	38.3	41.7	66.36	4,047.8	814.6	540.4	463.4	77.01	7.017	
14,600.0	10,800.3	14,416.0	10,583.6	38.5	41.9	66.36	4,072.8	814.5	540.4	463.0	77.34	6.987	
14,625.0	10,800.5	14,441.0	10,583.9	38.7	42.1	66.36	4,097.8	814.5	540.4	462.7	77.67	6.958	
14,650.0	10,800.8	14,466.0	10,584.1	38.9	42.3	66.35	4,122.8	814.5	540.4	462.4	78.00	6.928	
14,675.0	10,801.0	14,491.0	10,584.4	39.1	42.4	66.35	4,147.8	814.4	540.4	462.1	78.33	6.899	
14,700.0	10,801.3	14,516.0	10,584.6	39.3	42.6	66.35	4,172.8	814.4	540.4	461.7	78.67	6.870	
14,725.0	10,801.5	14,541.0	10,584.9	39.5	42.8	66.35	4,197.8	814.4	540.4	461.4	79.00	6.841	
14,750.0	10,801.8	14,566.0	10,585.1	39.7	43.0	66.35	4,222.8	814.4	540.4	461.1	79.33	6.812	
14,775.0	10,802.0	14,591.0	10,585.4	39.9	43.1	66.35	4,247.8	814.3	540.4	460.7	79.67	6.783	
14,800.0	10,802.3	14,616.0	10,585.6	40.0	43.3	66.35	4,272.8	814.3	540.4	460.4	80.00	6.755	
14,825.0	10,802.6	14,641.0	10,585.9	40.2	43.5	66.35	4,297.8	814.3	540.4	460.1	80.34	6.727	
14,850.0	10,802.8	14,666.0	10,586.1	40.4	43.7	66.35	4,322.8	814.2	540.4	459.8	80.67	6.699	
14,875.0	10,803.1	14,691.0	10,586.4	40.6	43.9	66.35	4,347.8	814.2	540.4	459.4	81.01	6.671	
14,900.0	10,803.3	14,716.0	10,586.6	40.8	44.0	66.35	4,372.8	814.2	540.4	459.1	81.35	6.644	
14,925.0	10,803.6	14,741.0	10,586.8	41.0	44.2	66.34	4,397.8	814.2	540.4	458.8	81.68	6.616	
14,950.0	10,803.8	14,766.0	10,587.1	41.2	44.4	66.34	4,422.8	814.1	540.4	458.4	82.02	6.589	
14,975.0	10,804.1	14,791.0	10,587.3	41.4	44.6	66.34	4,447.8	814.1	540.4	458.1	82.36	6.562	
15,000.0	10,804.3	14,816.0	10,587.6	41.6	44.8	66.34	4,472.8	814.1	540.4	457.7	82.70	6.535	
15,025.0	10,804.6	14,841.0	10,587.8	41.8	45.0	66.34	4,497.8	814.0	540.4	457.4	83.04	6.508	
15,050.0	10,804.9	14,866.0	10,588.1	42.0	45.1	66.34	4,522.8	814.0	540.5	457.1	83.38	6.482	
15,075.0	10,805.1	14,891.0	10,588.3	42.2	45.3	66.34	4,547.8	814.0	540.5	456.7	83.72	6.455	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
15,100.0	10,805.4	14,916.0	10,588.6	42.4	45.5	66.34	4,572.8	814.0	540.5	456.4	84.06	6.429	
15,125.0	10,805.6	14,941.0	10,588.8	42.6	45.7	66.34	4,597.8	813.9	540.5	456.1	84.40	6.403	
15,150.0	10,805.9	14,966.0	10,589.1	42.8	45.9	66.34	4,622.8	813.9	540.5	455.7	84.75	6.377	
15,175.0	10,806.1	14,991.0	10,589.3	43.0	46.0	66.34	4,647.8	813.9	540.5	455.4	85.09	6.352	
15,200.0	10,806.4	15,016.0	10,589.6	43.2	46.2	66.33	4,672.8	813.8	540.5	455.0	85.43	6.326	
15,225.0	10,806.6	15,041.0	10,589.8	43.4	46.4	66.33	4,697.8	813.8	540.5	454.7	85.78	6.301	
15,250.0	10,806.9	15,066.0	10,590.0	43.6	46.6	66.33	4,722.8	813.8	540.5	454.4	86.12	6.276	
15,275.0	10,807.2	15,091.0	10,590.3	43.8	46.8	66.33	4,747.8	813.7	540.5	454.0	86.47	6.251	
15,300.0	10,807.4	15,116.0	10,590.5	44.0	47.0	66.33	4,772.8	813.7	540.5	453.7	86.81	6.226	
15,325.0	10,807.7	15,141.0	10,590.8	44.2	47.1	66.33	4,797.8	813.7	540.5	453.3	87.16	6.201	
15,350.0	10,807.9	15,166.0	10,591.0	44.4	47.3	66.33	4,822.8	813.7	540.5	453.0	87.50	6.177	
15,375.0	10,808.2	15,191.0	10,591.3	44.6	47.5	66.33	4,847.8	813.6	540.5	452.7	87.85	6.153	
15,400.0	10,808.4	15,216.0	10,591.5	44.7	47.7	66.33	4,872.8	813.6	540.5	452.3	88.19	6.129	
15,425.0	10,808.7	15,241.0	10,591.8	44.9	47.9	66.33	4,897.7	813.6	540.5	452.0	88.54	6.105	
15,450.0	10,808.9	15,266.0	10,592.0	45.1	48.1	66.33	4,922.7	813.5	540.5	451.6	88.89	6.081	
15,475.0	10,809.2	15,291.0	10,592.3	45.3	48.3	66.32	4,947.7	813.5	540.5	451.3	89.24	6.057	
15,500.0	10,809.5	15,316.0	10,592.5	45.5	48.4	66.32	4,972.7	813.5	540.5	450.9	89.59	6.034	
15,525.0	10,809.7	15,341.0	10,592.8	45.7	48.6	66.32	4,997.7	813.5	540.5	450.6	89.93	6.010	
15,550.0	10,810.0	15,366.0	10,593.0	45.9	48.8	66.32	5,022.7	813.4	540.5	450.2	90.28	5.987	
15,575.0	10,810.2	15,391.0	10,593.3	46.1	49.0	66.32	5,047.7	813.4	540.5	449.9	90.63	5.964	
15,600.0	10,810.5	15,416.0	10,593.5	46.3	49.2	66.32	5,072.7	813.4	540.5	449.6	90.98	5.941	
15,625.0	10,810.7	15,441.0	10,593.7	46.5	49.4	66.32	5,097.7	813.3	540.5	449.2	91.33	5.918	
15,650.0	10,811.0	15,466.0	10,594.0	46.7	49.6	66.32	5,122.7	813.3	540.5	448.9	91.68	5.896	
15,675.0	10,811.2	15,491.0	10,594.2	46.9	49.8	66.32	5,147.7	813.3	540.5	448.5	92.04	5.873	
15,700.0	10,811.5	15,516.0	10,594.5	47.1	49.9	66.32	5,172.7	813.3	540.5	448.2	92.39	5.851	
15,725.0	10,811.8	15,541.0	10,594.7	47.3	50.1	66.32	5,197.7	813.2	540.6	447.8	92.74	5.829	
15,750.0	10,812.0	15,566.0	10,595.0	47.5	50.3	66.31	5,222.7	813.2	540.6	447.5	93.09	5.807	
15,775.0	10,812.3	15,591.0	10,595.2	47.7	50.5	66.31	5,247.7	813.2	540.6	447.1	93.44	5.785	
15,800.0	10,812.5	15,616.0	10,595.5	47.9	50.7	66.31	5,272.7	813.1	540.6	446.8	93.80	5.763	
15,825.0	10,812.8	15,641.0	10,595.7	48.1	50.9	66.31	5,297.7	813.1	540.6	446.4	94.15	5.742	
15,850.0	10,813.0	15,666.0	10,596.0	48.3	51.1	66.31	5,322.7	813.1	540.6	446.1	94.50	5.720	
15,875.0	10,813.3	15,691.0	10,596.2	48.5	51.3	66.31	5,347.7	813.0	540.6	445.7	94.86	5.699	
15,900.0	10,813.5	15,716.0	10,596.5	48.7	51.5	66.31	5,372.7	813.0	540.6	445.4	95.21	5.678	
15,925.0	10,813.8	15,741.0	10,596.7	48.9	51.6	66.31	5,397.7	813.0	540.6	445.0	95.57	5.657	
15,950.0	10,814.1	15,766.0	10,596.9	49.1	51.8	66.31	5,422.7	813.0	540.6	444.7	95.92	5.636	
15,975.0	10,814.3	15,791.0	10,597.2	49.3	52.0	66.31	5,447.7	812.9	540.6	444.3	96.28	5.615	
16,000.0	10,814.6	15,816.0	10,597.4	49.5	52.2	66.31	5,472.7	812.9	540.6	444.0	96.63	5.594	
16,025.0	10,814.8	15,841.0	10,597.7	49.7	52.4	66.30	5,497.7	812.9	540.6	443.6	96.99	5.574	
16,050.0	10,815.1	15,866.0	10,597.9	49.9	52.6	66.30	5,522.7	812.8	540.6	443.3	97.35	5.553	
16,075.0	10,815.3	15,891.0	10,598.2	50.1	52.8	66.30	5,547.7	812.8	540.6	442.9	97.70	5.533	
16,100.0	10,815.6	15,916.0	10,598.4	50.3	53.0	66.30	5,572.7	812.8	540.6	442.5	98.06	5.513	
16,125.0	10,815.8	15,941.0	10,598.7	50.5	53.2	66.30	5,597.7	812.8	540.6	442.2	98.42	5.493	
16,150.0	10,816.1	15,966.0	10,598.9	50.7	53.4	66.30	5,622.7	812.7	540.6	441.8	98.77	5.473	
16,175.0	10,816.4	15,991.0	10,599.2	50.9	53.6	66.30	5,647.7	812.7	540.6	441.5	99.13	5.454	
16,200.0	10,816.6	16,016.0	10,599.4	51.1	53.7	66.30	5,672.7	812.7	540.6	441.1	99.49	5.434	
16,225.0	10,816.9	16,041.0	10,599.7	51.3	53.9	66.30	5,697.7	812.6	540.6	440.8	99.85	5.414	
16,250.0	10,817.1	16,066.0	10,599.9	51.5	54.1	66.30	5,722.7	812.6	540.6	440.4	100.21	5.395	
16,275.0	10,817.4	16,091.0	10,600.1	51.7	54.3	66.30	5,747.7	812.6	540.6	440.1	100.57	5.376	
16,300.0	10,817.6	16,116.0	10,600.4	52.0	54.5	66.29	5,772.7	812.5	540.6	439.7	100.92	5.357	
16,325.0	10,817.9	16,141.0	10,600.6	52.2	54.7	66.29	5,797.7	812.5	540.6	439.4	101.28	5.338	
16,350.0	10,818.1	16,166.0	10,600.9	52.4	54.9	66.29	5,822.7	812.5	540.6	439.0	101.64	5.319	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
16,375.0	10,818.4	16,191.0	10,601.1	52.6	55.1	66.29	5,847.7	812.5	540.6	438.6	102.00	5.300	
16,400.0	10,818.7	16,216.0	10,601.4	52.8	55.3	66.29	5,872.7	812.4	540.7	438.3	102.36	5.282	
16,425.0	10,818.9	16,241.0	10,601.6	53.0	55.5	66.29	5,897.7	812.4	540.7	437.9	102.73	5.263	
16,450.0	10,819.2	16,266.0	10,601.9	53.2	55.7	66.29	5,922.7	812.4	540.7	437.6	103.09	5.245	
16,475.0	10,819.4	16,291.0	10,602.1	53.4	55.9	66.29	5,947.7	812.3	540.7	437.2	103.45	5.226	
16,500.0	10,819.7	16,316.0	10,602.4	53.6	56.1	66.29	5,972.7	812.3	540.7	436.9	103.81	5.208	
16,525.0	10,819.9	16,341.0	10,602.6	53.8	56.3	66.29	5,997.7	812.3	540.7	436.5	104.17	5.190	
16,550.0	10,820.2	16,366.0	10,602.9	54.0	56.4	66.29	6,022.7	812.3	540.7	436.1	104.53	5.172	
16,575.0	10,820.4	16,391.0	10,603.1	54.2	56.6	66.28	6,047.7	812.2	540.7	435.8	104.89	5.154	
16,600.0	10,820.7	16,416.0	10,603.3	54.4	56.8	66.28	6,072.7	812.2	540.7	435.4	105.26	5.137	
16,625.0	10,821.0	16,441.0	10,603.6	54.6	57.0	66.28	6,097.7	812.2	540.7	435.1	105.62	5.119	
16,650.0	10,821.2	16,466.0	10,603.8	54.8	57.2	66.28	6,122.7	812.1	540.7	434.7	105.98	5.102	
16,675.0	10,821.5	16,491.0	10,604.1	55.0	57.4	66.28	6,147.7	812.1	540.7	434.3	106.35	5.084	
16,700.0	10,821.7	16,516.0	10,604.3	55.2	57.6	66.28	6,172.7	812.1	540.7	434.0	106.71	5.067	
16,725.0	10,822.0	16,541.0	10,604.6	55.4	57.8	66.28	6,197.7	812.1	540.7	433.6	107.07	5.050	
16,750.0	10,822.2	16,566.0	10,604.8	55.6	58.0	66.28	6,222.7	812.0	540.7	433.3	107.44	5.033	
16,775.0	10,822.5	16,591.0	10,605.1	55.8	58.2	66.28	6,247.7	812.0	540.7	432.9	107.80	5.016	
16,800.0	10,822.7	16,616.0	10,605.3	56.0	58.4	66.28	6,272.7	812.0	540.7	432.5	108.17	4.999	
16,825.0	10,823.0	16,641.0	10,605.6	56.2	58.6	66.28	6,297.7	811.9	540.7	432.2	108.53	4.982	
16,850.0	10,823.3	16,666.0	10,605.8	56.4	58.8	66.28	6,322.7	811.9	540.7	431.8	108.90	4.965	
16,875.0	10,823.5	16,691.0	10,606.1	56.6	59.0	66.27	6,347.7	811.9	540.7	431.5	109.26	4.949	
16,900.0	10,823.8	16,716.0	10,606.3	56.8	59.2	66.27	6,372.7	811.8	540.7	431.1	109.63	4.932	
16,925.0	10,824.0	16,741.0	10,606.5	57.0	59.4	66.27	6,397.7	811.8	540.7	430.7	109.99	4.916	
16,950.0	10,824.3	16,766.0	10,606.8	57.2	59.6	66.27	6,422.7	811.8	540.7	430.4	110.36	4.900	
16,975.0	10,824.5	16,791.0	10,607.0	57.4	59.8	66.27	6,447.7	811.8	540.7	430.0	110.72	4.884	
17,000.0	10,824.8	16,816.0	10,607.3	57.6	60.0	66.27	6,472.7	811.7	540.7	429.7	111.09	4.868	
17,025.0	10,825.0	16,841.0	10,607.5	57.8	60.2	66.27	6,497.7	811.7	540.7	429.3	111.45	4.852	
17,050.0	10,825.3	16,866.0	10,607.8	58.1	60.4	66.27	6,522.7	811.7	540.7	428.9	111.82	4.836	
17,075.0	10,825.6	16,891.0	10,608.0	58.3	60.6	66.27	6,547.7	811.6	540.7	428.6	112.19	4.820	
17,100.0	10,825.8	16,916.0	10,608.3	58.5	60.8	66.27	6,572.7	811.6	540.8	428.2	112.55	4.804	
17,125.0	10,826.1	16,941.0	10,608.5	58.7	60.9	66.27	6,597.7	811.6	540.8	427.8	112.92	4.789	
17,150.0	10,826.3	16,966.0	10,608.8	58.9	61.1	66.26	6,622.7	811.6	540.8	427.5	113.29	4.773	
17,175.0	10,826.6	16,991.0	10,609.0	59.1	61.3	66.26	6,647.7	811.5	540.8	427.1	113.66	4.758	
17,200.0	10,826.8	17,016.0	10,609.3	59.3	61.5	66.26	6,672.7	811.5	540.8	426.7	114.02	4.743	
17,225.0	10,827.1	17,041.0	10,609.5	59.5	61.7	66.26	6,697.7	811.5	540.8	426.4	114.39	4.727	
17,250.0	10,827.3	17,066.0	10,609.7	59.7	61.9	66.26	6,722.7	811.4	540.8	426.0	114.76	4.712	
17,275.0	10,827.6	17,091.0	10,610.0	59.9	62.1	66.26	6,747.7	811.4	540.8	425.6	115.13	4.697	
17,300.0	10,827.9	17,116.0	10,610.2	60.1	62.3	66.26	6,772.7	811.4	540.8	425.3	115.50	4.682	
17,325.0	10,828.1	17,141.0	10,610.5	60.3	62.5	66.26	6,797.7	811.4	540.8	424.9	115.87	4.667	
17,350.0	10,828.4	17,166.0	10,610.7	60.5	62.7	66.26	6,822.7	811.3	540.8	424.6	116.23	4.653	
17,375.0	10,828.6	17,191.0	10,611.0	60.7	62.9	66.26	6,847.7	811.3	540.8	424.2	116.60	4.638	
17,400.0	10,828.9	17,216.0	10,611.2	60.9	63.1	66.26	6,872.7	811.3	540.8	423.8	116.97	4.623	
17,425.0	10,829.1	17,241.0	10,611.5	61.1	63.3	66.25	6,897.7	811.2	540.8	423.5	117.34	4.609	
17,450.0	10,829.4	17,266.0	10,611.7	61.3	63.5	66.25	6,922.6	811.2	540.8	423.1	117.71	4.594	
17,475.0	10,829.6	17,291.0	10,612.0	61.5	63.7	66.25	6,947.6	811.2	540.8	422.7	118.08	4.580	
17,500.0	10,829.9	17,316.0	10,612.2	61.7	63.9	66.25	6,972.6	811.1	540.8	422.4	118.45	4.566	
17,525.0	10,830.2	17,341.0	10,612.5	62.0	64.1	66.25	6,997.6	811.1	540.8	422.0	118.82	4.551	
17,550.0	10,830.4	17,366.0	10,612.7	62.2	64.3	66.25	7,022.6	811.1	540.8	421.6	119.19	4.537	
17,575.0	10,830.7	17,391.0	10,612.9	62.4	64.5	66.25	7,047.6	811.1	540.8	421.3	119.56	4.523	
17,600.0	10,830.9	17,416.0	10,613.2	62.6	64.7	66.25	7,072.6	811.0	540.8	420.9	119.93	4.509	
17,625.0	10,831.2	17,441.0	10,613.4	62.8	64.9	66.25	7,097.6	811.0	540.8	420.5	120.30	4.496	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
17,650.0	10,831.4	17,466.0	10,613.7	63.0	65.1	66.25	7,122.6	811.0	540.8	420.2	120.67	4.482	
17,675.0	10,831.7	17,491.0	10,613.9	63.2	65.3	66.25	7,147.6	810.9	540.8	419.8	121.05	4.468	
17,700.0	10,831.9	17,516.0	10,614.2	63.4	65.5	66.24	7,172.6	810.9	540.8	419.4	121.42	4.454	
17,725.0	10,832.2	17,541.0	10,614.4	63.6	65.7	66.24	7,197.6	810.9	540.8	419.1	121.79	4.441	
17,750.0	10,832.5	17,566.0	10,614.7	63.8	65.9	66.24	7,222.6	810.9	540.8	418.7	122.16	4.427	
17,775.0	10,832.7	17,591.0	10,614.9	64.0	66.1	66.24	7,247.6	810.8	540.9	418.3	122.53	4.414	
17,800.0	10,833.0	17,616.0	10,615.2	64.2	66.3	66.24	7,272.6	810.8	540.9	418.0	122.90	4.401	
17,825.0	10,833.2	17,641.0	10,615.4	64.4	66.5	66.24	7,297.6	810.8	540.9	417.6	123.28	4.387	
17,850.0	10,833.5	17,666.0	10,615.7	64.6	66.7	66.24	7,322.6	810.7	540.9	417.2	123.65	4.374	
17,875.0	10,833.7	17,691.0	10,615.9	64.8	66.9	66.24	7,347.6	810.7	540.9	416.8	124.02	4.361	
17,900.0	10,834.0	17,716.0	10,616.2	65.0	67.1	66.24	7,372.6	810.7	540.9	416.5	124.39	4.348	
17,925.0	10,834.2	17,741.0	10,616.4	65.3	67.3	66.24	7,397.6	810.6	540.9	416.1	124.77	4.335	
17,950.0	10,834.5	17,766.0	10,616.6	65.5	67.5	66.24	7,422.6	810.6	540.9	415.7	125.14	4.322	
17,975.0	10,834.8	17,791.0	10,616.9	65.7	67.7	66.23	7,447.6	810.6	540.9	415.4	125.51	4.309	
18,000.0	10,835.0	17,816.0	10,617.1	65.9	67.9	66.23	7,472.6	810.6	540.9	415.0	125.88	4.297	
18,025.0	10,835.3	17,841.0	10,617.4	66.1	68.1	66.23	7,497.6	810.5	540.9	414.6	126.26	4.284	
18,050.0	10,835.5	17,866.0	10,617.6	66.3	68.3	66.23	7,522.6	810.5	540.9	414.3	126.63	4.271	
18,075.0	10,835.8	17,891.0	10,617.9	66.5	68.5	66.23	7,547.6	810.5	540.9	413.9	127.00	4.259	
18,100.0	10,836.0	17,916.0	10,618.1	66.7	68.7	66.23	7,572.6	810.4	540.9	413.5	127.38	4.246	
18,125.0	10,836.3	17,941.0	10,618.4	66.9	68.9	66.23	7,597.6	810.4	540.9	413.2	127.75	4.234	
18,150.0	10,836.5	17,966.0	10,618.6	67.1	69.1	66.23	7,622.6	810.4	540.9	412.8	128.13	4.222	
18,175.0	10,836.8	17,991.0	10,618.9	67.3	69.3	66.23	7,647.6	810.4	540.9	412.4	128.50	4.209	
18,200.0	10,837.1	18,016.0	10,619.1	67.5	69.5	66.23	7,672.6	810.3	540.9	412.0	128.87	4.197	
18,225.0	10,837.3	18,041.0	10,619.4	67.7	69.7	66.23	7,697.6	810.3	540.9	411.7	129.25	4.185	
18,250.0	10,837.6	18,066.0	10,619.6	67.9	69.9	66.22	7,722.6	810.3	540.9	411.3	129.62	4.173	
18,275.0	10,837.8	18,091.0	10,619.8	68.1	70.1	66.22	7,747.6	810.2	540.9	410.9	130.00	4.161	
18,300.0	10,838.1	18,116.0	10,620.1	68.4	70.3	66.22	7,772.6	810.2	540.9	410.6	130.37	4.149	
18,325.0	10,838.3	18,141.0	10,620.3	68.6	70.5	66.22	7,797.6	810.2	540.9	410.2	130.75	4.137	
18,350.0	10,838.6	18,166.0	10,620.6	68.8	70.7	66.22	7,822.6	810.2	540.9	409.8	131.12	4.125	
18,375.0	10,838.8	18,191.0	10,620.8	69.0	70.9	66.22	7,847.6	810.1	540.9	409.4	131.50	4.114	
18,400.0	10,839.1	18,216.0	10,621.1	69.2	71.1	66.22	7,872.6	810.1	540.9	409.1	131.87	4.102	
18,425.0	10,839.4	18,241.0	10,621.3	69.4	71.3	66.22	7,897.6	810.1	540.9	408.7	132.25	4.090	
18,450.0	10,839.6	18,266.0	10,621.6	69.6	71.5	66.22	7,922.6	810.0	541.0	408.3	132.62	4.079	
18,475.0	10,839.9	18,291.0	10,621.8	69.8	71.7	66.22	7,947.6	810.0	541.0	408.0	133.00	4.067	
18,500.0	10,840.1	18,316.0	10,622.1	70.0	71.9	66.22	7,972.6	810.0	541.0	407.6	133.37	4.056	
18,525.0	10,840.4	18,341.0	10,622.3	70.2	72.1	66.21	7,997.6	809.9	541.0	407.2	133.75	4.045	
18,550.0	10,840.6	18,366.0	10,622.6	70.4	72.3	66.21	8,022.6	809.9	541.0	406.8	134.12	4.033	
18,575.0	10,840.9	18,391.0	10,622.8	70.6	72.5	66.21	8,047.6	809.9	541.0	406.5	134.50	4.022	
18,600.0	10,841.1	18,416.0	10,623.0	70.8	72.7	66.21	8,072.6	809.9	541.0	406.1	134.88	4.011	
18,625.0	10,841.4	18,441.0	10,623.3	71.1	72.9	66.21	8,097.6	809.8	541.0	405.7	135.25	4.000	
18,650.0	10,841.6	18,466.0	10,623.5	71.3	73.1	66.21	8,122.6	809.8	541.0	405.4	135.63	3.989	
18,675.0	10,841.9	18,491.0	10,623.8	71.5	73.3	66.21	8,147.6	809.8	541.0	405.0	136.01	3.978	
18,700.0	10,842.2	18,516.0	10,624.0	71.7	73.5	66.21	8,172.6	809.7	541.0	404.6	136.38	3.967	
18,725.0	10,842.4	18,541.0	10,624.3	71.9	73.8	66.21	8,197.6	809.7	541.0	404.2	136.76	3.956	
18,750.0	10,842.7	18,566.0	10,624.5	72.1	74.0	66.21	8,222.6	809.7	541.0	403.9	137.14	3.945	
18,775.0	10,842.9	18,591.0	10,624.8	72.3	74.2	66.21	8,247.6	809.7	541.0	403.5	137.51	3.934	
18,800.0	10,843.2	18,616.0	10,625.0	72.5	74.4	66.20	8,272.6	809.6	541.0	403.1	137.89	3.923	
18,825.0	10,843.4	18,641.0	10,625.3	72.7	74.6	66.20	8,297.6	809.6	541.0	402.7	138.27	3.913	
18,850.0	10,843.7	18,666.0	10,625.5	72.9	74.8	66.20	8,322.6	809.6	541.0	402.4	138.64	3.902	
18,875.0	10,843.9	18,691.0	10,625.8	73.1	75.0	66.20	8,347.6	809.5	541.0	402.0	139.02	3.892	
18,900.0	10,844.2	18,716.0	10,626.0	73.3	75.2	66.20	8,372.6	809.5	541.0	401.6	139.40	3.881	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
18,925.0	10,844.5	18,741.0	10,626.2	73.6	75.4	66.20	8,397.6	809.5	541.0	401.2	139.78	3.871	
18,950.0	10,844.7	18,766.0	10,626.5	73.8	75.6	66.20	8,422.6	809.5	541.0	400.9	140.15	3.860	
18,975.0	10,845.0	18,791.0	10,626.7	74.0	75.8	66.20	8,447.6	809.4	541.0	400.5	140.53	3.850	
19,000.0	10,845.2	18,816.0	10,627.0	74.2	76.0	66.20	8,472.6	809.4	541.0	400.1	140.91	3.840	
19,025.0	10,845.5	18,841.0	10,627.2	74.4	76.2	66.20	8,497.6	809.4	541.0	399.7	141.29	3.829	
19,050.0	10,845.7	18,866.0	10,627.5	74.6	76.4	66.20	8,522.6	809.3	541.0	399.4	141.67	3.819	
19,075.0	10,846.0	18,891.0	10,627.7	74.8	76.6	66.19	8,547.6	809.3	541.0	399.0	142.04	3.809	
19,100.0	10,846.2	18,916.0	10,628.0	75.0	76.8	66.19	8,572.6	809.3	541.0	398.6	142.42	3.799	
19,125.0	10,846.5	18,941.0	10,628.2	75.2	77.0	66.19	8,597.6	809.2	541.0	398.2	142.80	3.789	
19,150.0	10,846.8	18,966.0	10,628.5	75.4	77.2	66.19	8,622.6	809.2	541.1	397.9	143.18	3.779	
19,175.0	10,847.0	18,991.0	10,628.7	75.6	77.4	66.19	8,647.6	809.2	541.1	397.5	143.56	3.769	
19,200.0	10,847.3	19,016.0	10,629.0	75.8	77.6	66.19	8,672.6	809.2	541.1	397.1	143.94	3.759	
19,225.0	10,847.5	19,041.0	10,629.2	76.1	77.8	66.19	8,697.6	809.1	541.1	396.7	144.31	3.749	
19,250.0	10,847.8	19,066.0	10,629.4	76.3	78.0	66.19	8,722.6	809.1	541.1	396.4	144.69	3.739	
19,275.0	10,848.0	19,091.0	10,629.7	76.5	78.2	66.19	8,747.6	809.1	541.1	396.0	145.07	3.730	
19,300.0	10,848.3	19,116.0	10,629.9	76.7	78.4	66.19	8,772.6	809.0	541.1	395.6	145.45	3.720	
19,325.0	10,848.5	19,141.0	10,630.2	76.9	78.6	66.19	8,797.6	809.0	541.1	395.2	145.83	3.710	
19,350.0	10,848.8	19,166.0	10,630.4	77.1	78.8	66.18	8,822.6	809.0	541.1	394.9	146.21	3.701	
19,375.0	10,849.1	19,191.0	10,630.7	77.3	79.0	66.18	8,847.6	809.0	541.1	394.5	146.59	3.691	
19,400.0	10,849.3	19,216.0	10,630.9	77.5	79.2	66.18	8,872.6	808.9	541.1	394.1	146.97	3.682	
19,425.0	10,849.6	19,241.0	10,631.2	77.7	79.4	66.18	8,897.6	808.9	541.1	393.7	147.35	3.672	
19,450.0	10,849.8	19,266.0	10,631.4	77.9	79.7	66.18	8,922.6	808.9	541.1	393.4	147.73	3.663	
19,475.0	10,850.1	19,291.0	10,631.7	78.1	79.9	66.18	8,947.5	808.8	541.1	393.0	148.11	3.653	
19,500.0	10,850.3	19,316.0	10,631.9	78.3	80.1	66.18	8,972.5	808.8	541.1	392.6	148.49	3.644	
19,525.0	10,850.6	19,341.0	10,632.2	78.6	80.3	66.18	8,997.5	808.8	541.1	392.2	148.87	3.635	
19,550.0	10,850.8	19,366.0	10,632.4	78.8	80.5	66.18	9,022.5	808.8	541.1	391.9	149.25	3.626	
19,575.0	10,851.1	19,391.0	10,632.6	79.0	80.7	66.18	9,047.5	808.7	541.1	391.5	149.63	3.616	
19,600.0	10,851.4	19,416.0	10,632.9	79.2	80.9	66.18	9,072.5	808.7	541.1	391.1	150.01	3.607	
19,625.0	10,851.6	19,441.0	10,633.1	79.4	81.1	66.18	9,097.5	808.7	541.1	390.7	150.39	3.598	
19,650.0	10,851.9	19,466.0	10,633.4	79.6	81.3	66.17	9,122.5	808.6	541.1	390.4	150.77	3.589	
19,675.0	10,852.1	19,491.0	10,633.6	79.8	81.5	66.17	9,147.5	808.6	541.1	390.0	151.15	3.580	
19,700.0	10,852.4	19,516.0	10,633.9	80.0	81.7	66.17	9,172.5	808.6	541.1	389.6	151.53	3.571	
19,725.0	10,852.6	19,541.0	10,634.1	80.2	81.9	66.17	9,197.5	808.5	541.1	389.2	151.91	3.562	
19,750.0	10,852.9	19,566.0	10,634.4	80.4	82.1	66.17	9,222.5	808.5	541.1	388.9	152.29	3.553	
19,775.0	10,853.1	19,591.0	10,634.6	80.6	82.3	66.17	9,247.5	808.5	541.1	388.5	152.67	3.545	
19,800.0	10,853.4	19,616.0	10,634.9	80.9	82.5	66.17	9,272.5	808.5	541.1	388.1	153.05	3.536	
19,825.0	10,853.7	19,641.0	10,635.1	81.1	82.7	66.17	9,297.5	808.4	541.2	387.7	153.43	3.527	
19,850.0	10,853.9	19,666.0	10,635.4	81.3	82.9	66.17	9,322.5	808.4	541.2	387.3	153.81	3.518	
19,875.0	10,854.2	19,691.0	10,635.6	81.5	83.1	66.17	9,347.5	808.4	541.2	387.0	154.19	3.510	
19,900.0	10,854.4	19,716.0	10,635.9	81.7	83.3	66.17	9,372.5	808.3	541.2	386.6	154.57	3.501	
19,925.0	10,854.7	19,741.0	10,636.1	81.9	83.5	66.16	9,397.5	808.3	541.2	386.2	154.95	3.492	
19,950.0	10,854.9	19,766.0	10,636.3	82.1	83.7	66.16	9,422.5	808.3	541.2	385.8	155.34	3.484	
19,975.0	10,855.2	19,791.0	10,636.6	82.3	84.0	66.16	9,447.5	808.3	541.2	385.5	155.72	3.475	
20,000.0	10,855.4	19,816.0	10,636.8	82.5	84.2	66.16	9,472.5	808.2	541.2	385.1	156.10	3.467	
20,025.0	10,855.7	19,841.0	10,637.1	82.7	84.4	66.16	9,497.5	808.2	541.2	384.7	156.48	3.458	
20,050.0	10,856.0	19,866.0	10,637.3	83.0	84.6	66.16	9,522.5	808.2	541.2	384.3	156.86	3.450	
20,075.0	10,856.2	19,891.0	10,637.6	83.2	84.8	66.16	9,547.5	808.1	541.2	383.9	157.24	3.442	
20,100.0	10,856.5	19,916.0	10,637.8	83.4	85.0	66.16	9,572.5	808.1	541.2	383.6	157.62	3.433	
20,125.0	10,856.7	19,941.0	10,638.1	83.6	85.2	66.16	9,597.5	808.1	541.2	383.2	158.01	3.425	
20,150.0	10,857.0	19,966.0	10,638.3	83.8	85.4	66.16	9,622.5	808.0	541.2	382.8	158.39	3.417	
20,175.0	10,857.2	19,991.0	10,638.6	84.0	85.6	66.16	9,647.5	808.0	541.2	382.4	158.77	3.409	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
20,200.0	10,857.5	20,016.0	10,638.8	84.2	85.8	66.15	9,672.5	808.0	541.2	382.1	159.15	3.401	
20,225.0	10,857.7	20,041.0	10,639.1	84.4	86.0	66.15	9,697.5	808.0	541.2	381.7	159.53	3.392	
20,250.0	10,858.0	20,066.0	10,639.3	84.6	86.2	66.15	9,722.5	807.9	541.2	381.3	159.91	3.384	
20,275.0	10,858.3	20,091.0	10,639.5	84.8	86.4	66.15	9,747.5	807.9	541.2	380.9	160.30	3.376	
20,300.0	10,858.5	20,116.0	10,639.8	85.0	86.6	66.15	9,772.5	807.9	541.2	380.5	160.68	3.368	
20,325.0	10,858.8	20,141.0	10,640.0	85.3	86.8	66.15	9,797.5	807.8	541.2	380.2	161.06	3.360	
20,350.0	10,859.0	20,166.0	10,640.3	85.5	87.0	66.15	9,822.5	807.8	541.2	379.8	161.44	3.352	
20,375.0	10,859.3	20,191.0	10,640.5	85.7	87.2	66.15	9,847.5	807.8	541.2	379.4	161.83	3.345	
20,400.0	10,859.5	20,216.0	10,640.8	85.9	87.4	66.15	9,872.5	807.8	541.2	379.0	162.21	3.337	
20,425.0	10,859.8	20,241.0	10,641.0	86.1	87.7	66.15	9,897.5	807.7	541.2	378.7	162.59	3.329	
20,450.0	10,860.0	20,266.0	10,641.3	86.3	87.9	66.15	9,922.5	807.7	541.2	378.3	162.97	3.321	
20,475.0	10,860.3	20,291.0	10,641.5	86.5	88.1	66.14	9,947.5	807.7	541.2	377.9	163.35	3.313	
20,500.0	10,860.6	20,316.0	10,641.8	86.7	88.3	66.14	9,972.5	807.6	541.3	377.5	163.74	3.306	
20,525.0	10,860.8	20,341.0	10,642.0	86.9	88.5	66.14	9,997.5	807.6	541.3	377.1	164.12	3.298	
20,550.0	10,861.1	20,366.0	10,642.3	87.1	88.7	66.14	10,022.5	807.6	541.3	376.8	164.50	3.290	
20,575.0	10,861.3	20,391.0	10,642.5	87.4	88.9	66.14	10,047.5	807.6	541.3	376.4	164.89	3.283	
20,600.0	10,861.6	20,416.0	10,642.7	87.6	89.1	66.14	10,072.5	807.5	541.3	376.0	165.27	3.275	
20,625.0	10,861.8	20,441.0	10,643.0	87.8	89.3	66.14	10,097.5	807.5	541.3	375.6	165.65	3.268	
20,650.0	10,862.1	20,466.0	10,643.2	88.0	89.5	66.14	10,122.5	807.5	541.3	375.2	166.03	3.260	
20,675.0	10,862.3	20,491.0	10,643.5	88.2	89.7	66.14	10,147.5	807.4	541.3	374.9	166.42	3.253	
20,700.0	10,862.6	20,516.0	10,643.7	88.4	89.9	66.14	10,172.5	807.4	541.3	374.5	166.80	3.245	
20,725.0	10,862.9	20,541.0	10,644.0	88.6	90.1	66.14	10,197.5	807.4	541.3	374.1	167.18	3.238	
20,750.0	10,863.1	20,566.0	10,644.2	88.8	90.3	66.13	10,222.5	807.3	541.3	373.7	167.57	3.230	
20,775.0	10,863.4	20,591.0	10,644.5	89.0	90.5	66.13	10,247.5	807.3	541.3	373.3	167.95	3.223	
20,800.0	10,863.6	20,616.0	10,644.7	89.2	90.8	66.13	10,272.5	807.3	541.3	373.0	168.33	3.216	
20,825.0	10,863.9	20,641.0	10,645.0	89.5	91.0	66.13	10,297.5	807.3	541.3	372.6	168.72	3.208	
20,850.0	10,864.1	20,666.0	10,645.2	89.7	91.2	66.13	10,322.5	807.2	541.3	372.2	169.10	3.201	
20,875.0	10,864.4	20,691.0	10,645.5	89.9	91.4	66.13	10,347.5	807.2	541.3	371.8	169.48	3.194	
20,900.0	10,864.6	20,716.0	10,645.7	90.1	91.6	66.13	10,372.5	807.2	541.3	371.4	169.87	3.187	
20,925.0	10,864.9	20,741.0	10,645.9	90.3	91.8	66.13	10,397.5	807.1	541.3	371.1	170.25	3.180	
20,950.0	10,865.2	20,766.0	10,646.2	90.5	92.0	66.13	10,422.5	807.1	541.3	370.7	170.64	3.172	
20,975.0	10,865.4	20,791.0	10,646.4	90.7	92.2	66.13	10,447.5	807.1	541.3	370.3	171.02	3.165	
21,000.0	10,865.7	20,816.0	10,646.7	90.9	92.4	66.13	10,472.5	807.1	541.3	369.9	171.40	3.158	
21,025.0	10,865.9	20,841.0	10,646.9	91.1	92.6	66.12	10,497.5	807.0	541.3	369.5	171.79	3.151	
21,050.0	10,866.2	20,866.0	10,647.2	91.3	92.8	66.12	10,522.5	807.0	541.3	369.2	172.17	3.144	
21,075.0	10,866.4	20,891.0	10,647.4	91.6	93.0	66.12	10,547.5	807.0	541.3	368.8	172.55	3.137	
21,100.0	10,866.7	20,916.0	10,647.7	91.8	93.2	66.12	10,572.5	806.9	541.3	368.4	172.94	3.130	
21,125.0	10,866.9	20,941.0	10,647.9	92.0	93.4	66.12	10,597.5	806.9	541.3	368.0	173.32	3.123	
21,130.4	10,867.0	20,946.3	10,648.0	92.0	93.5	66.12	10,602.8	806.9	541.3	367.9	173.40	3.122	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	0.1	0.1	0.0	0.0	-0.38	60.0	-0.4	60.0				
25.0	25.0	25.1	25.1	0.5	0.1	-0.38	60.0	-0.4	60.0				
50.0	50.0	50.1	50.1	0.5	0.3	-0.38	60.0	-0.4	60.0	58.7	1.28	46.755	
75.0	75.0	75.1	75.1	0.5	0.4	-0.38	60.0	-0.4	60.0	58.6	1.38	43.533	
100.0	100.0	100.1	100.1	0.5	0.5	-0.38	60.0	-0.4	60.0	58.5	1.50	40.097	
125.0	125.0	125.1	125.1	0.6	0.6	-0.38	60.0	-0.4	60.0	58.3	1.75	34.327	
150.0	150.0	150.1	150.1	0.8	0.8	-0.38	60.0	-0.4	60.0	58.0	2.00	30.009	
175.0	175.0	175.1	175.1	0.9	0.9	-0.38	60.0	-0.4	60.0	57.8	2.25	26.655	
200.0	200.0	200.1	200.1	1.0	1.0	-0.38	60.0	-0.4	60.0	57.5	2.50	23.978	
225.0	225.0	225.1	225.1	1.1	1.1	-0.38	60.0	-0.4	60.0	57.3	2.67	22.475	
250.0	250.0	250.1	250.1	1.2	1.2	-0.38	60.0	-0.4	60.0	57.2	2.84	21.150	
275.0	275.0	275.1	275.1	1.3	1.3	-0.38	60.0	-0.4	60.0	57.0	3.00	19.972	
300.0	300.0	300.1	300.1	1.4	1.4	-0.38	60.0	-0.4	60.0	56.8	3.17	18.919	
325.0	325.0	325.1	325.1	1.4	1.4	-0.38	60.0	-0.4	60.0	56.7	3.31	18.135	
350.0	350.0	350.1	350.1	1.5	1.5	-0.38	60.0	-0.4	60.0	56.6	3.45	17.413	
375.0	375.0	375.1	375.1	1.6	1.6	-0.38	60.0	-0.4	60.0	56.4	3.58	16.747	
400.0	400.0	400.1	400.1	1.6	1.6	-0.38	60.0	-0.4	60.0	56.3	3.72	16.130	
425.0	425.0	425.1	425.1	1.7	1.7	-0.38	60.0	-0.4	60.0	56.2	3.84	15.625	
450.0	450.0	450.1	450.1	1.8	1.8	-0.38	60.0	-0.4	60.0	56.0	3.96	15.150	
475.0	475.0	475.1	475.1	1.8	1.8	-0.38	60.0	-0.4	60.0	55.9	4.08	14.704	
500.0	500.0	500.1	500.1	1.9	1.9	-0.38	60.0	-0.4	60.0	55.8	4.20	14.283	
525.0	525.0	525.1	525.1	1.9	1.9	-0.38	60.0	-0.4	60.0	55.7	4.31	13.920	
550.0	550.0	550.1	550.1	2.0	2.0	-0.38	60.0	-0.4	60.0	55.6	4.42	13.576	
575.0	575.0	575.1	575.1	2.1	2.1	-0.38	60.0	-0.4	60.0	55.5	4.53	13.248	
600.0	600.0	600.1	600.1	2.1	2.1	-0.38	60.0	-0.4	60.0	55.4	4.64	12.936	
625.0	625.0	625.1	625.1	2.2	2.2	-0.38	60.0	-0.4	60.0	55.3	4.74	12.658	
650.0	650.0	650.1	650.1	2.2	2.2	-0.38	60.0	-0.4	60.0	55.2	4.84	12.393	
675.0	675.0	675.1	675.1	2.3	2.3	-0.38	60.0	-0.4	60.0	55.1	4.94	12.138	
700.0	700.0	700.1	700.1	2.3	2.3	-0.38	60.0	-0.4	60.0	55.0	5.04	11.894	
725.0	725.0	725.1	725.1	2.4	2.4	-0.38	60.0	-0.4	60.0	54.9	5.14	11.672	
750.0	750.0	750.1	750.1	2.4	2.4	-0.38	60.0	-0.4	60.0	54.8	5.24	11.459	
775.0	775.0	775.1	775.1	2.5	2.5	-0.38	60.0	-0.4	60.0	54.7	5.33	11.253	
800.0	800.0	800.1	800.1	2.5	2.5	-0.38	60.0	-0.4	60.0	54.6	5.43	11.055	
825.0	825.0	825.1	825.1	2.6	2.6	-0.38	60.0	-0.4	60.0	54.5	5.52	10.872	
850.0	850.0	850.1	850.1	2.6	2.6	-0.38	60.0	-0.4	60.0	54.4	5.61	10.696	
875.0	875.0	875.1	875.1	2.6	2.6	-0.38	60.0	-0.4	60.0	54.3	5.70	10.525	
900.0	900.0	900.1	900.1	2.7	2.7	-0.38	60.0	-0.4	60.0	54.2	5.79	10.359	
925.0	925.0	925.1	925.1	2.7	2.7	-0.38	60.0	-0.4	60.0	54.1	5.88	10.205	
950.0	950.0	950.1	950.1	2.8	2.8	-0.38	60.0	-0.4	60.0	54.0	5.97	10.056	
975.0	975.0	975.1	975.1	2.8	2.8	-0.38	60.0	-0.4	60.0	53.9	6.05	9.911	
1,000.0	1,000.0	1,000.1	1,000.1	2.9	2.9	-0.38	60.0	-0.4	60.0	53.9	6.14	9.770	
1,025.0	1,025.0	1,025.1	1,025.1	2.9	2.9	-0.38	60.0	-0.4	60.0	53.8	6.23	9.637	
1,050.0	1,050.0	1,050.1	1,050.1	3.0	3.0	-0.38	60.0	-0.4	60.0	53.7	6.31	9.508	
1,075.0	1,075.0	1,075.1	1,075.1	3.0	3.0	-0.38	60.0	-0.4	60.0	53.6	6.39	9.383	
1,100.0	1,100.0	1,100.1	1,100.1	3.0	3.0	-0.38	60.0	-0.4	60.0	53.5	6.48	9.261	
1,125.0	1,125.0	1,125.1	1,125.1	3.1	3.1	-0.38	60.0	-0.4	60.0	53.4	6.56	9.145	
1,150.0	1,150.0	1,150.1	1,150.1	3.1	3.1	-0.38	60.0	-0.4	60.0	53.4	6.64	9.033	
1,175.0	1,175.0	1,175.1	1,175.1	3.2	3.2	-0.38	60.0	-0.4	60.0	53.3	6.72	8.923	
1,200.0	1,200.0	1,200.1	1,200.1	3.2	3.2	-0.38	60.0	-0.4	60.0	53.2	6.81	8.816	
1,225.0	1,225.0	1,225.1	1,225.1	3.2	3.2	-0.38	60.0	-0.4	60.0	53.1	6.89	8.714	
1,250.0	1,250.0	1,250.1	1,250.1	3.3	3.3	-0.38	60.0	-0.4	60.0	53.0	6.97	8.614	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	1,275.1	1,275.1	3.3	3.3	-0.38	60.0	-0.4	60.0	53.0	7.04	8.517	
1,300.0	1,300.0	1,300.1	1,300.1	3.4	3.4	-0.38	60.0	-0.4	60.0	52.9	7.12	8.422	
1,325.0	1,325.0	1,325.1	1,325.1	3.4	3.4	-0.38	60.0	-0.4	60.0	52.8	7.20	8.331	
1,350.0	1,350.0	1,350.1	1,350.1	3.4	3.4	-0.38	60.0	-0.4	60.0	52.7	7.28	8.242	
1,375.0	1,375.0	1,375.1	1,375.1	3.5	3.5	-0.38	60.0	-0.4	60.0	52.6	7.36	8.155	
1,400.0	1,400.0	1,400.1	1,400.1	3.5	3.5	-0.38	60.0	-0.4	60.0	52.6	7.44	8.070	
1,425.0	1,425.0	1,425.1	1,425.1	3.6	3.6	-0.38	60.0	-0.4	60.0	52.5	7.51	7.988	
1,450.0	1,450.0	1,450.1	1,450.1	3.6	3.6	-0.38	60.0	-0.4	60.0	52.4	7.59	7.908	
1,475.0	1,475.0	1,475.1	1,475.1	3.6	3.6	-0.38	60.0	-0.4	60.0	52.3	7.66	7.830	
1,500.0	1,500.0	1,500.1	1,500.1	3.7	3.7	-0.38	60.0	-0.4	60.0	52.3	7.74	7.753	
1,525.0	1,525.0	1,525.1	1,525.1	3.7	3.7	-0.38	60.0	-0.4	60.0	52.2	7.81	7.679	
1,550.0	1,550.0	1,550.1	1,550.1	3.8	3.8	-0.38	60.0	-0.4	60.0	52.1	7.89	7.606	
1,575.0	1,575.0	1,575.1	1,575.1	3.8	3.8	-0.38	60.0	-0.4	60.0	52.0	7.96	7.535	
1,600.0	1,600.0	1,600.1	1,600.1	3.8	3.8	-0.38	60.0	-0.4	60.0	52.0	8.04	7.465	
1,625.0	1,625.0	1,625.1	1,625.1	3.9	3.9	-0.38	60.0	-0.4	60.0	51.9	8.11	7.398	
1,650.0	1,650.0	1,650.1	1,650.1	3.9	3.9	-0.38	60.0	-0.4	60.0	51.8	8.18	7.331	
1,675.0	1,675.0	1,675.1	1,675.1	3.9	3.9	-0.38	60.0	-0.4	60.0	51.7	8.26	7.266	
1,700.0	1,700.0	1,700.1	1,700.1	4.0	4.0	-0.38	60.0	-0.4	60.0	51.7	8.33	7.202	
1,725.0	1,725.0	1,725.1	1,725.1	4.0	4.0	-0.38	60.0	-0.4	60.0	51.6	8.40	7.140	
1,750.0	1,750.0	1,750.1	1,750.1	4.1	4.1	-0.38	60.0	-0.4	60.0	51.5	8.48	7.080	
1,775.0	1,775.0	1,775.1	1,775.1	4.1	4.1	-0.38	60.0	-0.4	60.0	51.5	8.55	7.020	
1,800.0	1,800.0	1,800.1	1,800.1	4.1	4.1	-0.38	60.0	-0.4	60.0	51.4	8.62	6.961	
1,825.0	1,825.0	1,825.1	1,825.1	4.2	4.2	-0.38	60.0	-0.4	60.0	51.3	8.69	6.904	
1,850.0	1,850.0	1,850.1	1,850.1	4.2	4.2	-0.38	60.0	-0.4	60.0	51.2	8.76	6.848	
1,875.0	1,875.0	1,875.1	1,875.1	4.2	4.2	-0.38	60.0	-0.4	60.0	51.2	8.83	6.793	
1,900.0	1,900.0	1,900.1	1,900.1	4.3	4.3	-0.38	60.0	-0.4	60.0	51.1	8.90	6.739	
1,925.0	1,925.0	1,925.1	1,925.1	4.3	4.3	-0.38	60.0	-0.4	60.0	51.0	8.97	6.686	
1,950.0	1,950.0	1,950.1	1,950.1	4.3	4.3	-0.38	60.0	-0.4	60.0	51.0	9.04	6.634	
1,975.0	1,975.0	1,975.1	1,975.1	4.4	4.4	-0.38	60.0	-0.4	60.0	50.9	9.11	6.583	
1,991.6	1,991.6	1,991.7	1,991.7	4.4	4.4	-0.38	60.0	-0.4	60.0	50.8	9.16	6.549 CC	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-0.38	60.0	-0.4	60.0	50.8	9.18	6.533	
2,025.0	2,025.0	2,024.8	2,024.8	4.4	4.4	-55.51	60.1	-0.5	60.0	50.8	9.25	6.491 ES	
2,050.0	2,050.0	2,049.5	2,049.5	4.5	4.5	-55.88	60.2	-0.7	60.1	50.8	9.31	6.458	
2,075.0	2,075.0	2,074.2	2,074.2	4.5	4.5	-56.50	60.6	-1.2	60.3	50.9	9.38	6.432	
2,100.0	2,100.0	2,098.8	2,098.8	4.5	4.6	-57.36	61.0	-1.8	60.6	51.1	9.44	6.415	
2,125.0	2,125.0	2,123.5	2,123.4	4.6	4.6	-58.45	61.5	-2.6	60.9	51.4	9.53	6.390	
2,150.0	2,150.0	2,148.1	2,148.0	4.6	4.7	-59.76	62.2	-3.5	61.3	51.7	9.62	6.377	
2,175.0	2,175.0	2,172.7	2,172.6	4.6	4.7	-61.29	63.0	-4.6	61.9	52.2	9.71	6.376	
2,200.0	2,200.0	2,197.2	2,197.1	4.7	4.8	-63.01	63.9	-5.9	62.6	52.8	9.80	6.391	
2,225.0	2,224.9	2,221.8	2,221.5	4.7	4.8	-64.91	65.0	-7.4	63.5	53.6	9.89	6.421	
2,250.0	2,249.9	2,246.2	2,245.9	4.8	4.9	-66.96	66.1	-9.0	64.6	54.6	9.98	6.470	
2,275.0	2,274.9	2,270.7	2,270.2	4.8	5.0	-69.14	67.4	-10.8	65.8	55.8	10.07	6.540	
2,300.0	2,299.9	2,295.0	2,294.5	4.9	5.0	-71.42	68.8	-12.8	67.3	57.2	10.15	6.631	
2,325.0	2,324.8	2,319.3	2,318.7	4.9	5.1	-73.78	70.3	-14.9	69.1	58.8	10.24	6.744	
2,350.0	2,349.8	2,343.6	2,342.7	4.9	5.2	-76.19	71.9	-17.2	71.1	60.7	10.33	6.882	
2,375.0	2,374.7	2,367.7	2,366.7	5.0	5.2	-78.62	73.7	-19.6	73.4	63.0	10.41	7.046	
2,400.0	2,399.7	2,391.8	2,390.6	5.0	5.3	-81.03	75.5	-22.2	76.0	65.5	10.50	7.236	
2,425.0	2,424.6	2,416.3	2,414.8	5.1	5.4	-83.45	77.5	-25.0	78.8	68.3	10.58	7.452	
2,450.0	2,449.5	2,440.9	2,439.2	5.1	5.4	-85.78	79.4	-27.8	81.8	71.2	10.66	7.680	
2,475.0	2,474.5	2,465.4	2,463.5	5.2	5.5	-88.02	81.4	-30.5	85.0	74.2	10.73	7.917	
2,500.0	2,499.4	2,490.0	2,487.8	5.2	5.5	-90.16	83.4	-33.3	88.2	77.4	10.81	8.162	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	2,524.3	2,514.5	2,512.1	5.3	5.6	-97.05	85.4	-36.1	91.7	80.8	10.91	8.408	
2,550.0	2,549.2	2,539.0	2,536.4	5.4	5.7	-103.36	87.4	-38.9	95.5	84.5	11.01	8.675	
2,575.0	2,574.0	2,563.5	2,560.6	5.4	5.7	-109.12	89.3	-41.7	99.6	88.5	11.11	8.965	
2,600.0	2,598.9	2,587.9	2,584.8	5.5	5.8	-114.36	91.3	-44.4	104.0	92.8	11.21	9.274	
2,625.0	2,623.7	2,612.3	2,608.9	5.5	5.8	-119.12	93.3	-47.2	108.6	97.3	11.31	9.603	
2,650.0	2,648.6	2,636.6	2,633.0	5.6	5.9	-123.44	95.2	-50.0	113.6	102.2	11.42	9.948	
2,675.0	2,673.4	2,660.9	2,657.0	5.7	6.0	-127.37	97.2	-52.7	118.9	107.3	11.53	10.308	
2,700.0	2,698.2	2,685.1	2,681.0	5.7	6.1	-130.94	99.1	-55.5	124.4	112.7	11.64	10.683	
2,717.4	2,715.4	2,701.9	2,697.7	5.7	6.1	-133.24	100.5	-57.4	128.4	116.7	11.70	10.969	
2,725.0	2,722.9	2,709.3	2,704.9	5.7	6.1	-133.61	101.1	-58.2	130.2	118.4	11.74	11.088	
2,750.0	2,747.7	2,733.4	2,728.9	5.8	6.2	-134.77	103.0	-61.0	136.1	124.2	11.85	11.478	
2,775.0	2,772.4	2,757.6	2,752.8	5.9	6.3	-135.83	105.0	-63.7	142.0	130.0	11.97	11.862	
2,800.0	2,797.2	2,781.7	2,776.7	5.9	6.3	-136.81	106.9	-66.4	148.0	135.9	12.09	12.241	
2,825.0	2,822.0	2,805.9	2,800.6	6.0	6.4	-137.72	108.9	-69.2	154.0	141.8	12.21	12.609	
2,850.0	2,846.7	2,830.0	2,824.5	6.0	6.5	-138.55	110.8	-71.9	160.0	147.7	12.34	12.968	
2,875.0	2,871.5	2,854.2	2,848.5	6.1	6.6	-139.33	112.8	-74.7	166.1	153.7	12.47	13.321	
2,900.0	2,896.2	2,878.3	2,872.4	6.2	6.6	-140.05	114.7	-77.4	172.2	159.6	12.60	13.667	
2,925.0	2,921.0	2,902.5	2,896.3	6.3	6.7	-140.72	116.7	-80.1	178.4	165.6	12.74	14.004	
2,950.0	2,945.7	2,926.6	2,920.2	6.3	6.8	-141.35	118.6	-82.9	184.5	171.7	12.88	14.331	
2,975.0	2,970.5	2,950.8	2,944.1	6.4	6.9	-141.94	120.6	-85.6	190.7	177.7	13.02	14.652	
3,000.0	2,995.2	2,974.9	2,968.0	6.5	7.0	-142.49	122.5	-88.4	196.9	183.7	13.16	14.966	
3,025.0	3,020.0	2,999.1	2,992.0	6.6	7.0	-143.01	124.5	-91.1	203.1	189.8	13.30	15.271	
3,050.0	3,044.8	3,023.2	3,015.9	6.6	7.1	-143.49	126.4	-93.8	209.3	195.9	13.45	15.568	
3,075.0	3,069.5	3,047.4	3,039.8	6.7	7.2	-143.95	128.4	-96.6	215.6	202.0	13.59	15.858	
3,100.0	3,094.3	3,071.5	3,063.7	6.8	7.3	-144.39	130.3	-99.3	221.8	208.1	13.74	16.142	
3,125.0	3,119.0	3,095.7	3,087.6	6.9	7.4	-144.80	132.3	-102.1	228.1	214.2	13.89	16.418	
3,150.0	3,143.8	3,119.9	3,111.5	7.0	7.4	-145.18	134.2	-104.8	234.4	220.3	14.04	16.686	
3,175.0	3,168.5	3,144.0	3,135.5	7.1	7.5	-145.55	136.1	-107.5	240.6	226.4	14.20	16.948	
3,200.0	3,193.3	3,168.2	3,159.4	7.1	7.6	-145.90	138.1	-110.3	246.9	232.6	14.35	17.205	
3,225.0	3,218.1	3,192.3	3,183.3	7.2	7.7	-146.23	140.0	-113.0	253.2	238.7	14.51	17.453	
3,250.0	3,242.8	3,216.6	3,207.4	7.3	7.8	-146.55	142.0	-115.8	259.5	244.9	14.66	17.706	
3,275.0	3,267.6	3,242.0	3,232.5	7.4	7.9	-146.87	144.0	-118.6	265.8	250.9	14.83	17.923	
3,300.0	3,292.3	3,267.3	3,257.6	7.5	8.0	-147.17	145.9	-121.3	271.9	256.9	15.00	18.127	
3,325.0	3,317.1	3,292.8	3,282.8	7.6	8.1	-147.47	147.8	-124.0	278.0	262.8	15.17	18.317	
3,350.0	3,341.8	3,318.2	3,308.1	7.7	8.2	-147.76	149.6	-126.5	283.9	268.6	15.34	18.502	
3,375.0	3,366.6	3,343.8	3,333.5	7.8	8.2	-148.04	151.4	-129.0	289.7	274.2	15.51	18.678	
3,400.0	3,391.4	3,369.4	3,358.9	7.9	8.3	-148.31	153.1	-131.4	295.5	279.8	15.68	18.843	
3,425.0	3,416.1	3,395.0	3,384.4	8.0	8.4	-148.58	154.7	-133.7	301.1	285.3	15.85	18.996	
3,450.0	3,440.9	3,420.7	3,409.9	8.0	8.5	-148.84	156.3	-135.9	306.7	290.7	16.02	19.141	
3,475.0	3,465.6	3,446.4	3,435.5	8.1	8.6	-149.10	157.8	-138.0	312.1	295.9	16.19	19.277	
3,500.0	3,490.4	3,472.2	3,461.2	8.2	8.7	-149.35	159.2	-140.0	317.4	301.1	16.36	19.403	
3,525.0	3,515.1	3,498.0	3,486.9	8.3	8.8	-149.60	160.6	-142.0	322.7	306.2	16.53	19.518	
3,550.0	3,539.9	3,523.9	3,512.7	8.4	8.9	-149.84	161.9	-143.8	327.8	311.1	16.70	19.627	
3,575.0	3,564.7	3,549.8	3,538.5	8.5	9.0	-150.09	163.2	-145.6	332.8	316.0	16.87	19.728	
3,600.0	3,589.4	3,575.7	3,564.4	8.6	9.1	-150.32	164.3	-147.2	337.8	320.7	17.04	19.820	
3,625.0	3,614.2	3,601.8	3,590.3	8.7	9.1	-150.56	165.5	-148.8	342.6	325.4	17.21	19.903	
3,650.0	3,638.9	3,627.8	3,616.3	8.8	9.2	-150.79	166.5	-150.3	347.3	329.9	17.38	19.983	
3,675.0	3,663.7	3,653.9	3,642.3	8.9	9.3	-151.03	167.5	-151.6	351.9	334.4	17.55	20.054	
3,700.0	3,688.4	3,680.0	3,668.4	9.0	9.4	-151.26	168.4	-152.9	356.4	338.7	17.72	20.118	
3,725.0	3,713.2	3,706.2	3,694.5	9.1	9.5	-151.48	169.2	-154.1	360.8	343.0	17.89	20.175	
3,750.0	3,737.9	3,732.4	3,720.7	9.2	9.6	-151.71	170.0	-155.2	365.1	347.1	18.05	20.229	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	3,762.7	3,758.6	3,746.9	9.3	9.7	-151.94	170.7	-156.2	369.3	351.1	18.22	20.275	
3,800.0	3,787.5	3,784.9	3,773.2	9.4	9.7	-152.17	171.4	-157.1	373.4	355.0	18.38	20.316	
3,825.0	3,812.2	3,811.2	3,799.5	9.5	9.8	-152.39	171.9	-157.9	377.4	358.9	18.55	20.351	
3,850.0	3,837.0	3,837.6	3,825.8	9.6	9.9	-152.62	172.4	-158.6	381.3	362.6	18.71	20.385	
3,875.0	3,861.7	3,863.9	3,852.2	9.7	10.0	-152.85	172.9	-159.2	385.1	366.2	18.87	20.412	
3,900.0	3,886.5	3,890.4	3,878.6	9.8	10.0	-153.07	173.2	-159.7	388.8	369.7	19.03	20.433	
3,925.0	3,911.2	3,916.8	3,905.0	9.9	10.1	-153.30	173.5	-160.1	392.3	373.1	19.18	20.457	
3,950.0	3,936.0	3,943.3	3,931.5	10.0	10.2	-153.53	173.8	-160.5	395.8	376.5	19.32	20.481	
3,975.0	3,960.8	3,969.8	3,958.0	10.1	10.2	-153.75	173.9	-160.7	399.1	379.7	19.47	20.498	
4,000.0	3,985.5	3,996.3	3,984.5	10.2	10.3	-153.98	174.0	-160.8	402.4	382.8	19.62	20.510	
4,025.0	4,010.3	4,022.2	4,010.4	10.3	10.3	-154.21	174.0	-160.8	405.6	385.8	19.73	20.551	
4,050.0	4,035.0	4,046.9	4,035.1	10.4	10.3	-154.42	174.0	-160.8	408.7	388.8	19.85	20.593	
4,075.0	4,059.8	4,071.7	4,059.9	10.5	10.4	-154.63	174.0	-160.8	411.8	391.9	19.96	20.635	
4,100.0	4,084.5	4,096.5	4,084.6	10.6	10.4	-154.83	174.0	-160.8	415.0	394.9	20.07	20.675	
4,125.0	4,109.3	4,121.2	4,109.4	10.7	10.4	-155.04	174.0	-160.8	418.2	398.0	20.18	20.718	
4,150.0	4,134.1	4,146.0	4,134.2	10.8	10.4	-155.24	174.0	-160.8	421.3	401.0	20.29	20.760	
4,175.0	4,158.8	4,170.7	4,158.9	10.9	10.4	-155.43	174.0	-160.8	424.5	404.1	20.41	20.801	
4,200.0	4,183.6	4,195.5	4,183.7	11.0	10.5	-155.62	174.0	-160.8	427.7	407.1	20.52	20.842	
4,225.0	4,208.3	4,220.2	4,208.4	11.1	10.5	-155.82	174.0	-160.8	430.8	410.2	20.63	20.882	
4,250.0	4,233.1	4,245.0	4,233.2	11.2	10.5	-156.00	174.0	-160.8	434.0	413.3	20.75	20.920	
4,275.0	4,257.8	4,269.7	4,257.9	11.3	10.5	-156.19	174.0	-160.8	437.2	416.3	20.86	20.958	
4,300.0	4,282.6	4,294.5	4,282.7	11.4	10.5	-156.37	174.0	-160.8	440.4	419.4	20.98	20.995	
4,325.0	4,307.4	4,319.3	4,307.5	11.5	10.6	-156.55	174.0	-160.8	443.6	422.5	21.08	21.038	
4,350.0	4,332.1	4,344.0	4,332.2	11.6	10.6	-156.73	174.0	-160.8	446.8	425.6	21.19	21.081	
4,365.6	4,347.6	4,359.5	4,347.7	11.6	10.6	-156.84	174.0	-160.8	448.8	427.5	21.26	21.107	
4,375.0	4,356.9	4,368.8	4,357.0	11.7	10.6	-156.91	174.0	-160.8	450.0	428.7	21.30	21.124	
4,400.0	4,381.6	4,393.5	4,381.7	11.7	10.6	-157.09	174.0	-160.8	453.1	431.7	21.41	21.166	
4,425.0	4,406.4	4,418.3	4,406.5	11.8	10.6	-157.26	174.0	-160.8	456.1	434.6	21.52	21.192	
4,450.0	4,431.2	4,443.1	4,431.3	11.9	10.7	-157.42	174.0	-160.8	459.0	437.4	21.64	21.214	
4,475.0	4,456.0	4,467.9	4,456.1	12.0	10.7	-157.58	174.0	-160.8	461.9	440.1	21.76	21.230	
4,500.0	4,480.9	4,492.8	4,481.0	12.1	10.7	-157.73	174.0	-160.8	464.6	442.7	21.87	21.241	
4,525.0	4,505.7	4,517.6	4,505.8	12.2	10.7	-157.87	174.0	-160.8	467.2	445.3	21.99	21.250	
4,550.0	4,530.5	4,542.5	4,530.6	12.3	10.7	-158.01	174.0	-160.8	469.8	447.7	22.10	21.254	
4,575.0	4,555.4	4,567.3	4,555.5	12.4	10.8	-158.13	174.0	-160.8	472.2	450.0	22.22	21.253	
4,600.0	4,580.3	4,592.2	4,580.4	12.5	10.8	-158.26	174.0	-160.8	474.6	452.2	22.34	21.247	
4,625.0	4,605.2	4,617.1	4,605.3	12.6	10.8	-158.37	174.0	-160.8	476.8	454.4	22.45	21.240	
4,650.0	4,630.1	4,642.0	4,630.2	12.7	10.8	-158.48	174.0	-160.8	478.9	456.4	22.56	21.229	
4,675.0	4,655.0	4,666.9	4,655.1	12.8	10.8	-158.58	174.0	-160.8	481.0	458.3	22.67	21.213	
4,700.0	4,679.9	4,691.8	4,680.0	12.9	10.9	-158.68	174.0	-160.8	482.9	460.1	22.79	21.192	
4,725.0	4,704.8	4,716.7	4,704.9	13.0	10.9	-158.77	174.0	-160.8	484.8	461.9	22.90	21.171	
4,750.0	4,729.7	4,741.6	4,729.8	13.1	10.9	-158.86	174.0	-160.8	486.5	463.5	23.01	21.145	
4,775.0	4,754.7	4,766.6	4,754.8	13.2	10.9	-158.94	174.0	-160.8	488.2	465.0	23.12	21.115	
4,800.0	4,779.6	4,791.5	4,779.7	13.3	10.9	-159.01	174.0	-160.8	489.7	466.5	23.23	21.082	
4,825.0	4,804.6	4,816.5	4,804.7	13.4	11.0	-159.08	174.0	-160.8	491.1	467.8	23.33	21.048	
4,850.0	4,829.5	4,841.4	4,829.6	13.4	11.0	-159.15	174.0	-160.8	492.5	469.0	23.44	21.010	
4,875.0	4,854.5	4,866.4	4,854.6	13.5	11.0	-159.21	174.0	-160.8	493.7	470.2	23.55	20.968	
4,900.0	4,879.5	4,891.4	4,879.6	13.6	11.0	-159.26	174.0	-160.8	494.8	471.2	23.65	20.923	
4,925.0	4,904.4	4,916.3	4,904.5	13.7	11.0	-159.31	174.0	-160.8	495.9	472.1	23.75	20.879	
4,950.0	4,929.4	4,941.3	4,929.5	13.8	11.0	-159.35	174.0	-160.8	496.8	473.0	23.85	20.831	
4,975.0	4,954.4	4,966.3	4,954.5	13.9	11.1	-159.39	174.0	-160.8	497.6	473.7	23.95	20.779	
5,000.0	4,979.4	4,991.3	4,979.5	13.9	11.1	-159.43	174.0	-160.8	498.4	474.3	24.05	20.723	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	5,004.4	5,016.3	5,004.5	14.0	11.1	-159.46	174.0	-160.8	499.0	474.8	24.14	20.672	
5,050.0	5,029.4	5,041.3	5,029.5	14.1	11.1	-159.48	174.0	-160.8	499.5	475.3	24.23	20.618	
5,075.0	5,054.4	5,066.3	5,054.5	14.1	11.1	-159.50	174.0	-160.8	499.9	475.6	24.32	20.560	
5,100.0	5,079.4	5,091.3	5,079.5	14.2	11.2	-159.51	174.0	-160.8	500.2	475.8	24.41	20.497	
5,125.0	5,104.4	5,116.3	5,104.5	14.2	11.2	-159.52	174.0	-160.8	500.5	476.0	24.46	20.463	
5,150.0	5,129.4	5,141.3	5,129.5	14.3	11.2	-159.53	174.0	-160.8	500.6	476.1	24.51	20.425	
5,165.6	5,145.0	5,156.9	5,145.1	14.3	11.2	-75.66	174.0	-160.8	500.6	476.1	24.54	20.399	
5,175.0	5,154.4	5,166.3	5,154.5	14.3	11.2	-75.66	174.0	-160.8	500.6	476.1	24.55	20.392	
5,200.0	5,179.4	5,191.3	5,179.5	14.3	11.2	-75.66	174.0	-160.8	500.6	476.0	24.57	20.373	
5,225.0	5,204.4	5,216.3	5,204.5	14.3	11.3	-75.66	174.0	-160.8	500.6	476.0	24.61	20.345	
5,250.0	5,229.4	5,241.3	5,229.5	14.3	11.3	-75.66	174.0	-160.8	500.6	476.0	24.64	20.318	
5,275.0	5,254.4	5,266.3	5,254.5	14.3	11.3	-75.66	174.0	-160.8	500.6	475.9	24.67	20.290	
5,300.0	5,279.4	5,291.3	5,279.5	14.4	11.3	-75.66	174.0	-160.8	500.6	475.9	24.71	20.263	
5,325.0	5,304.4	5,316.3	5,304.5	14.4	11.3	-75.66	174.0	-160.8	500.6	475.9	24.74	20.236	
5,350.0	5,329.4	5,341.3	5,329.5	14.4	11.4	-75.66	174.0	-160.8	500.6	475.8	24.77	20.208	
5,375.0	5,354.4	5,366.3	5,354.5	14.4	11.4	-75.66	174.0	-160.8	500.6	475.8	24.81	20.181	
5,400.0	5,379.4	5,391.3	5,379.5	14.4	11.4	-75.66	174.0	-160.8	500.6	475.8	24.84	20.154	
5,425.0	5,404.4	5,416.3	5,404.5	14.4	11.4	-75.66	174.0	-160.8	500.6	475.7	24.87	20.127	
5,450.0	5,429.4	5,441.3	5,429.5	14.4	11.4	-75.66	174.0	-160.8	500.6	475.7	24.91	20.100	
5,475.0	5,454.4	5,466.3	5,454.5	14.5	11.5	-75.66	174.0	-160.8	500.6	475.7	24.94	20.073	
5,500.0	5,479.4	5,491.3	5,479.5	14.5	11.5	-75.66	174.0	-160.8	500.6	475.6	24.97	20.046	
5,525.0	5,504.4	5,516.3	5,504.5	14.5	11.5	-75.66	174.0	-160.8	500.6	475.6	25.01	20.019	
5,550.0	5,529.4	5,541.3	5,529.5	14.5	11.5	-75.66	174.0	-160.8	500.6	475.6	25.04	19.992	
5,575.0	5,554.4	5,566.3	5,554.5	14.5	11.5	-75.66	174.0	-160.8	500.6	475.5	25.07	19.965	
5,600.0	5,579.4	5,591.3	5,579.5	14.5	11.6	-75.66	174.0	-160.8	500.6	475.5	25.11	19.938	
5,625.0	5,604.4	5,616.3	5,604.5	14.5	11.6	-75.66	174.0	-160.8	500.6	475.5	25.14	19.912	
5,650.0	5,629.4	5,641.3	5,629.5	14.6	11.6	-75.66	174.0	-160.8	500.6	475.4	25.17	19.885	
5,675.0	5,654.4	5,666.3	5,654.5	14.6	11.6	-75.66	174.0	-160.8	500.6	475.4	25.21	19.859	
5,700.0	5,679.4	5,691.3	5,679.5	14.6	11.6	-75.66	174.0	-160.8	500.6	475.4	25.24	19.832	
5,725.0	5,704.4	5,716.3	5,704.5	14.6	11.7	-75.66	174.0	-160.8	500.6	475.3	25.28	19.806	
5,750.0	5,729.4	5,741.3	5,729.5	14.6	11.7	-75.66	174.0	-160.8	500.6	475.3	25.31	19.779	
5,775.0	5,754.4	5,766.3	5,754.5	14.6	11.7	-75.66	174.0	-160.8	500.6	475.3	25.34	19.753	
5,800.0	5,779.4	5,791.3	5,779.5	14.6	11.7	-75.66	174.0	-160.8	500.6	475.2	25.38	19.727	
5,825.0	5,804.4	5,816.3	5,804.5	14.6	11.7	-75.66	174.0	-160.8	500.6	475.2	25.41	19.700	
5,850.0	5,829.4	5,841.3	5,829.5	14.7	11.8	-75.66	174.0	-160.8	500.6	475.2	25.44	19.674	
5,875.0	5,854.4	5,866.3	5,854.5	14.7	11.8	-75.66	174.0	-160.8	500.6	475.1	25.48	19.648	
5,900.0	5,879.4	5,891.3	5,879.5	14.7	11.8	-75.66	174.0	-160.8	500.6	475.1	25.51	19.622	
5,925.0	5,904.4	5,916.3	5,904.5	14.7	11.8	-75.66	174.0	-160.8	500.6	475.1	25.55	19.596	
5,950.0	5,929.4	5,941.3	5,929.5	14.7	11.8	-75.66	174.0	-160.8	500.6	475.0	25.58	19.570	
5,975.0	5,954.4	5,966.3	5,954.5	14.7	11.9	-75.66	174.0	-160.8	500.6	475.0	25.61	19.544	
6,000.0	5,979.4	5,991.3	5,979.5	14.7	11.9	-75.66	174.0	-160.8	500.6	475.0	25.65	19.518	
6,025.0	6,004.4	6,016.3	6,004.5	14.8	11.9	-75.66	174.0	-160.8	500.6	474.9	25.68	19.492	
6,050.0	6,029.4	6,041.3	6,029.5	14.8	11.9	-75.66	174.0	-160.8	500.6	474.9	25.72	19.467	
6,075.0	6,054.4	6,066.3	6,054.5	14.8	11.9	-75.66	174.0	-160.8	500.6	474.9	25.75	19.441	
6,100.0	6,079.4	6,091.3	6,079.5	14.8	12.0	-75.66	174.0	-160.8	500.6	474.8	25.78	19.415	
6,125.0	6,104.4	6,116.3	6,104.5	14.8	12.0	-75.66	174.0	-160.8	500.6	474.8	25.82	19.390	
6,150.0	6,129.4	6,141.3	6,129.5	14.8	12.0	-75.66	174.0	-160.8	500.6	474.7	25.85	19.364	
6,175.0	6,154.4	6,166.3	6,154.5	14.8	12.0	-75.66	174.0	-160.8	500.6	474.7	25.89	19.339	
6,200.0	6,179.4	6,191.3	6,179.5	14.9	12.0	-75.66	174.0	-160.8	500.6	474.7	25.92	19.313	
6,225.0	6,204.4	6,216.3	6,204.5	14.9	12.1	-75.66	174.0	-160.8	500.6	474.6	25.95	19.288	
6,250.0	6,229.4	6,241.3	6,229.5	14.9	12.1	-75.66	174.0	-160.8	500.6	474.6	25.99	19.263	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
6,275.0	6,254.4	6,266.3	6,254.5	14.9	12.1	-75.66	174.0	-160.8	500.6	474.6	26.02	19.237	
6,300.0	6,279.4	6,291.3	6,279.5	14.9	12.1	-75.66	174.0	-160.8	500.6	474.5	26.06	19.212	
6,325.0	6,304.4	6,316.3	6,304.5	14.9	12.1	-75.66	174.0	-160.8	500.6	474.5	26.09	19.187	
6,350.0	6,329.4	6,341.3	6,329.5	14.9	12.2	-75.66	174.0	-160.8	500.6	474.5	26.12	19.162	
6,375.0	6,354.4	6,366.3	6,354.5	15.0	12.2	-75.66	174.0	-160.8	500.6	474.4	26.16	19.137	
6,400.0	6,379.4	6,391.3	6,379.5	15.0	12.2	-75.66	174.0	-160.8	500.6	474.4	26.19	19.112	
6,425.0	6,404.4	6,416.3	6,404.5	15.0	12.2	-75.66	174.0	-160.8	500.6	474.4	26.23	19.087	
6,450.0	6,429.4	6,441.3	6,429.5	15.0	12.2	-75.66	174.0	-160.8	500.6	474.3	26.26	19.062	
6,475.0	6,454.4	6,466.3	6,454.5	15.0	12.3	-75.66	174.0	-160.8	500.6	474.3	26.30	19.037	
6,500.0	6,479.4	6,491.3	6,479.5	15.0	12.3	-75.66	174.0	-160.8	500.6	474.3	26.33	19.012	
6,525.0	6,504.4	6,516.3	6,504.5	15.0	12.3	-75.66	174.0	-160.8	500.6	474.2	26.36	18.988	
6,550.0	6,529.4	6,541.3	6,529.5	15.1	12.3	-75.66	174.0	-160.8	500.6	474.2	26.40	18.963	
6,575.0	6,554.4	6,566.3	6,554.5	15.1	12.3	-75.66	174.0	-160.8	500.6	474.2	26.43	18.938	
6,600.0	6,579.4	6,591.3	6,579.5	15.1	12.3	-75.66	174.0	-160.8	500.6	474.1	26.47	18.914	
6,625.0	6,604.4	6,616.3	6,604.5	15.1	12.4	-75.66	174.0	-160.8	500.6	474.1	26.50	18.889	
6,650.0	6,629.4	6,641.3	6,629.5	15.1	12.4	-75.66	174.0	-160.8	500.6	474.1	26.54	18.865	
6,675.0	6,654.4	6,666.3	6,654.5	15.1	12.4	-75.66	174.0	-160.8	500.6	474.0	26.57	18.840	
6,700.0	6,679.4	6,691.3	6,679.5	15.1	12.4	-75.66	174.0	-160.8	500.6	474.0	26.60	18.816	
6,725.0	6,704.4	6,716.3	6,704.5	15.2	12.4	-75.66	174.0	-160.8	500.6	474.0	26.64	18.792	
6,750.0	6,729.4	6,741.3	6,729.5	15.2	12.5	-75.66	174.0	-160.8	500.6	473.9	26.67	18.767	
6,775.0	6,754.4	6,766.3	6,754.5	15.2	12.5	-75.66	174.0	-160.8	500.6	473.9	26.71	18.743	
6,800.0	6,779.4	6,791.3	6,779.5	15.2	12.5	-75.66	174.0	-160.8	500.6	473.9	26.74	18.719	
6,825.0	6,804.4	6,816.3	6,804.5	15.2	12.5	-75.66	174.0	-160.8	500.6	473.8	26.78	18.695	
6,850.0	6,829.4	6,841.3	6,829.5	15.2	12.5	-75.66	174.0	-160.8	500.6	473.8	26.81	18.671	
6,875.0	6,854.4	6,866.3	6,854.5	15.2	12.6	-75.66	174.0	-160.8	500.6	473.8	26.85	18.647	
6,900.0	6,879.4	6,891.3	6,879.5	15.3	12.6	-75.66	174.0	-160.8	500.6	473.7	26.88	18.623	
6,925.0	6,904.4	6,916.3	6,904.5	15.3	12.6	-75.66	174.0	-160.8	500.6	473.7	26.92	18.599	
6,950.0	6,929.4	6,941.3	6,929.5	15.3	12.6	-75.66	174.0	-160.8	500.6	473.7	26.95	18.575	
6,975.0	6,954.4	6,966.3	6,954.5	15.3	12.6	-75.66	174.0	-160.8	500.6	473.6	26.98	18.551	
7,000.0	6,979.4	6,991.3	6,979.5	15.3	12.7	-75.66	174.0	-160.8	500.6	473.6	27.02	18.528	
7,025.0	7,004.4	7,016.3	7,004.5	15.3	12.7	-75.66	174.0	-160.8	500.6	473.5	27.05	18.504	
7,050.0	7,029.4	7,041.3	7,029.5	15.3	12.7	-75.66	174.0	-160.8	500.6	473.5	27.09	18.480	
7,075.0	7,054.4	7,066.3	7,054.5	15.4	12.7	-75.66	174.0	-160.8	500.6	473.5	27.12	18.457	
7,100.0	7,079.4	7,091.3	7,079.5	15.4	12.7	-75.66	174.0	-160.8	500.6	473.4	27.16	18.433	
7,125.0	7,104.4	7,116.3	7,104.5	15.4	12.8	-75.66	174.0	-160.8	500.6	473.4	27.19	18.409	
7,150.0	7,129.4	7,141.3	7,129.5	15.4	12.8	-75.66	174.0	-160.8	500.6	473.4	27.23	18.386	
7,175.0	7,154.4	7,166.3	7,154.5	15.4	12.8	-75.66	174.0	-160.8	500.6	473.3	27.26	18.363	
7,200.0	7,179.4	7,191.3	7,179.5	15.4	12.8	-75.66	174.0	-160.8	500.6	473.3	27.30	18.339	
7,225.0	7,204.4	7,216.3	7,204.5	15.4	12.8	-75.66	174.0	-160.8	500.6	473.3	27.33	18.316	
7,250.0	7,229.4	7,241.3	7,229.5	15.5	12.9	-75.66	174.0	-160.8	500.6	473.2	27.37	18.293	
7,275.0	7,254.4	7,266.3	7,254.5	15.5	12.9	-75.66	174.0	-160.8	500.6	473.2	27.40	18.269	
7,300.0	7,279.4	7,291.3	7,279.5	15.5	12.9	-75.66	174.0	-160.8	500.6	473.2	27.44	18.246	
7,325.0	7,304.4	7,316.3	7,304.5	15.5	12.9	-75.66	174.0	-160.8	500.6	473.1	27.47	18.223	
7,350.0	7,329.4	7,341.3	7,329.5	15.5	12.9	-75.66	174.0	-160.8	500.6	473.1	27.51	18.200	
7,375.0	7,354.4	7,366.3	7,354.5	15.5	13.0	-75.66	174.0	-160.8	500.6	473.1	27.54	18.177	
7,400.0	7,379.4	7,391.3	7,379.5	15.6	13.0	-75.66	174.0	-160.8	500.6	473.0	27.58	18.154	
7,425.0	7,404.4	7,416.3	7,404.5	15.6	13.0	-75.66	174.0	-160.8	500.6	473.0	27.61	18.131	
7,450.0	7,429.4	7,441.3	7,429.5	15.6	13.0	-75.66	174.0	-160.8	500.6	473.0	27.64	18.108	
7,475.0	7,454.4	7,466.3	7,454.5	15.6	13.0	-75.66	174.0	-160.8	500.6	472.9	27.68	18.085	
7,500.0	7,479.4	7,491.3	7,479.5	15.6	13.1	-75.66	174.0	-160.8	500.6	472.9	27.71	18.063	
7,525.0	7,504.4	7,516.3	7,504.5	15.6	13.1	-75.66	174.0	-160.8	500.6	472.9	27.75	18.040	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
7,550.0	7,529.4	7,541.3	7,529.5	15.6	13.1	-75.66	174.0	-160.8	500.6	472.8	27.78	18.017	
7,575.0	7,554.4	7,566.3	7,554.5	15.7	13.1	-75.66	174.0	-160.8	500.6	472.8	27.82	17.995	
7,600.0	7,579.4	7,591.3	7,579.5	15.7	13.1	-75.66	174.0	-160.8	500.6	472.7	27.85	17.972	
7,625.0	7,604.4	7,616.3	7,604.5	15.7	13.2	-75.66	174.0	-160.8	500.6	472.7	27.89	17.949	
7,650.0	7,629.4	7,641.3	7,629.5	15.7	13.2	-75.66	174.0	-160.8	500.6	472.7	27.92	17.927	
7,675.0	7,654.4	7,666.3	7,654.5	15.7	13.2	-75.66	174.0	-160.8	500.6	472.6	27.96	17.904	
7,700.0	7,679.4	7,691.3	7,679.5	15.7	13.2	-75.66	174.0	-160.8	500.6	472.6	27.99	17.882	
7,725.0	7,704.4	7,716.3	7,704.5	15.7	13.2	-75.66	174.0	-160.8	500.6	472.6	28.03	17.860	
7,750.0	7,729.4	7,741.3	7,729.5	15.8	13.3	-75.66	174.0	-160.8	500.6	472.5	28.06	17.837	
7,775.0	7,754.4	7,766.3	7,754.5	15.8	13.3	-75.66	174.0	-160.8	500.6	472.5	28.10	17.815	
7,800.0	7,779.4	7,791.3	7,779.5	15.8	13.3	-75.66	174.0	-160.8	500.6	472.5	28.13	17.793	
7,825.0	7,804.4	7,816.3	7,804.5	15.8	13.3	-75.66	174.0	-160.8	500.6	472.4	28.17	17.771	
7,850.0	7,829.4	7,841.3	7,829.5	15.8	13.3	-75.66	174.0	-160.8	500.6	472.4	28.21	17.749	
7,875.0	7,854.4	7,866.3	7,854.5	15.8	13.4	-75.66	174.0	-160.8	500.6	472.4	28.24	17.727	
7,900.0	7,879.4	7,891.3	7,879.5	15.8	13.4	-75.66	174.0	-160.8	500.6	472.3	28.28	17.705	
7,925.0	7,904.4	7,916.3	7,904.5	15.9	13.4	-75.66	174.0	-160.8	500.6	472.3	28.31	17.683	
7,950.0	7,929.4	7,941.3	7,929.5	15.9	13.4	-75.66	174.0	-160.8	500.6	472.3	28.35	17.661	
7,975.0	7,954.4	7,966.3	7,954.5	15.9	13.4	-75.66	174.0	-160.8	500.6	472.2	28.38	17.639	
8,000.0	7,979.4	7,991.3	7,979.5	15.9	13.5	-75.66	174.0	-160.8	500.6	472.2	28.42	17.617	
8,025.0	8,004.4	8,016.3	8,004.5	15.9	13.5	-75.66	174.0	-160.8	500.6	472.1	28.45	17.595	
8,050.0	8,029.4	8,041.3	8,029.5	15.9	13.5	-75.66	174.0	-160.8	500.6	472.1	28.49	17.573	
8,075.0	8,054.4	8,066.3	8,054.5	16.0	13.5	-75.66	174.0	-160.8	500.6	472.1	28.52	17.552	
8,100.0	8,079.4	8,091.3	8,079.5	16.0	13.5	-75.66	174.0	-160.8	500.6	472.0	28.56	17.530	
8,125.0	8,104.4	8,116.3	8,104.5	16.0	13.6	-75.66	174.0	-160.8	500.6	472.0	28.59	17.508	
8,150.0	8,129.4	8,141.3	8,129.5	16.0	13.6	-75.66	174.0	-160.8	500.6	472.0	28.63	17.487	
8,175.0	8,154.4	8,166.3	8,154.5	16.0	13.6	-75.66	174.0	-160.8	500.6	471.9	28.66	17.465	
8,200.0	8,179.4	8,191.3	8,179.5	16.0	13.6	-75.66	174.0	-160.8	500.6	471.9	28.70	17.444	
8,225.0	8,204.4	8,216.3	8,204.5	16.0	13.6	-75.66	174.0	-160.8	500.6	471.9	28.73	17.422	
8,250.0	8,229.4	8,241.3	8,229.5	16.1	13.7	-75.66	174.0	-160.8	500.6	471.8	28.77	17.401	
8,275.0	8,254.4	8,266.3	8,254.5	16.1	13.7	-75.66	174.0	-160.8	500.6	471.8	28.80	17.379	
8,300.0	8,279.4	8,291.3	8,279.5	16.1	13.7	-75.66	174.0	-160.8	500.6	471.8	28.84	17.358	
8,325.0	8,304.4	8,316.3	8,304.5	16.1	13.7	-75.66	174.0	-160.8	500.6	471.7	28.87	17.337	
8,350.0	8,329.4	8,341.3	8,329.5	16.1	13.7	-75.66	174.0	-160.8	500.6	471.7	28.91	17.316	
8,375.0	8,354.4	8,366.3	8,354.5	16.1	13.8	-75.66	174.0	-160.8	500.6	471.7	28.95	17.295	
8,400.0	8,379.4	8,391.3	8,379.5	16.2	13.8	-75.66	174.0	-160.8	500.6	471.6	28.98	17.273	
8,425.0	8,404.4	8,416.3	8,404.5	16.2	13.8	-75.66	174.0	-160.8	500.6	471.6	29.02	17.252	
8,450.0	8,429.4	8,441.3	8,429.5	16.2	13.8	-75.66	174.0	-160.8	500.6	471.5	29.05	17.231	
8,475.0	8,454.4	8,466.3	8,454.5	16.2	13.8	-75.66	174.0	-160.8	500.6	471.5	29.09	17.210	
8,500.0	8,479.4	8,491.3	8,479.5	16.2	13.9	-75.66	174.0	-160.8	500.6	471.5	29.12	17.189	
8,525.0	8,504.4	8,516.3	8,504.5	16.2	13.9	-75.66	174.0	-160.8	500.6	471.4	29.16	17.168	
8,550.0	8,529.4	8,541.3	8,529.5	16.2	13.9	-75.66	174.0	-160.8	500.6	471.4	29.19	17.148	
8,575.0	8,554.4	8,566.3	8,554.5	16.3	13.9	-75.66	174.0	-160.8	500.6	471.4	29.23	17.127	
8,600.0	8,579.4	8,591.3	8,579.5	16.3	13.9	-75.66	174.0	-160.8	500.6	471.3	29.26	17.106	
8,625.0	8,604.4	8,616.3	8,604.5	16.3	14.0	-75.66	174.0	-160.8	500.6	471.3	29.30	17.085	
8,650.0	8,629.4	8,641.3	8,629.5	16.3	14.0	-75.66	174.0	-160.8	500.6	471.3	29.34	17.064	
8,675.0	8,654.4	8,666.3	8,654.5	16.3	14.0	-75.66	174.0	-160.8	500.6	471.2	29.37	17.044	
8,700.0	8,679.4	8,691.3	8,679.5	16.3	14.0	-75.66	174.0	-160.8	500.6	471.2	29.41	17.023	
8,725.0	8,704.4	8,716.3	8,704.5	16.4	14.0	-75.66	174.0	-160.8	500.6	471.2	29.44	17.003	
8,750.0	8,729.4	8,741.3	8,729.5	16.4	14.1	-75.66	174.0	-160.8	500.6	471.1	29.48	16.982	
8,775.0	8,754.4	8,766.3	8,754.5	16.4	14.1	-75.66	174.0	-160.8	500.6	471.1	29.51	16.962	
8,800.0	8,779.4	8,791.3	8,779.5	16.4	14.1	-75.66	174.0	-160.8	500.6	471.1	29.55	16.941	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
8,825.0	8,804.4	8,816.3	8,804.5	16.4	14.1	-75.66	174.0	-160.8	500.6	471.0	29.58	16.921	
8,850.0	8,829.4	8,841.3	8,829.5	16.4	14.1	-75.66	174.0	-160.8	500.6	471.0	29.62	16.900	
8,875.0	8,854.4	8,866.3	8,854.5	16.4	14.2	-75.66	174.0	-160.8	500.6	470.9	29.66	16.880	
8,900.0	8,879.4	8,891.3	8,879.5	16.5	14.2	-75.66	174.0	-160.8	500.6	470.9	29.69	16.860	
8,925.0	8,904.4	8,916.3	8,904.5	16.5	14.2	-75.66	174.0	-160.8	500.6	470.9	29.73	16.840	
8,950.0	8,929.4	8,941.3	8,929.5	16.5	14.2	-75.66	174.0	-160.8	500.6	470.8	29.76	16.819	
8,975.0	8,954.4	8,966.3	8,954.5	16.5	14.2	-75.66	174.0	-160.8	500.6	470.8	29.80	16.799	
9,000.0	8,979.4	8,991.3	8,979.5	16.5	14.3	-75.66	174.0	-160.8	500.6	470.8	29.83	16.779	
9,025.0	9,004.4	9,016.3	9,004.5	16.5	14.3	-75.66	174.0	-160.8	500.6	470.7	29.87	16.759	
9,050.0	9,029.4	9,041.3	9,029.5	16.6	14.3	-75.66	174.0	-160.8	500.6	470.7	29.91	16.739	
9,075.0	9,054.4	9,066.3	9,054.5	16.6	14.3	-75.66	174.0	-160.8	500.6	470.7	29.94	16.719	
9,100.0	9,079.4	9,091.3	9,079.5	16.6	14.3	-75.66	174.0	-160.8	500.6	470.6	29.98	16.699	
9,125.0	9,104.4	9,116.3	9,104.5	16.6	14.4	-75.66	174.0	-160.8	500.6	470.6	30.01	16.679	
9,150.0	9,129.4	9,141.3	9,129.5	16.6	14.4	-75.66	174.0	-160.8	500.6	470.6	30.05	16.659	
9,175.0	9,154.4	9,166.3	9,154.5	16.6	14.4	-75.66	174.0	-160.8	500.6	470.5	30.08	16.640	
9,200.0	9,179.4	9,191.3	9,179.5	16.6	14.4	-75.66	174.0	-160.8	500.6	470.5	30.12	16.620	
9,225.0	9,204.4	9,216.3	9,204.5	16.7	14.4	-75.66	174.0	-160.8	500.6	470.4	30.16	16.600	
9,250.0	9,229.4	9,241.3	9,229.5	16.7	14.5	-75.66	174.0	-160.8	500.6	470.4	30.19	16.580	
9,275.0	9,254.4	9,266.3	9,254.5	16.7	14.5	-75.66	174.0	-160.8	500.6	470.4	30.23	16.561	
9,300.0	9,279.4	9,291.3	9,279.5	16.7	14.5	-75.66	174.0	-160.8	500.6	470.3	30.26	16.541	
9,325.0	9,304.4	9,316.3	9,304.5	16.7	14.5	-75.66	174.0	-160.8	500.6	470.3	30.30	16.522	
9,350.0	9,329.4	9,341.3	9,329.5	16.7	14.5	-75.66	174.0	-160.8	500.6	470.3	30.34	16.502	
9,375.0	9,354.4	9,366.3	9,354.5	16.8	14.6	-75.66	174.0	-160.8	500.6	470.2	30.37	16.483	
9,400.0	9,379.4	9,391.3	9,379.5	16.8	14.6	-75.66	174.0	-160.8	500.6	470.2	30.41	16.463	
9,425.0	9,404.4	9,416.3	9,404.5	16.8	14.6	-75.66	174.0	-160.8	500.6	470.2	30.44	16.444	
9,450.0	9,429.4	9,441.3	9,429.5	16.8	14.6	-75.66	174.0	-160.8	500.6	470.1	30.48	16.424	
9,475.0	9,454.4	9,466.3	9,454.5	16.8	14.6	-75.66	174.0	-160.8	500.6	470.1	30.52	16.405	
9,500.0	9,479.4	9,491.3	9,479.5	16.8	14.7	-75.66	174.0	-160.8	500.6	470.0	30.55	16.386	
9,525.0	9,504.4	9,516.3	9,504.5	16.8	14.7	-75.66	174.0	-160.8	500.6	470.0	30.59	16.366	
9,550.0	9,529.4	9,541.3	9,529.5	16.9	14.7	-75.66	174.0	-160.8	500.6	470.0	30.62	16.347	
9,575.0	9,554.4	9,566.3	9,554.5	16.9	14.7	-75.66	174.0	-160.8	500.6	469.9	30.66	16.328	
9,600.0	9,579.4	9,591.3	9,579.5	16.9	14.7	-75.66	174.0	-160.8	500.6	469.9	30.69	16.309	
9,625.0	9,604.4	9,616.3	9,604.5	16.9	14.8	-75.66	174.0	-160.8	500.6	469.9	30.73	16.290	
9,650.0	9,629.4	9,641.3	9,629.5	16.9	14.8	-75.66	174.0	-160.8	500.6	469.8	30.77	16.271	
9,675.0	9,654.4	9,666.3	9,654.5	16.9	14.8	-75.66	174.0	-160.8	500.6	469.8	30.80	16.252	
9,700.0	9,679.4	9,691.3	9,679.5	17.0	14.8	-75.66	174.0	-160.8	500.6	469.8	30.84	16.233	
9,725.0	9,704.4	9,716.3	9,704.5	17.0	14.8	-75.66	174.0	-160.8	500.6	469.7	30.87	16.214	
9,750.0	9,729.4	9,741.3	9,729.5	17.0	14.9	-75.66	174.0	-160.8	500.6	469.7	30.91	16.195	
9,775.0	9,754.4	9,766.3	9,754.5	17.0	14.9	-75.66	174.0	-160.8	500.6	469.7	30.95	16.176	
9,800.0	9,779.4	9,791.3	9,779.5	17.0	14.9	-75.66	174.0	-160.8	500.6	469.6	30.98	16.157	
9,825.0	9,804.4	9,816.3	9,804.5	17.0	14.9	-75.66	174.0	-160.8	500.6	469.6	31.02	16.138	
9,850.0	9,829.4	9,841.3	9,829.5	17.1	14.9	-75.66	174.0	-160.8	500.6	469.5	31.06	16.120	
9,875.0	9,854.4	9,866.3	9,854.5	17.1	15.0	-75.66	174.0	-160.8	500.6	469.5	31.09	16.101	
9,900.0	9,879.4	9,891.3	9,879.5	17.1	15.0	-75.66	174.0	-160.8	500.6	469.5	31.13	16.082	
9,925.0	9,904.4	9,916.3	9,904.5	17.1	15.0	-75.66	174.0	-160.8	500.6	469.4	31.16	16.064	
9,950.0	9,929.4	9,941.3	9,929.5	17.1	15.0	-75.66	174.0	-160.8	500.6	469.4	31.20	16.045	
9,975.0	9,954.4	9,966.3	9,954.5	17.1	15.0	-75.66	174.0	-160.8	500.6	469.4	31.24	16.026	
10,000.0	9,979.4	9,991.3	9,979.5	17.1	15.1	-75.66	174.0	-160.8	500.6	469.3	31.27	16.008	
10,002.5	9,981.9	9,993.8	9,982.0	17.2	15.1	-75.66	174.0	-160.8	500.6	469.3	31.28	16.006	
10,025.0	10,004.4	10,013.0	10,001.2	17.2	15.1	-75.64	174.2	-160.8	500.7	469.4	31.30	15.997	
10,050.0	10,029.4	10,032.8	10,020.9	17.2	15.1	-75.54	175.1	-160.8	500.9	469.6	31.31	15.998	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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	10,054.4	10,050.0	10,038.1	17.2	15.1	-75.37	176.6	-160.8	501.5	470.2	31.33	16.007	
10,100.0	10,079.4	10,071.9	10,059.8	17.2	15.1	-75.07	179.4	-160.8	502.3	471.0	31.34	16.027	
10,125.0	10,104.4	10,091.2	10,078.8	17.2	15.1	-74.71	182.6	-160.8	503.5	472.1	31.36	16.056	
10,150.0	10,129.4	10,110.1	10,097.4	17.2	15.1	-74.27	186.6	-160.8	504.9	473.5	31.37	16.093	
10,175.0	10,154.4	10,128.8	10,115.4	17.3	15.1	-73.77	191.2	-160.8	506.7	475.3	31.39	16.141	
10,200.0	10,179.4	10,150.0	10,135.8	17.3	15.1	-73.11	197.3	-160.8	508.8	477.4	31.40	16.204	
10,225.0	10,204.4	10,164.8	10,149.7	17.3	15.1	-72.60	202.0	-160.8	511.2	479.8	31.43	16.265	
10,250.0	10,229.4	10,182.1	10,165.9	17.3	15.1	-71.94	208.2	-160.8	514.1	482.7	31.46	16.341	
10,275.0	10,254.4	10,200.0	10,182.4	17.3	15.1	-71.20	215.1	-160.8	517.4	485.9	31.49	16.431	
10,300.0	10,279.4	10,215.3	10,196.3	17.3	15.1	-70.52	221.6	-160.9	521.2	489.6	31.54	16.524	
10,307.2	10,286.6	10,219.9	10,200.4	17.4	15.1	-70.31	223.6	-160.9	522.3	490.8	31.55	16.554	
10,325.0	10,304.4	10,231.2	10,210.5	17.4	15.1	-69.39	228.7	-160.9	525.3	493.8	31.53	16.658	
10,350.0	10,329.3	10,250.0	10,227.0	17.4	15.1	-68.11	237.8	-160.9	529.5	497.9	31.56	16.778	
10,375.0	10,354.1	10,262.7	10,237.9	17.4	15.1	-67.12	244.3	-160.9	533.6	502.0	31.64	16.866	
10,400.0	10,378.8	10,275.0	10,248.3	17.4	15.2	-66.18	250.8	-160.9	537.7	506.0	31.74	16.944	
10,425.0	10,403.2	10,293.8	10,263.9	17.4	15.2	-65.05	261.4	-160.9	541.8	510.0	31.79	17.041	
10,450.0	10,427.2	10,309.3	10,276.4	17.4	15.2	-64.10	270.5	-160.9	545.7	513.8	31.89	17.113	
10,475.0	10,450.9	10,325.0	10,288.8	17.4	15.2	-63.18	280.2	-160.9	549.6	517.6	31.99	17.178	
10,500.0	10,474.2	10,340.0	10,300.2	17.4	15.2	-62.35	289.8	-160.9	553.3	521.2	32.12	17.228	
10,525.0	10,496.9	10,355.2	10,311.6	17.4	15.2	-61.55	299.9	-160.9	556.9	524.6	32.25	17.269	
10,550.0	10,519.0	10,375.0	10,325.9	17.4	15.2	-60.71	313.6	-161.0	560.3	528.0	32.34	17.328	
10,575.0	10,540.5	10,385.6	10,333.3	17.4	15.2	-60.13	321.2	-161.0	563.5	530.9	32.53	17.322	
10,600.0	10,561.3	10,400.0	10,343.1	17.4	15.2	-59.52	331.7	-161.0	566.5	533.8	32.69	17.329	
10,625.0	10,581.4	10,415.8	10,353.5	17.4	15.2	-58.94	343.6	-161.0	569.2	536.4	32.84	17.335	
10,650.0	10,600.7	10,430.9	10,363.1	17.4	15.2	-58.43	355.3	-161.0	571.8	538.8	33.00	17.327	
10,675.0	10,619.0	10,450.0	10,374.6	17.4	15.2	-57.91	370.5	-161.0	574.1	541.0	33.12	17.336	
10,700.0	10,636.5	10,460.9	10,380.9	17.4	15.3	-57.57	379.4	-161.0	576.1	542.8	33.32	17.288	
10,725.0	10,653.0	10,475.0	10,388.8	17.4	15.3	-57.24	391.1	-161.1	577.9	544.4	33.50	17.252	
10,750.0	10,668.6	10,490.8	10,397.2	17.4	15.3	-56.94	404.5	-161.1	579.4	545.7	33.65	17.219	
10,775.0	10,683.0	10,505.8	10,404.7	17.5	15.3	-56.71	417.4	-161.1	580.6	546.8	33.81	17.174	
10,800.0	10,696.4	10,525.0	10,413.8	17.5	15.3	-56.51	434.4	-161.1	581.6	547.7	33.92	17.146	
10,825.0	10,708.7	10,535.6	10,418.5	17.5	15.3	-56.41	443.9	-161.1	582.2	548.1	34.11	17.067	
10,850.0	10,719.8	10,550.0	10,424.6	17.5	15.3	-56.34	456.9	-161.1	582.6	548.3	34.26	17.004	
10,875.0	10,729.7	10,565.4	10,430.7	17.5	15.3	-56.33	471.1	-161.1	582.6	548.2	34.39	16.941	
10,900.0	10,738.4	10,580.3	10,436.1	17.6	15.3	-56.37	485.0	-161.2	582.4	547.9	34.52	16.871	
10,925.0	10,745.8	10,600.0	10,442.5	17.6	15.4	-56.48	503.6	-161.2	581.9	547.3	34.60	16.816	
10,950.0	10,752.0	10,610.2	10,445.6	17.6	15.4	-56.62	513.3	-161.2	581.1	546.3	34.75	16.721	
10,975.0	10,757.0	10,625.0	10,449.7	17.6	15.4	-56.82	527.5	-161.2	580.0	545.1	34.85	16.641	
11,000.0	10,760.6	10,640.1	10,453.3	17.7	15.4	-57.09	542.1	-161.2	578.6	543.7	34.94	16.559	
11,025.0	10,762.9	10,655.0	10,456.5	17.7	15.4	-57.41	556.8	-161.2	577.0	541.9	35.02	16.474	
11,050.0	10,764.0	10,670.0	10,459.3	17.8	15.4	-57.78	571.5	-161.3	575.0	539.9	35.09	16.386	
11,052.3	10,764.0	10,675.0	10,460.1	17.8	15.4	-57.87	576.4	-161.3	574.9	539.8	35.08	16.386	
11,075.0	10,764.2	10,685.1	10,461.6	17.8	15.4	-57.98	586.4	-161.3	573.1	538.0	35.16	16.303	
11,100.0	10,764.5	10,700.0	10,463.4	17.8	15.5	-58.12	601.2	-161.3	571.7	536.4	35.22	16.229	
11,125.0	10,764.7	10,715.5	10,464.8	17.9	15.5	-58.23	616.6	-161.3	570.6	535.3	35.30	16.163	
11,150.0	10,765.0	10,730.8	10,465.6	18.0	15.5	-58.29	631.9	-161.3	570.0	534.6	35.39	16.108	
11,175.0	10,765.3	10,746.7	10,466.0	18.0	15.5	-58.31	647.8	-161.4	569.8	534.3	35.48	16.062	
11,200.0	10,765.5	10,771.7	10,466.3	18.1	15.6	-58.31	672.8	-161.4	569.8	534.3	35.56	16.023	
11,225.0	10,765.8	10,796.7	10,466.5	18.1	15.6	-58.31	697.8	-161.4	569.8	534.2	35.66	15.980	
11,250.0	10,766.0	10,821.7	10,466.8	18.2	15.6	-58.31	722.8	-161.4	569.8	534.1	35.76	15.934	
11,275.0	10,766.3	10,846.7	10,467.1	18.3	15.7	-58.31	747.8	-161.5	569.8	533.9	35.86	15.888	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
11,300.0	10,766.5	10,871.7	10,467.3	18.3	15.7	-58.31	772.8	-161.5	569.8	533.8	35.97	15.843	
11,325.0	10,766.8	10,896.7	10,467.6	18.4	15.8	-58.31	797.8	-161.5	569.8	533.7	36.08	15.794	
11,350.0	10,767.0	10,921.7	10,467.8	18.5	15.8	-58.31	822.8	-161.6	569.8	533.6	36.19	15.743	
11,375.0	10,767.3	10,946.7	10,468.1	18.5	15.9	-58.31	847.8	-161.6	569.8	533.5	36.31	15.691	
11,400.0	10,767.6	10,971.7	10,468.4	18.6	16.0	-58.31	872.8	-161.6	569.8	533.4	36.43	15.640	
11,425.0	10,767.8	10,996.7	10,468.6	18.7	16.0	-58.31	897.8	-161.6	569.8	533.2	36.56	15.587	
11,450.0	10,768.1	11,021.7	10,468.9	18.8	16.1	-58.31	922.8	-161.7	569.8	533.1	36.69	15.531	
11,475.0	10,768.3	11,046.7	10,469.1	18.9	16.2	-58.31	947.8	-161.7	569.8	533.0	36.82	15.475	
11,500.0	10,768.6	11,071.7	10,469.4	19.0	16.3	-58.31	972.8	-161.7	569.8	532.8	36.95	15.420	
11,525.0	10,768.8	11,096.7	10,469.7	19.0	16.3	-58.32	997.8	-161.8	569.8	532.7	37.09	15.362	
11,550.0	10,769.1	11,121.7	10,469.9	19.1	16.4	-58.32	1,022.8	-161.8	569.8	532.5	37.24	15.302	
11,575.0	10,769.3	11,146.7	10,470.2	19.2	16.5	-58.32	1,047.8	-161.8	569.8	532.4	37.38	15.242	
11,600.0	10,769.6	11,171.7	10,470.5	19.3	16.6	-58.32	1,072.8	-161.9	569.8	532.2	37.53	15.183	
11,625.0	10,769.9	11,196.7	10,470.7	19.4	16.7	-58.32	1,097.8	-161.9	569.8	532.1	37.68	15.121	
11,650.0	10,770.1	11,221.7	10,471.0	19.5	16.8	-58.32	1,122.8	-161.9	569.8	531.9	37.84	15.058	
11,675.0	10,770.4	11,246.7	10,471.2	19.6	16.9	-58.32	1,147.8	-161.9	569.8	531.8	38.00	14.995	
11,700.0	10,770.6	11,271.7	10,471.5	19.7	17.0	-58.32	1,172.8	-162.0	569.8	531.6	38.16	14.933	
11,725.0	10,770.9	11,296.7	10,471.8	19.8	17.1	-58.32	1,197.8	-162.0	569.8	531.4	38.32	14.868	
11,750.0	10,771.1	11,321.7	10,472.0	19.9	17.2	-58.32	1,222.8	-162.0	569.8	531.3	38.49	14.803	
11,775.0	10,771.4	11,346.7	10,472.3	20.0	17.3	-58.32	1,247.8	-162.1	569.8	531.1	38.66	14.737	
11,800.0	10,771.6	11,371.7	10,472.5	20.1	17.4	-58.32	1,272.8	-162.1	569.8	530.9	38.83	14.672	
11,825.0	10,771.9	11,396.7	10,472.8	20.3	17.5	-58.32	1,297.8	-162.1	569.7	530.7	39.01	14.606	
11,850.0	10,772.2	11,421.7	10,473.1	20.4	17.6	-58.32	1,322.8	-162.1	569.7	530.6	39.19	14.538	
11,875.0	10,772.4	11,446.7	10,473.3	20.5	17.7	-58.32	1,347.8	-162.2	569.7	530.4	39.37	14.470	
11,900.0	10,772.7	11,471.7	10,473.6	20.6	17.9	-58.32	1,372.8	-162.2	569.7	530.2	39.56	14.404	
11,925.0	10,772.9	11,496.7	10,473.9	20.7	18.0	-58.32	1,397.8	-162.2	569.7	530.0	39.74	14.335	
11,950.0	10,773.2	11,521.7	10,474.1	20.8	18.1	-58.32	1,422.8	-162.3	569.7	529.8	39.94	14.266	
11,975.0	10,773.4	11,546.7	10,474.4	21.0	18.2	-58.32	1,447.8	-162.3	569.7	529.6	40.13	14.197	
12,000.0	10,773.7	11,571.7	10,474.6	21.1	18.4	-58.33	1,472.8	-162.3	569.7	529.4	40.32	14.129	
12,025.0	10,773.9	11,596.7	10,474.9	21.2	18.5	-58.33	1,497.8	-162.3	569.7	529.2	40.52	14.059	
12,050.0	10,774.2	11,621.7	10,475.2	21.3	18.6	-58.33	1,522.8	-162.4	569.7	529.0	40.73	13.989	
12,075.0	10,774.5	11,646.7	10,475.4	21.5	18.8	-58.33	1,547.8	-162.4	569.7	528.8	40.93	13.920	
12,100.0	10,774.7	11,671.7	10,475.7	21.6	18.9	-58.33	1,572.8	-162.4	569.7	528.6	41.13	13.850	
12,125.0	10,775.0	11,696.7	10,475.9	21.7	19.0	-58.33	1,597.8	-162.5	569.7	528.4	41.34	13.780	
12,150.0	10,775.2	11,721.7	10,476.2	21.8	19.2	-58.33	1,622.8	-162.5	569.7	528.2	41.55	13.710	
12,175.0	10,775.5	11,746.7	10,476.5	22.0	19.3	-58.33	1,647.8	-162.5	569.7	527.9	41.77	13.640	
12,200.0	10,775.7	11,771.7	10,476.7	22.1	19.4	-58.33	1,672.8	-162.6	569.7	527.7	41.98	13.570	
12,225.0	10,776.0	11,796.7	10,477.0	22.2	19.6	-58.33	1,697.8	-162.6	569.7	527.5	42.20	13.500	
12,250.0	10,776.2	11,821.7	10,477.3	22.4	19.7	-58.33	1,722.8	-162.6	569.7	527.3	42.42	13.429	
12,275.0	10,776.5	11,846.7	10,477.5	22.5	19.9	-58.33	1,747.8	-162.6	569.7	527.0	42.65	13.359	
12,300.0	10,776.8	11,871.7	10,477.8	22.7	20.0	-58.33	1,772.8	-162.7	569.7	526.8	42.87	13.289	
12,325.0	10,777.0	11,896.7	10,478.0	22.8	20.2	-58.33	1,797.8	-162.7	569.7	526.6	43.10	13.219	
12,350.0	10,777.3	11,921.7	10,478.3	22.9	20.3	-58.33	1,822.8	-162.7	569.7	526.4	43.33	13.149	
12,375.0	10,777.5	11,946.7	10,478.6	23.1	20.5	-58.33	1,847.8	-162.8	569.7	526.1	43.56	13.079	
12,400.0	10,777.8	11,971.7	10,478.8	23.2	20.6	-58.33	1,872.8	-162.8	569.7	525.9	43.79	13.010	
12,425.0	10,778.0	11,996.7	10,479.1	23.4	20.8	-58.33	1,897.8	-162.8	569.7	525.7	44.02	12.940	
12,450.0	10,778.3	12,021.7	10,479.3	23.5	20.9	-58.33	1,922.7	-162.8	569.7	525.4	44.26	12.870	
12,475.0	10,778.5	12,046.7	10,479.6	23.7	21.1	-58.33	1,947.7	-162.9	569.7	525.2	44.50	12.801	
12,500.0	10,778.8	12,071.7	10,479.9	23.8	21.2	-58.34	1,972.7	-162.9	569.7	524.9	44.74	12.732	
12,525.0	10,779.1	12,096.7	10,480.1	24.0	21.4	-58.34	1,997.7	-162.9	569.7	524.7	44.99	12.663	
12,550.0	10,779.3	12,121.7	10,480.4	24.1	21.6	-58.34	2,022.7	-163.0	569.7	524.4	45.23	12.594	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
12,575.0	10,779.6	12,146.7	10,480.6	24.3	21.7	-58.34	2,047.7	-163.0	569.7	524.2	45.48	12.526	
12,600.0	10,779.8	12,171.7	10,480.9	24.4	21.9	-58.34	2,072.7	-163.0	569.7	523.9	45.73	12.458	
12,625.0	10,780.1	12,196.7	10,481.2	24.6	22.0	-58.34	2,097.7	-163.1	569.7	523.7	45.98	12.390	
12,650.0	10,780.3	12,221.7	10,481.4	24.7	22.2	-58.34	2,122.7	-163.1	569.7	523.4	46.23	12.322	
12,675.0	10,780.6	12,246.7	10,481.7	24.9	22.4	-58.34	2,147.7	-163.1	569.6	523.2	46.48	12.255	
12,700.0	10,780.8	12,271.7	10,482.0	25.0	22.5	-58.34	2,172.7	-163.1	569.6	522.9	46.74	12.188	
12,725.0	10,781.1	12,296.7	10,482.2	25.2	22.7	-58.34	2,197.7	-163.2	569.6	522.6	47.00	12.121	
12,750.0	10,781.4	12,321.7	10,482.5	25.3	22.9	-58.34	2,222.7	-163.2	569.6	522.4	47.26	12.054	
12,775.0	10,781.6	12,346.7	10,482.7	25.5	23.0	-58.34	2,247.7	-163.2	569.6	522.1	47.52	11.988	
12,800.0	10,781.9	12,371.7	10,483.0	25.6	23.2	-58.34	2,272.7	-163.3	569.6	521.9	47.78	11.922	
12,825.0	10,782.1	12,396.7	10,483.3	25.8	23.4	-58.34	2,297.7	-163.3	569.6	521.6	48.04	11.857	
12,850.0	10,782.4	12,421.7	10,483.5	26.0	23.5	-58.34	2,322.7	-163.3	569.6	521.3	48.31	11.791	
12,875.0	10,782.6	12,446.7	10,483.8	26.1	23.7	-58.34	2,347.7	-163.3	569.6	521.0	48.58	11.727	
12,900.0	10,782.9	12,471.7	10,484.0	26.3	23.9	-58.34	2,372.7	-163.4	569.6	520.8	48.84	11.662	
12,925.0	10,783.1	12,496.7	10,484.3	26.5	24.0	-58.34	2,397.7	-163.4	569.6	520.5	49.11	11.598	
12,950.0	10,783.4	12,521.7	10,484.6	26.6	24.2	-58.34	2,422.7	-163.4	569.6	520.2	49.38	11.534	
12,975.0	10,783.6	12,546.7	10,484.8	26.8	24.4	-58.34	2,447.7	-163.5	569.6	520.0	49.66	11.471	
13,000.0	10,783.9	12,571.7	10,485.1	26.9	24.6	-58.35	2,472.7	-163.5	569.6	519.7	49.93	11.408	
13,025.0	10,784.2	12,596.7	10,485.4	27.1	24.7	-58.35	2,497.7	-163.5	569.6	519.4	50.21	11.345	
13,050.0	10,784.4	12,621.7	10,485.6	27.3	24.9	-58.35	2,522.7	-163.5	569.6	519.1	50.48	11.283	
13,075.0	10,784.7	12,646.7	10,485.9	27.4	25.1	-58.35	2,547.7	-163.6	569.6	518.8	50.76	11.221	
13,100.0	10,784.9	12,671.7	10,486.1	27.6	25.3	-58.35	2,572.7	-163.6	569.6	518.6	51.04	11.160	
13,125.0	10,785.2	12,696.7	10,486.4	27.8	25.4	-58.35	2,597.7	-163.6	569.6	518.3	51.32	11.099	
13,150.0	10,785.4	12,721.7	10,486.7	27.9	25.6	-58.35	2,622.7	-163.7	569.6	518.0	51.60	11.038	
13,175.0	10,785.7	12,746.7	10,486.9	28.1	25.8	-58.35	2,647.7	-163.7	569.6	517.7	51.89	10.978	
13,200.0	10,785.9	12,771.7	10,487.2	28.3	26.0	-58.35	2,672.7	-163.7	569.6	517.4	52.17	10.918	
13,225.0	10,786.2	12,796.7	10,487.4	28.5	26.1	-58.35	2,697.7	-163.8	569.6	517.1	52.46	10.858	
13,250.0	10,786.5	12,821.7	10,487.7	28.6	26.3	-58.35	2,722.7	-163.8	569.6	516.8	52.74	10.799	
13,275.0	10,786.7	12,846.7	10,488.0	28.8	26.5	-58.35	2,747.7	-163.8	569.6	516.5	53.03	10.741	
13,300.0	10,787.0	12,871.7	10,488.2	29.0	26.7	-58.35	2,772.7	-163.8	569.6	516.3	53.32	10.682	
13,325.0	10,787.2	12,896.7	10,488.5	29.1	26.9	-58.35	2,797.7	-163.9	569.6	516.0	53.61	10.625	
13,350.0	10,787.5	12,921.7	10,488.8	29.3	27.0	-58.35	2,822.7	-163.9	569.6	515.7	53.90	10.567	
13,375.0	10,787.7	12,946.7	10,489.0	29.5	27.2	-58.35	2,847.7	-163.9	569.6	515.4	54.19	10.510	
13,400.0	10,788.0	12,971.7	10,489.3	29.7	27.4	-58.35	2,872.7	-164.0	569.6	515.1	54.49	10.453	
13,425.0	10,788.2	12,996.7	10,489.5	29.8	27.6	-58.35	2,897.7	-164.0	569.6	514.8	54.78	10.397	
13,450.0	10,788.5	13,021.7	10,489.8	30.0	27.8	-58.35	2,922.7	-164.0	569.6	514.5	55.08	10.341	
13,475.0	10,788.8	13,046.7	10,490.1	30.2	28.0	-58.35	2,947.7	-164.0	569.6	514.2	55.37	10.286	
13,500.0	10,789.0	13,071.7	10,490.3	30.4	28.1	-58.36	2,972.7	-164.1	569.5	513.9	55.67	10.231	
13,525.0	10,789.3	13,096.7	10,490.6	30.5	28.3	-58.36	2,997.7	-164.1	569.5	513.6	55.97	10.176	
13,550.0	10,789.5	13,121.7	10,490.8	30.7	28.5	-58.36	3,022.7	-164.1	569.5	513.3	56.27	10.122	
13,575.0	10,789.8	13,146.7	10,491.1	30.9	28.7	-58.36	3,047.7	-164.2	569.5	513.0	56.57	10.068	
13,600.0	10,790.0	13,171.7	10,491.4	31.1	28.9	-58.36	3,072.7	-164.2	569.5	512.7	56.87	10.015	
13,625.0	10,790.3	13,196.7	10,491.6	31.3	29.1	-58.36	3,097.7	-164.2	569.5	512.4	57.17	9.962	
13,650.0	10,790.5	13,221.7	10,491.9	31.4	29.3	-58.36	3,122.7	-164.3	569.5	512.1	57.48	9.909	
13,675.0	10,790.8	13,246.7	10,492.1	31.6	29.4	-58.36	3,147.7	-164.3	569.5	511.7	57.78	9.857	
13,700.0	10,791.1	13,271.7	10,492.4	31.8	29.6	-58.36	3,172.7	-164.3	569.5	511.4	58.08	9.805	
13,725.0	10,791.3	13,296.7	10,492.7	32.0	29.8	-58.36	3,197.7	-164.3	569.5	511.1	58.39	9.754	
13,750.0	10,791.6	13,321.7	10,492.9	32.2	30.0	-58.36	3,222.7	-164.4	569.5	510.8	58.70	9.703	
13,775.0	10,791.8	13,346.7	10,493.2	32.3	30.2	-58.36	3,247.7	-164.4	569.5	510.5	59.00	9.652	
13,800.0	10,792.1	13,371.7	10,493.5	32.5	30.4	-58.36	3,272.7	-164.4	569.5	510.2	59.31	9.602	
13,825.0	10,792.3	13,396.7	10,493.7	32.7	30.6	-58.36	3,297.7	-164.5	569.5	509.9	59.62	9.552	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
13,850.0	10,792.6	13,421.7	10,494.0	32.9	30.8	-58.36	3,322.7	-164.5	569.5	509.6	59.93	9.503	
13,875.0	10,792.8	13,446.7	10,494.2	33.1	31.0	-58.36	3,347.7	-164.5	569.5	509.3	60.24	9.453	
13,900.0	10,793.1	13,471.7	10,494.5	33.2	31.1	-58.36	3,372.7	-164.5	569.5	508.9	60.55	9.405	
13,925.0	10,793.4	13,496.7	10,494.8	33.4	31.3	-58.36	3,397.7	-164.6	569.5	508.6	60.87	9.357	
13,950.0	10,793.6	13,521.7	10,495.0	33.6	31.5	-58.36	3,422.7	-164.6	569.5	508.3	61.18	9.309	
13,975.0	10,793.9	13,546.7	10,495.3	33.8	31.7	-58.37	3,447.7	-164.6	569.5	508.0	61.49	9.261	
14,000.0	10,794.1	13,571.7	10,495.5	34.0	31.9	-58.37	3,472.7	-164.7	569.5	507.7	61.81	9.214	
14,025.0	10,794.4	13,596.7	10,495.8	34.2	32.1	-58.37	3,497.7	-164.7	569.5	507.4	62.12	9.167	
14,050.0	10,794.6	13,621.7	10,496.1	34.4	32.3	-58.37	3,522.7	-164.7	569.5	507.0	62.44	9.121	
14,075.0	10,794.9	13,646.7	10,496.3	34.5	32.5	-58.37	3,547.7	-164.7	569.5	506.7	62.76	9.075	
14,100.0	10,795.1	13,671.7	10,496.6	34.7	32.7	-58.37	3,572.7	-164.8	569.5	506.4	63.07	9.029	
14,125.0	10,795.4	13,696.7	10,496.9	34.9	32.9	-58.37	3,597.7	-164.8	569.5	506.1	63.39	8.984	
14,150.0	10,795.7	13,721.7	10,497.1	35.1	33.1	-58.37	3,622.7	-164.8	569.5	505.8	63.71	8.939	
14,175.0	10,795.9	13,746.7	10,497.4	35.3	33.3	-58.37	3,647.7	-164.9	569.5	505.4	64.03	8.894	
14,200.0	10,796.2	13,771.7	10,497.6	35.5	33.4	-58.37	3,672.7	-164.9	569.5	505.1	64.35	8.850	
14,225.0	10,796.4	13,796.7	10,497.9	35.7	33.6	-58.37	3,697.7	-164.9	569.5	504.8	64.67	8.806	
14,250.0	10,796.7	13,821.7	10,498.2	35.9	33.8	-58.37	3,722.6	-165.0	569.5	504.5	64.99	8.762	
14,275.0	10,796.9	13,846.7	10,498.4	36.0	34.0	-58.37	3,747.6	-165.0	569.5	504.1	65.31	8.719	
14,300.0	10,797.2	13,871.7	10,498.7	36.2	34.2	-58.37	3,772.6	-165.0	569.5	503.8	65.63	8.676	
14,325.0	10,797.4	13,896.7	10,498.9	36.4	34.4	-58.37	3,797.6	-165.0	569.5	503.5	65.96	8.634	
14,350.0	10,797.7	13,921.7	10,499.2	36.6	34.6	-58.37	3,822.6	-165.1	569.4	503.2	66.28	8.591	
14,375.0	10,798.0	13,946.7	10,499.5	36.8	34.8	-58.37	3,847.6	-165.1	569.4	502.8	66.61	8.549	
14,400.0	10,798.2	13,971.7	10,499.7	37.0	35.0	-58.37	3,872.6	-165.1	569.4	502.5	66.93	8.508	
14,425.0	10,798.5	13,996.7	10,500.0	37.2	35.2	-58.37	3,897.6	-165.2	569.4	502.2	67.26	8.467	
14,450.0	10,798.7	14,021.7	10,500.3	37.4	35.4	-58.37	3,922.6	-165.2	569.4	501.9	67.58	8.426	
14,475.0	10,799.0	14,046.7	10,500.5	37.6	35.6	-58.38	3,947.6	-165.2	569.4	501.5	67.91	8.385	
14,500.0	10,799.2	14,071.7	10,500.8	37.7	35.8	-58.38	3,972.6	-165.2	569.4	501.2	68.24	8.345	
14,525.0	10,799.5	14,096.7	10,501.0	37.9	36.0	-58.38	3,997.6	-165.3	569.4	500.9	68.56	8.305	
14,550.0	10,799.7	14,121.7	10,501.3	38.1	36.2	-58.38	4,022.6	-165.3	569.4	500.5	68.89	8.266	
14,575.0	10,800.0	14,146.7	10,501.6	38.3	36.4	-58.38	4,047.6	-165.3	569.4	500.2	69.22	8.226	
14,600.0	10,800.3	14,171.7	10,501.8	38.5	36.6	-58.38	4,072.6	-165.4	569.4	499.9	69.55	8.187	
14,625.0	10,800.5	14,196.7	10,502.1	38.7	36.8	-58.38	4,097.6	-165.4	569.4	499.5	69.88	8.149	
14,650.0	10,800.8	14,221.7	10,502.3	38.9	37.0	-58.38	4,122.6	-165.4	569.4	499.2	70.21	8.110	
14,675.0	10,801.0	14,246.7	10,502.6	39.1	37.2	-58.38	4,147.6	-165.5	569.4	498.9	70.54	8.072	
14,700.0	10,801.3	14,271.7	10,502.9	39.3	37.4	-58.38	4,172.6	-165.5	569.4	498.5	70.87	8.035	
14,725.0	10,801.5	14,296.7	10,503.1	39.5	37.6	-58.38	4,197.6	-165.5	569.4	498.2	71.20	7.997	
14,750.0	10,801.8	14,321.7	10,503.4	39.7	37.8	-58.38	4,222.6	-165.5	569.4	497.9	71.53	7.960	
14,775.0	10,802.0	14,346.7	10,503.6	39.9	38.0	-58.38	4,247.6	-165.6	569.4	497.5	71.87	7.923	
14,800.0	10,802.3	14,371.7	10,503.9	40.0	38.2	-58.38	4,272.6	-165.6	569.4	497.2	72.20	7.886	
14,825.0	10,802.6	14,396.7	10,504.2	40.2	38.4	-58.38	4,297.6	-165.6	569.4	496.9	72.53	7.850	
14,850.0	10,802.8	14,421.7	10,504.4	40.4	38.6	-58.38	4,322.6	-165.7	569.4	496.5	72.87	7.814	
14,875.0	10,803.1	14,446.7	10,504.7	40.6	38.7	-58.38	4,347.6	-165.7	569.4	496.2	73.20	7.778	
14,900.0	10,803.3	14,471.7	10,505.0	40.8	38.9	-58.38	4,372.6	-165.7	569.4	495.8	73.54	7.743	
14,925.0	10,803.6	14,496.7	10,505.2	41.0	39.1	-58.38	4,397.6	-165.7	569.4	495.5	73.87	7.708	
14,950.0	10,803.8	14,521.7	10,505.5	41.2	39.3	-58.38	4,422.6	-165.8	569.4	495.2	74.21	7.673	
14,975.0	10,804.1	14,546.7	10,505.7	41.4	39.5	-58.39	4,447.6	-165.8	569.4	494.8	74.54	7.638	
15,000.0	10,804.3	14,571.7	10,506.0	41.6	39.7	-58.39	4,472.6	-165.8	569.4	494.5	74.88	7.604	
15,025.0	10,804.6	14,596.7	10,506.3	41.8	39.9	-58.39	4,497.6	-165.9	569.4	494.2	75.22	7.570	
15,050.0	10,804.9	14,621.7	10,506.5	42.0	40.1	-58.39	4,522.6	-165.9	569.4	493.8	75.55	7.536	
15,075.0	10,805.1	14,646.7	10,506.8	42.2	40.3	-58.39	4,547.6	-165.9	569.4	493.5	75.89	7.502	
15,100.0	10,805.4	14,671.7	10,507.0	42.4	40.5	-58.39	4,572.6	-165.9	569.4	493.1	76.23	7.469	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
15,125.0	10,805.6	14,696.7	10,507.3	42.6	40.7	-58.39	4,597.6	-166.0	569.4	492.8	76.57	7.436	
15,150.0	10,805.9	14,721.7	10,507.6	42.8	40.9	-58.39	4,622.6	-166.0	569.4	492.4	76.91	7.403	
15,175.0	10,806.1	14,746.7	10,507.8	43.0	41.1	-58.39	4,647.6	-166.0	569.4	492.1	77.24	7.371	
15,200.0	10,806.4	14,771.7	10,508.1	43.2	41.3	-58.39	4,672.6	-166.1	569.3	491.8	77.58	7.339	
15,225.0	10,806.6	14,796.7	10,508.4	43.4	41.6	-58.39	4,697.6	-166.1	569.3	491.4	77.92	7.306	
15,250.0	10,806.9	14,821.7	10,508.6	43.6	41.8	-58.39	4,722.6	-166.1	569.3	491.1	78.26	7.275	
15,275.0	10,807.2	14,846.7	10,508.9	43.8	42.0	-58.39	4,747.6	-166.2	569.3	490.7	78.60	7.243	
15,300.0	10,807.4	14,871.7	10,509.1	44.0	42.2	-58.39	4,772.6	-166.2	569.3	490.4	78.95	7.212	
15,325.0	10,807.7	14,896.7	10,509.4	44.2	42.4	-58.39	4,797.6	-166.2	569.3	490.0	79.29	7.181	
15,350.0	10,807.9	14,921.7	10,509.7	44.4	42.6	-58.39	4,822.6	-166.2	569.3	489.7	79.63	7.150	
15,375.0	10,808.2	14,946.7	10,509.9	44.6	42.8	-58.39	4,847.6	-166.3	569.3	489.4	79.97	7.119	
15,400.0	10,808.4	14,971.7	10,510.2	44.7	43.0	-58.39	4,872.6	-166.3	569.3	489.0	80.31	7.089	
15,425.0	10,808.7	14,996.7	10,510.4	44.9	43.2	-58.39	4,897.6	-166.3	569.3	488.7	80.65	7.059	
15,450.0	10,808.9	15,021.7	10,510.7	45.1	43.4	-58.40	4,922.6	-166.4	569.3	488.3	81.00	7.029	
15,475.0	10,809.2	15,046.7	10,511.0	45.3	43.6	-58.40	4,947.6	-166.4	569.3	488.0	81.34	6.999	
15,500.0	10,809.5	15,071.7	10,511.2	45.5	43.8	-58.40	4,972.6	-166.4	569.3	487.6	81.68	6.970	
15,525.0	10,809.7	15,096.7	10,511.5	45.7	44.0	-58.40	4,997.6	-166.4	569.3	487.3	82.03	6.940	
15,550.0	10,810.0	15,121.7	10,511.7	45.9	44.2	-58.40	5,022.6	-166.5	569.3	486.9	82.37	6.911	
15,575.0	10,810.2	15,146.7	10,512.0	46.1	44.4	-58.40	5,047.6	-166.5	569.3	486.6	82.72	6.883	
15,600.0	10,810.5	15,171.7	10,512.3	46.3	44.6	-58.40	5,072.6	-166.5	569.3	486.2	83.06	6.854	
15,625.0	10,810.7	15,196.7	10,512.5	46.5	44.8	-58.40	5,097.6	-166.6	569.3	485.9	83.41	6.826	
15,650.0	10,811.0	15,221.7	10,512.8	46.7	45.0	-58.40	5,122.6	-166.6	569.3	485.5	83.75	6.797	
15,675.0	10,811.2	15,246.7	10,513.1	46.9	45.2	-58.40	5,147.6	-166.6	569.3	485.2	84.10	6.769	
15,700.0	10,811.5	15,271.7	10,513.3	47.1	45.4	-58.40	5,172.6	-166.7	569.3	484.8	84.44	6.742	
15,725.0	10,811.8	15,296.7	10,513.6	47.3	45.6	-58.40	5,197.6	-166.7	569.3	484.5	84.79	6.714	
15,750.0	10,812.0	15,321.7	10,513.8	47.5	45.8	-58.40	5,222.6	-166.7	569.3	484.1	85.14	6.687	
15,775.0	10,812.3	15,346.7	10,514.1	47.7	46.0	-58.40	5,247.6	-166.7	569.3	483.8	85.48	6.660	
15,800.0	10,812.5	15,371.7	10,514.4	47.9	46.2	-58.40	5,272.6	-166.8	569.3	483.4	85.83	6.633	
15,825.0	10,812.8	15,396.7	10,514.6	48.1	46.4	-58.40	5,297.6	-166.8	569.3	483.1	86.18	6.606	
15,850.0	10,813.0	15,421.7	10,514.9	48.3	46.6	-58.40	5,322.6	-166.8	569.3	482.7	86.53	6.579	
15,875.0	10,813.3	15,446.7	10,515.1	48.5	46.8	-58.40	5,347.6	-166.9	569.3	482.4	86.87	6.553	
15,900.0	10,813.5	15,471.7	10,515.4	48.7	47.0	-58.40	5,372.6	-166.9	569.3	482.0	87.22	6.527	
15,925.0	10,813.8	15,496.7	10,515.7	48.9	47.2	-58.40	5,397.6	-166.9	569.3	481.7	87.57	6.501	
15,950.0	10,814.1	15,521.7	10,515.9	49.1	47.4	-58.41	5,422.6	-166.9	569.3	481.3	87.92	6.475	
15,975.0	10,814.3	15,546.7	10,516.2	49.3	47.6	-58.41	5,447.6	-167.0	569.3	481.0	88.27	6.449	
16,000.0	10,814.6	15,571.7	10,516.5	49.5	47.8	-58.41	5,472.6	-167.0	569.3	480.6	88.62	6.424	
16,025.0	10,814.8	15,596.7	10,516.7	49.7	48.0	-58.41	5,497.6	-167.0	569.3	480.3	88.97	6.399	
16,050.0	10,815.1	15,621.7	10,517.0	49.9	48.2	-58.41	5,522.5	-167.1	569.2	479.9	89.31	6.373	
16,075.0	10,815.3	15,646.7	10,517.2	50.1	48.5	-58.41	5,547.5	-167.1	569.2	479.6	89.66	6.349	
16,100.0	10,815.6	15,671.7	10,517.5	50.3	48.7	-58.41	5,572.5	-167.1	569.2	479.2	90.01	6.324	
16,125.0	10,815.8	15,696.7	10,517.8	50.5	48.9	-58.41	5,597.5	-167.1	569.2	478.9	90.36	6.299	
16,150.0	10,816.1	15,721.7	10,518.0	50.7	49.1	-58.41	5,622.5	-167.2	569.2	478.5	90.72	6.275	
16,175.0	10,816.4	15,746.7	10,518.3	50.9	49.3	-58.41	5,647.5	-167.2	569.2	478.2	91.07	6.251	
16,200.0	10,816.6	15,771.7	10,518.5	51.1	49.5	-58.41	5,672.5	-167.2	569.2	477.8	91.42	6.227	
16,225.0	10,816.9	15,796.7	10,518.8	51.3	49.7	-58.41	5,697.5	-167.3	569.2	477.5	91.77	6.203	
16,250.0	10,817.1	15,821.7	10,519.1	51.5	49.9	-58.41	5,722.5	-167.3	569.2	477.1	92.12	6.179	
16,275.0	10,817.4	15,846.7	10,519.3	51.7	50.1	-58.41	5,747.5	-167.3	569.2	476.7	92.47	6.156	
16,300.0	10,817.6	15,871.7	10,519.6	52.0	50.3	-58.41	5,772.5	-167.4	569.2	476.4	92.82	6.132	
16,325.0	10,817.9	15,896.7	10,519.9	52.2	50.5	-58.41	5,797.5	-167.4	569.2	476.0	93.18	6.109	
16,350.0	10,818.1	15,921.7	10,520.1	52.4	50.7	-58.41	5,822.5	-167.4	569.2	475.7	93.53	6.086	
16,375.0	10,818.4	15,946.7	10,520.4	52.6	50.9	-58.41	5,847.5	-167.4	569.2	475.3	93.88	6.063	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
16,400.0	10,818.7	15,971.7	10,520.6	52.8	51.1	-58.41	5,872.5	-167.5	569.2	475.0	94.23	6.040	
16,425.0	10,818.9	15,996.7	10,520.9	53.0	51.3	-58.41	5,897.5	-167.5	569.2	474.6	94.59	6.018	
16,450.0	10,819.2	16,021.7	10,521.2	53.2	51.5	-58.42	5,922.5	-167.5	569.2	474.3	94.94	5.995	
16,475.0	10,819.4	16,046.7	10,521.4	53.4	51.7	-58.42	5,947.5	-167.6	569.2	473.9	95.29	5.973	
16,500.0	10,819.7	16,071.7	10,521.7	53.6	51.9	-58.42	5,972.5	-167.6	569.2	473.5	95.65	5.951	
16,525.0	10,819.9	16,096.7	10,521.9	53.8	52.1	-58.42	5,997.5	-167.6	569.2	473.2	96.00	5.929	
16,550.0	10,820.2	16,121.7	10,522.2	54.0	52.4	-58.42	6,022.5	-167.6	569.2	472.8	96.35	5.907	
16,575.0	10,820.4	16,146.7	10,522.5	54.2	52.6	-58.42	6,047.5	-167.7	569.2	472.5	96.71	5.886	
16,600.0	10,820.7	16,171.7	10,522.7	54.4	52.8	-58.42	6,072.5	-167.7	569.2	472.1	97.06	5.864	
16,625.0	10,821.0	16,196.7	10,523.0	54.6	53.0	-58.42	6,097.5	-167.7	569.2	471.8	97.42	5.843	
16,650.0	10,821.2	16,221.7	10,523.2	54.8	53.2	-58.42	6,122.5	-167.8	569.2	471.4	97.77	5.822	
16,675.0	10,821.5	16,246.7	10,523.5	55.0	53.4	-58.42	6,147.5	-167.8	569.2	471.0	98.13	5.800	
16,700.0	10,821.7	16,271.7	10,523.8	55.2	53.6	-58.42	6,172.5	-167.8	569.2	470.7	98.48	5.780	
16,725.0	10,822.0	16,296.7	10,524.0	55.4	53.8	-58.42	6,197.5	-167.9	569.2	470.3	98.84	5.759	
16,750.0	10,822.2	16,321.7	10,524.3	55.6	54.0	-58.42	6,222.5	-167.9	569.2	470.0	99.19	5.738	
16,775.0	10,822.5	16,346.7	10,524.6	55.8	54.2	-58.42	6,247.5	-167.9	569.2	469.6	99.55	5.718	
16,800.0	10,822.7	16,371.7	10,524.8	56.0	54.4	-58.42	6,272.5	-167.9	569.2	469.3	99.90	5.697	
16,825.0	10,823.0	16,396.7	10,525.1	56.2	54.6	-58.42	6,297.5	-168.0	569.2	468.9	100.26	5.677	
16,850.0	10,823.3	16,421.7	10,525.3	56.4	54.8	-58.42	6,322.5	-168.0	569.2	468.5	100.61	5.657	
16,875.0	10,823.5	16,446.7	10,525.6	56.6	55.0	-58.42	6,347.5	-168.0	569.2	468.2	100.97	5.637	
16,900.0	10,823.8	16,471.7	10,525.9	56.8	55.2	-58.42	6,372.5	-168.1	569.1	467.8	101.33	5.617	
16,925.0	10,824.0	16,496.7	10,526.1	57.0	55.5	-58.43	6,397.5	-168.1	569.1	467.5	101.68	5.597	
16,950.0	10,824.3	16,521.7	10,526.4	57.2	55.7	-58.43	6,422.5	-168.1	569.1	467.1	102.04	5.578	
16,975.0	10,824.5	16,546.7	10,526.6	57.4	55.9	-58.43	6,447.5	-168.1	569.1	466.7	102.40	5.558	
17,000.0	10,824.8	16,571.7	10,526.9	57.6	56.1	-58.43	6,472.5	-168.2	569.1	466.4	102.75	5.539	
17,025.0	10,825.0	16,596.7	10,527.2	57.8	56.3	-58.43	6,497.5	-168.2	569.1	466.0	103.11	5.520	
17,050.0	10,825.3	16,621.7	10,527.4	58.1	56.5	-58.43	6,522.5	-168.2	569.1	465.7	103.47	5.501	
17,075.0	10,825.6	16,646.7	10,527.7	58.3	56.7	-58.43	6,547.5	-168.3	569.1	465.3	103.83	5.482	
17,100.0	10,825.8	16,671.7	10,528.0	58.5	56.9	-58.43	6,572.5	-168.3	569.1	464.9	104.18	5.463	
17,125.0	10,826.1	16,696.7	10,528.2	58.7	57.1	-58.43	6,597.5	-168.3	569.1	464.6	104.54	5.444	
17,150.0	10,826.3	16,721.7	10,528.5	58.9	57.3	-58.43	6,622.5	-168.3	569.1	464.2	104.90	5.425	
17,175.0	10,826.6	16,746.7	10,528.7	59.1	57.5	-58.43	6,647.5	-168.4	569.1	463.9	105.26	5.407	
17,200.0	10,826.8	16,771.7	10,529.0	59.3	57.7	-58.43	6,672.5	-168.4	569.1	463.5	105.62	5.389	
17,225.0	10,827.1	16,796.7	10,529.3	59.5	57.9	-58.43	6,697.5	-168.4	569.1	463.1	105.97	5.370	
17,250.0	10,827.3	16,821.7	10,529.5	59.7	58.1	-58.43	6,722.5	-168.5	569.1	462.8	106.33	5.352	
17,275.0	10,827.6	16,846.7	10,529.8	59.9	58.4	-58.43	6,747.5	-168.5	569.1	462.4	106.69	5.334	
17,300.0	10,827.9	16,871.7	10,530.0	60.1	58.6	-58.43	6,772.5	-168.5	569.1	462.1	107.05	5.316	
17,325.0	10,828.1	16,896.7	10,530.3	60.3	58.8	-58.43	6,797.5	-168.6	569.1	461.7	107.41	5.298	
17,350.0	10,828.4	16,921.7	10,530.6	60.5	59.0	-58.43	6,822.5	-168.6	569.1	461.3	107.77	5.281	
17,375.0	10,828.6	16,946.7	10,530.8	60.7	59.2	-58.43	6,847.5	-168.6	569.1	461.0	108.13	5.263	
17,400.0	10,828.9	16,971.7	10,531.1	60.9	59.4	-58.43	6,872.5	-168.6	569.1	460.6	108.49	5.246	
17,425.0	10,829.1	16,996.7	10,531.4	61.1	59.6	-58.44	6,897.5	-168.7	569.1	460.2	108.85	5.228	
17,450.0	10,829.4	17,021.7	10,531.6	61.3	59.8	-58.44	6,922.5	-168.7	569.1	459.9	109.20	5.211	
17,475.0	10,829.6	17,046.7	10,531.9	61.5	60.0	-58.44	6,947.5	-168.7	569.1	459.5	109.56	5.194	
17,500.0	10,829.9	17,071.7	10,532.1	61.7	60.2	-58.44	6,972.5	-168.8	569.1	459.2	109.92	5.177	
17,525.0	10,830.2	17,096.7	10,532.4	62.0	60.4	-58.44	6,997.5	-168.8	569.1	458.8	110.28	5.160	
17,550.0	10,830.4	17,121.7	10,532.7	62.2	60.6	-58.44	7,022.5	-168.8	569.1	458.4	110.64	5.143	
17,575.0	10,830.7	17,146.7	10,532.9	62.4	60.8	-58.44	7,047.5	-168.8	569.1	458.1	111.00	5.127	
17,600.0	10,830.9	17,171.7	10,533.2	62.6	61.1	-58.44	7,072.5	-168.9	569.1	457.7	111.37	5.110	
17,625.0	10,831.2	17,196.7	10,533.4	62.8	61.3	-58.44	7,097.5	-168.9	569.1	457.3	111.73	5.093	
17,650.0	10,831.4	17,221.7	10,533.7	63.0	61.5	-58.44	7,122.5	-168.9	569.1	457.0	112.09	5.077	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
17,675.0	10,831.7	17,246.7	10,534.0	63.2	61.7	-58.44	7,147.5	-169.0	569.1	456.6	112.45	5.061	
17,700.0	10,831.9	17,271.7	10,534.2	63.4	61.9	-58.44	7,172.5	-169.0	569.1	456.2	112.81	5.044	
17,725.0	10,832.2	17,296.7	10,534.5	63.6	62.1	-58.44	7,197.5	-169.0	569.0	455.9	113.17	5.028	
17,750.0	10,832.5	17,321.7	10,534.7	63.8	62.3	-58.44	7,222.5	-169.1	569.0	455.5	113.53	5.012	
17,775.0	10,832.7	17,346.7	10,535.0	64.0	62.5	-58.44	7,247.5	-169.1	569.0	455.2	113.89	4.996	
17,800.0	10,833.0	17,371.7	10,535.3	64.2	62.7	-58.44	7,272.5	-169.1	569.0	454.8	114.25	4.981	
17,825.0	10,833.2	17,396.7	10,535.5	64.4	62.9	-58.44	7,297.5	-169.1	569.0	454.4	114.61	4.965	
17,850.0	10,833.5	17,421.7	10,535.8	64.6	63.1	-58.44	7,322.4	-169.2	569.0	454.1	114.98	4.949	
17,875.0	10,833.7	17,446.7	10,536.1	64.8	63.3	-58.44	7,347.4	-169.2	569.0	453.7	115.34	4.934	
17,900.0	10,834.0	17,471.7	10,536.3	65.0	63.6	-58.44	7,372.4	-169.2	569.0	453.3	115.70	4.918	
17,925.0	10,834.2	17,496.7	10,536.6	65.3	63.8	-58.45	7,397.4	-169.3	569.0	453.0	116.06	4.903	
17,950.0	10,834.5	17,521.7	10,536.8	65.5	64.0	-58.45	7,422.4	-169.3	569.0	452.6	116.42	4.888	
17,975.0	10,834.8	17,546.7	10,537.1	65.7	64.2	-58.45	7,447.4	-169.3	569.0	452.2	116.79	4.872	
18,000.0	10,835.0	17,571.7	10,537.4	65.9	64.4	-58.45	7,472.4	-169.3	569.0	451.9	117.15	4.857	
18,025.0	10,835.3	17,596.7	10,537.6	66.1	64.6	-58.45	7,497.4	-169.4	569.0	451.5	117.51	4.842	
18,050.0	10,835.5	17,621.7	10,537.9	66.3	64.8	-58.45	7,522.4	-169.4	569.0	451.1	117.87	4.827	
18,075.0	10,835.8	17,646.7	10,538.1	66.5	65.0	-58.45	7,547.4	-169.4	569.0	450.8	118.23	4.813	
18,100.0	10,836.0	17,671.7	10,538.4	66.7	65.2	-58.45	7,572.4	-169.5	569.0	450.4	118.60	4.798	
18,125.0	10,836.3	17,696.7	10,538.7	66.9	65.4	-58.45	7,597.4	-169.5	569.0	450.0	118.96	4.783	
18,150.0	10,836.5	17,721.7	10,538.9	67.1	65.6	-58.45	7,622.4	-169.5	569.0	449.7	119.32	4.769	
18,175.0	10,836.8	17,746.7	10,539.2	67.3	65.9	-58.45	7,647.4	-169.5	569.0	449.3	119.69	4.754	
18,200.0	10,837.1	17,771.7	10,539.5	67.5	66.1	-58.45	7,672.4	-169.6	569.0	448.9	120.05	4.740	
18,225.0	10,837.3	17,796.7	10,539.7	67.7	66.3	-58.45	7,697.4	-169.6	569.0	448.6	120.41	4.725	
18,250.0	10,837.6	17,821.7	10,540.0	67.9	66.5	-58.45	7,722.4	-169.6	569.0	448.2	120.78	4.711	
18,275.0	10,837.8	17,846.7	10,540.2	68.1	66.7	-58.45	7,747.4	-169.7	569.0	447.8	121.14	4.697	
18,300.0	10,838.1	17,871.7	10,540.5	68.4	66.9	-58.45	7,772.4	-169.7	569.0	447.5	121.50	4.683	
18,325.0	10,838.3	17,896.7	10,540.8	68.6	67.1	-58.45	7,797.4	-169.7	569.0	447.1	121.87	4.669	
18,350.0	10,838.6	17,921.7	10,541.0	68.8	67.3	-58.45	7,822.4	-169.8	569.0	446.7	122.23	4.655	
18,375.0	10,838.8	17,946.7	10,541.3	69.0	67.5	-58.45	7,847.4	-169.8	569.0	446.4	122.59	4.641	
18,400.0	10,839.1	17,971.7	10,541.5	69.2	67.7	-58.45	7,872.4	-169.8	569.0	446.0	122.96	4.627	
18,425.0	10,839.4	17,996.7	10,541.8	69.4	67.9	-58.46	7,897.4	-169.8	569.0	445.6	123.32	4.614	
18,450.0	10,839.6	18,021.7	10,542.1	69.6	68.2	-58.46	7,922.4	-169.9	569.0	445.3	123.68	4.600	
18,475.0	10,839.9	18,046.7	10,542.3	69.8	68.4	-58.46	7,947.4	-169.9	569.0	444.9	124.05	4.587	
18,500.0	10,840.1	18,071.7	10,542.6	70.0	68.6	-58.46	7,972.4	-169.9	569.0	444.5	124.41	4.573	
18,525.0	10,840.4	18,096.7	10,542.9	70.2	68.8	-58.46	7,997.4	-170.0	569.0	444.2	124.78	4.560	
18,550.0	10,840.6	18,121.7	10,543.1	70.4	69.0	-58.46	8,022.4	-170.0	569.0	443.8	125.14	4.546	
18,575.0	10,840.9	18,146.7	10,543.4	70.6	69.2	-58.46	8,047.4	-170.0	568.9	443.4	125.51	4.533	
18,600.0	10,841.1	18,171.7	10,543.6	70.8	69.4	-58.46	8,072.4	-170.0	568.9	443.1	125.87	4.520	
18,625.0	10,841.4	18,196.7	10,543.9	71.1	69.6	-58.46	8,097.4	-170.1	568.9	442.7	126.24	4.507	
18,650.0	10,841.6	18,221.7	10,544.2	71.3	69.8	-58.46	8,122.4	-170.1	568.9	442.3	126.60	4.494	
18,675.0	10,841.9	18,246.7	10,544.4	71.5	70.0	-58.46	8,147.4	-170.1	568.9	442.0	126.96	4.481	
18,700.0	10,842.2	18,271.7	10,544.7	71.7	70.3	-58.46	8,172.4	-170.2	568.9	441.6	127.33	4.468	
18,725.0	10,842.4	18,296.7	10,544.9	71.9	70.5	-58.46	8,197.4	-170.2	568.9	441.2	127.69	4.455	
18,750.0	10,842.7	18,321.7	10,545.2	72.1	70.7	-58.46	8,222.4	-170.2	568.9	440.9	128.06	4.443	
18,775.0	10,842.9	18,346.7	10,545.5	72.3	70.9	-58.46	8,247.4	-170.3	568.9	440.5	128.42	4.430	
18,800.0	10,843.2	18,371.7	10,545.7	72.5	71.1	-58.46	8,272.4	-170.3	568.9	440.1	128.79	4.417	
18,825.0	10,843.4	18,396.7	10,546.0	72.7	71.3	-58.46	8,297.4	-170.3	568.9	439.8	129.16	4.405	
18,850.0	10,843.7	18,421.7	10,546.2	72.9	71.5	-58.46	8,322.4	-170.3	568.9	439.4	129.52	4.392	
18,875.0	10,843.9	18,446.7	10,546.5	73.1	71.7	-58.46	8,347.4	-170.4	568.9	439.0	129.89	4.380	
18,900.0	10,844.2	18,471.7	10,546.8	73.3	71.9	-58.47	8,372.4	-170.4	568.9	438.7	130.25	4.368	
18,925.0	10,844.5	18,496.7	10,547.0	73.6	72.1	-58.47	8,397.4	-170.4	568.9	438.3	130.62	4.356	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
18,950.0	10,844.7	18,521.7	10,547.3	73.8	72.4	-58.47	8,422.4	-170.5	568.9	437.9	130.98	4.343	
18,975.0	10,845.0	18,546.7	10,547.6	74.0	72.6	-58.47	8,447.4	-170.5	568.9	437.6	131.35	4.331	
19,000.0	10,845.2	18,571.7	10,547.8	74.2	72.8	-58.47	8,472.4	-170.5	568.9	437.2	131.71	4.319	
19,025.0	10,845.5	18,596.7	10,548.1	74.4	73.0	-58.47	8,497.4	-170.5	568.9	436.8	132.08	4.307	
19,050.0	10,845.7	18,621.7	10,548.3	74.6	73.2	-58.47	8,522.4	-170.6	568.9	436.4	132.45	4.295	
19,075.0	10,846.0	18,646.7	10,548.6	74.8	73.4	-58.47	8,547.4	-170.6	568.9	436.1	132.81	4.283	
19,100.0	10,846.2	18,671.7	10,548.9	75.0	73.6	-58.47	8,572.4	-170.6	568.9	435.7	133.18	4.272	
19,125.0	10,846.5	18,696.7	10,549.1	75.2	73.8	-58.47	8,597.4	-170.7	568.9	435.3	133.54	4.260	
19,150.0	10,846.8	18,721.7	10,549.4	75.4	74.0	-58.47	8,622.4	-170.7	568.9	435.0	133.91	4.248	
19,175.0	10,847.0	18,746.7	10,549.6	75.6	74.2	-58.47	8,647.4	-170.7	568.9	434.6	134.28	4.237	
19,200.0	10,847.3	18,771.7	10,549.9	75.8	74.5	-58.47	8,672.4	-170.7	568.9	434.2	134.64	4.225	
19,225.0	10,847.5	18,796.7	10,550.2	76.1	74.7	-58.47	8,697.4	-170.8	568.9	433.9	135.01	4.214	
19,250.0	10,847.8	18,821.7	10,550.4	76.3	74.9	-58.47	8,722.4	-170.8	568.9	433.5	135.38	4.202	
19,275.0	10,848.0	18,846.7	10,550.7	76.5	75.1	-58.47	8,747.4	-170.8	568.9	433.1	135.74	4.191	
19,300.0	10,848.3	18,871.7	10,551.0	76.7	75.3	-58.47	8,772.4	-170.9	568.9	432.8	136.11	4.179	
19,325.0	10,848.5	18,896.7	10,551.2	76.9	75.5	-58.47	8,797.4	-170.9	568.9	432.4	136.48	4.168	
19,350.0	10,848.8	18,921.7	10,551.5	77.1	75.7	-58.47	8,822.4	-170.9	568.9	432.0	136.84	4.157	
19,375.0	10,849.1	18,946.7	10,551.7	77.3	75.9	-58.47	8,847.4	-171.0	568.9	431.6	137.21	4.146	
19,400.0	10,849.3	18,971.7	10,552.0	77.5	76.1	-58.48	8,872.4	-171.0	568.9	431.3	137.58	4.135	
19,425.0	10,849.6	18,996.7	10,552.3	77.7	76.3	-58.48	8,897.4	-171.0	568.8	430.9	137.95	4.124	
19,450.0	10,849.8	19,021.7	10,552.5	77.9	76.6	-58.48	8,922.4	-171.0	568.8	430.5	138.31	4.113	
19,475.0	10,850.1	19,046.7	10,552.8	78.1	76.8	-58.48	8,947.4	-171.1	568.8	430.2	138.68	4.102	
19,500.0	10,850.3	19,071.7	10,553.0	78.3	77.0	-58.48	8,972.4	-171.1	568.8	429.8	139.05	4.091	
19,525.0	10,850.6	19,096.7	10,553.3	78.6	77.2	-58.48	8,997.4	-171.1	568.8	429.4	139.41	4.080	
19,550.0	10,850.8	19,121.7	10,553.6	78.8	77.4	-58.48	9,022.4	-171.2	568.8	429.1	139.78	4.069	
19,575.0	10,851.1	19,146.7	10,553.8	79.0	77.6	-58.48	9,047.4	-171.2	568.8	428.7	140.15	4.059	
19,600.0	10,851.4	19,171.7	10,554.1	79.2	77.8	-58.48	9,072.4	-171.2	568.8	428.3	140.52	4.048	
19,625.0	10,851.6	19,196.7	10,554.3	79.4	78.0	-58.48	9,097.4	-171.2	568.8	427.9	140.88	4.038	
19,650.0	10,851.9	19,221.7	10,554.6	79.6	78.2	-58.48	9,122.4	-171.3	568.8	427.6	141.25	4.027	
19,675.0	10,852.1	19,246.7	10,554.9	79.8	78.4	-58.48	9,147.3	-171.3	568.8	427.2	141.62	4.017	
19,700.0	10,852.4	19,271.7	10,555.1	80.0	78.7	-58.48	9,172.3	-171.3	568.8	426.8	141.99	4.006	
19,725.0	10,852.6	19,296.7	10,555.4	80.2	78.9	-58.48	9,197.3	-171.4	568.8	426.5	142.35	3.996	
19,750.0	10,852.9	19,321.7	10,555.7	80.4	79.1	-58.48	9,222.3	-171.4	568.8	426.1	142.72	3.985	
19,775.0	10,853.1	19,346.7	10,555.9	80.6	79.3	-58.48	9,247.3	-171.4	568.8	425.7	143.09	3.975	
19,800.0	10,853.4	19,371.7	10,556.2	80.9	79.5	-58.48	9,272.3	-171.5	568.8	425.3	143.46	3.965	
19,825.0	10,853.7	19,396.7	10,556.4	81.1	79.7	-58.48	9,297.3	-171.5	568.8	425.0	143.83	3.955	
19,850.0	10,853.9	19,421.7	10,556.7	81.3	79.9	-58.48	9,322.3	-171.5	568.8	424.6	144.19	3.945	
19,875.0	10,854.2	19,446.7	10,557.0	81.5	80.1	-58.48	9,347.3	-171.5	568.8	424.2	144.56	3.935	
19,900.0	10,854.4	19,471.7	10,557.2	81.7	80.3	-58.49	9,372.3	-171.6	568.8	423.9	144.93	3.925	
19,925.0	10,854.7	19,496.7	10,557.5	81.9	80.6	-58.49	9,397.3	-171.6	568.8	423.5	145.30	3.915	
19,950.0	10,854.9	19,521.7	10,557.7	82.1	80.8	-58.49	9,422.3	-171.6	568.8	423.1	145.67	3.905	
19,975.0	10,855.2	19,546.7	10,558.0	82.3	81.0	-58.49	9,447.3	-171.7	568.8	422.7	146.04	3.895	
20,000.0	10,855.4	19,571.7	10,558.3	82.5	81.2	-58.49	9,472.3	-171.7	568.8	422.4	146.40	3.885	
20,025.0	10,855.7	19,596.7	10,558.5	82.7	81.4	-58.49	9,497.3	-171.7	568.8	422.0	146.77	3.875	
20,050.0	10,856.0	19,621.7	10,558.8	83.0	81.6	-58.49	9,522.3	-171.7	568.8	421.6	147.14	3.865	
20,075.0	10,856.2	19,646.7	10,559.1	83.2	81.8	-58.49	9,547.3	-171.8	568.8	421.3	147.51	3.856	
20,100.0	10,856.5	19,671.7	10,559.3	83.4	82.0	-58.49	9,572.3	-171.8	568.8	420.9	147.88	3.846	
20,125.0	10,856.7	19,696.7	10,559.6	83.6	82.2	-58.49	9,597.3	-171.8	568.8	420.5	148.25	3.837	
20,150.0	10,857.0	19,721.7	10,559.8	83.8	82.5	-58.49	9,622.3	-171.9	568.8	420.1	148.62	3.827	
20,175.0	10,857.2	19,746.7	10,560.1	84.0	82.7	-58.49	9,647.3	-171.9	568.8	419.8	148.99	3.818	
20,200.0	10,857.5	19,771.7	10,560.4	84.2	82.9	-58.49	9,672.3	-171.9	568.8	419.4	149.35	3.808	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-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
20,225.0	10,857.7	19,796.7	10,560.6	84.4	83.1	-58.49	9,697.3	-171.9	568.8	419.0	149.72	3.799	
20,250.0	10,858.0	19,821.7	10,560.9	84.6	83.3	-58.49	9,722.3	-172.0	568.8	418.7	150.09	3.789	
20,275.0	10,858.3	19,846.7	10,561.1	84.8	83.5	-58.49	9,747.3	-172.0	568.7	418.3	150.46	3.780	
20,300.0	10,858.5	19,871.7	10,561.4	85.0	83.7	-58.49	9,772.3	-172.0	568.7	417.9	150.83	3.771	
20,325.0	10,858.8	19,896.7	10,561.7	85.3	83.9	-58.49	9,797.3	-172.1	568.7	417.5	151.20	3.762	
20,350.0	10,859.0	19,921.7	10,561.9	85.5	84.1	-58.49	9,822.3	-172.1	568.7	417.2	151.57	3.752	
20,375.0	10,859.3	19,946.7	10,562.2	85.7	84.4	-58.50	9,847.3	-172.1	568.7	416.8	151.94	3.743	
20,400.0	10,859.5	19,971.7	10,562.5	85.9	84.6	-58.50	9,872.3	-172.2	568.7	416.4	152.31	3.734	
20,425.0	10,859.8	19,996.7	10,562.7	86.1	84.8	-58.50	9,897.3	-172.2	568.7	416.1	152.68	3.725	
20,450.0	10,860.0	20,021.7	10,563.0	86.3	85.0	-58.50	9,922.3	-172.2	568.7	415.7	153.05	3.716	
20,475.0	10,860.3	20,046.7	10,563.2	86.5	85.2	-58.50	9,947.3	-172.2	568.7	415.3	153.42	3.707	
20,500.0	10,860.6	20,071.7	10,563.5	86.7	85.4	-58.50	9,972.3	-172.3	568.7	414.9	153.79	3.698	
20,525.0	10,860.8	20,096.7	10,563.8	86.9	85.6	-58.50	9,997.3	-172.3	568.7	414.6	154.16	3.689	
20,550.0	10,861.1	20,121.7	10,564.0	87.1	85.8	-58.50	10,022.3	-172.3	568.7	414.2	154.52	3.680	
20,575.0	10,861.3	20,146.7	10,564.3	87.4	86.0	-58.50	10,047.3	-172.4	568.7	413.8	154.89	3.672	
20,600.0	10,861.6	20,171.7	10,564.5	87.6	86.3	-58.50	10,072.3	-172.4	568.7	413.4	155.26	3.663	
20,625.0	10,861.8	20,196.7	10,564.8	87.8	86.5	-58.50	10,097.3	-172.4	568.7	413.1	155.63	3.654	
20,650.0	10,862.1	20,221.7	10,565.1	88.0	86.7	-58.50	10,122.3	-172.4	568.7	412.7	156.00	3.645	
20,675.0	10,862.3	20,246.7	10,565.3	88.2	86.9	-58.50	10,147.3	-172.5	568.7	412.3	156.37	3.637	
20,700.0	10,862.6	20,271.7	10,565.6	88.4	87.1	-58.50	10,172.3	-172.5	568.7	412.0	156.74	3.628	
20,725.0	10,862.9	20,296.7	10,565.8	88.6	87.3	-58.50	10,197.3	-172.5	568.7	411.6	157.11	3.620	
20,750.0	10,863.1	20,321.7	10,566.1	88.8	87.5	-58.50	10,222.3	-172.6	568.7	411.2	157.48	3.611	
20,775.0	10,863.4	20,346.7	10,566.4	89.0	87.7	-58.50	10,247.3	-172.6	568.7	410.8	157.85	3.603	
20,800.0	10,863.6	20,371.7	10,566.6	89.2	87.9	-58.50	10,272.3	-172.6	568.7	410.5	158.22	3.594	
20,825.0	10,863.9	20,396.7	10,566.9	89.5	88.2	-58.50	10,297.3	-172.7	568.7	410.1	158.59	3.586	
20,850.0	10,864.1	20,421.7	10,567.2	89.7	88.4	-58.50	10,322.3	-172.7	568.7	409.7	158.96	3.577	
20,875.0	10,864.4	20,446.7	10,567.4	89.9	88.6	-58.51	10,347.3	-172.7	568.7	409.3	159.33	3.569	
20,900.0	10,864.6	20,471.7	10,567.7	90.1	88.8	-58.51	10,372.3	-172.7	568.7	409.0	159.70	3.561	
20,925.0	10,864.9	20,496.7	10,567.9	90.3	89.0	-58.51	10,397.3	-172.8	568.7	408.6	160.07	3.553	
20,950.0	10,865.2	20,521.7	10,568.2	90.5	89.2	-58.51	10,422.3	-172.8	568.7	408.2	160.44	3.544	
20,975.0	10,865.4	20,546.7	10,568.5	90.7	89.4	-58.51	10,447.3	-172.8	568.7	407.9	160.82	3.536	
21,000.0	10,865.7	20,571.7	10,568.7	90.9	89.6	-58.51	10,472.3	-172.9	568.7	407.5	161.19	3.528	
21,025.0	10,865.9	20,596.7	10,569.0	91.1	89.8	-58.51	10,497.3	-172.9	568.7	407.1	161.56	3.520	
21,050.0	10,866.2	20,621.7	10,569.2	91.3	90.1	-58.51	10,522.3	-172.9	568.7	406.7	161.93	3.512	
21,075.0	10,866.4	20,646.7	10,569.5	91.6	90.3	-58.51	10,547.3	-172.9	568.7	406.4	162.30	3.504	
21,100.0	10,866.7	20,671.7	10,569.8	91.8	90.5	-58.51	10,572.3	-173.0	568.7	406.0	162.67	3.496	
21,122.1	10,866.9	20,693.8	10,570.0	92.0	90.7	-58.51	10,594.4	-173.0	568.6	405.7	162.99	3.489	
21,125.0	10,866.9	20,694.2	10,570.0	92.0	90.7	-58.51	10,594.7	-173.0	568.7	405.6	163.03	3.488	
21,130.4	10,867.0	20,694.2	10,570.0	92.0	90.7	-58.51	10,594.7	-173.0	568.7	405.6	163.08	3.487 SF	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-0.43	40.0	-0.3	40.0				
25.0	25.0	25.0	25.0	0.5	0.1	-0.43	40.0	-0.3	40.0				
50.0	50.0	50.0	50.0	0.5	0.3	-0.43	40.0	-0.3	40.0	38.7	1.28	31.178	
75.0	75.0	75.0	75.0	0.5	0.4	-0.43	40.0	-0.3	40.0	38.6	1.38	29.031	
100.0	100.0	100.0	100.0	0.5	0.5	-0.43	40.0	-0.3	40.0	38.5	1.50	26.740	
125.0	125.0	125.0	125.0	0.6	0.6	-0.43	40.0	-0.3	40.0	38.3	1.75	22.891	
150.0	150.0	150.0	150.0	0.8	0.8	-0.43	40.0	-0.3	40.0	38.0	2.00	20.011	
175.0	175.0	175.0	175.0	0.9	0.9	-0.43	40.0	-0.3	40.0	37.8	2.25	17.774	
200.0	200.0	200.0	200.0	1.0	1.0	-0.43	40.0	-0.3	40.0	37.5	2.50	15.988	
225.0	225.0	225.0	225.0	1.1	1.1	-0.43	40.0	-0.3	40.0	37.3	2.67	14.985	
250.0	250.0	250.0	250.0	1.2	1.2	-0.43	40.0	-0.3	40.0	37.2	2.84	14.102	
275.0	275.0	275.0	275.0	1.3	1.3	-0.43	40.0	-0.3	40.0	37.0	3.00	13.316	
300.0	300.0	300.0	300.0	1.4	1.4	-0.43	40.0	-0.3	40.0	36.8	3.17	12.614	
325.0	325.0	325.0	325.0	1.4	1.4	-0.43	40.0	-0.3	40.0	36.7	3.31	12.091	
350.0	350.0	350.0	350.0	1.5	1.5	-0.43	40.0	-0.3	40.0	36.6	3.45	11.610	
375.0	375.0	375.0	375.0	1.6	1.6	-0.43	40.0	-0.3	40.0	36.4	3.58	11.166	
400.0	400.0	400.0	400.0	1.6	1.6	-0.43	40.0	-0.3	40.0	36.3	3.72	10.754	
425.0	425.0	425.0	425.0	1.7	1.7	-0.43	40.0	-0.3	40.0	36.2	3.84	10.417	
450.0	450.0	450.0	450.0	1.8	1.8	-0.43	40.0	-0.3	40.0	36.0	3.96	10.101	
475.0	475.0	475.0	475.0	1.8	1.8	-0.43	40.0	-0.3	40.0	35.9	4.08	9.803	
500.0	500.0	500.0	500.0	1.9	1.9	-0.43	40.0	-0.3	40.0	35.8	4.20	9.522	
525.0	525.0	525.0	525.0	1.9	1.9	-0.43	40.0	-0.3	40.0	35.7	4.31	9.281	
550.0	550.0	550.0	550.0	2.0	2.0	-0.43	40.0	-0.3	40.0	35.6	4.42	9.051	
575.0	575.0	575.0	575.0	2.1	2.1	-0.43	40.0	-0.3	40.0	35.5	4.53	8.832	
600.0	600.0	600.0	600.0	2.1	2.1	-0.43	40.0	-0.3	40.0	35.4	4.64	8.624	
625.0	625.0	625.0	625.0	2.2	2.2	-0.43	40.0	-0.3	40.0	35.3	4.74	8.439	
650.0	650.0	650.0	650.0	2.2	2.2	-0.43	40.0	-0.3	40.0	35.2	4.84	8.262	
675.0	675.0	675.0	675.0	2.3	2.3	-0.43	40.0	-0.3	40.0	35.1	4.94	8.092	
700.0	700.0	700.0	700.0	2.3	2.3	-0.43	40.0	-0.3	40.0	35.0	5.04	7.930	
725.0	725.0	725.0	725.0	2.4	2.4	-0.43	40.0	-0.3	40.0	34.9	5.14	7.782	
750.0	750.0	750.0	750.0	2.4	2.4	-0.43	40.0	-0.3	40.0	34.8	5.24	7.640	
775.0	775.0	775.0	775.0	2.5	2.5	-0.43	40.0	-0.3	40.0	34.7	5.33	7.502	
800.0	800.0	800.0	800.0	2.5	2.5	-0.43	40.0	-0.3	40.0	34.6	5.43	7.370	
825.0	825.0	825.0	825.0	2.6	2.6	-0.43	40.0	-0.3	40.0	34.5	5.52	7.248	
850.0	850.0	850.0	850.0	2.6	2.6	-0.43	40.0	-0.3	40.0	34.4	5.61	7.131	
875.0	875.0	875.0	875.0	2.6	2.6	-0.43	40.0	-0.3	40.0	34.3	5.70	7.017	
900.0	900.0	900.0	900.0	2.7	2.7	-0.43	40.0	-0.3	40.0	34.2	5.79	6.906	
925.0	925.0	925.0	925.0	2.7	2.7	-0.43	40.0	-0.3	40.0	34.1	5.88	6.804	
950.0	950.0	950.0	950.0	2.8	2.8	-0.43	40.0	-0.3	40.0	34.0	5.97	6.704	
975.0	975.0	975.0	975.0	2.8	2.8	-0.43	40.0	-0.3	40.0	33.9	6.05	6.607	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	-0.43	40.0	-0.3	40.0	33.9	6.14	6.513	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	-0.43	40.0	-0.3	40.0	33.8	6.23	6.425	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	-0.43	40.0	-0.3	40.0	33.7	6.31	6.339	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	-0.43	40.0	-0.3	40.0	33.6	6.39	6.256	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	-0.43	40.0	-0.3	40.0	33.5	6.48	6.174	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	-0.43	40.0	-0.3	40.0	33.4	6.56	6.097	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	-0.43	40.0	-0.3	40.0	33.4	6.64	6.022	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	-0.43	40.0	-0.3	40.0	33.3	6.72	5.949	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	-0.43	40.0	-0.3	40.0	33.2	6.81	5.877	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	-0.43	40.0	-0.3	40.0	33.1	6.89	5.809	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	-0.43	40.0	-0.3	40.0	33.0	6.97	5.743	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,275.0	1,275.0	3.3	3.3	-0.43	40.0	-0.3	40.0	33.0	7.04	5.678	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-0.43	40.0	-0.3	40.0	32.9	7.12	5.615	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	-0.43	40.0	-0.3	40.0	32.8	7.20	5.554	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	-0.43	40.0	-0.3	40.0	32.7	7.28	5.495	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	-0.43	40.0	-0.3	40.0	32.6	7.36	5.437	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-0.43	40.0	-0.3	40.0	32.6	7.44	5.380	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	-0.43	40.0	-0.3	40.0	32.5	7.51	5.326	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	-0.43	40.0	-0.3	40.0	32.4	7.59	5.272	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	-0.43	40.0	-0.3	40.0	32.3	7.66	5.220	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	-0.43	40.0	-0.3	40.0	32.3	7.74	5.169	
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	-0.43	40.0	-0.3	40.0	32.2	7.81	5.119	
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	-0.43	40.0	-0.3	40.0	32.1	7.89	5.071	
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	-0.43	40.0	-0.3	40.0	32.0	7.96	5.023	
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	-0.43	40.0	-0.3	40.0	32.0	8.04	4.977	
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	-0.43	40.0	-0.3	40.0	31.9	8.11	4.932	
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	-0.43	40.0	-0.3	40.0	31.8	8.18	4.888	
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	-0.43	40.0	-0.3	40.0	31.7	8.26	4.844	
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	-0.43	40.0	-0.3	40.0	31.7	8.33	4.802	
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	-0.43	40.0	-0.3	40.0	31.6	8.40	4.760	
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	-0.43	40.0	-0.3	40.0	31.5	8.48	4.720	
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	-0.43	40.0	-0.3	40.0	31.5	8.55	4.680	
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	-0.43	40.0	-0.3	40.0	31.4	8.62	4.641	
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	-0.43	40.0	-0.3	40.0	31.3	8.69	4.603	
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	-0.43	40.0	-0.3	40.0	31.2	8.76	4.565	
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	-0.43	40.0	-0.3	40.0	31.2	8.83	4.529	
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	-0.43	40.0	-0.3	40.0	31.1	8.90	4.493	
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	-0.43	40.0	-0.3	40.0	31.0	8.97	4.457	
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	-0.43	40.0	-0.3	40.0	31.0	9.04	4.423	
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	-0.43	40.0	-0.3	40.0	30.9	9.11	4.389	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-0.43	40.0	-0.3	40.0	30.8	9.18	4.355	
2,025.0	2,025.0	2,024.9	2,024.9	4.4	4.4	-55.65	40.0	-0.4	40.0	30.7	9.24	4.328	
2,050.0	2,050.0	2,049.9	2,049.9	4.5	4.5	-56.30	40.1	-0.7	40.0	30.7	9.29	4.298	
2,075.0	2,075.0	2,074.8	2,074.8	4.5	4.5	-57.39	40.1	-1.3	39.9	30.6	9.35	4.268	
2,100.0	2,100.0	2,099.7	2,099.7	4.5	4.5	-58.93	40.3	-2.0	39.9	30.5	9.40	4.239	
2,121.8	2,121.8	2,121.4	2,121.4	4.6	4.6	-60.62	40.4	-2.8	39.8	30.4	9.47	4.207 CC	
2,125.0	2,125.0	2,124.6	2,124.6	4.6	4.6	-60.89	40.4	-3.0	39.8	30.4	9.48	4.203	
2,150.0	2,150.0	2,149.4	2,149.4	4.6	4.6	-63.29	40.6	-4.2	39.9	30.3	9.55	4.175 ES	
2,175.0	2,175.0	2,174.3	2,174.1	4.6	4.6	-66.11	40.8	-5.5	40.0	30.4	9.62	4.160 SF	
2,200.0	2,200.0	2,199.0	2,198.9	4.7	4.7	-69.32	41.0	-7.1	40.3	30.6	9.69	4.161	
2,225.0	2,224.9	2,223.7	2,223.5	4.7	4.7	-72.88	41.3	-8.9	40.8	31.0	9.75	4.185	
2,250.0	2,249.9	2,248.4	2,248.1	4.8	4.8	-76.73	41.6	-10.9	41.5	31.7	9.80	4.234	
2,275.0	2,274.9	2,273.0	2,272.6	4.8	4.8	-80.80	41.9	-13.2	42.5	32.6	9.85	4.315	
2,300.0	2,299.9	2,297.5	2,297.0	4.9	4.9	-85.00	42.3	-15.6	43.8	33.9	9.90	4.429	
2,325.0	2,324.8	2,322.0	2,321.3	4.9	4.9	-89.25	42.7	-18.2	45.5	35.6	9.95	4.578	
2,350.0	2,349.8	2,346.4	2,345.5	4.9	5.0	-93.46	43.1	-21.0	47.7	37.7	10.00	4.764	
2,375.0	2,374.7	2,370.7	2,369.6	5.0	5.0	-97.56	43.6	-24.0	50.2	40.1	10.06	4.988	
2,400.0	2,399.7	2,394.9	2,393.6	5.0	5.1	-101.47	44.1	-27.2	53.2	43.0	10.13	5.249	
2,425.0	2,424.6	2,419.0	2,417.5	5.1	5.2	-105.15	44.6	-30.5	56.6	46.4	10.21	5.542	
2,450.0	2,449.5	2,443.0	2,441.2	5.1	5.2	-108.58	45.1	-34.1	60.4	50.1	10.30	5.869	
2,475.0	2,474.5	2,466.9	2,464.8	5.2	5.3	-111.75	45.7	-37.8	64.7	54.3	10.39	6.225	
2,500.0	2,499.4	2,490.7	2,488.3	5.2	5.4	-114.65	46.3	-41.7	69.4	58.9	10.50	6.611	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,525.0	2,524.3	2,514.7	2,512.0	5.3	5.5	-122.15	46.9	-45.9	74.5	63.9	10.62	7.022	
2,550.0	2,549.2	2,538.9	2,535.8	5.4	5.5	-128.87	47.5	-50.0	80.1	69.3	10.73	7.458	
2,575.0	2,574.0	2,563.0	2,559.5	5.4	5.6	-134.84	48.2	-54.2	85.9	75.0	10.86	7.912	
2,600.0	2,598.9	2,587.1	2,583.3	5.5	5.7	-140.12	48.8	-58.3	92.0	81.1	10.98	8.381	
2,625.0	2,623.7	2,611.2	2,606.9	5.5	5.7	-144.80	49.4	-62.4	98.5	87.3	11.12	8.856	
2,650.0	2,648.6	2,635.1	2,630.5	5.6	5.8	-148.94	50.0	-66.5	105.1	93.9	11.26	9.339	
2,675.0	2,673.4	2,659.1	2,654.1	5.7	5.9	-152.61	50.7	-70.6	112.1	100.7	11.40	9.831	
2,700.0	2,698.2	2,682.9	2,677.6	5.7	6.0	-155.88	51.3	-74.7	119.3	107.7	11.54	10.332	
2,717.4	2,715.4	2,699.5	2,693.9	5.7	6.0	-157.94	51.7	-77.6	124.4	112.8	11.63	10.699	
2,725.0	2,722.9	2,706.7	2,701.1	5.7	6.0	-158.19	51.9	-78.8	126.7	115.0	11.67	10.854	
2,750.0	2,747.7	2,730.5	2,724.5	5.8	6.1	-158.96	52.5	-82.9	134.2	122.3	11.82	11.354	
2,775.0	2,772.4	2,754.3	2,747.9	5.9	6.2	-159.64	53.1	-87.0	141.7	129.7	11.96	11.845	
2,800.0	2,797.2	2,778.1	2,771.4	5.9	6.3	-160.25	53.8	-91.1	149.2	137.1	12.10	12.324	
2,825.0	2,822.0	2,801.9	2,794.8	6.0	6.3	-160.81	54.4	-95.2	156.7	144.5	12.25	12.788	
2,850.0	2,846.7	2,825.7	2,818.2	6.0	6.4	-161.31	55.0	-99.2	164.3	151.8	12.41	13.238	
2,875.0	2,871.5	2,849.5	2,841.7	6.1	6.5	-161.78	55.6	-103.3	171.8	159.2	12.56	13.677	
2,900.0	2,896.2	2,873.3	2,865.1	6.2	6.6	-162.20	56.2	-107.4	179.4	166.7	12.72	14.107	
2,925.0	2,921.0	2,897.1	2,888.5	6.3	6.7	-162.59	56.8	-111.5	186.9	174.1	12.87	14.522	
2,950.0	2,945.7	2,920.9	2,912.0	6.3	6.8	-162.94	57.5	-115.6	194.5	181.5	13.03	14.925	
2,975.0	2,970.5	2,944.7	2,935.4	6.4	6.8	-163.27	58.1	-119.7	202.1	188.9	13.19	15.318	
3,000.0	2,995.2	2,968.5	2,958.8	6.5	6.9	-163.58	58.7	-123.8	209.7	196.3	13.35	15.702	
3,025.0	3,020.0	2,992.3	2,982.3	6.6	7.0	-163.87	59.3	-127.8	217.3	203.8	13.52	16.074	
3,050.0	3,044.8	3,016.1	3,005.7	6.6	7.1	-164.13	59.9	-131.9	224.9	211.2	13.68	16.434	
3,075.0	3,069.5	3,039.9	3,029.1	6.7	7.2	-164.38	60.6	-136.0	232.5	218.6	13.85	16.786	
3,100.0	3,094.3	3,063.7	3,052.6	6.8	7.3	-164.61	61.2	-140.1	240.1	226.1	14.02	17.129	
3,125.0	3,119.0	3,087.5	3,076.0	6.9	7.4	-164.83	61.8	-144.2	247.7	233.5	14.19	17.461	
3,150.0	3,143.8	3,111.3	3,099.5	7.0	7.4	-165.04	62.4	-148.3	255.3	241.0	14.36	17.784	
3,175.0	3,168.5	3,135.1	3,122.9	7.1	7.5	-165.23	63.0	-152.4	263.0	248.4	14.53	18.099	
3,200.0	3,193.3	3,158.9	3,146.3	7.1	7.6	-165.42	63.7	-156.4	270.6	255.9	14.70	18.406	
3,225.0	3,218.1	3,182.7	3,169.8	7.2	7.7	-165.59	64.3	-160.5	278.2	263.3	14.87	18.703	
3,250.0	3,242.8	3,206.5	3,193.2	7.3	7.8	-165.75	64.9	-164.6	285.8	270.8	15.05	18.994	
3,275.0	3,267.6	3,230.3	3,216.6	7.4	7.9	-165.91	65.5	-168.7	293.4	278.2	15.22	19.275	
3,300.0	3,292.3	3,254.1	3,240.1	7.5	8.0	-166.06	66.1	-172.8	301.1	285.7	15.40	19.551	
3,325.0	3,317.1	3,277.8	3,263.5	7.6	8.1	-166.20	66.7	-176.9	308.7	293.1	15.58	19.818	
3,350.0	3,341.8	3,301.6	3,286.9	7.7	8.2	-166.33	67.4	-180.9	316.3	300.6	15.75	20.079	
3,375.0	3,366.6	3,325.4	3,310.4	7.8	8.3	-166.46	68.0	-185.0	324.0	308.0	15.93	20.332	
3,400.0	3,391.4	3,349.2	3,333.8	7.9	8.3	-166.58	68.6	-189.1	331.6	315.5	16.11	20.580	
3,425.0	3,416.1	3,373.0	3,357.2	8.0	8.4	-166.69	69.2	-193.2	339.2	323.0	16.29	20.820	
3,450.0	3,440.9	3,396.8	3,380.7	8.0	8.5	-166.80	69.8	-197.3	346.9	330.4	16.47	21.055	
3,475.0	3,465.6	3,420.6	3,404.1	8.1	8.6	-166.91	70.5	-201.4	354.5	337.9	16.66	21.284	
3,500.0	3,490.4	3,444.4	3,427.5	8.2	8.7	-167.01	71.1	-205.5	362.2	345.3	16.84	21.507	
3,525.0	3,515.1	3,468.2	3,451.0	8.3	8.8	-167.11	71.7	-209.5	369.8	352.8	17.02	21.724	
3,550.0	3,539.9	3,492.0	3,474.4	8.4	8.9	-167.20	72.3	-213.6	377.4	360.2	17.21	21.936	
3,575.0	3,564.7	3,515.8	3,497.8	8.5	9.0	-167.29	72.9	-217.7	385.1	367.7	17.39	22.143	
3,600.0	3,589.4	3,539.6	3,521.3	8.6	9.1	-167.38	73.6	-221.8	392.7	375.2	17.58	22.345	
3,625.0	3,614.2	3,563.4	3,544.7	8.7	9.2	-167.46	74.2	-225.9	400.4	382.6	17.76	22.541	
3,650.0	3,638.9	3,587.2	3,568.2	8.8	9.3	-167.54	74.8	-230.0	408.0	390.1	17.95	22.733	
3,675.0	3,663.7	3,611.0	3,591.6	8.9	9.4	-167.62	75.4	-234.1	415.7	397.5	18.13	22.921	
3,700.0	3,688.4	3,634.8	3,615.0	9.0	9.5	-167.69	76.0	-238.1	423.3	405.0	18.32	23.104	
3,725.0	3,713.2	3,658.6	3,638.5	9.1	9.6	-167.76	76.6	-242.2	431.0	412.4	18.51	23.282	
3,750.0	3,737.9	3,682.4	3,661.9	9.2	9.7	-167.83	77.3	-246.3	438.6	419.9	18.70	23.457	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,706.2	3,685.3	9.3	9.8	-167.90	77.9	-250.4	446.3	427.4	18.89	23.628	
3,800.0	3,787.5	3,730.0	3,708.8	9.4	9.9	-167.96	78.5	-254.5	453.9	434.8	19.08	23.794	
3,825.0	3,812.2	3,753.8	3,732.2	9.5	10.0	-168.03	79.1	-258.6	461.5	442.3	19.27	23.957	
3,850.0	3,837.0	3,777.6	3,755.6	9.6	10.1	-168.09	79.7	-262.7	469.2	449.7	19.46	24.116	
3,875.0	3,861.7	3,801.4	3,779.1	9.7	10.2	-168.14	80.4	-266.7	476.8	457.2	19.65	24.272	
3,900.0	3,886.5	3,825.2	3,802.5	9.8	10.3	-168.20	81.0	-270.8	484.5	464.7	19.84	24.424	
3,925.0	3,911.2	3,849.0	3,825.9	9.9	10.4	-168.25	81.6	-274.9	492.1	472.1	20.03	24.572	
3,950.0	3,936.0	3,872.8	3,849.4	10.0	10.5	-168.31	82.2	-279.0	499.8	479.6	20.22	24.717	
3,975.0	3,960.8	3,896.6	3,872.8	10.1	10.6	-168.36	82.8	-283.1	507.5	487.0	20.41	24.860	
4,000.0	3,985.5	3,920.4	3,896.2	10.2	10.7	-168.41	83.5	-287.2	515.1	494.5	20.61	24.999	
4,025.0	4,010.3	3,944.1	3,919.7	10.3	10.8	-168.46	84.1	-291.2	522.8	502.0	20.80	25.134	
4,050.0	4,035.0	3,967.9	3,943.1	10.4	10.9	-168.50	84.7	-295.3	530.4	509.4	20.99	25.267	
4,075.0	4,059.8	3,991.7	3,966.5	10.5	11.0	-168.55	85.3	-299.4	538.1	516.9	21.19	25.398	
4,100.0	4,084.5	4,015.5	3,990.0	10.6	11.1	-168.59	85.9	-303.5	545.7	524.3	21.38	25.526	
4,125.0	4,109.3	4,039.3	4,013.4	10.7	11.2	-168.64	86.6	-307.6	553.4	531.8	21.57	25.650	
4,150.0	4,134.1	4,063.1	4,036.9	10.8	11.3	-168.68	87.2	-311.7	561.0	539.3	21.77	25.773	
4,175.0	4,158.8	4,086.9	4,060.3	10.9	11.4	-168.72	87.8	-315.8	568.7	546.7	21.96	25.893	
4,200.0	4,183.6	4,110.7	4,083.7	11.0	11.5	-168.76	88.4	-319.8	576.3	554.2	22.16	26.011	
4,225.0	4,208.3	4,134.5	4,107.2	11.1	11.6	-168.80	89.0	-323.9	584.0	561.6	22.35	26.125	
4,250.0	4,233.1	4,158.3	4,130.6	11.2	11.7	-168.84	89.6	-328.0	591.6	569.1	22.55	26.238	
4,275.0	4,257.8	4,182.1	4,154.0	11.3	11.8	-168.87	90.3	-332.1	599.3	576.5	22.74	26.349	
4,300.0	4,282.6	4,205.9	4,177.5	11.4	11.9	-168.91	90.9	-336.2	606.9	584.0	22.94	26.457	
4,325.0	4,307.4	4,229.7	4,200.9	11.5	12.0	-168.94	91.5	-340.3	614.6	591.5	23.13	26.570	
4,350.0	4,332.1	4,253.5	4,224.3	11.6	12.1	-168.98	92.1	-344.4	622.3	598.9	23.32	26.681	
4,365.6	4,347.6	4,268.4	4,239.0	11.6	12.1	-169.00	92.5	-346.9	627.0	603.6	23.44	26.749	
4,375.0	4,356.9	4,277.3	4,247.8	11.7	12.2	-169.02	92.7	-348.4	629.9	606.4	23.51	26.792	
4,400.0	4,381.6	4,301.1	4,271.2	11.7	12.3	-169.06	93.4	-352.5	637.5	613.8	23.70	26.900	
4,425.0	4,406.4	4,325.0	4,294.7	11.8	12.4	-169.11	94.0	-356.6	644.9	621.0	23.89	26.991	
4,450.0	4,431.2	4,348.9	4,318.3	11.9	12.5	-169.15	94.6	-360.7	652.3	628.2	24.09	27.077	
4,475.0	4,456.0	4,372.8	4,341.8	12.0	12.6	-169.18	95.2	-364.8	659.6	635.3	24.29	27.157	
4,500.0	4,480.9	4,396.7	4,365.4	12.1	12.7	-169.22	95.8	-368.9	666.7	642.2	24.48	27.231	
4,525.0	4,505.7	4,420.7	4,389.0	12.2	12.8	-169.25	96.5	-373.1	673.8	649.1	24.68	27.302	
4,550.0	4,530.5	4,444.7	4,412.7	12.3	12.9	-169.28	97.1	-377.2	680.7	655.9	24.87	27.367	
4,575.0	4,555.4	4,468.8	4,436.3	12.4	13.0	-169.31	97.7	-381.3	687.6	662.5	25.07	27.427	
4,600.0	4,580.3	4,492.9	4,460.1	12.5	13.1	-169.33	98.3	-385.4	694.3	669.1	25.26	27.482	
4,625.0	4,605.2	4,517.0	4,483.8	12.6	13.2	-169.36	99.0	-389.6	701.0	675.5	25.46	27.535	
4,650.0	4,630.1	4,541.1	4,507.6	12.7	13.3	-169.38	99.6	-393.7	707.5	681.9	25.65	27.582	
4,675.0	4,655.0	4,565.2	4,531.3	12.8	13.4	-169.40	100.2	-397.9	713.9	688.1	25.84	27.624	
4,700.0	4,679.9	4,589.4	4,555.2	12.9	13.5	-169.41	100.9	-402.0	720.3	694.2	26.04	27.662	
4,725.0	4,704.8	4,613.6	4,579.0	13.0	13.6	-169.43	101.5	-406.2	726.5	700.3	26.23	27.698	
4,750.0	4,729.7	4,637.9	4,602.9	13.1	13.7	-169.44	102.1	-410.3	732.6	706.2	26.42	27.729	
4,775.0	4,754.7	4,662.1	4,626.8	13.2	13.8	-169.45	102.7	-414.5	738.6	712.0	26.61	27.756	
4,800.0	4,779.6	4,686.4	4,650.7	13.3	13.9	-169.46	103.4	-418.7	744.6	717.8	26.80	27.779	
4,825.0	4,804.6	4,710.7	4,674.6	13.4	14.0	-169.47	104.0	-422.9	750.4	723.4	26.99	27.801	
4,850.0	4,829.5	4,735.1	4,698.6	13.4	14.1	-169.48	104.6	-427.0	756.1	728.9	27.18	27.819	
4,875.0	4,854.5	4,759.5	4,722.6	13.5	14.2	-169.48	105.3	-431.2	761.7	734.3	27.37	27.832	
4,900.0	4,879.5	4,783.8	4,746.6	13.6	14.3	-169.48	105.9	-435.4	767.2	739.6	27.55	27.842	
4,925.0	4,904.4	4,808.3	4,770.7	13.7	14.5	-169.48	106.5	-439.6	772.6	744.8	27.74	27.853	
4,950.0	4,929.4	4,832.7	4,794.7	13.8	14.6	-169.48	107.2	-443.8	777.9	749.9	27.92	27.860	
4,975.0	4,954.4	4,857.1	4,818.8	13.9	14.7	-169.48	107.8	-448.0	783.1	754.9	28.10	27.863	
5,000.0	4,979.4	4,881.6	4,842.9	13.9	14.8	-169.48	108.5	-452.2	788.1	759.8	28.29	27.862	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,025.0	5,004.4	4,906.1	4,867.0	14.0	14.9	-169.47	109.1	-456.4	793.1	764.6	28.46	27.865	
5,050.0	5,029.4	4,930.6	4,891.2	14.1	15.0	-169.46	109.7	-460.6	798.0	769.3	28.64	27.864	
5,075.0	5,054.4	4,955.2	4,915.4	14.1	15.1	-169.46	110.4	-464.8	802.7	773.9	28.81	27.860	
5,100.0	5,079.4	4,979.7	4,939.5	14.2	15.2	-169.45	111.0	-469.0	807.4	778.4	28.99	27.852	
5,125.0	5,104.4	5,004.3	4,963.7	14.2	15.3	-169.44	111.6	-473.2	812.0	782.8	29.13	27.872	
5,150.0	5,129.4	5,028.9	4,988.0	14.3	15.4	-169.42	112.3	-477.5	816.4	787.1	29.28	27.887	
5,165.6	5,145.0	5,044.3	5,003.1	14.3	15.5	-85.54	112.7	-480.1	819.1	789.8	29.37	27.894	
5,175.0	5,154.4	5,053.5	5,012.2	14.3	15.5	-85.54	112.9	-481.7	820.8	791.3	29.41	27.907	
5,200.0	5,179.4	5,078.2	5,036.5	14.3	15.6	-85.51	113.6	-485.9	825.1	795.6	29.53	27.941	
5,225.0	5,204.4	5,102.8	5,060.7	14.3	15.7	-85.49	114.2	-490.1	829.4	799.8	29.66	27.966	
5,250.0	5,229.4	5,127.4	5,085.0	14.3	15.9	-85.47	114.8	-494.4	833.7	804.0	29.79	27.990	
5,275.0	5,254.4	5,152.0	5,109.2	14.3	16.0	-85.45	115.5	-498.6	838.1	808.2	29.92	28.014	
5,300.0	5,279.4	5,176.6	5,133.4	14.4	16.1	-85.43	116.1	-502.8	842.4	812.4	30.05	28.037	
5,325.0	5,304.4	5,201.3	5,157.7	14.4	16.2	-85.41	116.8	-507.1	846.7	816.6	30.18	28.060	
5,350.0	5,329.4	5,225.9	5,181.9	14.4	16.3	-85.39	117.4	-511.3	851.1	820.8	30.31	28.082	
5,375.0	5,354.4	5,250.5	5,206.2	14.4	16.4	-85.37	118.0	-515.5	855.4	825.0	30.44	28.104	
5,400.0	5,379.4	5,275.1	5,230.4	14.4	16.5	-85.35	118.7	-519.7	859.7	829.2	30.57	28.125	
5,425.0	5,404.4	5,299.7	5,254.7	14.4	16.6	-85.33	119.3	-524.0	864.1	833.4	30.70	28.146	
5,450.0	5,429.4	5,324.4	5,278.9	14.4	16.7	-85.31	120.0	-528.2	868.4	837.6	30.83	28.167	
5,475.0	5,454.4	5,349.0	5,303.2	14.5	16.8	-85.29	120.6	-532.4	872.7	841.8	30.96	28.186	
5,500.0	5,479.4	5,373.6	5,327.4	14.5	16.9	-85.27	121.2	-536.6	877.0	846.0	31.09	28.206	
5,525.0	5,504.4	5,398.2	5,351.7	14.5	17.0	-85.25	121.9	-540.9	881.4	850.2	31.23	28.225	
5,550.0	5,529.4	5,422.8	5,375.9	14.5	17.2	-85.23	122.5	-545.1	885.7	854.3	31.36	28.244	
5,575.0	5,554.4	5,447.5	5,400.2	14.5	17.3	-85.21	123.2	-549.3	890.0	858.5	31.49	28.262	
5,600.0	5,579.4	5,472.1	5,424.4	14.5	17.4	-85.19	123.8	-553.5	894.4	862.7	31.63	28.280	
5,625.0	5,604.4	5,496.7	5,448.7	14.5	17.5	-85.17	124.5	-557.8	898.7	866.9	31.76	28.298	
5,650.0	5,629.4	5,521.3	5,472.9	14.6	17.6	-85.16	125.1	-562.0	903.0	871.1	31.89	28.315	
5,675.0	5,654.4	5,545.9	5,497.1	14.6	17.7	-85.14	125.7	-566.2	907.4	875.3	32.03	28.331	
5,700.0	5,679.4	5,570.6	5,521.4	14.6	17.8	-85.12	126.4	-570.5	911.7	879.5	32.16	28.348	
5,725.0	5,704.4	5,595.2	5,545.6	14.6	17.9	-85.10	127.0	-574.7	916.0	883.7	32.30	28.364	
5,750.0	5,729.4	5,619.8	5,569.9	14.6	18.0	-85.09	127.7	-578.9	920.4	887.9	32.42	28.385	
5,775.0	5,754.4	5,648.3	5,598.0	14.6	18.1	-85.07	128.4	-583.8	924.7	892.1	32.58	28.378	
5,800.0	5,779.4	5,677.7	5,626.9	14.6	18.3	-85.05	129.1	-588.6	928.8	896.1	32.75	28.362	
5,825.0	5,804.4	5,707.1	5,656.0	14.6	18.4	-85.03	129.8	-593.3	932.9	899.9	32.91	28.342	
5,850.0	5,829.4	5,736.6	5,685.1	14.7	18.5	-85.01	130.5	-597.9	936.8	903.7	33.08	28.318	
5,875.0	5,854.4	5,766.2	5,714.3	14.7	18.6	-84.99	131.2	-602.3	940.6	907.3	33.25	28.290	
5,900.0	5,879.4	5,795.8	5,743.6	14.7	18.8	-84.97	131.8	-606.6	944.2	910.8	33.41	28.260	
5,925.0	5,904.4	5,825.4	5,772.9	14.7	18.9	-84.96	132.5	-610.8	947.7	914.2	33.57	28.229	
5,950.0	5,929.4	5,855.1	5,802.3	14.7	19.0	-84.94	133.1	-614.8	951.1	917.4	33.73	28.195	
5,975.0	5,954.4	5,884.8	5,831.8	14.7	19.2	-84.93	133.7	-618.6	954.4	920.5	33.89	28.158	
6,000.0	5,979.4	5,914.5	5,861.3	14.7	19.3	-84.91	134.2	-622.3	957.6	923.5	34.05	28.120	
6,025.0	6,004.4	5,944.3	5,890.9	14.8	19.4	-84.90	134.8	-625.9	960.6	926.4	34.21	28.080	
6,050.0	6,029.4	5,974.2	5,920.5	14.8	19.5	-84.89	135.3	-629.3	963.5	929.1	34.36	28.038	
6,075.0	6,054.4	6,004.0	5,950.2	14.8	19.6	-84.88	135.8	-632.6	966.2	931.7	34.52	27.992	
6,100.0	6,079.4	6,033.9	5,979.9	14.8	19.8	-84.87	136.3	-635.7	968.9	934.2	34.67	27.948	
6,125.0	6,104.4	6,063.9	6,009.7	14.8	19.9	-84.85	136.7	-638.6	971.4	936.5	34.82	27.900	
6,150.0	6,129.4	6,093.8	6,039.5	14.8	20.0	-84.84	137.1	-641.5	973.7	938.8	34.96	27.849	
6,175.0	6,154.4	6,123.8	6,069.4	14.8	20.1	-84.83	137.5	-644.1	976.0	940.9	35.11	27.799	
6,200.0	6,179.4	6,153.9	6,099.3	14.9	20.2	-84.83	137.9	-646.6	978.1	942.8	35.25	27.747	
6,225.0	6,204.4	6,183.9	6,129.3	14.9	20.3	-84.82	138.3	-649.0	980.1	944.7	35.39	27.692	
6,250.0	6,229.4	6,214.0	6,159.3	14.9	20.5	-84.81	138.6	-651.2	981.9	946.4	35.53	27.637	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
6,275.0	6,254.4	6,244.1	6,189.3	14.9	20.6	-84.80	138.9	-653.2	983.6	948.0	35.66	27.582	
6,300.0	6,279.4	6,274.2	6,219.3	14.9	20.7	-84.80	139.2	-655.1	985.2	949.4	35.80	27.524	
6,325.0	6,304.4	6,304.3	6,249.4	14.9	20.8	-84.79	139.5	-656.9	986.7	950.8	35.93	27.464	
6,350.0	6,329.4	6,334.5	6,279.5	14.9	20.9	-84.78	139.7	-658.5	988.0	952.0	36.05	27.407	
6,375.0	6,354.4	6,364.6	6,309.7	15.0	21.0	-84.78	139.9	-659.9	989.2	953.0	36.17	27.347	
6,400.0	6,379.4	6,394.8	6,339.8	15.0	21.1	-84.77	140.1	-661.2	990.3	954.0	36.29	27.284	
6,425.0	6,404.4	6,425.0	6,370.0	15.0	21.2	-84.77	140.3	-662.3	991.2	954.8	36.41	27.226	
6,450.0	6,429.4	6,455.2	6,400.2	15.0	21.3	-84.77	140.4	-663.2	992.0	955.5	36.52	27.166	
6,475.0	6,454.4	6,485.4	6,430.4	15.0	21.4	-84.76	140.5	-664.0	992.7	956.0	36.62	27.104	
6,500.0	6,479.4	6,515.6	6,460.6	15.0	21.4	-84.76	140.6	-664.7	993.2	956.5	36.72	27.047	
6,525.0	6,504.4	6,545.9	6,490.8	15.0	21.5	-84.76	140.7	-665.2	993.6	956.8	36.81	26.994	
6,550.0	6,529.4	6,576.1	6,521.1	15.1	21.6	-84.76	140.8	-665.5	993.9	957.0	36.90	26.938	
6,575.0	6,554.4	6,606.3	6,551.3	15.1	21.7	-84.76	140.8	-665.7	994.0	957.1	36.97	26.888	
6,600.0	6,579.4	6,634.4	6,579.4	15.1	21.7	-84.76	140.8	-665.7	994.1	957.1	37.00	26.869	
6,625.0	6,604.4	6,659.4	6,604.4	15.1	21.7	-84.76	140.8	-665.7	994.1	957.0	37.02	26.855	
6,650.0	6,629.4	6,684.4	6,629.4	15.1	21.7	-84.76	140.8	-665.7	994.1	957.0	37.04	26.841	
6,675.0	6,654.4	6,709.4	6,654.4	15.1	21.7	-84.76	140.8	-665.7	994.1	957.0	37.06	26.826	
6,700.0	6,679.4	6,734.4	6,679.4	15.1	21.7	-84.76	140.8	-665.7	994.1	957.0	37.08	26.810	
6,725.0	6,704.4	6,759.4	6,704.4	15.2	21.7	-84.76	140.8	-665.7	994.1	957.0	37.10	26.794	
6,750.0	6,729.4	6,784.4	6,729.4	15.2	21.7	-84.76	140.8	-665.7	994.1	956.9	37.12	26.778	
6,775.0	6,754.4	6,809.4	6,754.4	15.2	21.7	-84.76	140.8	-665.7	994.1	956.9	37.14	26.763	
6,800.0	6,779.4	6,834.4	6,779.4	15.2	21.7	-84.76	140.8	-665.7	994.1	956.9	37.17	26.747	
6,825.0	6,804.4	6,859.4	6,804.4	15.2	21.7	-84.76	140.8	-665.7	994.1	956.9	37.19	26.731	
6,850.0	6,829.4	6,884.4	6,829.4	15.2	21.8	-84.76	140.8	-665.7	994.1	956.8	37.21	26.715	
6,875.0	6,854.4	6,909.4	6,854.4	15.2	21.8	-84.76	140.8	-665.7	994.1	956.8	37.23	26.699	
6,900.0	6,879.4	6,934.4	6,879.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.8	37.25	26.683	
6,925.0	6,904.4	6,959.4	6,904.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.8	37.28	26.667	
6,950.0	6,929.4	6,984.4	6,929.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.8	37.30	26.651	
6,975.0	6,954.4	7,009.4	6,954.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.7	37.32	26.635	
7,000.0	6,979.4	7,034.4	6,979.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.7	37.34	26.619	
7,025.0	7,004.4	7,059.4	7,004.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.7	37.37	26.604	
7,050.0	7,029.4	7,084.4	7,029.4	15.3	21.8	-84.76	140.8	-665.7	994.1	956.7	37.39	26.588	
7,075.0	7,054.4	7,109.4	7,054.4	15.4	21.8	-84.76	140.8	-665.7	994.1	956.6	37.41	26.572	
7,100.0	7,079.4	7,134.4	7,079.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.6	37.43	26.556	
7,125.0	7,104.4	7,159.4	7,104.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.6	37.46	26.540	
7,150.0	7,129.4	7,184.4	7,129.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.6	37.48	26.524	
7,175.0	7,154.4	7,209.4	7,154.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.6	37.50	26.508	
7,200.0	7,179.4	7,234.4	7,179.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.5	37.52	26.492	
7,225.0	7,204.4	7,259.4	7,204.4	15.4	21.9	-84.76	140.8	-665.7	994.1	956.5	37.55	26.476	
7,250.0	7,229.4	7,284.4	7,229.4	15.5	21.9	-84.76	140.8	-665.7	994.1	956.5	37.57	26.460	
7,275.0	7,254.4	7,309.4	7,254.4	15.5	21.9	-84.76	140.8	-665.7	994.1	956.5	37.59	26.444	
7,300.0	7,279.4	7,334.4	7,279.4	15.5	21.9	-84.76	140.8	-665.7	994.1	956.4	37.61	26.428	
7,325.0	7,304.4	7,359.4	7,304.4	15.5	21.9	-84.76	140.8	-665.7	994.1	956.4	37.64	26.412	
7,350.0	7,329.4	7,384.4	7,329.4	15.5	21.9	-84.76	140.8	-665.7	994.1	956.4	37.66	26.397	
7,375.0	7,354.4	7,409.4	7,354.4	15.5	22.0	-84.76	140.8	-665.7	994.1	956.4	37.68	26.381	
7,400.0	7,379.4	7,434.4	7,379.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.4	37.70	26.365	
7,425.0	7,404.4	7,459.4	7,404.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.3	37.73	26.349	
7,450.0	7,429.4	7,484.4	7,429.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.3	37.75	26.333	
7,475.0	7,454.4	7,509.4	7,454.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.3	37.77	26.317	
7,500.0	7,479.4	7,534.4	7,479.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.3	37.80	26.301	
7,525.0	7,504.4	7,559.4	7,504.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.2	37.82	26.285	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
7,550.0	7,529.4	7,584.4	7,529.4	15.6	22.0	-84.76	140.8	-665.7	994.1	956.2	37.84	26.269	
7,575.0	7,554.4	7,609.4	7,554.4	15.7	22.0	-84.76	140.8	-665.7	994.1	956.2	37.86	26.253	
7,600.0	7,579.4	7,634.4	7,579.4	15.7	22.0	-84.76	140.8	-665.7	994.1	956.2	37.89	26.237	
7,625.0	7,604.4	7,659.4	7,604.4	15.7	22.0	-84.76	140.8	-665.7	994.1	956.1	37.91	26.221	
7,650.0	7,629.4	7,684.4	7,629.4	15.7	22.1	-84.76	140.8	-665.7	994.1	956.1	37.93	26.205	
7,675.0	7,654.4	7,709.4	7,654.4	15.7	22.1	-84.76	140.8	-665.7	994.1	956.1	37.96	26.189	
7,700.0	7,679.4	7,734.4	7,679.4	15.7	22.1	-84.76	140.8	-665.7	994.1	956.1	37.98	26.173	
7,725.0	7,704.4	7,759.4	7,704.4	15.7	22.1	-84.76	140.8	-665.7	994.1	956.1	38.00	26.157	
7,750.0	7,729.4	7,784.4	7,729.4	15.8	22.1	-84.76	140.8	-665.7	994.1	956.0	38.03	26.141	
7,775.0	7,754.4	7,809.4	7,754.4	15.8	22.1	-84.76	140.8	-665.7	994.1	956.0	38.05	26.125	
7,800.0	7,779.4	7,834.4	7,779.4	15.8	22.1	-84.76	140.8	-665.7	994.1	956.0	38.07	26.109	
7,825.0	7,804.4	7,859.4	7,804.4	15.8	22.1	-84.76	140.8	-665.7	994.1	956.0	38.10	26.093	
7,850.0	7,829.4	7,884.4	7,829.4	15.8	22.1	-84.76	140.8	-665.7	994.1	955.9	38.12	26.078	
7,875.0	7,854.4	7,909.4	7,854.4	15.8	22.1	-84.76	140.8	-665.7	994.1	955.9	38.14	26.062	
7,900.0	7,879.4	7,934.4	7,879.4	15.8	22.2	-84.76	140.8	-665.7	994.1	955.9	38.17	26.046	
7,925.0	7,904.4	7,959.4	7,904.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.9	38.19	26.030	
7,950.0	7,929.4	7,984.4	7,929.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.8	38.21	26.014	
7,975.0	7,954.4	8,009.4	7,954.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.8	38.24	25.998	
8,000.0	7,979.4	8,034.4	7,979.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.8	38.26	25.982	
8,025.0	8,004.4	8,059.4	8,004.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.8	38.28	25.966	
8,050.0	8,029.4	8,084.4	8,029.4	15.9	22.2	-84.76	140.8	-665.7	994.1	955.7	38.31	25.950	
8,075.0	8,054.4	8,109.4	8,054.4	16.0	22.2	-84.76	140.8	-665.7	994.1	955.7	38.33	25.934	
8,100.0	8,079.4	8,134.4	8,079.4	16.0	22.2	-84.76	140.8	-665.7	994.1	955.7	38.35	25.918	
8,125.0	8,104.4	8,159.4	8,104.4	16.0	22.2	-84.76	140.8	-665.7	994.1	955.7	38.38	25.902	
8,150.0	8,129.4	8,184.4	8,129.4	16.0	22.3	-84.76	140.8	-665.7	994.1	955.7	38.40	25.886	
8,175.0	8,154.4	8,209.4	8,154.4	16.0	22.3	-84.76	140.8	-665.7	994.1	955.6	38.42	25.870	
8,200.0	8,179.4	8,234.4	8,179.4	16.0	22.3	-84.76	140.8	-665.7	994.1	955.6	38.45	25.854	
8,225.0	8,204.4	8,259.4	8,204.4	16.0	22.3	-84.76	140.8	-665.7	994.1	955.6	38.47	25.838	
8,250.0	8,229.4	8,284.4	8,229.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.6	38.50	25.822	
8,275.0	8,254.4	8,309.4	8,254.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.5	38.52	25.806	
8,300.0	8,279.4	8,334.4	8,279.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.5	38.54	25.790	
8,325.0	8,304.4	8,359.4	8,304.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.5	38.57	25.774	
8,350.0	8,329.4	8,384.4	8,329.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.5	38.59	25.759	
8,375.0	8,354.4	8,409.4	8,354.4	16.1	22.3	-84.76	140.8	-665.7	994.1	955.4	38.62	25.743	
8,400.0	8,379.4	8,434.4	8,379.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.4	38.64	25.727	
8,425.0	8,404.4	8,459.4	8,404.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.4	38.66	25.711	
8,450.0	8,429.4	8,484.4	8,429.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.4	38.69	25.695	
8,475.0	8,454.4	8,509.4	8,454.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.3	38.71	25.679	
8,500.0	8,479.4	8,534.4	8,479.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.3	38.74	25.663	
8,525.0	8,504.4	8,559.4	8,504.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.3	38.76	25.647	
8,550.0	8,529.4	8,584.4	8,529.4	16.2	22.4	-84.76	140.8	-665.7	994.1	955.3	38.78	25.631	
8,575.0	8,554.4	8,609.4	8,554.4	16.3	22.4	-84.76	140.8	-665.7	994.1	955.2	38.81	25.615	
8,600.0	8,579.4	8,634.4	8,579.4	16.3	22.4	-84.76	140.8	-665.7	994.1	955.2	38.83	25.599	
8,625.0	8,604.4	8,659.4	8,604.4	16.3	22.4	-84.76	140.8	-665.7	994.1	955.2	38.86	25.583	
8,650.0	8,629.4	8,684.4	8,629.4	16.3	22.5	-84.76	140.8	-665.7	994.1	955.2	38.88	25.567	
8,675.0	8,654.4	8,709.4	8,654.4	16.3	22.5	-84.76	140.8	-665.7	994.1	955.2	38.90	25.551	
8,700.0	8,679.4	8,734.4	8,679.4	16.3	22.5	-84.76	140.8	-665.7	994.1	955.1	38.93	25.536	
8,725.0	8,704.4	8,759.4	8,704.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.1	38.95	25.520	
8,750.0	8,729.4	8,784.4	8,729.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.1	38.98	25.504	
8,775.0	8,754.4	8,809.4	8,754.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.1	39.00	25.488	
8,800.0	8,779.4	8,834.4	8,779.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.0	39.03	25.472	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
8,825.0	8,804.4	8,859.4	8,804.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.0	39.05	25.456	
8,850.0	8,829.4	8,884.4	8,829.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.0	39.07	25.440	
8,875.0	8,854.4	8,909.4	8,854.4	16.4	22.5	-84.76	140.8	-665.7	994.1	955.0	39.10	25.424	
8,900.0	8,879.4	8,934.4	8,879.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.9	39.12	25.408	
8,925.0	8,904.4	8,959.4	8,904.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.9	39.15	25.392	
8,950.0	8,929.4	8,984.4	8,929.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.9	39.17	25.377	
8,975.0	8,954.4	9,009.4	8,954.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.9	39.20	25.361	
9,000.0	8,979.4	9,034.4	8,979.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.8	39.22	25.345	
9,025.0	9,004.4	9,059.4	9,004.4	16.5	22.6	-84.76	140.8	-665.7	994.1	954.8	39.25	25.329	
9,050.0	9,029.4	9,084.4	9,029.4	16.6	22.6	-84.76	140.8	-665.7	994.1	954.8	39.27	25.313	
9,075.0	9,054.4	9,109.4	9,054.4	16.6	22.6	-84.76	140.8	-665.7	994.1	954.8	39.30	25.297	
9,100.0	9,079.4	9,134.4	9,079.4	16.6	22.6	-84.76	140.8	-665.7	994.1	954.7	39.32	25.281	
9,125.0	9,104.4	9,159.4	9,104.4	16.6	22.6	-84.76	140.8	-665.7	994.1	954.7	39.34	25.265	
9,150.0	9,129.4	9,184.4	9,129.4	16.6	22.7	-84.76	140.8	-665.7	994.1	954.7	39.37	25.249	
9,175.0	9,154.4	9,209.4	9,154.4	16.6	22.7	-84.76	140.8	-665.7	994.1	954.7	39.39	25.234	
9,200.0	9,179.4	9,234.4	9,179.4	16.6	22.7	-84.76	140.8	-665.7	994.1	954.6	39.42	25.218	
9,225.0	9,204.4	9,259.4	9,204.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.6	39.44	25.202	
9,250.0	9,229.4	9,284.4	9,229.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.6	39.47	25.186	
9,275.0	9,254.4	9,309.4	9,254.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.6	39.49	25.170	
9,300.0	9,279.4	9,334.4	9,279.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.5	39.52	25.154	
9,325.0	9,304.4	9,359.4	9,304.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.5	39.54	25.139	
9,350.0	9,329.4	9,384.4	9,329.4	16.7	22.7	-84.76	140.8	-665.7	994.1	954.5	39.57	25.123	
9,375.0	9,354.4	9,409.4	9,354.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.5	39.59	25.107	
9,400.0	9,379.4	9,434.4	9,379.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.4	39.62	25.091	
9,425.0	9,404.4	9,459.4	9,404.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.4	39.64	25.075	
9,450.0	9,429.4	9,484.4	9,429.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.4	39.67	25.059	
9,475.0	9,454.4	9,509.4	9,454.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.4	39.69	25.044	
9,500.0	9,479.4	9,534.4	9,479.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.3	39.72	25.028	
9,525.0	9,504.4	9,559.4	9,504.4	16.8	22.8	-84.76	140.8	-665.7	994.1	954.3	39.74	25.012	
9,550.0	9,529.4	9,584.4	9,529.4	16.9	22.8	-84.76	140.8	-665.7	994.1	954.3	39.77	24.996	
9,575.0	9,554.4	9,609.4	9,554.4	16.9	22.8	-84.76	140.8	-665.7	994.1	954.3	39.79	24.980	
9,600.0	9,579.4	9,634.4	9,579.4	16.9	22.8	-84.76	140.8	-665.7	994.1	954.2	39.82	24.965	
9,625.0	9,604.4	9,659.4	9,604.4	16.9	22.9	-84.76	140.8	-665.7	994.1	954.2	39.84	24.949	
9,650.0	9,629.4	9,684.4	9,629.4	16.9	22.9	-84.76	140.8	-665.7	994.1	954.2	39.87	24.933	
9,675.0	9,654.4	9,709.4	9,654.4	16.9	22.9	-84.76	140.8	-665.7	994.1	954.2	39.89	24.917	
9,700.0	9,679.4	9,734.4	9,679.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.1	39.92	24.901	
9,725.0	9,704.4	9,759.4	9,704.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.1	39.95	24.886	
9,750.0	9,729.4	9,784.4	9,729.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.1	39.97	24.870	
9,775.0	9,754.4	9,809.4	9,754.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.1	40.00	24.854	
9,800.0	9,779.4	9,834.4	9,779.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.0	40.02	24.838	
9,825.0	9,804.4	9,859.4	9,804.4	17.0	22.9	-84.76	140.8	-665.7	994.1	954.0	40.05	24.823	
9,850.0	9,829.4	9,884.4	9,829.4	17.1	23.0	-84.76	140.8	-665.7	994.1	954.0	40.07	24.807	
9,875.0	9,854.4	9,909.4	9,854.4	17.1	23.0	-84.76	140.8	-665.7	994.1	954.0	40.10	24.791	
9,900.0	9,879.4	9,934.4	9,879.4	17.1	23.0	-84.76	140.8	-665.7	994.1	953.9	40.12	24.775	
9,925.0	9,904.4	9,959.4	9,904.4	17.1	23.0	-84.76	140.8	-665.7	994.1	953.9	40.15	24.760	
9,950.0	9,929.4	9,984.4	9,929.4	17.1	23.0	-84.76	140.8	-665.7	994.1	953.9	40.17	24.744	
9,975.0	9,954.4	10,009.4	9,954.4	17.1	23.0	-84.76	140.8	-665.7	994.1	953.9	40.20	24.728	
10,000.0	9,979.4	10,034.4	9,979.4	17.1	23.0	-84.76	140.8	-665.7	994.1	953.8	40.22	24.712	
10,025.0	10,004.4	10,059.4	10,004.4	17.2	23.0	-84.76	140.8	-665.7	994.1	953.8	40.25	24.697	
10,050.0	10,029.4	10,084.4	10,029.4	17.2	23.0	-84.76	140.8	-665.7	994.1	953.8	40.28	24.681	
10,075.0	10,054.4	10,109.4	10,054.4	17.2	23.1	-84.76	140.8	-665.7	994.1	953.8	40.30	24.665	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
10,100.0	10,079.4	10,134.4	10,079.4	17.2	23.1	-84.76	140.8	-665.7	994.1	953.7	40.33	24.650	
10,125.0	10,104.4	10,159.4	10,104.4	17.2	23.1	-84.76	140.8	-665.7	994.1	953.7	40.35	24.634	
10,150.0	10,129.4	10,184.4	10,129.4	17.2	23.1	-84.76	140.8	-665.7	994.1	953.7	40.38	24.618	
10,175.0	10,154.4	10,209.4	10,154.4	17.3	23.1	-84.76	140.8	-665.7	994.1	953.7	40.40	24.602	
10,200.0	10,179.4	10,234.4	10,179.4	17.3	23.1	-84.76	140.8	-665.7	994.1	953.6	40.43	24.587	
10,225.0	10,204.4	10,259.4	10,204.4	17.3	23.1	-84.76	140.8	-665.7	994.1	953.6	40.46	24.571	
10,250.0	10,229.4	10,284.4	10,229.4	17.3	23.1	-84.76	140.8	-665.7	994.1	953.6	40.48	24.554	
10,275.0	10,254.4	10,309.4	10,254.4	17.3	23.1	-84.76	140.8	-665.7	994.1	953.5	40.51	24.540	
10,277.5	10,256.9	10,311.9	10,256.9	17.3	23.1	-84.76	140.8	-665.7	994.1	953.5	40.51	24.539	
10,300.0	10,279.4	10,332.8	10,277.8	17.3	23.1	-84.76	140.9	-665.7	994.1	953.5	40.53	24.528	
10,307.2	10,286.6	10,338.9	10,283.8	17.4	23.1	-84.75	141.0	-665.7	994.1	953.5	40.54	24.524	
10,325.0	10,304.4	10,353.8	10,298.7	17.4	23.1	-84.65	141.7	-665.7	994.1	953.6	40.55	24.519	
10,350.0	10,329.3	10,375.0	10,319.9	17.4	23.1	-84.62	143.5	-665.7	994.2	953.6	40.56	24.513	
10,375.0	10,354.1	10,395.6	10,340.3	17.4	23.1	-84.61	146.1	-665.7	994.2	953.6	40.57	24.505	
10,400.0	10,378.8	10,416.5	10,360.9	17.4	23.1	-84.60	149.6	-665.7	994.2	953.6	40.58	24.498	
10,425.0	10,403.2	10,437.4	10,381.3	17.4	23.1	-84.61	154.1	-665.7	994.2	953.6	40.60	24.489	
10,450.0	10,427.2	10,458.3	10,401.5	17.4	23.2	-84.63	159.4	-665.7	994.2	953.5	40.61	24.480	
10,475.0	10,450.9	10,479.3	10,421.5	17.4	23.2	-84.67	165.6	-665.7	994.1	953.5	40.62	24.470	
10,500.0	10,474.2	10,500.0	10,441.0	17.4	23.2	-84.72	172.7	-665.7	994.0	953.4	40.64	24.460	
10,525.0	10,496.9	10,521.2	10,460.6	17.4	23.2	-84.78	180.7	-665.7	993.9	953.3	40.65	24.449	
10,550.0	10,519.0	10,542.2	10,479.7	17.4	23.2	-84.85	189.5	-665.8	993.8	953.2	40.67	24.437	
10,575.0	10,540.5	10,563.2	10,498.4	17.4	23.2	-84.93	199.2	-665.8	993.7	953.0	40.68	24.425	
10,600.0	10,561.3	10,584.3	10,516.7	17.4	23.2	-85.03	209.7	-665.8	993.6	952.9	40.70	24.412	
10,625.0	10,581.4	10,605.5	10,534.5	17.4	23.2	-85.13	221.1	-665.8	993.4	952.7	40.72	24.399	
10,650.0	10,600.7	10,625.0	10,550.5	17.4	23.2	-85.25	232.2	-665.8	993.2	952.5	40.73	24.383	
10,675.0	10,619.0	10,648.0	10,568.8	17.4	23.2	-85.38	246.2	-665.8	993.0	952.3	40.75	24.370	
10,700.0	10,636.5	10,669.3	10,585.1	17.4	23.2	-85.53	259.9	-665.8	992.8	952.1	40.77	24.354	
10,725.0	10,653.0	10,690.7	10,600.8	17.4	23.2	-85.68	274.4	-665.9	992.6	951.9	40.79	24.338	
10,750.0	10,668.6	10,712.3	10,616.0	17.4	23.2	-85.84	289.7	-665.9	992.4	951.6	40.81	24.321	
10,775.0	10,683.0	10,733.9	10,630.5	17.5	23.2	-86.02	305.7	-665.9	992.2	951.4	40.83	24.303	
10,800.0	10,696.4	10,755.6	10,644.3	17.5	23.2	-86.20	322.4	-665.9	992.0	951.2	40.85	24.284	
10,825.0	10,708.7	10,777.4	10,657.5	17.5	23.2	-86.39	339.9	-665.9	991.8	950.9	40.88	24.264	
10,850.0	10,719.8	10,800.0	10,670.2	17.5	23.2	-86.60	358.5	-666.0	991.6	950.7	40.90	24.243	
10,875.0	10,729.7	10,821.4	10,681.4	17.5	23.2	-86.80	376.8	-666.0	991.4	950.4	40.93	24.220	
10,900.0	10,738.4	10,843.6	10,692.2	17.6	23.2	-87.02	396.2	-666.0	991.2	950.2	40.96	24.196	
10,925.0	10,745.8	10,866.0	10,702.2	17.6	23.3	-87.25	416.2	-666.0	991.0	950.0	41.00	24.171	
10,950.0	10,752.0	10,888.5	10,711.2	17.6	23.3	-87.48	436.8	-666.0	990.8	949.7	41.04	24.144	
10,975.0	10,757.0	10,911.1	10,719.3	17.6	23.3	-87.72	457.9	-666.1	990.6	949.5	41.08	24.115	
11,000.0	10,760.6	10,933.9	10,726.4	17.7	23.3	-87.97	479.6	-666.1	990.4	949.3	41.12	24.084	
11,025.0	10,762.9	10,956.9	10,732.6	17.7	23.3	-88.22	501.8	-666.1	990.3	949.1	41.17	24.052	
11,050.0	10,764.0	10,980.1	10,737.7	17.8	23.4	-88.48	524.4	-666.2	990.2	948.9	41.23	24.017	
11,052.3	10,764.0	10,982.3	10,738.1	17.8	23.4	-88.50	526.5	-666.2	990.1	948.9	41.23	24.014	
11,075.0	10,764.2	11,003.6	10,741.7	17.8	23.4	-88.70	547.5	-666.2	990.1	948.8	41.29	23.979	
11,100.0	10,764.5	11,027.3	10,744.7	17.8	23.4	-88.85	571.1	-666.2	990.0	948.6	41.36	23.939	
11,125.0	10,764.7	11,051.3	10,746.5	17.9	23.4	-88.94	595.0	-666.2	990.0	948.5	41.44	23.891	
11,143.7	10,764.9	11,069.3	10,747.0	17.9	23.5	-88.96	613.0	-666.3	990.0	948.5	41.50	23.855	
11,150.0	10,765.0	11,075.6	10,747.1	18.0	23.5	-88.96	619.3	-666.3	990.0	948.4	41.52	23.841	
11,175.0	10,765.3	11,100.6	10,747.3	18.0	23.5	-88.96	644.3	-666.3	990.0	948.3	41.61	23.789	
11,200.0	10,765.5	11,125.6	10,747.6	18.1	23.5	-88.96	669.3	-666.3	990.0	948.2	41.71	23.732	
11,225.0	10,765.8	11,150.6	10,747.8	18.1	23.6	-88.96	694.3	-666.4	990.0	948.1	41.82	23.671	
11,250.0	10,766.0	11,175.6	10,748.1	18.2	23.6	-88.96	719.3	-666.4	990.0	948.0	41.93	23.610	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
11,275.0	10,766.3	11,200.6	10,748.4	18.3	23.7	-88.96	744.3	-666.4	990.0	947.9	42.04	23.550	
11,300.0	10,766.5	11,225.6	10,748.6	18.3	23.7	-88.96	769.3	-666.4	990.0	947.8	42.15	23.485	
11,325.0	10,766.8	11,250.6	10,748.9	18.4	23.8	-88.96	794.3	-666.5	990.0	947.7	42.28	23.417	
11,350.0	10,767.0	11,275.6	10,749.1	18.5	23.8	-88.96	819.3	-666.5	990.0	947.6	42.40	23.348	
11,375.0	10,767.3	11,300.6	10,749.4	18.5	23.9	-88.96	844.3	-666.5	990.0	947.4	42.52	23.280	
11,400.0	10,767.6	11,325.6	10,749.6	18.6	23.9	-88.96	869.3	-666.6	990.0	947.3	42.66	23.209	
11,425.0	10,767.8	11,350.6	10,749.9	18.7	24.0	-88.96	894.3	-666.6	990.0	947.2	42.79	23.133	
11,450.0	10,768.1	11,375.6	10,750.2	18.8	24.0	-88.96	919.3	-666.6	990.0	947.0	42.93	23.058	
11,475.0	10,768.3	11,400.6	10,750.4	18.9	24.1	-88.96	944.3	-666.6	990.0	946.9	43.07	22.984	
11,500.0	10,768.6	11,425.6	10,750.7	19.0	24.2	-88.96	969.3	-666.7	990.0	946.7	43.22	22.906	
11,525.0	10,768.8	11,450.6	10,750.9	19.0	24.2	-88.96	994.3	-666.7	990.0	946.6	43.37	22.825	
11,550.0	10,769.1	11,475.6	10,751.2	19.1	24.3	-88.96	1,019.3	-666.7	990.0	946.4	43.53	22.745	
11,575.0	10,769.3	11,500.6	10,751.4	19.2	24.3	-88.96	1,044.3	-666.8	990.0	946.3	43.68	22.664	
11,600.0	10,769.6	11,525.6	10,751.7	19.3	24.4	-88.96	1,069.3	-666.8	990.0	946.1	43.84	22.581	
11,625.0	10,769.9	11,550.6	10,752.0	19.4	24.5	-88.96	1,094.3	-666.8	990.0	946.0	44.01	22.495	
11,650.0	10,770.1	11,575.6	10,752.2	19.5	24.6	-88.96	1,119.3	-666.9	990.0	945.8	44.18	22.410	
11,675.0	10,770.4	11,600.6	10,752.5	19.6	24.6	-88.96	1,144.3	-666.9	990.0	945.6	44.34	22.325	
11,700.0	10,770.6	11,625.6	10,752.7	19.7	24.7	-88.97	1,169.2	-666.9	990.0	945.4	44.52	22.237	
11,725.0	10,770.9	11,650.6	10,753.0	19.8	24.8	-88.97	1,194.2	-666.9	990.0	945.3	44.70	22.147	
11,750.0	10,771.1	11,675.6	10,753.3	19.9	24.9	-88.97	1,219.2	-667.0	990.0	945.1	44.88	22.058	
11,775.0	10,771.4	11,700.6	10,753.5	20.0	24.9	-88.97	1,244.2	-667.0	990.0	944.9	45.06	21.969	
11,800.0	10,771.6	11,725.6	10,753.8	20.1	25.0	-88.97	1,269.2	-667.0	990.0	944.7	45.25	21.878	
11,825.0	10,771.9	11,750.6	10,754.0	20.3	25.1	-88.97	1,294.2	-667.1	990.0	944.5	45.44	21.785	
11,850.0	10,772.2	11,775.6	10,754.3	20.4	25.2	-88.97	1,319.2	-667.1	990.0	944.3	45.64	21.692	
11,875.0	10,772.4	11,800.6	10,754.5	20.5	25.3	-88.97	1,344.2	-667.1	990.0	944.1	45.83	21.600	
11,900.0	10,772.7	11,825.6	10,754.8	20.6	25.4	-88.97	1,369.2	-667.1	990.0	943.9	46.03	21.506	
11,925.0	10,772.9	11,850.6	10,755.1	20.7	25.5	-88.97	1,394.2	-667.2	990.0	943.7	46.24	21.410	
11,950.0	10,773.2	11,875.6	10,755.3	20.8	25.5	-88.97	1,419.2	-667.2	990.0	943.5	46.44	21.315	
11,975.0	10,773.4	11,900.6	10,755.6	21.0	25.6	-88.97	1,444.2	-667.2	990.0	943.3	46.65	21.221	
12,000.0	10,773.7	11,925.6	10,755.8	21.1	25.7	-88.97	1,469.2	-667.3	990.0	943.1	46.86	21.125	
12,025.0	10,773.9	11,950.6	10,756.1	21.2	25.8	-88.97	1,494.2	-667.3	990.0	942.9	47.08	21.027	
12,050.0	10,774.2	11,975.6	10,756.4	21.3	25.9	-88.97	1,519.2	-667.3	990.0	942.7	47.30	20.930	
12,075.0	10,774.5	12,000.6	10,756.6	21.5	26.0	-88.97	1,544.2	-667.4	990.0	942.5	47.52	20.835	
12,100.0	10,774.7	12,025.6	10,756.9	21.6	26.1	-88.97	1,569.2	-667.4	990.0	942.2	47.74	20.737	
12,125.0	10,775.0	12,050.6	10,757.1	21.7	26.2	-88.97	1,594.2	-667.4	990.0	942.0	47.97	20.638	
12,150.0	10,775.2	12,075.6	10,757.4	21.8	26.3	-88.97	1,619.2	-667.4	990.0	941.8	48.20	20.540	
12,175.0	10,775.5	12,100.6	10,757.6	22.0	26.4	-88.97	1,644.2	-667.5	990.0	941.5	48.43	20.443	
12,200.0	10,775.7	12,125.6	10,757.9	22.1	26.5	-88.97	1,669.2	-667.5	990.0	941.3	48.66	20.345	
12,225.0	10,776.0	12,150.6	10,758.2	22.2	26.6	-88.97	1,694.2	-667.5	990.0	941.1	48.90	20.246	
12,250.0	10,776.2	12,175.6	10,758.4	22.4	26.7	-88.97	1,719.2	-667.6	990.0	940.8	49.14	20.147	
12,275.0	10,776.5	12,200.6	10,758.7	22.5	26.9	-88.97	1,744.2	-667.6	990.0	940.6	49.38	20.050	
12,300.0	10,776.8	12,225.6	10,758.9	22.7	27.0	-88.97	1,769.2	-667.6	990.0	940.4	49.62	19.951	
12,325.0	10,777.0	12,250.6	10,759.2	22.8	27.1	-88.97	1,794.2	-667.6	990.0	940.1	49.87	19.852	
12,350.0	10,777.3	12,275.6	10,759.5	22.9	27.2	-88.97	1,819.2	-667.7	990.0	939.9	50.12	19.753	
12,375.0	10,777.5	12,300.6	10,759.7	23.1	27.3	-88.97	1,844.2	-667.7	990.0	939.6	50.37	19.656	
12,400.0	10,777.8	12,325.6	10,760.0	23.2	27.4	-88.97	1,869.2	-667.7	990.0	939.4	50.62	19.557	
12,425.0	10,778.0	12,350.6	10,760.2	23.4	27.5	-88.97	1,894.2	-667.8	990.0	939.1	50.88	19.458	
12,450.0	10,778.3	12,375.6	10,760.5	23.5	27.7	-88.97	1,919.2	-667.8	990.0	938.8	51.14	19.360	
12,475.0	10,778.5	12,400.6	10,760.7	23.7	27.8	-88.97	1,944.2	-667.8	990.0	938.6	51.39	19.263	
12,500.0	10,778.8	12,425.6	10,761.0	23.8	27.9	-88.97	1,969.2	-667.9	990.0	938.3	51.66	19.165	
12,525.0	10,779.1	12,450.6	10,761.3	24.0	28.0	-88.97	1,994.2	-667.9	990.0	938.1	51.92	19.067	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
12,550.0	10,779.3	12,475.6	10,761.5	24.1	28.1	-88.97	2,019.2	-667.9	990.0	937.8	52.19	18.969	
12,575.0	10,779.6	12,500.6	10,761.8	24.3	28.3	-88.97	2,044.2	-667.9	990.0	937.5	52.45	18.873	
12,600.0	10,779.8	12,525.6	10,762.0	24.4	28.4	-88.97	2,069.2	-668.0	990.0	937.2	52.73	18.776	
12,625.0	10,780.1	12,550.6	10,762.3	24.6	28.5	-88.97	2,094.2	-668.0	990.0	937.0	53.00	18.679	
12,650.0	10,780.3	12,575.6	10,762.5	24.7	28.6	-88.97	2,119.2	-668.0	990.0	936.7	53.27	18.583	
12,675.0	10,780.6	12,600.6	10,762.8	24.9	28.8	-88.97	2,144.2	-668.1	990.0	936.4	53.55	18.487	
12,700.0	10,780.8	12,625.6	10,763.1	25.0	28.9	-88.97	2,169.2	-668.1	990.0	936.1	53.83	18.392	
12,725.0	10,781.1	12,650.6	10,763.3	25.2	29.0	-88.97	2,194.2	-668.1	990.0	935.9	54.11	18.296	
12,750.0	10,781.4	12,675.6	10,763.6	25.3	29.2	-88.97	2,219.2	-668.1	990.0	935.6	54.39	18.201	
12,775.0	10,781.6	12,700.6	10,763.8	25.5	29.3	-88.97	2,244.2	-668.2	990.0	935.3	54.67	18.107	
12,800.0	10,781.9	12,725.6	10,764.1	25.6	29.4	-88.97	2,269.2	-668.2	990.0	935.0	54.96	18.013	
12,825.0	10,782.1	12,750.6	10,764.4	25.8	29.6	-88.97	2,294.2	-668.2	990.0	934.7	55.25	17.919	
12,850.0	10,782.4	12,775.6	10,764.6	26.0	29.7	-88.97	2,319.2	-668.3	990.0	934.4	55.54	17.825	
12,875.0	10,782.6	12,800.6	10,764.9	26.1	29.8	-88.97	2,344.2	-668.3	990.0	934.2	55.83	17.733	
12,900.0	10,782.9	12,825.6	10,765.1	26.3	30.0	-88.97	2,369.2	-668.3	990.0	933.9	56.12	17.640	
12,925.0	10,783.1	12,850.6	10,765.4	26.5	30.1	-88.97	2,394.2	-668.4	990.0	933.6	56.42	17.548	
12,950.0	10,783.4	12,875.6	10,765.6	26.6	30.3	-88.97	2,419.2	-668.4	990.0	933.3	56.71	17.456	
12,975.0	10,783.6	12,900.6	10,765.9	26.8	30.4	-88.97	2,444.2	-668.4	990.0	933.0	57.01	17.366	
13,000.0	10,783.9	12,925.6	10,766.2	26.9	30.5	-88.97	2,469.2	-668.4	990.0	932.7	57.31	17.275	
13,025.0	10,784.2	12,950.6	10,766.4	27.1	30.7	-88.97	2,494.2	-668.5	990.0	932.4	57.61	17.185	
13,050.0	10,784.4	12,975.6	10,766.7	27.3	30.8	-88.97	2,519.2	-668.5	990.0	932.1	57.91	17.095	
13,075.0	10,784.7	13,000.6	10,766.9	27.4	31.0	-88.97	2,544.2	-668.5	990.0	931.8	58.21	17.006	
13,100.0	10,784.9	13,025.6	10,767.2	27.6	31.1	-88.97	2,569.2	-668.6	990.0	931.5	58.52	16.917	
13,125.0	10,785.2	13,050.6	10,767.5	27.8	31.3	-88.97	2,594.2	-668.6	990.0	931.2	58.83	16.829	
13,150.0	10,785.4	13,075.6	10,767.7	27.9	31.4	-88.97	2,619.2	-668.6	990.0	930.8	59.13	16.741	
13,175.0	10,785.7	13,100.6	10,768.0	28.1	31.5	-88.97	2,644.2	-668.6	990.0	930.5	59.44	16.654	
13,200.0	10,785.9	13,125.6	10,768.2	28.3	31.7	-88.97	2,669.2	-668.7	990.0	930.2	59.75	16.568	
13,225.0	10,786.2	13,150.6	10,768.5	28.5	31.8	-88.97	2,694.2	-668.7	990.0	929.9	60.07	16.481	
13,250.0	10,786.5	13,175.6	10,768.7	28.6	32.0	-88.97	2,719.2	-668.7	990.0	929.6	60.38	16.396	
13,275.0	10,786.7	13,200.6	10,769.0	28.8	32.1	-88.97	2,744.2	-668.8	990.0	929.3	60.69	16.311	
13,300.0	10,787.0	13,225.6	10,769.3	29.0	32.3	-88.97	2,769.2	-668.8	990.0	929.0	61.01	16.226	
13,325.0	10,787.2	13,250.6	10,769.5	29.1	32.4	-88.98	2,794.2	-668.8	990.0	928.7	61.33	16.142	
13,350.0	10,787.5	13,275.6	10,769.8	29.3	32.6	-88.98	2,819.2	-668.9	990.0	928.3	61.65	16.059	
13,375.0	10,787.7	13,300.6	10,770.0	29.5	32.7	-88.98	2,844.2	-668.9	990.0	928.0	61.97	15.976	
13,400.0	10,788.0	13,325.6	10,770.3	29.7	32.9	-88.98	2,869.2	-668.9	990.0	927.7	62.29	15.893	
13,425.0	10,788.2	13,350.6	10,770.6	29.8	33.0	-88.98	2,894.2	-668.9	990.0	927.4	62.61	15.811	
13,450.0	10,788.5	13,375.6	10,770.8	30.0	33.2	-88.98	2,919.2	-669.0	990.0	927.0	62.94	15.730	
13,475.0	10,788.8	13,400.6	10,771.1	30.2	33.4	-88.98	2,944.2	-669.0	990.0	926.7	63.26	15.650	
13,500.0	10,789.0	13,425.6	10,771.3	30.4	33.5	-88.98	2,969.2	-669.0	990.0	926.4	63.59	15.569	
13,525.0	10,789.3	13,450.6	10,771.6	30.5	33.7	-88.98	2,994.2	-669.1	990.0	926.1	63.91	15.489	
13,550.0	10,789.5	13,475.6	10,771.8	30.7	33.8	-88.98	3,019.1	-669.1	990.0	925.7	64.24	15.410	
13,575.0	10,789.8	13,500.6	10,772.1	30.9	34.0	-88.98	3,044.1	-669.1	990.0	925.4	64.57	15.332	
13,600.0	10,790.0	13,525.6	10,772.4	31.1	34.1	-88.98	3,069.1	-669.1	990.0	925.1	64.90	15.254	
13,625.0	10,790.3	13,550.6	10,772.6	31.3	34.3	-88.98	3,094.1	-669.2	990.0	924.8	65.23	15.176	
13,650.0	10,790.5	13,575.6	10,772.9	31.4	34.5	-88.98	3,119.1	-669.2	990.0	924.4	65.57	15.099	
13,675.0	10,790.8	13,600.6	10,773.1	31.6	34.6	-88.98	3,144.1	-669.2	990.0	924.1	65.90	15.023	
13,700.0	10,791.1	13,625.6	10,773.4	31.8	34.8	-88.98	3,169.1	-669.3	990.0	923.8	66.23	14.947	
13,725.0	10,791.3	13,650.6	10,773.6	32.0	34.9	-88.98	3,194.1	-669.3	990.0	923.4	66.57	14.871	
13,750.0	10,791.6	13,675.6	10,773.9	32.2	35.1	-88.98	3,219.1	-669.3	990.0	923.1	66.91	14.796	
13,775.0	10,791.8	13,700.6	10,774.2	32.3	35.3	-88.98	3,244.1	-669.4	990.0	922.7	67.24	14.722	
13,800.0	10,792.1	13,725.6	10,774.4	32.5	35.4	-88.98	3,269.1	-669.4	990.0	922.4	67.58	14.649	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
13,825.0	10,792.3	13,750.6	10,774.7	32.7	35.6	-88.98	3,294.1	-669.4	990.0	922.1	67.92	14.575	
13,850.0	10,792.6	13,775.6	10,774.9	32.9	35.8	-88.98	3,319.1	-669.4	990.0	921.7	68.26	14.502	
13,875.0	10,792.8	13,800.6	10,775.2	33.1	35.9	-88.98	3,344.1	-669.5	990.0	921.4	68.60	14.430	
13,900.0	10,793.1	13,825.6	10,775.5	33.2	36.1	-88.98	3,369.1	-669.5	990.0	921.0	68.95	14.359	
13,925.0	10,793.4	13,850.6	10,775.7	33.4	36.3	-88.98	3,394.1	-669.5	990.0	920.7	69.29	14.287	
13,950.0	10,793.6	13,875.6	10,776.0	33.6	36.4	-88.98	3,419.1	-669.6	990.0	920.4	69.63	14.217	
13,975.0	10,793.9	13,900.6	10,776.2	33.8	36.6	-88.98	3,444.1	-669.6	990.0	920.0	69.98	14.147	
14,000.0	10,794.1	13,925.6	10,776.5	34.0	36.8	-88.98	3,469.1	-669.6	990.0	919.7	70.32	14.077	
14,025.0	10,794.4	13,950.6	10,776.7	34.2	36.9	-88.98	3,494.1	-669.6	990.0	919.3	70.67	14.008	
14,050.0	10,794.6	13,975.6	10,777.0	34.4	37.1	-88.98	3,519.1	-669.7	990.0	919.0	71.02	13.940	
14,075.0	10,794.9	14,000.6	10,777.3	34.5	37.3	-88.98	3,544.1	-669.7	990.0	918.6	71.37	13.872	
14,100.0	10,795.1	14,025.6	10,777.5	34.7	37.4	-88.98	3,569.1	-669.7	990.0	918.3	71.72	13.804	
14,125.0	10,795.4	14,050.6	10,777.8	34.9	37.6	-88.98	3,594.1	-669.8	990.0	917.9	72.07	13.737	
14,150.0	10,795.7	14,075.6	10,778.0	35.1	37.8	-88.98	3,619.1	-669.8	990.0	917.6	72.42	13.671	
14,175.0	10,795.9	14,100.6	10,778.3	35.3	37.9	-88.98	3,644.1	-669.8	990.0	917.2	72.77	13.605	
14,200.0	10,796.2	14,125.6	10,778.6	35.5	38.1	-88.98	3,669.1	-669.9	990.0	916.9	73.12	13.539	
14,225.0	10,796.4	14,150.6	10,778.8	35.7	38.3	-88.98	3,694.1	-669.9	990.0	916.5	73.47	13.474	
14,250.0	10,796.7	14,175.6	10,779.1	35.9	38.5	-88.98	3,719.1	-669.9	990.0	916.2	73.83	13.410	
14,275.0	10,796.9	14,200.6	10,779.3	36.0	38.6	-88.98	3,744.1	-669.9	990.0	915.8	74.18	13.346	
14,300.0	10,797.2	14,225.6	10,779.6	36.2	38.8	-88.98	3,769.1	-670.0	990.0	915.5	74.54	13.282	
14,325.0	10,797.4	14,250.6	10,779.8	36.4	39.0	-88.98	3,794.1	-670.0	990.0	915.1	74.89	13.219	
14,350.0	10,797.7	14,275.6	10,780.1	36.6	39.1	-88.98	3,819.1	-670.0	990.0	914.7	75.25	13.156	
14,375.0	10,798.0	14,300.6	10,780.4	36.8	39.3	-88.98	3,844.1	-670.1	990.0	914.4	75.61	13.094	
14,400.0	10,798.2	14,325.6	10,780.6	37.0	39.5	-88.98	3,869.1	-670.1	990.0	914.0	75.96	13.032	
14,425.0	10,798.5	14,350.6	10,780.9	37.2	39.7	-88.98	3,894.1	-670.1	990.0	913.7	76.32	12.971	
14,450.0	10,798.7	14,375.6	10,781.1	37.4	39.8	-88.98	3,919.1	-670.1	990.0	913.3	76.68	12.910	
14,475.0	10,799.0	14,400.6	10,781.4	37.6	40.0	-88.98	3,944.1	-670.2	990.0	913.0	77.04	12.850	
14,500.0	10,799.2	14,425.6	10,781.7	37.7	40.2	-88.98	3,969.1	-670.2	990.0	912.6	77.40	12.790	
14,525.0	10,799.5	14,450.6	10,781.9	37.9	40.4	-88.98	3,994.1	-670.2	990.0	912.2	77.76	12.731	
14,550.0	10,799.7	14,475.6	10,782.2	38.1	40.5	-88.98	4,019.1	-670.3	990.0	911.9	78.12	12.672	
14,575.0	10,800.0	14,500.6	10,782.4	38.3	40.7	-88.98	4,044.1	-670.3	990.0	911.5	78.49	12.614	
14,600.0	10,800.3	14,525.6	10,782.7	38.5	40.9	-88.98	4,069.1	-670.3	990.0	911.1	78.85	12.555	
14,625.0	10,800.5	14,550.6	10,782.9	38.7	41.1	-88.98	4,094.1	-670.4	990.0	910.8	79.21	12.498	
14,650.0	10,800.8	14,575.6	10,783.2	38.9	41.3	-88.98	4,119.1	-670.4	990.0	910.4	79.58	12.441	
14,675.0	10,801.0	14,600.6	10,783.5	39.1	41.4	-88.98	4,144.1	-670.4	990.0	910.1	79.94	12.384	
14,700.0	10,801.3	14,625.6	10,783.7	39.3	41.6	-88.98	4,169.1	-670.4	990.0	909.7	80.31	12.328	
14,725.0	10,801.5	14,650.6	10,784.0	39.5	41.8	-88.98	4,194.1	-670.5	990.0	909.3	80.67	12.272	
14,750.0	10,801.8	14,675.6	10,784.2	39.7	42.0	-88.98	4,219.1	-670.5	990.0	909.0	81.04	12.216	
14,775.0	10,802.0	14,700.6	10,784.5	39.9	42.2	-88.98	4,244.1	-670.5	990.0	908.6	81.41	12.161	
14,800.0	10,802.3	14,725.6	10,784.7	40.0	42.3	-88.98	4,269.1	-670.6	990.0	908.2	81.77	12.107	
14,825.0	10,802.6	14,750.6	10,785.0	40.2	42.5	-88.98	4,294.1	-670.6	990.0	907.9	82.14	12.052	
14,850.0	10,802.8	14,775.6	10,785.3	40.4	42.7	-88.98	4,319.1	-670.6	990.0	907.5	82.51	11.998	
14,875.0	10,803.1	14,800.6	10,785.5	40.6	42.9	-88.98	4,344.1	-670.6	990.0	907.1	82.88	11.945	
14,900.0	10,803.3	14,825.6	10,785.8	40.8	43.1	-88.98	4,369.1	-670.7	990.0	906.7	83.25	11.892	
14,925.0	10,803.6	14,850.6	10,786.0	41.0	43.2	-88.98	4,394.1	-670.7	990.0	906.4	83.62	11.839	
14,950.0	10,803.8	14,875.6	10,786.3	41.2	43.4	-88.98	4,419.1	-670.7	990.0	906.0	83.99	11.787	
14,975.0	10,804.1	14,900.6	10,786.6	41.4	43.6	-88.99	4,444.1	-670.8	990.0	905.6	84.36	11.735	
15,000.0	10,804.3	14,925.6	10,786.8	41.6	43.8	-88.99	4,469.1	-670.8	990.0	905.3	84.73	11.684	
15,025.0	10,804.6	14,950.6	10,787.1	41.8	44.0	-88.99	4,494.1	-670.8	990.0	904.9	85.10	11.633	
15,050.0	10,804.9	14,975.6	10,787.3	42.0	44.2	-88.99	4,519.1	-670.9	990.0	904.5	85.48	11.582	
15,075.0	10,805.1	15,000.6	10,787.6	42.2	44.3	-88.99	4,544.1	-670.9	990.0	904.1	85.85	11.532	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
15,100.0	10,805.4	15,025.6	10,787.8	42.4	44.5	-88.99	4,569.1	-670.9	990.0	903.8	86.22	11.482	
15,125.0	10,805.6	15,050.6	10,788.1	42.6	44.7	-88.99	4,594.1	-670.9	990.0	903.4	86.60	11.432	
15,150.0	10,805.9	15,075.6	10,788.4	42.8	44.9	-88.99	4,619.1	-671.0	990.0	903.0	86.97	11.383	
15,175.0	10,806.1	15,100.6	10,788.6	43.0	45.1	-88.99	4,644.1	-671.0	990.0	902.7	87.35	11.334	
15,200.0	10,806.4	15,125.6	10,788.9	43.2	45.3	-88.99	4,669.1	-671.0	990.0	902.3	87.72	11.286	
15,225.0	10,806.6	15,150.6	10,789.1	43.4	45.4	-88.99	4,694.1	-671.1	990.0	901.9	88.10	11.238	
15,250.0	10,806.9	15,175.6	10,789.4	43.6	45.6	-88.99	4,719.1	-671.1	990.0	901.5	88.47	11.190	
15,275.0	10,807.2	15,200.6	10,789.7	43.8	45.8	-88.99	4,744.1	-671.1	990.0	901.2	88.85	11.143	
15,300.0	10,807.4	15,225.6	10,789.9	44.0	46.0	-88.99	4,769.1	-671.1	990.0	900.8	89.23	11.095	
15,325.0	10,807.7	15,250.6	10,790.2	44.2	46.2	-88.99	4,794.1	-671.2	990.0	900.4	89.60	11.049	
15,350.0	10,807.9	15,275.6	10,790.4	44.4	46.4	-88.99	4,819.1	-671.2	990.0	900.0	89.98	11.002	
15,375.0	10,808.2	15,300.6	10,790.7	44.6	46.6	-88.99	4,844.1	-671.2	990.0	899.6	90.36	10.956	
15,400.0	10,808.4	15,325.6	10,790.9	44.7	46.7	-88.99	4,869.0	-671.3	990.0	899.3	90.74	10.911	
15,425.0	10,808.7	15,350.6	10,791.2	44.9	46.9	-88.99	4,894.0	-671.3	990.0	898.9	91.12	10.865	
15,450.0	10,808.9	15,375.6	10,791.5	45.1	47.1	-88.99	4,919.0	-671.3	990.0	898.5	91.50	10.820	
15,475.0	10,809.2	15,400.6	10,791.7	45.3	47.3	-88.99	4,944.0	-671.4	990.0	898.1	91.87	10.776	
15,500.0	10,809.5	15,425.6	10,792.0	45.5	47.5	-88.99	4,969.0	-671.4	990.0	897.7	92.25	10.731	
15,525.0	10,809.7	15,450.6	10,792.2	45.7	47.7	-88.99	4,994.0	-671.4	990.0	897.4	92.64	10.687	
15,550.0	10,810.0	15,475.6	10,792.5	45.9	47.9	-88.99	5,019.0	-671.4	990.0	897.0	93.02	10.643	
15,575.0	10,810.2	15,500.6	10,792.8	46.1	48.1	-88.99	5,044.0	-671.5	990.0	896.6	93.40	10.600	
15,600.0	10,810.5	15,525.6	10,793.0	46.3	48.2	-88.99	5,069.0	-671.5	990.0	896.2	93.78	10.557	
15,625.0	10,810.7	15,550.6	10,793.3	46.5	48.4	-88.99	5,094.0	-671.5	990.0	895.8	94.16	10.514	
15,650.0	10,811.0	15,575.6	10,793.5	46.7	48.6	-88.99	5,119.0	-671.6	990.0	895.5	94.54	10.472	
15,675.0	10,811.2	15,600.6	10,793.8	46.9	48.8	-88.99	5,144.0	-671.6	990.0	895.1	94.92	10.429	
15,700.0	10,811.5	15,625.6	10,794.0	47.1	49.0	-88.99	5,169.0	-671.6	990.0	894.7	95.31	10.387	
15,725.0	10,811.8	15,650.6	10,794.3	47.3	49.2	-88.99	5,194.0	-671.6	990.0	894.3	95.69	10.346	
15,750.0	10,812.0	15,675.6	10,794.6	47.5	49.4	-88.99	5,219.0	-671.7	990.0	893.9	96.07	10.305	
15,775.0	10,812.3	15,700.6	10,794.8	47.7	49.6	-88.99	5,244.0	-671.7	990.0	893.5	96.46	10.264	
15,800.0	10,812.5	15,725.6	10,795.1	47.9	49.8	-88.99	5,269.0	-671.7	990.0	893.2	96.84	10.223	
15,825.0	10,812.8	15,750.6	10,795.3	48.1	49.9	-88.99	5,294.0	-671.8	990.0	892.8	97.23	10.182	
15,850.0	10,813.0	15,775.6	10,795.6	48.3	50.1	-88.99	5,319.0	-671.8	990.0	892.4	97.61	10.142	
15,875.0	10,813.3	15,800.6	10,795.8	48.5	50.3	-88.99	5,344.0	-671.8	990.0	892.0	98.00	10.102	
15,900.0	10,813.5	15,825.6	10,796.1	48.7	50.5	-88.99	5,369.0	-671.9	990.0	891.6	98.38	10.063	
15,925.0	10,813.8	15,850.6	10,796.4	48.9	50.7	-88.99	5,394.0	-671.9	990.0	891.2	98.77	10.024	
15,950.0	10,814.1	15,875.6	10,796.6	49.1	50.9	-88.99	5,419.0	-671.9	990.0	890.9	99.15	9.985	
15,975.0	10,814.3	15,900.6	10,796.9	49.3	51.1	-88.99	5,444.0	-671.9	990.0	890.5	99.54	9.946	
16,000.0	10,814.6	15,925.6	10,797.1	49.5	51.3	-88.99	5,469.0	-672.0	990.0	890.1	99.93	9.907	
16,025.0	10,814.8	15,950.6	10,797.4	49.7	51.5	-88.99	5,494.0	-672.0	990.0	889.7	100.31	9.869	
16,050.0	10,815.1	15,975.6	10,797.7	49.9	51.7	-88.99	5,519.0	-672.0	990.0	889.3	100.70	9.831	
16,075.0	10,815.3	16,000.6	10,797.9	50.1	51.9	-88.99	5,544.0	-672.1	990.0	888.9	101.09	9.794	
16,100.0	10,815.6	16,025.6	10,798.2	50.3	52.1	-88.99	5,569.0	-672.1	990.0	888.5	101.48	9.756	
16,125.0	10,815.8	16,050.6	10,798.4	50.5	52.2	-88.99	5,594.0	-672.1	990.0	888.1	101.86	9.719	
16,150.0	10,816.1	16,075.6	10,798.7	50.7	52.4	-88.99	5,619.0	-672.1	990.0	887.8	102.25	9.682	
16,175.0	10,816.4	16,100.6	10,798.9	50.9	52.6	-88.99	5,644.0	-672.2	990.0	887.4	102.64	9.645	
16,200.0	10,816.6	16,125.6	10,799.2	51.1	52.8	-88.99	5,669.0	-672.2	990.0	887.0	103.03	9.609	
16,225.0	10,816.9	16,150.6	10,799.5	51.3	53.0	-88.99	5,694.0	-672.2	990.0	886.6	103.42	9.573	
16,250.0	10,817.1	16,175.6	10,799.7	51.5	53.2	-88.99	5,719.0	-672.3	990.0	886.2	103.81	9.537	
16,275.0	10,817.4	16,200.6	10,800.0	51.7	53.4	-88.99	5,744.0	-672.3	990.0	885.8	104.20	9.501	
16,300.0	10,817.6	16,225.6	10,800.2	52.0	53.6	-88.99	5,769.0	-672.3	990.0	885.4	104.59	9.466	
16,325.0	10,817.9	16,250.6	10,800.5	52.2	53.8	-88.99	5,794.0	-672.4	990.0	885.0	104.98	9.431	
16,350.0	10,818.1	16,275.6	10,800.8	52.4	54.0	-88.99	5,819.0	-672.4	990.0	884.6	105.37	9.396	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
16,375.0	10,818.4	16,300.6	10,801.0	52.6	54.2	-88.99	5,844.0	-672.4	990.0	884.3	105.76	9.361	
16,400.0	10,818.7	16,325.6	10,801.3	52.8	54.4	-88.99	5,869.0	-672.4	990.0	883.9	106.15	9.327	
16,425.0	10,818.9	16,350.6	10,801.5	53.0	54.6	-88.99	5,894.0	-672.5	990.0	883.5	106.54	9.292	
16,450.0	10,819.2	16,375.6	10,801.8	53.2	54.8	-88.99	5,919.0	-672.5	990.0	883.1	106.93	9.258	
16,475.0	10,819.4	16,400.6	10,802.0	53.4	55.0	-88.99	5,944.0	-672.5	990.0	882.7	107.32	9.225	
16,500.0	10,819.7	16,425.6	10,802.3	53.6	55.1	-88.99	5,969.0	-672.6	990.0	882.3	107.72	9.191	
16,525.0	10,819.9	16,450.6	10,802.6	53.8	55.3	-88.99	5,994.0	-672.6	990.0	881.9	108.11	9.158	
16,550.0	10,820.2	16,475.6	10,802.8	54.0	55.5	-88.99	6,019.0	-672.6	990.0	881.5	108.50	9.125	
16,575.0	10,820.4	16,500.6	10,803.1	54.2	55.7	-88.99	6,044.0	-672.6	990.0	881.1	108.89	9.092	
16,600.0	10,820.7	16,525.6	10,803.3	54.4	55.9	-88.99	6,069.0	-672.7	990.0	880.7	109.28	9.059	
16,625.0	10,821.0	16,550.6	10,803.6	54.6	56.1	-89.00	6,094.0	-672.7	990.0	880.3	109.68	9.027	
16,650.0	10,821.2	16,575.6	10,803.9	54.8	56.3	-89.00	6,119.0	-672.7	990.0	879.9	110.07	8.994	
16,675.0	10,821.5	16,600.6	10,804.1	55.0	56.5	-89.00	6,144.0	-672.8	990.0	879.6	110.46	8.962	
16,700.0	10,821.7	16,625.6	10,804.4	55.2	56.7	-89.00	6,169.0	-672.8	990.0	879.2	110.86	8.930	
16,725.0	10,822.0	16,650.6	10,804.6	55.4	56.9	-89.00	6,194.0	-672.8	990.0	878.8	111.25	8.899	
16,750.0	10,822.2	16,675.6	10,804.9	55.6	57.1	-89.00	6,219.0	-672.9	990.0	878.4	111.65	8.867	
16,775.0	10,822.5	16,700.6	10,805.1	55.8	57.3	-89.00	6,244.0	-672.9	990.0	878.0	112.04	8.836	
16,800.0	10,822.7	16,725.6	10,805.4	56.0	57.5	-89.00	6,269.0	-672.9	990.0	877.6	112.43	8.805	
16,825.0	10,823.0	16,750.6	10,805.7	56.2	57.7	-89.00	6,294.0	-672.9	990.0	877.2	112.83	8.774	
16,850.0	10,823.3	16,775.6	10,805.9	56.4	57.9	-89.00	6,319.0	-673.0	990.0	876.8	113.22	8.744	
16,875.0	10,823.5	16,800.6	10,806.2	56.6	58.1	-89.00	6,344.0	-673.0	990.0	876.4	113.62	8.713	
16,900.0	10,823.8	16,825.6	10,806.4	56.8	58.3	-89.00	6,369.0	-673.0	990.0	876.0	114.01	8.683	
16,925.0	10,824.0	16,850.6	10,806.7	57.0	58.5	-89.00	6,394.0	-673.1	990.0	875.6	114.41	8.653	
16,950.0	10,824.3	16,875.6	10,806.9	57.2	58.7	-89.00	6,419.0	-673.1	990.0	875.2	114.81	8.623	
16,975.0	10,824.5	16,900.6	10,807.2	57.4	58.9	-89.00	6,444.0	-673.1	990.0	874.8	115.20	8.594	
17,000.0	10,824.8	16,925.6	10,807.5	57.6	59.1	-89.00	6,469.0	-673.2	990.0	874.4	115.60	8.564	
17,025.0	10,825.0	16,950.6	10,807.7	57.8	59.3	-89.00	6,494.0	-673.2	990.0	874.0	115.99	8.535	
17,050.0	10,825.3	16,975.6	10,808.0	58.1	59.5	-89.00	6,519.0	-673.2	990.0	873.6	116.39	8.506	
17,075.0	10,825.6	17,000.6	10,808.2	58.3	59.7	-89.00	6,544.0	-673.2	990.0	873.2	116.79	8.477	
17,100.0	10,825.8	17,025.6	10,808.5	58.5	59.9	-89.00	6,569.0	-673.3	990.0	872.8	117.18	8.448	
17,125.0	10,826.1	17,050.6	10,808.8	58.7	60.1	-89.00	6,594.0	-673.3	990.0	872.4	117.58	8.420	
17,150.0	10,826.3	17,075.6	10,809.0	58.9	60.3	-89.00	6,619.0	-673.3	990.0	872.0	117.98	8.392	
17,175.0	10,826.6	17,100.6	10,809.3	59.1	60.5	-89.00	6,644.0	-673.4	990.0	871.6	118.37	8.363	
17,200.0	10,826.8	17,125.6	10,809.5	59.3	60.7	-89.00	6,669.0	-673.4	990.0	871.2	118.77	8.335	
17,225.0	10,827.1	17,150.6	10,809.8	59.5	60.9	-89.00	6,694.0	-673.4	990.0	870.9	119.17	8.308	
17,250.0	10,827.3	17,175.6	10,810.0	59.7	61.1	-89.00	6,718.9	-673.4	990.0	870.5	119.57	8.280	
17,275.0	10,827.6	17,200.6	10,810.3	59.9	61.3	-89.00	6,743.9	-673.5	990.0	870.1	119.97	8.253	
17,300.0	10,827.9	17,225.6	10,810.6	60.1	61.4	-89.00	6,768.9	-673.5	990.0	869.7	120.36	8.225	
17,325.0	10,828.1	17,250.6	10,810.8	60.3	61.6	-89.00	6,793.9	-673.5	990.0	869.3	120.76	8.198	
17,350.0	10,828.4	17,275.6	10,811.1	60.5	61.8	-89.00	6,818.9	-673.6	990.0	868.9	121.16	8.171	
17,375.0	10,828.6	17,300.6	10,811.3	60.7	62.0	-89.00	6,843.9	-673.6	990.0	868.5	121.56	8.144	
17,400.0	10,828.9	17,325.6	10,811.6	60.9	62.2	-89.00	6,868.9	-673.6	990.0	868.1	121.96	8.118	
17,425.0	10,829.1	17,350.6	10,811.9	61.1	62.4	-89.00	6,893.9	-673.7	990.0	867.7	122.36	8.091	
17,450.0	10,829.4	17,375.6	10,812.1	61.3	62.6	-89.00	6,918.9	-673.7	990.0	867.3	122.76	8.065	
17,475.0	10,829.6	17,400.6	10,812.4	61.5	62.8	-89.00	6,943.9	-673.7	990.0	866.9	123.15	8.039	
17,500.0	10,829.9	17,425.6	10,812.6	61.7	63.0	-89.00	6,968.9	-673.7	990.0	866.5	123.55	8.013	
17,525.0	10,830.2	17,450.6	10,812.9	62.0	63.2	-89.00	6,993.9	-673.8	990.0	866.1	123.95	7.987	
17,550.0	10,830.4	17,475.6	10,813.1	62.2	63.4	-89.00	7,018.9	-673.8	990.0	865.7	124.35	7.961	
17,575.0	10,830.7	17,500.6	10,813.4	62.4	63.6	-89.00	7,043.9	-673.8	990.0	865.3	124.75	7.936	
17,600.0	10,830.9	17,525.6	10,813.7	62.6	63.8	-89.00	7,068.9	-673.9	990.0	864.9	125.15	7.910	
17,625.0	10,831.2	17,550.6	10,813.9	62.8	64.0	-89.00	7,093.9	-673.9	990.0	864.5	125.55	7.885	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
17,650.0	10,831.4	17,575.6	10,814.2	63.0	64.2	-89.00	7,118.9	-673.9	990.0	864.1	125.95	7.860	
17,675.0	10,831.7	17,600.6	10,814.4	63.2	64.4	-89.00	7,143.9	-673.9	990.0	863.7	126.35	7.835	
17,700.0	10,831.9	17,625.6	10,814.7	63.4	64.6	-89.00	7,168.9	-674.0	990.0	863.3	126.76	7.811	
17,725.0	10,832.2	17,650.6	10,815.0	63.6	64.8	-89.00	7,193.9	-674.0	990.0	862.9	127.16	7.786	
17,750.0	10,832.5	17,675.6	10,815.2	63.8	65.0	-89.00	7,218.9	-674.0	990.0	862.5	127.56	7.761	
17,775.0	10,832.7	17,700.6	10,815.5	64.0	65.2	-89.00	7,243.9	-674.1	990.0	862.1	127.96	7.737	
17,800.0	10,833.0	17,725.6	10,815.7	64.2	65.4	-89.00	7,268.9	-674.1	990.0	861.7	128.36	7.713	
17,825.0	10,833.2	17,750.6	10,816.0	64.4	65.6	-89.00	7,293.9	-674.1	990.0	861.3	128.76	7.689	
17,850.0	10,833.5	17,775.6	10,816.2	64.6	65.8	-89.00	7,318.9	-674.2	990.0	860.9	129.16	7.665	
17,875.0	10,833.7	17,800.6	10,816.5	64.8	66.0	-89.00	7,343.9	-674.2	990.0	860.5	129.56	7.641	
17,900.0	10,834.0	17,825.6	10,816.8	65.0	66.2	-89.00	7,368.9	-674.2	990.0	860.1	129.97	7.618	
17,925.0	10,834.2	17,850.6	10,817.0	65.3	66.4	-89.00	7,393.9	-674.2	990.0	859.7	130.37	7.594	
17,950.0	10,834.5	17,875.6	10,817.3	65.5	66.6	-89.00	7,418.9	-674.3	990.0	859.3	130.77	7.571	
17,975.0	10,834.8	17,900.6	10,817.5	65.7	66.8	-89.00	7,443.9	-674.3	990.0	858.9	131.17	7.548	
18,000.0	10,835.0	17,925.6	10,817.8	65.9	67.1	-89.00	7,468.9	-674.3	990.0	858.5	131.57	7.525	
18,025.0	10,835.3	17,950.6	10,818.0	66.1	67.3	-89.00	7,493.9	-674.4	990.0	858.1	131.98	7.502	
18,050.0	10,835.5	17,975.6	10,818.3	66.3	67.5	-89.00	7,518.9	-674.4	990.0	857.6	132.38	7.479	
18,075.0	10,835.8	18,000.6	10,818.6	66.5	67.7	-89.00	7,543.9	-674.4	990.0	857.2	132.78	7.456	
18,100.0	10,836.0	18,025.6	10,818.8	66.7	67.9	-89.00	7,568.9	-674.4	990.0	856.8	133.18	7.434	
18,125.0	10,836.3	18,050.6	10,819.1	66.9	68.1	-89.00	7,593.9	-674.5	990.0	856.4	133.59	7.411	
18,150.0	10,836.5	18,075.6	10,819.3	67.1	68.3	-89.00	7,618.9	-674.5	990.0	856.0	133.99	7.389	
18,175.0	10,836.8	18,100.6	10,819.6	67.3	68.5	-89.00	7,643.9	-674.5	990.0	855.6	134.39	7.367	
18,200.0	10,837.1	18,125.6	10,819.9	67.5	68.7	-89.00	7,668.9	-674.6	990.0	855.2	134.80	7.345	
18,225.0	10,837.3	18,150.6	10,820.1	67.7	68.9	-89.00	7,693.9	-674.6	990.0	854.8	135.20	7.323	
18,250.0	10,837.6	18,175.6	10,820.4	67.9	69.1	-89.01	7,718.9	-674.6	990.0	854.4	135.60	7.301	
18,275.0	10,837.8	18,200.6	10,820.6	68.1	69.3	-89.01	7,743.9	-674.7	990.0	854.0	136.01	7.279	
18,300.0	10,838.1	18,225.6	10,820.9	68.4	69.5	-89.01	7,768.9	-674.7	990.0	853.6	136.41	7.258	
18,325.0	10,838.3	18,250.6	10,821.1	68.6	69.7	-89.01	7,793.9	-674.7	990.0	853.2	136.81	7.236	
18,350.0	10,838.6	18,275.6	10,821.4	68.8	69.9	-89.01	7,818.9	-674.7	990.0	852.8	137.22	7.215	
18,375.0	10,838.8	18,300.6	10,821.7	69.0	70.1	-89.01	7,843.9	-674.8	990.0	852.4	137.62	7.194	
18,400.0	10,839.1	18,325.6	10,821.9	69.2	70.3	-89.01	7,868.9	-674.8	990.0	852.0	138.03	7.173	
18,425.0	10,839.4	18,350.6	10,822.2	69.4	70.5	-89.01	7,893.9	-674.8	990.0	851.6	138.43	7.152	
18,450.0	10,839.6	18,375.6	10,822.4	69.6	70.7	-89.01	7,918.9	-674.9	990.0	851.2	138.83	7.131	
18,475.0	10,839.9	18,400.6	10,822.7	69.8	70.9	-89.01	7,943.9	-674.9	990.0	850.8	139.24	7.110	
18,500.0	10,840.1	18,425.6	10,823.0	70.0	71.1	-89.01	7,968.9	-674.9	990.0	850.4	139.64	7.090	
18,525.0	10,840.4	18,450.6	10,823.2	70.2	71.3	-89.01	7,993.9	-674.9	990.0	850.0	140.05	7.069	
18,550.0	10,840.6	18,475.6	10,823.5	70.4	71.5	-89.01	8,018.9	-675.0	990.0	849.6	140.45	7.049	
18,575.0	10,840.9	18,500.6	10,823.7	70.6	71.7	-89.01	8,043.9	-675.0	990.0	849.2	140.86	7.029	
18,600.0	10,841.1	18,525.6	10,824.0	70.8	71.9	-89.01	8,068.9	-675.0	990.0	848.8	141.26	7.008	
18,625.0	10,841.4	18,550.6	10,824.2	71.1	72.1	-89.01	8,093.9	-675.1	990.0	848.4	141.67	6.988	
18,650.0	10,841.6	18,575.6	10,824.5	71.3	72.3	-89.01	8,118.9	-675.1	990.0	848.0	142.07	6.969	
18,675.0	10,841.9	18,600.6	10,824.8	71.5	72.5	-89.01	8,143.9	-675.1	990.0	847.6	142.48	6.949	
18,700.0	10,842.2	18,625.6	10,825.0	71.7	72.7	-89.01	8,168.9	-675.2	990.0	847.2	142.88	6.929	
18,725.0	10,842.4	18,650.6	10,825.3	71.9	72.9	-89.01	8,193.9	-675.2	990.0	846.7	143.29	6.909	
18,750.0	10,842.7	18,675.6	10,825.5	72.1	73.1	-89.01	8,218.9	-675.2	990.0	846.3	143.69	6.890	
18,775.0	10,842.9	18,700.6	10,825.8	72.3	73.3	-89.01	8,243.9	-675.2	990.0	845.9	144.10	6.870	
18,800.0	10,843.2	18,725.6	10,826.0	72.5	73.5	-89.01	8,268.9	-675.3	990.0	845.5	144.51	6.851	
18,825.0	10,843.4	18,750.6	10,826.3	72.7	73.7	-89.01	8,293.9	-675.3	990.0	845.1	144.91	6.832	
18,850.0	10,843.7	18,775.6	10,826.6	72.9	73.9	-89.01	8,318.9	-675.3	990.0	844.7	145.32	6.813	
18,875.0	10,843.9	18,800.6	10,826.8	73.1	74.1	-89.01	8,343.9	-675.4	990.0	844.3	145.72	6.794	
18,900.0	10,844.2	18,825.6	10,827.1	73.3	74.3	-89.01	8,368.9	-675.4	990.0	843.9	146.13	6.775	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
18,925.0	10,844.5	18,850.6	10,827.3	73.6	74.5	-89.01	8,393.9	-675.4	990.0	843.5	146.54	6.756	
18,950.0	10,844.7	18,875.6	10,827.6	73.8	74.7	-89.01	8,418.9	-675.4	990.0	843.1	146.94	6.738	
18,975.0	10,845.0	18,900.6	10,827.9	74.0	75.0	-89.01	8,443.9	-675.5	990.0	842.7	147.35	6.719	
19,000.0	10,845.2	18,925.6	10,828.1	74.2	75.2	-89.01	8,468.9	-675.5	990.0	842.3	147.76	6.701	
19,025.0	10,845.5	18,950.6	10,828.4	74.4	75.4	-89.01	8,493.9	-675.5	990.0	841.9	148.16	6.682	
19,050.0	10,845.7	18,975.6	10,828.6	74.6	75.6	-89.01	8,518.9	-675.6	990.0	841.5	148.57	6.664	
19,075.0	10,846.0	19,000.6	10,828.9	74.8	75.8	-89.01	8,543.9	-675.6	990.0	841.1	148.98	6.646	
19,100.0	10,846.2	19,025.6	10,829.1	75.0	76.0	-89.01	8,568.8	-675.6	990.0	840.7	149.38	6.628	
19,125.0	10,846.5	19,050.6	10,829.4	75.2	76.2	-89.01	8,593.8	-675.7	990.0	840.2	149.79	6.610	
19,150.0	10,846.8	19,075.6	10,829.7	75.4	76.4	-89.01	8,618.8	-675.7	990.0	839.8	150.20	6.592	
19,175.0	10,847.0	19,100.6	10,829.9	75.6	76.6	-89.01	8,643.8	-675.7	990.0	839.4	150.60	6.574	
19,200.0	10,847.3	19,125.6	10,830.2	75.8	76.8	-89.01	8,668.8	-675.7	990.0	839.0	151.01	6.556	
19,225.0	10,847.5	19,150.6	10,830.4	76.1	77.0	-89.01	8,693.8	-675.8	990.0	838.6	151.42	6.538	
19,250.0	10,847.8	19,175.6	10,830.7	76.3	77.2	-89.01	8,718.8	-675.8	990.0	838.2	151.83	6.521	
19,275.0	10,848.0	19,200.6	10,831.0	76.5	77.4	-89.01	8,743.8	-675.8	990.0	837.8	152.23	6.503	
19,300.0	10,848.3	19,225.6	10,831.2	76.7	77.6	-89.01	8,768.8	-675.9	990.0	837.4	152.64	6.486	
19,325.0	10,848.5	19,250.6	10,831.5	76.9	77.8	-89.01	8,793.8	-675.9	990.0	837.0	153.05	6.469	
19,350.0	10,848.8	19,275.6	10,831.7	77.1	78.0	-89.01	8,818.8	-675.9	990.0	836.6	153.46	6.452	
19,375.0	10,849.1	19,300.6	10,832.0	77.3	78.2	-89.01	8,843.8	-675.9	990.0	836.2	153.86	6.435	
19,400.0	10,849.3	19,325.6	10,832.2	77.5	78.4	-89.01	8,868.8	-676.0	990.0	835.8	154.27	6.418	
19,425.0	10,849.6	19,350.6	10,832.5	77.7	78.6	-89.01	8,893.8	-676.0	990.0	835.4	154.68	6.401	
19,450.0	10,849.8	19,375.6	10,832.8	77.9	78.8	-89.01	8,918.8	-676.0	990.0	835.0	155.09	6.384	
19,475.0	10,850.1	19,400.6	10,833.0	78.1	79.0	-89.01	8,943.8	-676.1	990.0	834.5	155.50	6.367	
19,500.0	10,850.3	19,425.6	10,833.3	78.3	79.2	-89.01	8,968.8	-676.1	990.0	834.1	155.90	6.350	
19,525.0	10,850.6	19,450.6	10,833.5	78.6	79.5	-89.01	8,993.8	-676.1	990.0	833.7	156.31	6.334	
19,550.0	10,850.8	19,475.6	10,833.8	78.8	79.7	-89.01	9,018.8	-676.2	990.0	833.3	156.72	6.317	
19,575.0	10,851.1	19,500.6	10,834.1	79.0	79.9	-89.01	9,043.8	-676.2	990.0	832.9	157.13	6.301	
19,600.0	10,851.4	19,525.6	10,834.3	79.2	80.1	-89.01	9,068.8	-676.2	990.0	832.5	157.54	6.285	
19,625.0	10,851.6	19,550.6	10,834.6	79.4	80.3	-89.01	9,093.8	-676.2	990.0	832.1	157.95	6.268	
19,650.0	10,851.9	19,575.6	10,834.8	79.6	80.5	-89.01	9,118.8	-676.3	990.0	831.7	158.35	6.252	
19,675.0	10,852.1	19,600.6	10,835.1	79.8	80.7	-89.01	9,143.8	-676.3	990.0	831.3	158.76	6.236	
19,700.0	10,852.4	19,625.6	10,835.3	80.0	80.9	-89.01	9,168.8	-676.3	990.0	830.9	159.17	6.220	
19,725.0	10,852.6	19,650.6	10,835.6	80.2	81.1	-89.01	9,193.8	-676.4	990.0	830.5	159.58	6.204	
19,750.0	10,852.9	19,675.6	10,835.9	80.4	81.3	-89.01	9,218.8	-676.4	990.0	830.1	159.99	6.188	
19,775.0	10,853.1	19,700.6	10,836.1	80.6	81.5	-89.01	9,243.8	-676.4	990.0	829.6	160.40	6.172	
19,800.0	10,853.4	19,725.6	10,836.4	80.9	81.7	-89.01	9,268.8	-676.4	990.0	829.2	160.81	6.157	
19,825.0	10,853.7	19,750.6	10,836.6	81.1	81.9	-89.01	9,293.8	-676.5	990.0	828.8	161.22	6.141	
19,850.0	10,853.9	19,775.6	10,836.9	81.3	82.1	-89.01	9,318.8	-676.5	990.0	828.4	161.63	6.126	
19,875.0	10,854.2	19,800.6	10,837.1	81.5	82.3	-89.01	9,343.8	-676.5	990.0	828.0	162.03	6.110	
19,900.0	10,854.4	19,825.6	10,837.4	81.7	82.5	-89.02	9,368.8	-676.6	990.0	827.6	162.44	6.095	
19,925.0	10,854.7	19,850.6	10,837.7	81.9	82.7	-89.02	9,393.8	-676.6	990.0	827.2	162.85	6.079	
19,950.0	10,854.9	19,875.6	10,837.9	82.1	82.9	-89.02	9,418.8	-676.6	990.0	826.8	163.26	6.064	
19,975.0	10,855.2	19,900.6	10,838.2	82.3	83.2	-89.02	9,443.8	-676.7	990.0	826.4	163.67	6.049	
20,000.0	10,855.4	19,925.6	10,838.4	82.5	83.4	-89.02	9,468.8	-676.7	990.0	826.0	164.08	6.034	
20,025.0	10,855.7	19,950.6	10,838.7	82.7	83.6	-89.02	9,493.8	-676.7	990.0	825.6	164.49	6.019	
20,050.0	10,856.0	19,975.6	10,839.0	83.0	83.8	-89.02	9,518.8	-676.7	990.0	825.1	164.90	6.004	
20,075.0	10,856.2	20,000.6	10,839.2	83.2	84.0	-89.02	9,543.8	-676.8	990.0	824.7	165.31	5.989	
20,100.0	10,856.5	20,025.6	10,839.5	83.4	84.2	-89.02	9,568.8	-676.8	990.0	824.3	165.72	5.974	
20,125.0	10,856.7	20,050.6	10,839.7	83.6	84.4	-89.02	9,593.8	-676.8	990.0	823.9	166.13	5.959	
20,150.0	10,857.0	20,075.6	10,840.0	83.8	84.6	-89.02	9,618.8	-676.9	990.0	823.5	166.54	5.945	
20,175.0	10,857.2	20,100.6	10,840.2	84.0	84.8	-89.02	9,643.8	-676.9	990.0	823.1	166.95	5.930	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
20,200.0	10,857.5	20,125.6	10,840.5	84.2	85.0	-89.02	9,668.8	-676.9	990.0	822.7	167.36	5.916	
20,225.0	10,857.7	20,150.6	10,840.8	84.4	85.2	-89.02	9,693.8	-676.9	990.0	822.3	167.77	5.901	
20,250.0	10,858.0	20,175.6	10,841.0	84.6	85.4	-89.02	9,718.8	-677.0	990.0	821.9	168.18	5.887	
20,275.0	10,858.3	20,200.6	10,841.3	84.8	85.6	-89.02	9,743.8	-677.0	990.0	821.5	168.59	5.872	
20,300.0	10,858.5	20,225.6	10,841.5	85.0	85.8	-89.02	9,768.8	-677.0	990.0	821.0	169.00	5.858	
20,325.0	10,858.8	20,250.6	10,841.8	85.3	86.0	-89.02	9,793.8	-677.1	990.0	820.6	169.41	5.844	
20,350.0	10,859.0	20,275.6	10,842.1	85.5	86.2	-89.02	9,818.8	-677.1	990.0	820.2	169.82	5.830	
20,375.0	10,859.3	20,300.6	10,842.3	85.7	86.4	-89.02	9,843.8	-677.1	990.0	819.8	170.23	5.816	
20,400.0	10,859.5	20,325.6	10,842.6	85.9	86.7	-89.02	9,868.8	-677.2	990.1	819.4	170.64	5.802	
20,425.0	10,859.8	20,350.6	10,842.8	86.1	86.9	-89.02	9,893.8	-677.2	990.1	819.0	171.06	5.788	
20,450.0	10,860.0	20,375.6	10,843.1	86.3	87.1	-89.02	9,918.8	-677.2	990.1	818.6	171.47	5.774	
20,475.0	10,860.3	20,400.6	10,843.3	86.5	87.3	-89.02	9,943.8	-677.2	990.1	818.2	171.88	5.760	
20,500.0	10,860.6	20,425.6	10,843.6	86.7	87.5	-89.02	9,968.8	-677.3	990.1	817.8	172.29	5.747	
20,525.0	10,860.8	20,450.6	10,843.9	86.9	87.7	-89.02	9,993.8	-677.3	990.1	817.4	172.70	5.733	
20,550.0	10,861.1	20,475.6	10,844.1	87.1	87.9	-89.02	10,018.8	-677.3	990.1	816.9	173.11	5.719	
20,575.0	10,861.3	20,500.6	10,844.4	87.4	88.1	-89.02	10,043.8	-677.4	990.1	816.5	173.52	5.706	
20,600.0	10,861.6	20,525.6	10,844.6	87.6	88.3	-89.02	10,068.8	-677.4	990.1	816.1	173.93	5.692	
20,625.0	10,861.8	20,550.6	10,844.9	87.8	88.5	-89.02	10,093.8	-677.4	990.1	815.7	174.34	5.679	
20,650.0	10,862.1	20,575.6	10,845.2	88.0	88.7	-89.02	10,118.8	-677.4	990.1	815.3	174.75	5.665	
20,675.0	10,862.3	20,600.6	10,845.4	88.2	88.9	-89.02	10,143.8	-677.5	990.1	814.9	175.16	5.652	
20,700.0	10,862.6	20,625.6	10,845.7	88.4	89.1	-89.02	10,168.8	-677.5	990.1	814.5	175.58	5.639	
20,725.0	10,862.9	20,650.6	10,845.9	88.6	89.3	-89.02	10,193.8	-677.5	990.1	814.1	175.99	5.626	
20,750.0	10,863.1	20,675.6	10,846.2	88.8	89.6	-89.02	10,218.8	-677.6	990.1	813.7	176.40	5.613	
20,775.0	10,863.4	20,700.6	10,846.4	89.0	89.8	-89.02	10,243.8	-677.6	990.1	813.2	176.81	5.600	
20,800.0	10,863.6	20,725.6	10,846.7	89.2	90.0	-89.02	10,268.8	-677.6	990.1	812.8	177.22	5.587	
20,825.0	10,863.9	20,750.6	10,847.0	89.5	90.2	-89.02	10,293.8	-677.7	990.1	812.4	177.63	5.574	
20,850.0	10,864.1	20,775.6	10,847.2	89.7	90.4	-89.02	10,318.8	-677.7	990.1	812.0	178.04	5.561	
20,875.0	10,864.4	20,800.6	10,847.5	89.9	90.6	-89.02	10,343.8	-677.7	990.1	811.6	178.46	5.548	
20,900.0	10,864.6	20,825.6	10,847.7	90.1	90.8	-89.02	10,368.8	-677.7	990.1	811.2	178.87	5.535	
20,925.0	10,864.9	20,850.6	10,848.0	90.3	91.0	-89.02	10,393.8	-677.8	990.1	810.8	179.28	5.522	
20,950.0	10,865.2	20,875.6	10,848.2	90.5	91.2	-89.02	10,418.7	-677.8	990.1	810.4	179.69	5.510	
20,975.0	10,865.4	20,900.6	10,848.5	90.7	91.4	-89.02	10,443.7	-677.8	990.1	810.0	180.10	5.497	
21,000.0	10,865.7	20,925.6	10,848.8	90.9	91.6	-89.02	10,468.7	-677.9	990.1	809.5	180.51	5.485	
21,025.0	10,865.9	20,950.6	10,849.0	91.1	91.8	-89.02	10,493.7	-677.9	990.1	809.1	180.93	5.472	
21,050.0	10,866.2	20,975.6	10,849.3	91.3	92.0	-89.02	10,518.7	-677.9	990.1	808.7	181.34	5.460	
21,075.0	10,866.4	21,000.6	10,849.5	91.6	92.2	-89.02	10,543.7	-677.9	990.1	808.3	181.75	5.447	
21,100.0	10,866.7	21,025.6	10,849.8	91.8	92.5	-89.02	10,568.7	-678.0	990.1	807.9	182.16	5.435	
21,100.4	10,866.7	21,026.1	10,849.8	91.8	92.5	-89.02	10,569.2	-678.0	990.1	807.9	182.17	5.435	
21,125.0	10,866.9	21,045.2	10,850.0	92.0	92.6	-89.02	10,588.3	-678.0	990.1	807.5	182.53	5.424	
21,130.4	10,867.0	21,045.2	10,850.0	92.0	92.6	-89.02	10,588.3	-678.0	990.1	807.5	182.57	5.423	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	-0.29	20.0	-0.1	20.0				
25.0	25.0	25.0	25.0	0.5	0.1	-0.29	20.0	-0.1	20.0				
50.0	50.0	50.0	50.0	0.5	0.3	-0.29	20.0	-0.1	20.0	18.7	1.28	15.589	
75.0	75.0	75.0	75.0	0.5	0.4	-0.29	20.0	-0.1	20.0	18.6	1.38	14.515	
100.0	100.0	100.0	100.0	0.5	0.5	-0.29	20.0	-0.1	20.0	18.5	1.50	13.370	
125.0	125.0	125.0	125.0	0.6	0.6	-0.29	20.0	-0.1	20.0	18.3	1.75	11.445	
150.0	150.0	150.0	150.0	0.8	0.8	-0.29	20.0	-0.1	20.0	18.0	2.00	10.005	
175.0	175.0	175.0	175.0	0.9	0.9	-0.29	20.0	-0.1	20.0	17.7	2.25	8.887	
200.0	200.0	200.0	200.0	1.0	1.0	-0.29	20.0	-0.1	20.0	17.5	2.50	7.994	
225.0	225.0	225.0	225.0	1.1	1.1	-0.29	20.0	-0.1	20.0	17.3	2.67	7.493	
250.0	250.0	250.0	250.0	1.2	1.2	-0.29	20.0	-0.1	20.0	17.2	2.84	7.051	
275.0	275.0	275.0	275.0	1.3	1.3	-0.29	20.0	-0.1	20.0	17.0	3.00	6.658	
300.0	300.0	300.0	300.0	1.4	1.4	-0.29	20.0	-0.1	20.0	16.8	3.17	6.307	
325.0	325.0	325.0	325.0	1.4	1.4	-0.29	20.0	-0.1	20.0	16.7	3.31	6.045	
350.0	350.0	350.0	350.0	1.5	1.5	-0.29	20.0	-0.1	20.0	16.6	3.45	5.805	
375.0	375.0	375.0	375.0	1.6	1.6	-0.29	20.0	-0.1	20.0	16.4	3.58	5.583	
400.0	400.0	400.0	400.0	1.6	1.6	-0.29	20.0	-0.1	20.0	16.3	3.72	5.377	
425.0	425.0	425.0	425.0	1.7	1.7	-0.29	20.0	-0.1	20.0	16.2	3.84	5.209	
450.0	450.0	450.0	450.0	1.8	1.8	-0.29	20.0	-0.1	20.0	16.0	3.96	5.050	
475.0	475.0	475.0	475.0	1.8	1.8	-0.29	20.0	-0.1	20.0	15.9	4.08	4.901	
500.0	500.0	500.0	500.0	1.9	1.9	-0.29	20.0	-0.1	20.0	15.8	4.20	4.761	
525.0	525.0	525.0	525.0	1.9	1.9	-0.29	20.0	-0.1	20.0	15.7	4.31	4.640	
550.0	550.0	550.0	550.0	2.0	2.0	-0.29	20.0	-0.1	20.0	15.6	4.42	4.525	
575.0	575.0	575.0	575.0	2.1	2.1	-0.29	20.0	-0.1	20.0	15.5	4.53	4.416	
600.0	600.0	600.0	600.0	2.1	2.1	-0.29	20.0	-0.1	20.0	15.4	4.64	4.312	
625.0	625.0	625.0	625.0	2.2	2.2	-0.29	20.0	-0.1	20.0	15.3	4.74	4.220	
650.0	650.0	650.0	650.0	2.2	2.2	-0.29	20.0	-0.1	20.0	15.2	4.84	4.131	
675.0	675.0	675.0	675.0	2.3	2.3	-0.29	20.0	-0.1	20.0	15.1	4.94	4.046	
700.0	700.0	700.0	700.0	2.3	2.3	-0.29	20.0	-0.1	20.0	15.0	5.04	3.965	
725.0	725.0	725.0	725.0	2.4	2.4	-0.29	20.0	-0.1	20.0	14.9	5.14	3.891	
750.0	750.0	750.0	750.0	2.4	2.4	-0.29	20.0	-0.1	20.0	14.8	5.24	3.820	
775.0	775.0	775.0	775.0	2.5	2.5	-0.29	20.0	-0.1	20.0	14.7	5.33	3.751	
800.0	800.0	800.0	800.0	2.5	2.5	-0.29	20.0	-0.1	20.0	14.6	5.43	3.685	
825.0	825.0	825.0	825.0	2.6	2.6	-0.29	20.0	-0.1	20.0	14.5	5.52	3.624	
850.0	850.0	850.0	850.0	2.6	2.6	-0.29	20.0	-0.1	20.0	14.4	5.61	3.565	
875.0	875.0	875.0	875.0	2.6	2.6	-0.29	20.0	-0.1	20.0	14.3	5.70	3.508	
900.0	900.0	900.0	900.0	2.7	2.7	-0.29	20.0	-0.1	20.0	14.2	5.79	3.453	
925.0	925.0	925.0	925.0	2.7	2.7	-0.29	20.0	-0.1	20.0	14.1	5.88	3.402	
950.0	950.0	950.0	950.0	2.8	2.8	-0.29	20.0	-0.1	20.0	14.0	5.97	3.352	
975.0	975.0	975.0	975.0	2.8	2.8	-0.29	20.0	-0.1	20.0	13.9	6.05	3.304	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	-0.29	20.0	-0.1	20.0	13.9	6.14	3.257	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	-0.29	20.0	-0.1	20.0	13.8	6.23	3.212	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	-0.29	20.0	-0.1	20.0	13.7	6.31	3.170	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	-0.29	20.0	-0.1	20.0	13.6	6.39	3.128	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	-0.29	20.0	-0.1	20.0	13.5	6.48	3.087	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	-0.29	20.0	-0.1	20.0	13.4	6.56	3.049	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	-0.29	20.0	-0.1	20.0	13.4	6.64	3.011	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	-0.29	20.0	-0.1	20.0	13.3	6.72	2.974	Normal Operations
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	-0.29	20.0	-0.1	20.0	13.2	6.81	2.939	Normal Operations
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	-0.29	20.0	-0.1	20.0	13.1	6.89	2.905	Normal Operations
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	-0.29	20.0	-0.1	20.0	13.0	6.97	2.871	Normal Operations

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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	1,275.0	1,275.0	3.3	3.3	-0.29	20.0	-0.1	20.0	13.0	7.04	2.839	Normal Operations
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-0.29	20.0	-0.1	20.0	12.9	7.12	2.807	Normal Operations
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	-0.29	20.0	-0.1	20.0	12.8	7.20	2.777	Normal Operations
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	-0.29	20.0	-0.1	20.0	12.7	7.28	2.747	Normal Operations
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	-0.29	20.0	-0.1	20.0	12.6	7.36	2.718	Normal Operations
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-0.29	20.0	-0.1	20.0	12.6	7.44	2.690	Normal Operations
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	-0.29	20.0	-0.1	20.0	12.5	7.51	2.663	Normal Operations
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	-0.29	20.0	-0.1	20.0	12.4	7.59	2.636	Normal Operations
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	-0.29	20.0	-0.1	20.0	12.3	7.66	2.610	Normal Operations
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	-0.29	20.0	-0.1	20.0	12.3	7.74	2.584	Normal Operations
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	-0.29	20.0	-0.1	20.0	12.2	7.81	2.560	Normal Operations
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	-0.29	20.0	-0.1	20.0	12.1	7.89	2.535	Normal Operations
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	-0.29	20.0	-0.1	20.0	12.0	7.96	2.512	Normal Operations
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	-0.29	20.0	-0.1	20.0	12.0	8.04	2.488	Caution - Monitor Closely
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	-0.29	20.0	-0.1	20.0	11.9	8.11	2.466	Caution - Monitor Closely
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	-0.29	20.0	-0.1	20.0	11.8	8.18	2.444	Caution - Monitor Closely
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	-0.29	20.0	-0.1	20.0	11.7	8.26	2.422	Caution - Monitor Closely
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	-0.29	20.0	-0.1	20.0	11.7	8.33	2.401	Caution - Monitor Closely
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	-0.29	20.0	-0.1	20.0	11.6	8.40	2.380	Caution - Monitor Closely
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	-0.29	20.0	-0.1	20.0	11.5	8.48	2.360	Caution - Monitor Closely
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	-0.29	20.0	-0.1	20.0	11.5	8.55	2.340	Caution - Monitor Closely
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	-0.29	20.0	-0.1	20.0	11.4	8.62	2.320	Caution - Monitor Closely
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	-0.29	20.0	-0.1	20.0	11.3	8.69	2.301	Caution - Monitor Closely
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	-0.29	20.0	-0.1	20.0	11.2	8.76	2.283	Caution - Monitor Closely
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	-0.29	20.0	-0.1	20.0	11.2	8.83	2.264	Caution - Monitor Closely
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	-0.29	20.0	-0.1	20.0	11.1	8.90	2.246	Caution - Monitor Closely
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	-0.29	20.0	-0.1	20.0	11.0	8.97	2.229	Caution - Monitor Closely
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	-0.29	20.0	-0.1	20.0	11.0	9.04	2.211	Caution - Monitor Closely
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	-0.29	20.0	-0.1	20.0	10.9	9.11	2.194	Caution - Monitor Closely
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-0.29	20.0	-0.1	20.0	10.8	9.18	2.178	Caution - Monitor Closely
2,025.0	2,025.0	2,025.0	2,025.0	4.4	4.4	-55.73	20.0	-0.2	20.0	10.7	9.24	2.161	Caution - Monitor Closely
2,050.0	2,050.0	2,050.0	2,050.0	4.5	4.5	-57.06	20.0	-0.5	19.9	10.6	9.29	2.140	Caution - Monitor Closely
2,075.0	2,075.0	2,075.0	2,075.0	4.5	4.5	-59.30	20.0	-1.1	19.8	10.4	9.34	2.117	Caution - Monitor Closely
2,100.0	2,100.0	2,099.9	2,099.9	4.5	4.5	-62.47	20.0	-1.8	19.7	10.3	9.39	2.095	Caution - Monitor Closely
2,124.6	2,124.6	2,124.5	2,124.4	4.6	4.6	-66.50	20.0	-2.8	19.6	10.2	9.44	2.078	Caution - Monitor Closely, CC
2,125.0	2,125.0	2,124.9	2,124.8	4.6	4.6	-66.57	20.0	-2.8	19.6	10.2	9.44	2.077	Caution - Monitor Closely, ES
2,150.0	2,150.0	2,149.8	2,149.7	4.6	4.6	-71.57	20.0	-4.0	19.7	10.2	9.49	2.076	Caution - Monitor Closely, SF
2,175.0	2,175.0	2,174.6	2,174.5	4.6	4.6	-77.36	20.0	-5.4	20.0	10.5	9.51	2.101	Caution - Monitor Closely
2,200.0	2,200.0	2,199.4	2,199.3	4.7	4.7	-83.75	20.0	-7.0	20.6	11.0	9.52	2.159	Caution - Monitor Closely
2,225.0	2,224.9	2,224.2	2,224.0	4.7	4.7	-90.46	20.0	-8.9	21.5	12.0	9.52	2.258	Caution - Monitor Closely
2,250.0	2,249.9	2,248.9	2,248.6	4.8	4.8	-97.18	20.0	-10.9	22.9	13.3	9.52	2.402	Caution - Monitor Closely
2,275.0	2,274.9	2,273.5	2,273.1	4.8	4.8	-103.64	20.0	-13.1	24.7	15.2	9.53	2.592	Normal Operations
2,300.0	2,299.9	2,298.1	2,297.6	4.9	4.8	-109.61	20.0	-15.6	27.0	17.5	9.56	2.827	Normal Operations
2,325.0	2,324.8	2,322.6	2,321.9	4.9	4.9	-114.97	20.0	-18.2	29.8	20.2	9.62	3.101	
2,350.0	2,349.8	2,347.0	2,346.1	4.9	4.9	-119.69	20.0	-21.1	33.1	23.4	9.70	3.413	
2,375.0	2,374.7	2,371.3	2,370.3	5.0	5.0	-123.79	20.0	-24.1	36.8	27.0	9.79	3.760	
2,400.0	2,399.7	2,395.5	2,394.3	5.0	5.0	-127.33	20.0	-27.4	41.0	31.1	9.90	4.137	
2,425.0	2,424.6	2,419.7	2,418.2	5.1	5.1	-130.37	20.0	-30.8	45.5	35.5	10.03	4.539	
2,450.0	2,449.5	2,443.7	2,441.9	5.1	5.2	-132.99	20.0	-34.4	50.4	40.3	10.16	4.965	
2,475.0	2,474.5	2,467.6	2,465.5	5.2	5.3	-135.24	20.0	-38.2	55.7	45.4	10.29	5.415	
2,500.0	2,499.4	2,491.4	2,489.0	5.2	5.4	-137.19	20.0	-42.1	61.4	50.9	10.43	5.884	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
2,525.0	2,524.3	2,515.0	2,512.3	5.3	5.5	-143.72	20.0	-46.3	67.4	56.8	10.58	6.372	
2,550.0	2,549.2	2,538.6	2,535.4	5.4	5.5	-149.47	20.0	-50.6	73.9	63.1	10.73	6.886	
2,575.0	2,574.0	2,561.9	2,558.3	5.4	5.6	-154.51	20.0	-55.0	80.8	69.9	10.88	7.425	
2,600.0	2,598.9	2,585.1	2,581.0	5.5	5.7	-158.92	20.0	-59.6	88.1	77.1	11.03	7.987	
2,625.0	2,623.7	2,608.1	2,603.6	5.5	5.8	-162.78	20.0	-64.4	95.8	84.6	11.19	8.561	
2,650.0	2,648.6	2,631.0	2,625.9	5.6	5.9	-166.16	20.0	-69.3	103.9	92.5	11.35	9.151	
2,675.0	2,673.4	2,653.6	2,648.0	5.7	6.0	-169.13	20.0	-74.3	112.3	100.8	11.51	9.760	
2,700.0	2,698.2	2,676.1	2,669.8	5.7	6.1	-171.74	20.0	-79.5	121.2	109.5	11.67	10.386	
2,717.4	2,715.4	2,691.6	2,684.9	5.7	6.1	-173.38	20.0	-83.2	127.6	115.8	11.76	10.845	
2,725.0	2,722.9	2,700.0	2,693.1	5.7	6.2	-173.45	20.0	-85.2	130.4	118.6	11.83	11.022	
2,750.0	2,747.7	2,720.5	2,712.9	5.8	6.2	-173.60	20.0	-90.2	139.8	127.9	11.93	11.717	
2,775.0	2,772.4	2,742.4	2,734.2	5.9	6.3	-173.75	20.0	-95.8	149.4	137.3	12.05	12.397	
2,800.0	2,797.2	2,765.1	2,756.0	5.9	6.4	-173.88	20.0	-101.6	159.1	147.0	12.18	13.066	
2,825.0	2,822.0	2,788.1	2,778.2	6.0	6.4	-174.00	20.0	-107.6	168.9	156.6	12.32	13.711	
2,850.0	2,846.7	2,811.1	2,800.5	6.0	6.5	-174.10	20.0	-113.5	178.6	166.2	12.47	14.331	
2,875.0	2,871.5	2,834.1	2,822.7	6.1	6.6	-174.20	20.0	-119.5	188.4	175.8	12.62	14.925	
2,900.0	2,896.2	2,857.1	2,844.9	6.2	6.7	-174.28	20.0	-125.4	198.1	185.4	12.78	15.504	
2,925.0	2,921.0	2,880.1	2,867.2	6.3	6.7	-174.36	20.0	-131.4	207.9	195.0	12.94	16.065	
2,950.0	2,945.7	2,903.2	2,889.4	6.3	6.8	-174.43	20.0	-137.4	217.7	204.6	13.10	16.611	
2,975.0	2,970.5	2,926.2	2,911.6	6.4	6.9	-174.50	20.0	-143.3	227.4	214.1	13.27	17.140	
3,000.0	2,995.2	2,949.2	2,933.9	6.5	7.0	-174.56	20.0	-149.3	237.2	223.7	13.43	17.656	
3,025.0	3,020.0	2,972.2	2,956.1	6.6	7.1	-174.61	20.0	-155.2	246.9	233.3	13.60	18.156	
3,050.0	3,044.8	2,995.2	2,978.3	6.6	7.2	-174.66	20.0	-161.2	256.7	242.9	13.77	18.643	
3,075.0	3,069.5	3,018.3	3,000.6	6.7	7.3	-174.71	20.0	-167.1	266.4	252.5	13.94	19.116	
3,100.0	3,094.3	3,041.3	3,022.8	6.8	7.3	-174.75	20.0	-173.1	276.2	262.1	14.11	19.576	
3,125.0	3,119.0	3,064.3	3,045.0	6.9	7.4	-174.79	20.0	-179.1	285.9	271.7	14.28	20.022	
3,150.0	3,143.8	3,087.3	3,067.3	7.0	7.5	-174.83	20.0	-185.0	295.7	281.2	14.45	20.457	
3,175.0	3,168.5	3,110.3	3,089.5	7.1	7.6	-174.87	20.0	-191.0	305.4	290.8	14.63	20.880	
3,200.0	3,193.3	3,133.3	3,111.7	7.1	7.7	-174.90	20.0	-196.9	315.2	300.4	14.80	21.291	
3,225.0	3,218.1	3,156.4	3,134.0	7.2	7.8	-174.93	20.0	-202.9	325.0	310.0	14.98	21.689	
3,250.0	3,242.8	3,179.4	3,156.2	7.3	7.9	-174.96	20.0	-208.8	334.7	319.5	15.16	22.078	
3,275.0	3,267.6	3,202.4	3,178.4	7.4	8.0	-174.99	20.0	-214.8	344.5	329.1	15.34	22.457	
3,300.0	3,292.3	3,225.4	3,200.7	7.5	8.1	-175.01	20.0	-220.8	354.2	338.7	15.52	22.825	
3,325.0	3,317.1	3,248.4	3,222.9	7.6	8.2	-175.04	20.0	-226.7	364.0	348.3	15.70	23.181	
3,350.0	3,341.8	3,271.4	3,245.1	7.7	8.3	-175.06	20.0	-232.7	373.7	357.8	15.88	23.530	
3,375.0	3,366.6	3,294.5	3,267.4	7.8	8.4	-175.08	20.0	-238.6	383.5	367.4	16.07	23.870	
3,400.0	3,391.4	3,317.5	3,289.6	7.9	8.5	-175.11	20.0	-244.6	393.2	377.0	16.25	24.201	
3,425.0	3,416.1	3,340.5	3,311.8	8.0	8.5	-175.13	20.0	-250.5	403.0	386.6	16.43	24.521	
3,450.0	3,440.9	3,363.5	3,334.1	8.0	8.6	-175.14	20.0	-256.5	412.7	396.1	16.62	24.834	
3,475.0	3,465.6	3,386.5	3,356.3	8.1	8.7	-175.16	20.0	-262.5	422.5	405.7	16.81	25.140	
3,500.0	3,490.4	3,409.6	3,378.5	8.2	8.8	-175.18	20.0	-268.4	432.3	415.3	16.99	25.438	
3,525.0	3,515.1	3,432.6	3,400.8	8.3	8.9	-175.20	20.0	-274.4	442.0	424.8	17.18	25.726	
3,550.0	3,539.9	3,455.6	3,423.0	8.4	9.0	-175.21	20.0	-280.3	451.8	434.4	17.37	26.008	
3,575.0	3,564.7	3,478.6	3,445.2	8.5	9.1	-175.23	20.0	-286.3	461.5	444.0	17.56	26.284	
3,600.0	3,589.4	3,501.6	3,467.5	8.6	9.2	-175.24	20.0	-292.3	471.3	453.5	17.75	26.554	
3,625.0	3,614.2	3,524.6	3,489.7	8.7	9.3	-175.26	20.0	-298.2	481.0	463.1	17.94	26.815	
3,650.0	3,638.9	3,547.7	3,511.9	8.8	9.4	-175.27	20.0	-304.2	490.8	472.7	18.13	27.070	
3,675.0	3,663.7	3,570.7	3,534.2	8.9	9.5	-175.28	20.0	-310.1	500.5	482.2	18.32	27.319	
3,700.0	3,688.4	3,593.7	3,556.4	9.0	9.6	-175.30	20.0	-316.1	510.3	491.8	18.51	27.563	
3,725.0	3,713.2	3,616.7	3,578.6	9.1	9.7	-175.31	20.0	-322.0	520.1	501.4	18.71	27.800	
3,750.0	3,737.9	3,639.7	3,600.9	9.2	9.8	-175.32	20.0	-328.0	529.8	510.9	18.90	28.031	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
3,775.0	3,762.7	3,662.7	3,623.1	9.3	9.9	-175.33	20.0	-334.0	539.6	520.5	19.10	28.257	
3,800.0	3,787.5	3,685.8	3,645.3	9.4	10.0	-175.34	20.0	-339.9	549.3	530.0	19.29	28.479	
3,825.0	3,812.2	3,708.8	3,667.6	9.5	10.1	-175.35	20.0	-345.9	559.1	539.6	19.48	28.694	
3,850.0	3,837.0	3,731.8	3,689.8	9.6	10.2	-175.36	20.0	-351.8	568.8	549.2	19.68	28.904	
3,875.0	3,861.7	3,754.8	3,712.0	9.7	10.3	-175.37	20.0	-357.8	578.6	558.7	19.88	29.110	
3,900.0	3,886.5	3,777.8	3,734.3	9.8	10.4	-175.38	20.0	-363.7	588.4	568.3	20.07	29.312	
3,925.0	3,911.2	3,800.9	3,756.5	9.9	10.5	-175.39	20.0	-369.7	598.1	577.8	20.27	29.509	
3,950.0	3,936.0	3,823.9	3,778.7	10.0	10.6	-175.40	20.0	-375.7	607.9	587.4	20.47	29.700	
3,975.0	3,960.8	3,846.9	3,801.0	10.1	10.7	-175.41	20.0	-381.6	617.6	597.0	20.66	29.888	
4,000.0	3,985.5	3,869.9	3,823.2	10.2	10.9	-175.42	20.0	-387.6	627.4	606.5	20.86	30.073	
4,025.0	4,010.3	3,892.9	3,845.4	10.3	11.0	-175.42	20.0	-393.5	637.1	616.1	21.06	30.252	
4,050.0	4,035.0	3,915.9	3,867.7	10.4	11.1	-175.43	20.0	-399.5	646.9	625.6	21.26	30.428	
4,075.0	4,059.8	3,939.0	3,889.9	10.5	11.2	-175.44	20.0	-405.4	656.6	635.2	21.46	30.600	
4,100.0	4,084.5	3,962.0	3,912.1	10.6	11.3	-175.45	20.0	-411.4	666.4	644.7	21.66	30.769	
4,125.0	4,109.3	3,985.0	3,934.4	10.7	11.4	-175.45	20.0	-417.4	676.2	654.3	21.86	30.933	
4,150.0	4,134.1	4,008.0	3,956.6	10.8	11.5	-175.46	20.0	-423.3	685.9	663.9	22.06	31.095	
4,175.0	4,158.8	4,031.0	3,978.8	10.9	11.6	-175.47	20.0	-429.3	695.7	673.4	22.26	31.253	
4,200.0	4,183.6	4,054.0	4,001.1	11.0	11.7	-175.47	20.0	-435.2	705.4	683.0	22.46	31.407	
4,225.0	4,208.3	4,077.1	4,023.3	11.1	11.8	-175.48	20.0	-441.2	715.2	692.5	22.66	31.559	
4,250.0	4,233.1	4,100.1	4,045.5	11.2	11.9	-175.49	20.0	-447.1	724.9	702.1	22.86	31.708	
4,275.0	4,257.8	4,123.1	4,067.8	11.3	12.0	-175.49	20.0	-453.1	734.7	711.6	23.07	31.853	
4,300.0	4,282.6	4,146.1	4,090.0	11.4	12.1	-175.50	20.0	-459.1	744.4	721.2	23.27	31.995	
4,325.0	4,307.4	4,169.1	4,112.2	11.5	12.2	-175.50	20.0	-465.0	754.2	730.7	23.46	32.142	
4,350.0	4,332.1	4,192.2	4,134.5	11.6	12.3	-175.51	20.0	-471.0	764.0	740.3	23.66	32.287	
4,365.6	4,347.6	4,206.5	4,148.4	11.6	12.4	-175.51	20.0	-474.7	770.1	746.3	23.78	32.376	
4,375.0	4,356.9	4,215.2	4,156.7	11.7	12.4	-175.52	20.0	-476.9	773.7	749.8	23.86	32.431	
4,400.0	4,381.6	4,238.2	4,179.0	11.7	12.5	-175.53	20.0	-482.9	783.4	759.3	24.05	32.571	
4,425.0	4,406.4	4,261.3	4,201.3	11.8	12.6	-175.54	20.0	-488.9	792.9	768.7	24.25	32.694	
4,450.0	4,431.2	4,284.5	4,223.6	11.9	12.7	-175.55	20.0	-494.9	802.4	778.0	24.46	32.810	
4,475.0	4,456.0	4,307.6	4,246.0	12.0	12.9	-175.57	20.0	-500.9	811.8	787.1	24.66	32.920	
4,500.0	4,480.9	4,330.9	4,268.5	12.1	13.0	-175.57	20.0	-506.9	821.0	796.2	24.86	33.023	
4,525.0	4,505.7	4,354.1	4,290.9	12.2	13.1	-175.58	20.0	-512.9	830.2	805.1	25.06	33.122	
4,550.0	4,530.5	4,377.4	4,313.4	12.3	13.2	-175.59	20.0	-518.9	839.3	814.0	25.27	33.216	
4,575.0	4,555.4	4,400.8	4,336.0	12.4	13.3	-175.60	20.0	-525.0	848.2	822.8	25.47	33.304	
4,600.0	4,580.3	4,424.1	4,358.6	12.5	13.4	-175.60	20.0	-531.0	857.1	831.4	25.67	33.386	
4,625.0	4,605.2	4,447.6	4,381.2	12.6	13.5	-175.61	20.0	-537.1	865.9	840.0	25.87	33.465	
4,650.0	4,630.1	4,471.0	4,403.8	12.7	13.6	-175.62	20.0	-543.1	874.5	848.4	26.07	33.539	
4,675.0	4,655.0	4,494.5	4,426.5	12.8	13.7	-175.62	20.0	-549.2	883.1	856.8	26.28	33.607	
4,700.0	4,679.9	4,518.0	4,449.2	12.9	13.8	-175.62	20.0	-555.3	891.5	865.0	26.48	33.670	
4,725.0	4,704.8	4,541.6	4,472.0	13.0	13.9	-175.63	20.0	-561.4	899.9	873.2	26.68	33.731	
4,750.0	4,729.7	4,565.2	4,494.8	13.1	14.1	-175.63	20.0	-567.5	908.1	881.2	26.88	33.787	
4,775.0	4,754.7	4,588.8	4,517.6	13.2	14.2	-175.63	20.0	-573.6	916.3	889.2	27.08	33.839	
4,800.0	4,779.6	4,612.5	4,540.5	13.3	14.3	-175.63	20.0	-579.8	924.3	897.0	27.28	33.885	
4,825.0	4,804.6	4,636.2	4,563.4	13.4	14.4	-175.64	20.0	-585.9	932.2	904.8	27.47	33.931	
4,850.0	4,829.5	4,659.9	4,586.3	13.4	14.5	-175.64	20.0	-592.0	940.1	912.4	27.67	33.972	
4,875.0	4,854.5	4,683.7	4,609.3	13.5	14.6	-175.64	20.0	-598.2	947.8	919.9	27.87	34.009	
4,900.0	4,879.5	4,707.5	4,632.3	13.6	14.7	-175.63	20.0	-604.4	955.4	927.4	28.07	34.042	
4,925.0	4,904.4	4,731.4	4,655.3	13.7	14.8	-175.63	20.0	-610.5	963.0	934.7	28.26	34.075	
4,950.0	4,929.4	4,755.2	4,678.4	13.8	15.0	-175.63	20.0	-616.7	970.4	941.9	28.45	34.105	
4,975.0	4,954.4	4,779.1	4,701.5	13.9	15.1	-175.63	20.0	-622.9	977.7	949.0	28.65	34.130	
5,000.0	4,979.4	4,803.1	4,724.6	13.9	15.2	-175.63	20.0	-629.1	984.9	956.1	28.84	34.151	

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 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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
5,025.0	5,004.4	4,827.0	4,747.7	14.0	15.3	-175.62	20.0	-635.3	992.0	963.0	29.03	34.177	
5,050.0	5,029.4	4,851.0	4,770.9	14.1	15.4	-175.62	20.0	-641.5	999.0	969.8	29.21	34.199	

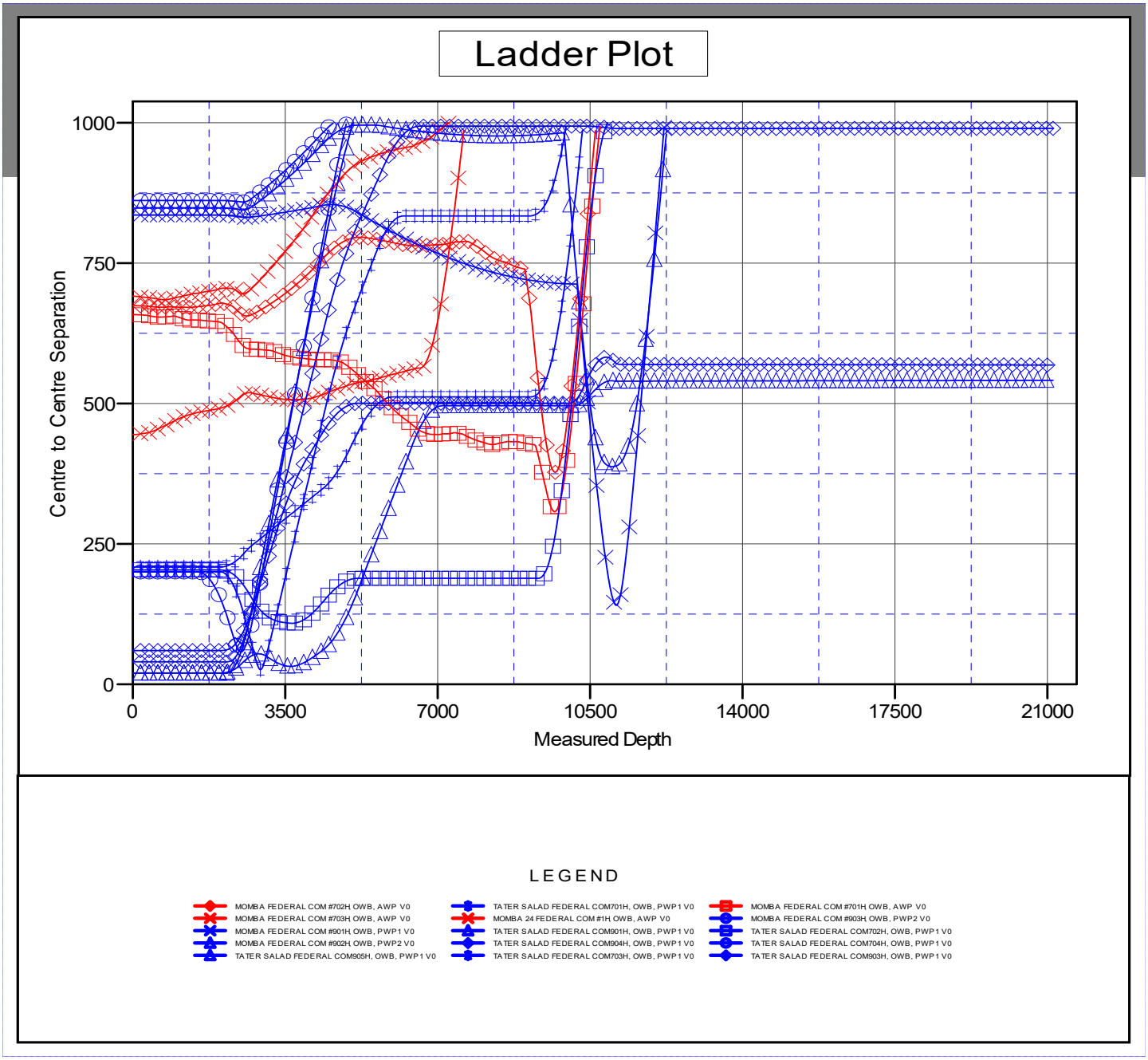
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 @ 2945.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

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



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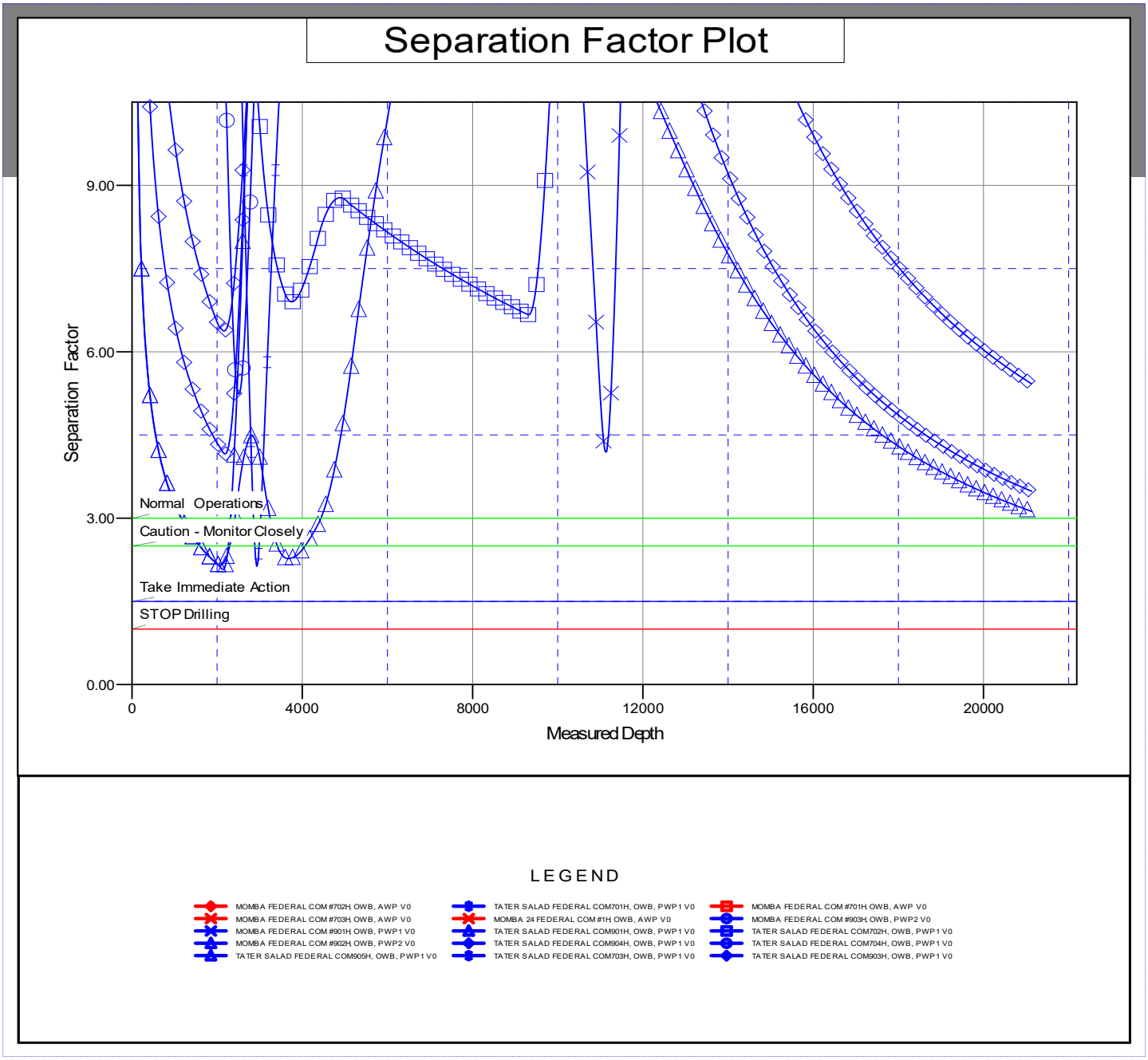
Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 902H	**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 @ 2945.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

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



DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 902H
300154774900
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 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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 902H

Well Position	**+N/-S**	0.0 usft	**Northing:**	376,429.40 usft	**Latitude:**	32° 2' 4.448 N
	+E/-W	0.0 usft	**Easting:**	592,315.40 usft	**Longitude:**	104° 2' 7.531 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,913.0 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	47,044.42274624

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	1.69

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	10,307.2	PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	10,307.2	21,130.4	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 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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	
2,500.0	5.00	55.00	2,499.4	12.5	17.9	1.00	1.00	0.00	55.00	
2,717.4	8.00	83.87	2,715.4	19.6	40.7	2.00	1.38	13.28	62.42	
4,365.6	8.00	83.87	4,347.6	44.0	268.8	0.00	0.00	0.00	0.00	
5,165.6	0.00	0.00	5,145.0	50.0	324.2	1.00	-1.00	0.00	180.00	
10,307.2	0.00	0.00	10,286.6	50.0	324.2	0.00	0.00	0.00	0.00	
11,052.3	89.41	359.93	10,764.0	522.6	323.6	12.00	12.00	-0.01	359.93	
21,130.4	89.41	359.93	10,867.0	10,600.1	311.9	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 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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	1.00	55.00	2,100.0	0.5	0.7	0.5	1.00	1.00	0.00
2,200.0	2.00	55.00	2,200.0	2.0	2.9	2.1	1.00	1.00	0.00
2,300.0	3.00	55.00	2,299.9	4.5	6.4	4.7	1.00	1.00	0.00
2,400.0	4.00	55.00	2,399.7	8.0	11.4	8.3	1.00	1.00	0.00
2,500.0	5.00	55.00	2,499.4	12.5	17.9	13.0	1.00	1.00	0.00
2,600.0	6.18	71.69	2,598.9	16.7	26.5	17.5	2.00	1.18	16.69
2,700.0	7.71	82.43	2,698.2	19.3	38.3	20.4	2.00	1.53	10.75
2,717.4	8.00	83.87	2,715.4	19.6	40.7	20.7	2.00	1.65	8.27
2,800.0	8.00	83.87	2,797.2	20.8	52.1	22.3	0.00	0.00	0.00
2,900.0	8.00	83.87	2,896.2	22.3	65.9	24.2	0.00	0.00	0.00
3,000.0	8.00	83.87	2,995.2	23.8	79.8	26.1	0.00	0.00	0.00
3,100.0	8.00	83.87	3,094.3	25.2	93.6	28.0	0.00	0.00	0.00
3,200.0	8.00	83.87	3,193.3	26.7	107.5	29.9	0.00	0.00	0.00
3,300.0	8.00	83.87	3,292.3	28.2	121.3	31.8	0.00	0.00	0.00
3,400.0	8.00	83.87	3,391.4	29.7	135.1	33.7	0.00	0.00	0.00
3,500.0	8.00	83.87	3,490.4	31.2	149.0	35.6	0.00	0.00	0.00
3,600.0	8.00	83.87	3,589.4	32.7	162.8	37.4	0.00	0.00	0.00
3,700.0	8.00	83.87	3,688.4	34.2	176.6	39.3	0.00	0.00	0.00
3,800.0	8.00	83.87	3,787.5	35.6	190.5	41.2	0.00	0.00	0.00
3,900.0	8.00	83.87	3,886.5	37.1	204.3	43.1	0.00	0.00	0.00
4,000.0	8.00	83.87	3,985.5	38.6	218.2	45.0	0.00	0.00	0.00
4,100.0	8.00	83.87	4,084.5	40.1	232.0	46.9	0.00	0.00	0.00
4,200.0	8.00	83.87	4,183.6	41.6	245.8	48.8	0.00	0.00	0.00
4,300.0	8.00	83.87	4,282.6	43.1	259.7	50.7	0.00	0.00	0.00
4,365.6	8.00	83.87	4,347.6	44.0	268.8	51.9	0.00	0.00	0.00
4,400.0	7.66	83.87	4,381.6	44.5	273.4	52.6	1.00	-1.00	0.00
4,500.0	6.66	83.87	4,480.9	45.9	285.8	54.3	1.00	-1.00	0.00
4,600.0	5.66	83.87	4,580.3	47.0	296.5	55.7	1.00	-1.00	0.00
4,700.0	4.66	83.87	4,679.9	48.0	305.4	56.9	1.00	-1.00	0.00
4,800.0	3.66	83.87	4,779.6	48.8	312.6	57.9	1.00	-1.00	0.00
4,900.0	2.66	83.87	4,879.5	49.3	318.1	58.7	1.00	-1.00	0.00
5,000.0	1.66	83.87	4,979.4	49.7	321.8	59.2	1.00	-1.00	0.00
5,100.0	0.66	83.87	5,079.4	50.0	323.8	59.5	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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)
5,165.6	0.00	0.00	5,145.0	50.0	324.2	59.5	1.00	-1.00	0.00
5,200.0	0.00	0.00	5,179.4	50.0	324.2	59.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,279.4	50.0	324.2	59.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,379.4	50.0	324.2	59.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,479.4	50.0	324.2	59.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,579.4	50.0	324.2	59.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,679.4	50.0	324.2	59.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,779.4	50.0	324.2	59.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,879.4	50.0	324.2	59.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,979.4	50.0	324.2	59.5	0.00	0.00	0.00
6,100.0	0.00	0.00	6,079.4	50.0	324.2	59.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,179.4	50.0	324.2	59.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,279.4	50.0	324.2	59.5	0.00	0.00	0.00
6,400.0	0.00	0.00	6,379.4	50.0	324.2	59.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,479.4	50.0	324.2	59.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,579.4	50.0	324.2	59.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,679.4	50.0	324.2	59.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,779.4	50.0	324.2	59.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,879.4	50.0	324.2	59.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,979.4	50.0	324.2	59.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,079.4	50.0	324.2	59.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,179.4	50.0	324.2	59.5	0.00	0.00	0.00
7,300.0	0.00	0.00	7,279.4	50.0	324.2	59.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,379.4	50.0	324.2	59.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,479.4	50.0	324.2	59.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,579.4	50.0	324.2	59.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,679.4	50.0	324.2	59.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,779.4	50.0	324.2	59.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,879.4	50.0	324.2	59.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,979.4	50.0	324.2	59.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,079.4	50.0	324.2	59.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,179.4	50.0	324.2	59.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,279.4	50.0	324.2	59.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,379.4	50.0	324.2	59.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,479.4	50.0	324.2	59.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,579.4	50.0	324.2	59.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,679.4	50.0	324.2	59.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,779.4	50.0	324.2	59.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,879.4	50.0	324.2	59.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,979.4	50.0	324.2	59.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,079.4	50.0	324.2	59.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,179.4	50.0	324.2	59.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,279.4	50.0	324.2	59.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,379.4	50.0	324.2	59.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,479.4	50.0	324.2	59.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,579.4	50.0	324.2	59.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,679.4	50.0	324.2	59.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,779.4	50.0	324.2	59.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,879.4	50.0	324.2	59.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,979.4	50.0	324.2	59.5	0.00	0.00	0.00
10,100.0	0.00	0.00	10,079.4	50.0	324.2	59.5	0.00	0.00	0.00
10,200.0	0.00	0.00	10,179.4	50.0	324.2	59.5	0.00	0.00	0.00
10,307.2	0.00	0.00	10,286.6	50.0	324.2	59.5	0.00	0.00	0.00
10,325.0	2.14	359.93	10,304.4	50.3	324.2	59.8	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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)
10,350.0	5.14	359.93	10,329.3	51.9	324.2	61.4	12.00	12.00	0.00
10,375.0	8.14	359.93	10,354.1	54.8	324.2	64.3	12.00	12.00	0.00
10,400.0	11.14	359.93	10,378.8	59.0	324.2	68.5	12.00	12.00	0.00
10,425.0	14.14	359.93	10,403.2	64.5	324.2	74.0	12.00	12.00	0.00
10,450.0	17.14	359.93	10,427.2	71.2	324.2	80.7	12.00	12.00	0.00
10,475.0	20.14	359.93	10,450.9	79.2	324.2	88.7	12.00	12.00	0.00
10,500.0	23.14	359.93	10,474.2	88.4	324.2	97.9	12.00	12.00	0.00
10,525.0	26.14	359.93	10,496.9	98.8	324.1	108.3	12.00	12.00	0.00
10,550.0	29.14	359.93	10,519.0	110.4	324.1	119.9	12.00	12.00	0.00
10,575.0	32.14	359.93	10,540.5	123.2	324.1	132.6	12.00	12.00	0.00
10,600.0	35.14	359.93	10,561.3	137.0	324.1	146.5	12.00	12.00	0.00
10,625.0	38.14	359.93	10,581.4	151.9	324.1	161.4	12.00	12.00	0.00
10,650.0	41.14	359.93	10,600.7	167.9	324.1	177.3	12.00	12.00	0.00
10,675.0	44.14	359.93	10,619.0	184.8	324.0	194.2	12.00	12.00	0.00
10,700.0	47.14	359.93	10,636.5	202.7	324.0	212.1	12.00	12.00	0.00
10,725.0	50.14	359.93	10,653.0	221.4	324.0	230.9	12.00	12.00	0.00
10,750.0	53.14	359.93	10,668.6	241.0	324.0	250.4	12.00	12.00	0.00
10,775.0	56.14	359.93	10,683.0	261.4	324.0	270.8	12.00	12.00	0.00
10,800.0	59.14	359.93	10,696.4	282.5	323.9	291.9	12.00	12.00	0.00
10,825.0	62.14	359.93	10,708.7	304.3	323.9	313.7	12.00	12.00	0.00
10,850.0	65.14	359.93	10,719.8	326.7	323.9	336.1	12.00	12.00	0.00
10,875.0	68.14	359.93	10,729.7	349.7	323.9	359.0	12.00	12.00	0.00
10,900.0	71.14	359.93	10,738.4	373.1	323.8	382.5	12.00	12.00	0.00
10,925.0	74.14	359.93	10,745.8	396.9	323.8	406.3	12.00	12.00	0.00
10,950.0	77.14	359.93	10,752.0	421.2	323.8	430.5	12.00	12.00	0.00
10,975.0	80.14	359.93	10,757.0	445.7	323.7	455.0	12.00	12.00	0.00
11,000.0	83.14	359.93	10,760.6	470.4	323.7	479.7	12.00	12.00	0.00
11,025.0	86.14	359.93	10,762.9	495.3	323.7	504.6	12.00	12.00	0.00
11,052.3	89.41	359.93	10,764.0	522.6	323.6	531.9	12.00	12.00	0.00
11,100.0	89.41	359.93	10,764.5	570.3	323.6	579.5	0.00	0.00	0.00
11,200.0	89.41	359.93	10,765.5	670.3	323.5	679.5	0.00	0.00	0.00
11,300.0	89.41	359.93	10,766.5	770.3	323.4	779.4	0.00	0.00	0.00
11,400.0	89.41	359.93	10,767.6	870.2	323.2	879.4	0.00	0.00	0.00
11,500.0	89.41	359.93	10,768.6	970.2	323.1	979.3	0.00	0.00	0.00
11,600.0	89.41	359.93	10,769.6	1,070.2	323.0	1,079.3	0.00	0.00	0.00
11,700.0	89.41	359.93	10,770.6	1,170.2	322.9	1,179.2	0.00	0.00	0.00
11,800.0	89.41	359.93	10,771.6	1,270.2	322.8	1,279.2	0.00	0.00	0.00
11,900.0	89.41	359.93	10,772.7	1,370.2	322.7	1,379.1	0.00	0.00	0.00
12,000.0	89.41	359.93	10,773.7	1,470.2	322.5	1,479.1	0.00	0.00	0.00
12,100.0	89.41	359.93	10,774.7	1,570.2	322.4	1,579.0	0.00	0.00	0.00
12,200.0	89.41	359.93	10,775.7	1,670.2	322.3	1,679.0	0.00	0.00	0.00
12,300.0	89.41	359.93	10,776.8	1,770.2	322.2	1,778.9	0.00	0.00	0.00
12,400.0	89.41	359.93	10,777.8	1,870.2	322.1	1,878.9	0.00	0.00	0.00
12,500.0	89.41	359.93	10,778.8	1,970.2	322.0	1,978.8	0.00	0.00	0.00
12,600.0	89.41	359.93	10,779.8	2,070.2	321.8	2,078.8	0.00	0.00	0.00
12,700.0	89.41	359.93	10,780.8	2,170.2	321.7	2,178.7	0.00	0.00	0.00
12,800.0	89.41	359.93	10,781.9	2,270.2	321.6	2,278.6	0.00	0.00	0.00
12,900.0	89.41	359.93	10,782.9	2,370.2	321.5	2,378.6	0.00	0.00	0.00
13,000.0	89.41	359.93	10,783.9	2,470.2	321.4	2,478.5	0.00	0.00	0.00
13,100.0	89.41	359.93	10,784.9	2,570.2	321.3	2,578.5	0.00	0.00	0.00
13,200.0	89.41	359.93	10,785.9	2,670.2	321.1	2,678.4	0.00	0.00	0.00
13,300.0	89.41	359.93	10,787.0	2,770.1	321.0	2,778.4	0.00	0.00	0.00
13,400.0	89.41	359.93	10,788.0	2,870.1	320.9	2,878.3	0.00	0.00	0.00
13,500.0	89.41	359.93	10,789.0	2,970.1	320.8	2,978.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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)
13,600.0	89.41	359.93	10,790.0	3,070.1	320.7	3,078.2	0.00	0.00	0.00
13,700.0	89.41	359.93	10,791.1	3,170.1	320.6	3,178.2	0.00	0.00	0.00
13,800.0	89.41	359.93	10,792.1	3,270.1	320.4	3,278.1	0.00	0.00	0.00
13,900.0	89.41	359.93	10,793.1	3,370.1	320.3	3,378.1	0.00	0.00	0.00
14,000.0	89.41	359.93	10,794.1	3,470.1	320.2	3,478.0	0.00	0.00	0.00
14,100.0	89.41	359.93	10,795.1	3,570.1	320.1	3,578.0	0.00	0.00	0.00
14,200.0	89.41	359.93	10,796.2	3,670.1	320.0	3,677.9	0.00	0.00	0.00
14,300.0	89.41	359.93	10,797.2	3,770.1	319.9	3,777.9	0.00	0.00	0.00
14,400.0	89.41	359.93	10,798.2	3,870.1	319.7	3,877.8	0.00	0.00	0.00
14,500.0	89.41	359.93	10,799.2	3,970.1	319.6	3,977.8	0.00	0.00	0.00
14,600.0	89.41	359.93	10,800.3	4,070.1	319.5	4,077.7	0.00	0.00	0.00
14,700.0	89.41	359.93	10,801.3	4,170.1	319.4	4,177.7	0.00	0.00	0.00
14,800.0	89.41	359.93	10,802.3	4,270.1	319.3	4,277.6	0.00	0.00	0.00
14,900.0	89.41	359.93	10,803.3	4,370.1	319.2	4,377.6	0.00	0.00	0.00
15,000.0	89.41	359.93	10,804.3	4,470.1	319.0	4,477.5	0.00	0.00	0.00
15,100.0	89.41	359.93	10,805.4	4,570.0	318.9	4,577.5	0.00	0.00	0.00
15,200.0	89.41	359.93	10,806.4	4,670.0	318.8	4,677.4	0.00	0.00	0.00
15,300.0	89.41	359.93	10,807.4	4,770.0	318.7	4,777.3	0.00	0.00	0.00
15,400.0	89.41	359.93	10,808.4	4,870.0	318.6	4,877.3	0.00	0.00	0.00
15,500.0	89.41	359.93	10,809.5	4,970.0	318.5	4,977.2	0.00	0.00	0.00
15,600.0	89.41	359.93	10,810.5	5,070.0	318.3	5,077.2	0.00	0.00	0.00
15,700.0	89.41	359.93	10,811.5	5,170.0	318.2	5,177.1	0.00	0.00	0.00
15,800.0	89.41	359.93	10,812.5	5,270.0	318.1	5,277.1	0.00	0.00	0.00
15,900.0	89.41	359.93	10,813.5	5,370.0	318.0	5,377.0	0.00	0.00	0.00
16,000.0	89.41	359.93	10,814.6	5,470.0	317.9	5,477.0	0.00	0.00	0.00
16,100.0	89.41	359.93	10,815.6	5,570.0	317.8	5,576.9	0.00	0.00	0.00
16,200.0	89.41	359.93	10,816.6	5,670.0	317.6	5,676.9	0.00	0.00	0.00
16,300.0	89.41	359.93	10,817.6	5,770.0	317.5	5,776.8	0.00	0.00	0.00
16,400.0	89.41	359.93	10,818.7	5,870.0	317.4	5,876.8	0.00	0.00	0.00
16,500.0	89.41	359.93	10,819.7	5,970.0	317.3	5,976.7	0.00	0.00	0.00
16,600.0	89.41	359.93	10,820.7	6,070.0	317.2	6,076.7	0.00	0.00	0.00
16,700.0	89.41	359.93	10,821.7	6,170.0	317.1	6,176.6	0.00	0.00	0.00
16,800.0	89.41	359.93	10,822.7	6,270.0	316.9	6,276.6	0.00	0.00	0.00
16,900.0	89.41	359.93	10,823.8	6,370.0	316.8	6,376.5	0.00	0.00	0.00
17,000.0	89.41	359.93	10,824.8	6,469.9	316.7	6,476.5	0.00	0.00	0.00
17,100.0	89.41	359.93	10,825.8	6,569.9	316.6	6,576.4	0.00	0.00	0.00
17,200.0	89.41	359.93	10,826.8	6,669.9	316.5	6,676.4	0.00	0.00	0.00
17,300.0	89.41	359.93	10,827.9	6,769.9	316.4	6,776.3	0.00	0.00	0.00
17,400.0	89.41	359.93	10,828.9	6,869.9	316.2	6,876.3	0.00	0.00	0.00
17,500.0	89.41	359.93	10,829.9	6,969.9	316.1	6,976.2	0.00	0.00	0.00
17,600.0	89.41	359.93	10,830.9	7,069.9	316.0	7,076.2	0.00	0.00	0.00
17,700.0	89.41	359.93	10,831.9	7,169.9	315.9	7,176.1	0.00	0.00	0.00
17,800.0	89.41	359.93	10,833.0	7,269.9	315.8	7,276.0	0.00	0.00	0.00
17,900.0	89.41	359.93	10,834.0	7,369.9	315.7	7,376.0	0.00	0.00	0.00
18,000.0	89.41	359.93	10,835.0	7,469.9	315.5	7,475.9	0.00	0.00	0.00
18,100.0	89.41	359.93	10,836.0	7,569.9	315.4	7,575.9	0.00	0.00	0.00
18,200.0	89.41	359.93	10,837.1	7,669.9	315.3	7,675.8	0.00	0.00	0.00
18,300.0	89.41	359.93	10,838.1	7,769.9	315.2	7,775.8	0.00	0.00	0.00
18,400.0	89.41	359.93	10,839.1	7,869.9	315.1	7,875.7	0.00	0.00	0.00
18,500.0	89.41	359.93	10,840.1	7,969.9	315.0	7,975.7	0.00	0.00	0.00
18,600.0	89.41	359.93	10,841.1	8,069.9	314.8	8,075.6	0.00	0.00	0.00
18,700.0	89.41	359.93	10,842.2	8,169.9	314.7	8,175.6	0.00	0.00	0.00
18,800.0	89.41	359.93	10,843.2	8,269.9	314.6	8,275.5	0.00	0.00	0.00
18,900.0	89.41	359.93	10,844.2	8,369.8	314.5	8,375.5	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 902H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 902H	**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)
19,000.0	89.41	359.93	10,845.2	8,469.8	314.4	8,475.4	0.00	0.00	0.00
19,100.0	89.41	359.93	10,846.2	8,569.8	314.3	8,575.4	0.00	0.00	0.00
19,200.0	89.41	359.93	10,847.3	8,669.8	314.2	8,675.3	0.00	0.00	0.00
19,300.0	89.41	359.93	10,848.3	8,769.8	314.0	8,775.3	0.00	0.00	0.00
19,400.0	89.41	359.93	10,849.3	8,869.8	313.9	8,875.2	0.00	0.00	0.00
19,500.0	89.41	359.93	10,850.3	8,969.8	313.8	8,975.2	0.00	0.00	0.00
19,600.0	89.41	359.93	10,851.4	9,069.8	313.7	9,075.1	0.00	0.00	0.00
19,700.0	89.41	359.93	10,852.4	9,169.8	313.6	9,175.1	0.00	0.00	0.00
19,800.0	89.41	359.93	10,853.4	9,269.8	313.5	9,275.0	0.00	0.00	0.00
19,900.0	89.41	359.93	10,854.4	9,369.8	313.3	9,375.0	0.00	0.00	0.00
20,000.0	89.41	359.93	10,855.4	9,469.8	313.2	9,474.9	0.00	0.00	0.00
20,100.0	89.41	359.93	10,856.5	9,569.8	313.1	9,574.9	0.00	0.00	0.00
20,200.0	89.41	359.93	10,857.5	9,669.8	313.0	9,674.8	0.00	0.00	0.00
20,300.0	89.41	359.93	10,858.5	9,769.8	312.9	9,774.8	0.00	0.00	0.00
20,400.0	89.41	359.93	10,859.5	9,869.8	312.8	9,874.7	0.00	0.00	0.00
20,500.0	89.41	359.93	10,860.6	9,969.8	312.6	9,974.6	0.00	0.00	0.00
20,600.0	89.41	359.93	10,861.6	10,069.8	312.5	10,074.6	0.00	0.00	0.00
20,700.0	89.41	359.93	10,862.6	10,169.8	312.4	10,174.5	0.00	0.00	0.00
20,800.0	89.41	359.93	10,863.6	10,269.7	312.3	10,274.5	0.00	0.00	0.00
20,900.0	89.41	359.93	10,864.6	10,369.7	312.2	10,374.4	0.00	0.00	0.00
21,000.0	89.41	359.93	10,865.7	10,469.7	312.1	10,474.4	0.00	0.00	0.00
21,100.0	89.41	359.93	10,866.7	10,569.7	311.9	10,574.3	0.00	0.00	0.00
21,130.4	89.41	359.93	10,867.0	10,600.1	311.9	10,604.7	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	10,764.0	577.0	323.3	377,006.40	592,638.70	32° 2' 10.150 N	104° 2' 3.757 W
- plan misses target center by 0.6usft at 11106.7usft MD (10764.6 TVD, 577.0 N, 323.6 E)									
- Circle (radius 50.0)									
LTP (TATER SALAD FEI	0.00	0.00	10,865.7	10,470.1	312.1	386,899.50	592,627.50	32° 3' 48.057 N	104° 2' 3.569 W
- plan hits target center									
- Point									
PBHL (TATER SALAD F	-0.59	179.93	10,867.0	10,600.1	311.9	387,029.50	592,627.30	32° 3' 49.344 N	104° 2' 3.567 W
- plan hits target center									
- Rectangle (sides W100.0 H10,032.0 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 1.00
2,500.0	2,499.4	12.5	17.9	Start DLS 2.00 TFO 62.42
2,717.4	2,715.4	19.6	40.7	Start 1648.2 hold at 2717.4 MD
4,365.6	4,347.6	44.0	268.8	Start Drop -1.00
5,165.6	5,145.0	50.0	324.2	Start 5141.6 hold at 5165.6 MD
10,307.2	10,286.6	50.0	324.2	Start DLS 12.00 TFO 359.93
11,052.3	10,764.0	522.6	323.6	Start 10078.0 hold at 11052.3 MD
21,130.4	10,867.0	10,600.1	311.9	TD at 21130.4

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Project: ATLAS PROSPECT (DBW)
Site: TATER SALAD & MOMBA FEDERAL
Well: TATER SALAD FEDERAL COM 902H
Wellbore: OWB
Design: PWP1
GL: 2913.0
RKB=32ft @ 2945.0usft

WELL DETAILS: TATER SALAD FEDERAL COM 902H

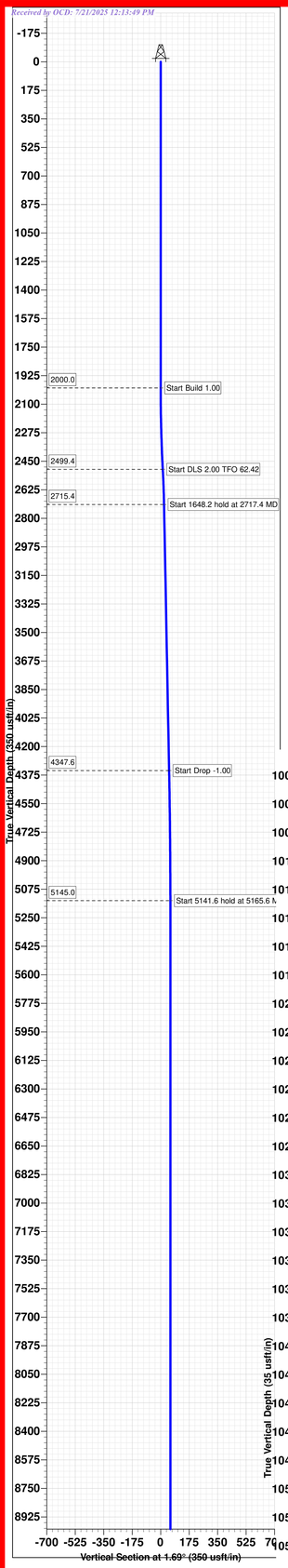
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	376429.40	592315.40	32° 2' 4.448 N	104° 2' 7.531 W

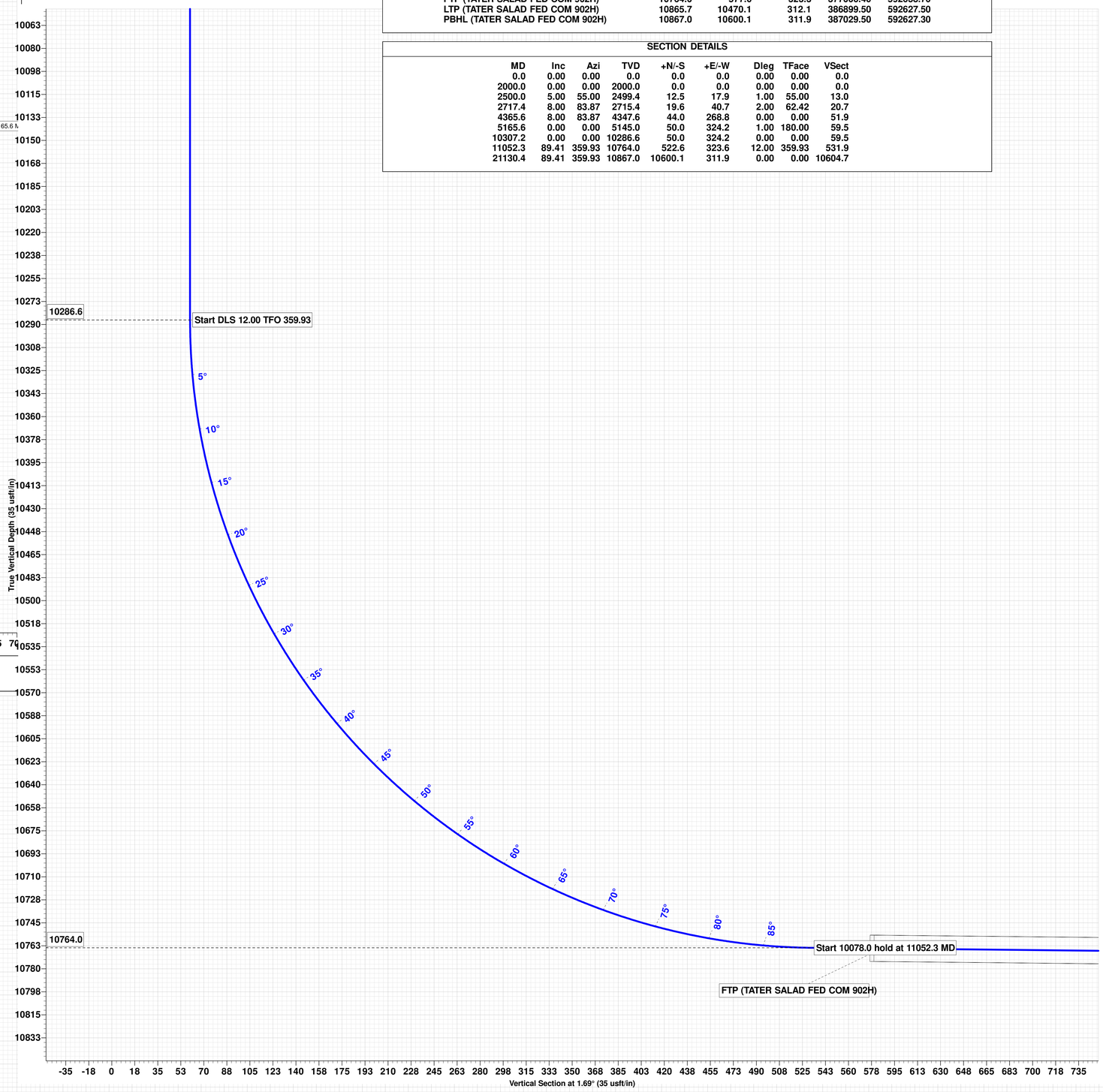
DESIGN TARGET DETAILS

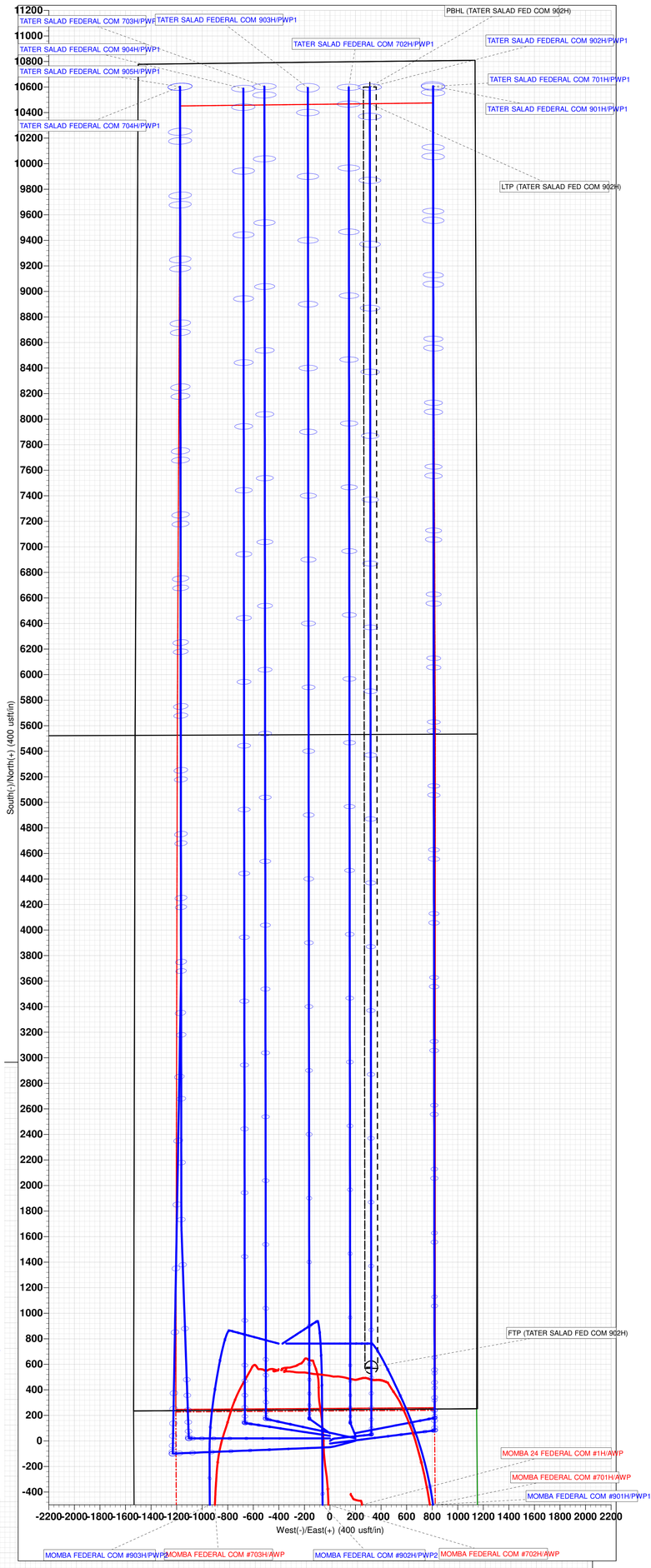
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 902H)	10764.0	577.0	323.3	377006.40	592638.70
LTP (TATER SALAD FED COM 902H)	10865.7	10470.1	312.1	386899.50	592627.50
PBHL (TATER SALAD FED COM 902H)	10867.0	10600.1	311.9	387029.50	592627.30

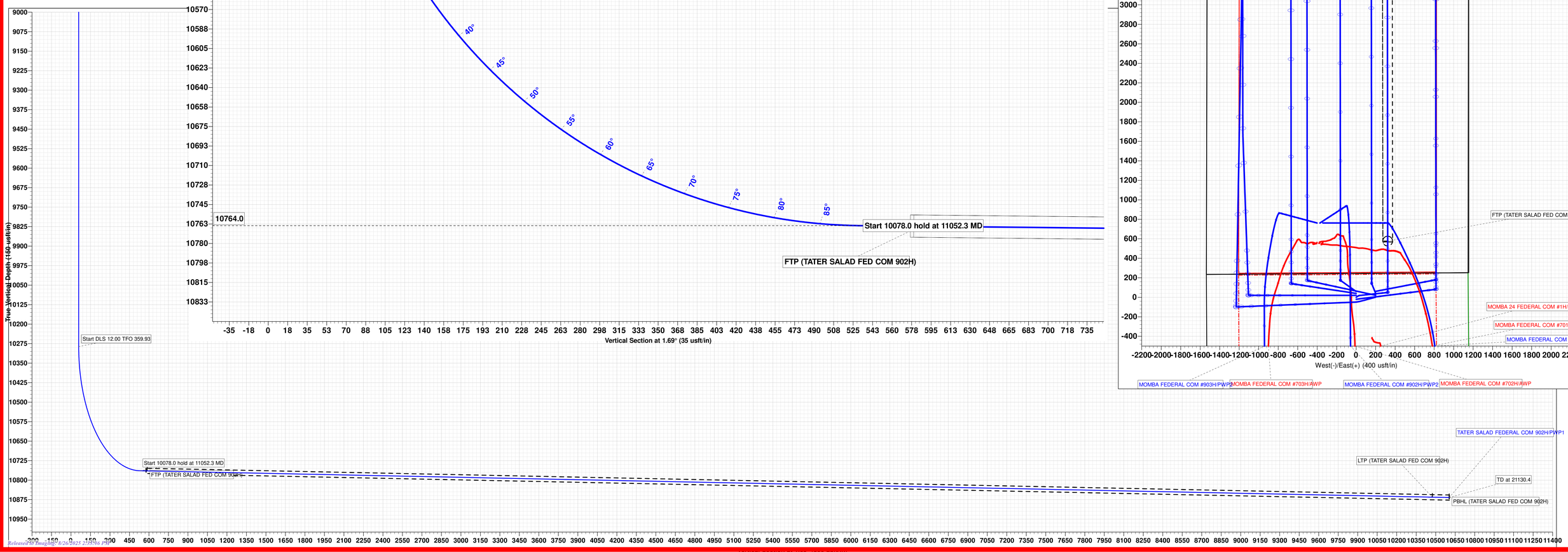
SECTION DETAILS

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
2500.0	5.00	55.00	2499.4	12.5	17.9	1.00	55.00	13.0
2717.4	8.00	83.87	2715.4	19.6	40.7	2.00	62.42	20.7
4365.6	8.00	83.87	4347.6	44.0	268.8	0.00	0.00	51.9
5165.6	0.00	0.00	5145.0	50.0	324.2	1.00	180.00	59.5
10307.2	0.00	0.00	10286.6	50.0	324.2	0.00	0.00	59.5
11052.3	89.41	359.93	10764.0	522.6	323.6	12.00	359.93	531.9
21130.4	89.41	359.93	10867.0	10600.1	311.9	0.00	0.00	10604.7









PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

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

COA

H2S	(•) 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

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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

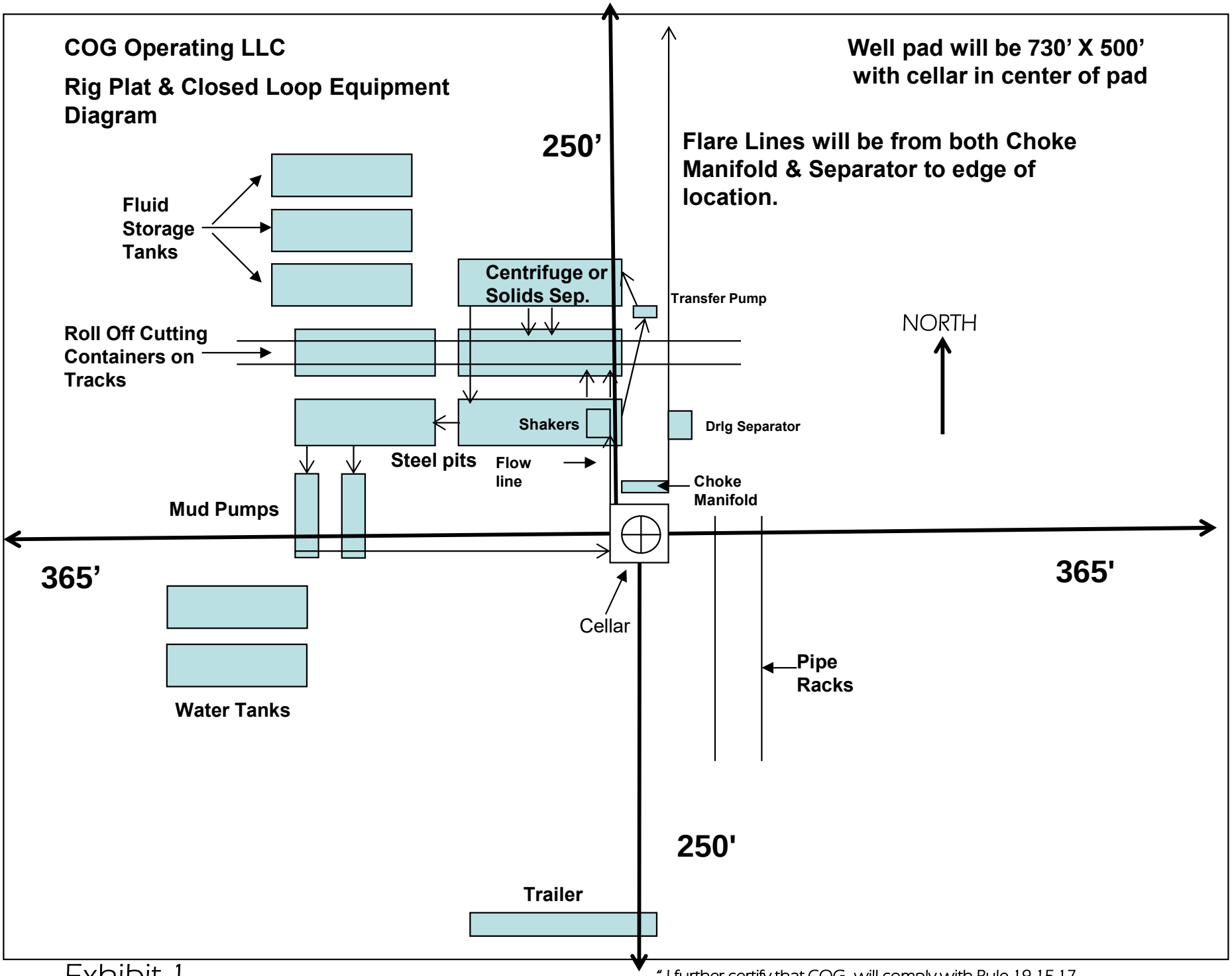


Exhibit 1

" 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 902H

1. Geologic Formations

TVD of target	10,800' EOL	Pilot hole depth	NA
MD at TD:	21,166'	Deepest expected fresh water:	0'

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

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	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	1.13	3.26	3.29
8.750"	7500	10243	7.625"	29.7	P110-ICY	W513	1.38	1.70	3.51	2.11
6.75"	0	10043	5.5"	23	P110-CY	BTC	2.06	2.40	3.16	3.16
6.75"	10043	21,166	5.5"	23	P110-CY	W441	1.92	2.23	2.93	2.67
					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	1.43	8.91	9.21
8.75"	2370	10243	7.625"	29.7	P110-ICY	W513	1.38	1.70	3.51	2.11
6.75"	0	10043	5.5"	23	P110-CY	BTC	2.06	2.40	3.16	3.16
6.75"	10043	21,166	5.5"	23	P110-CY	W441	1.92	2.23	2.93	2.67
				BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and
All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172

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

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

ConocoPhillips Company - TATER SALAD FED COM 902H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	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?	

ConocoPhillips Company - TATER SALAD FED COM 902H

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	750	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	630	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	840	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	9,743'	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
	840	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	9,993'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - TATER SALAD FED COM 902H

4. Pressure Control Equipment

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

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

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

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

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

ConocoPhillips Company - TATER SALAD FED COM 902H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	35-45	<20

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

5b. Contingency Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	9-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
9-5/8" Int shoe	7-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	35-45	<20

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7585 psi at 10800' 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

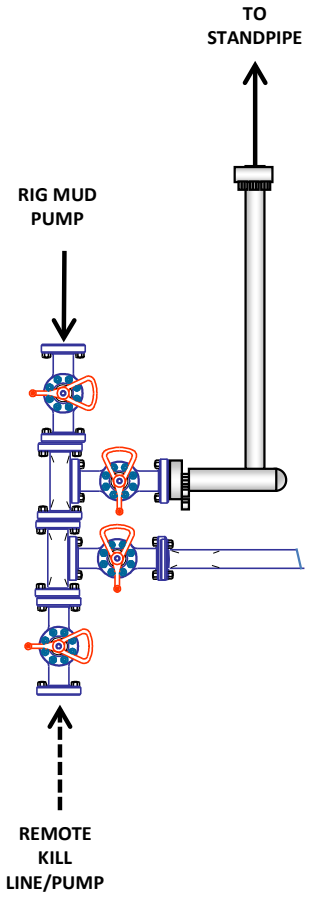
8. Other Facets of Operation

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

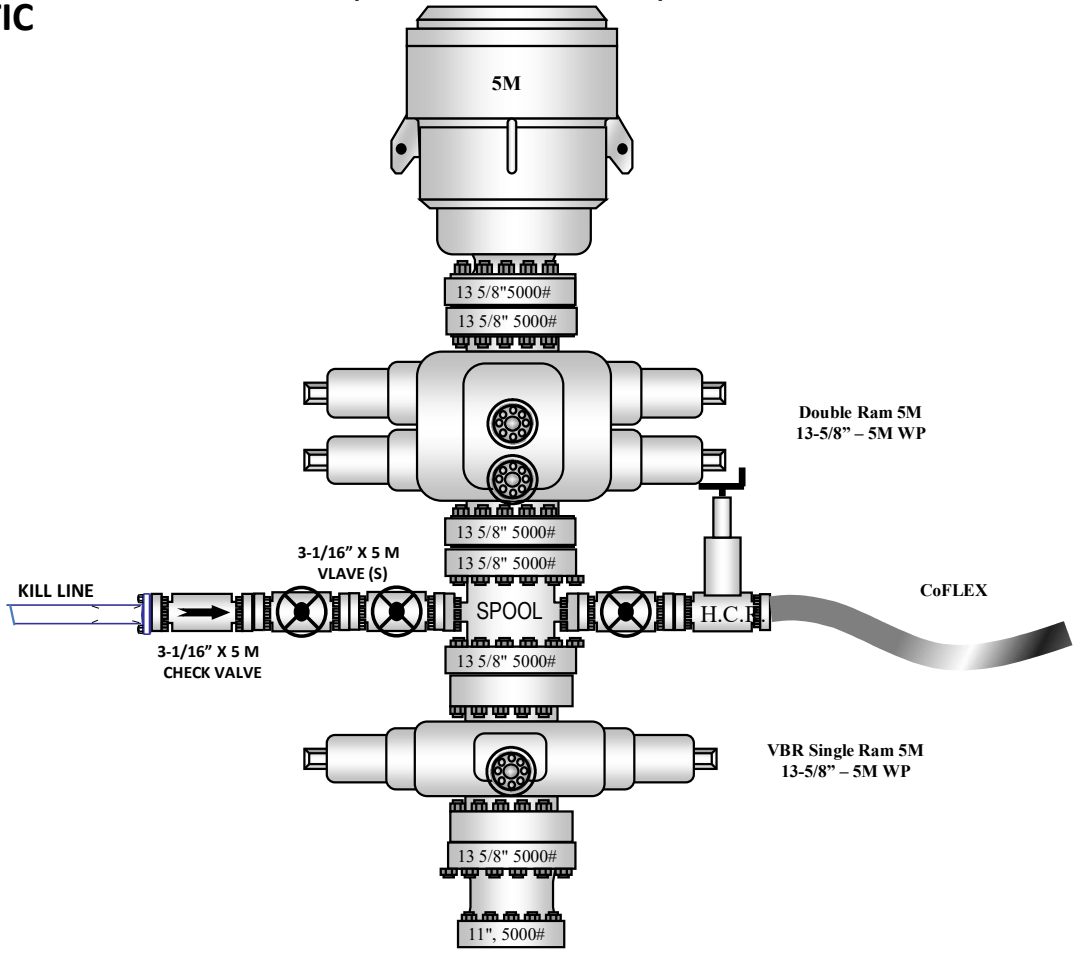
x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

5M BOP Stack

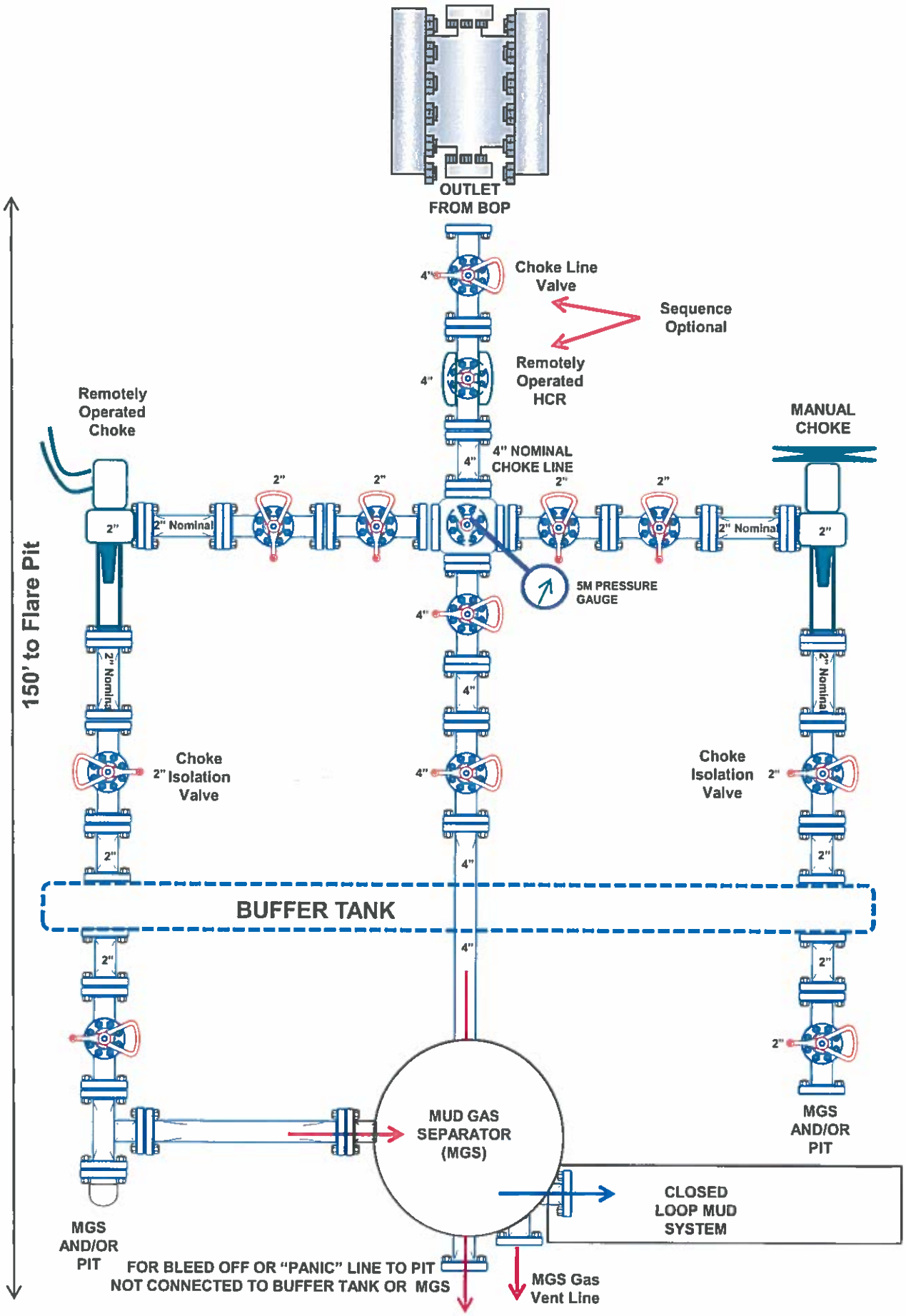
10M REMOTE KILL SCHEMATIC



5M BOP Stack
(2.5M Annular)

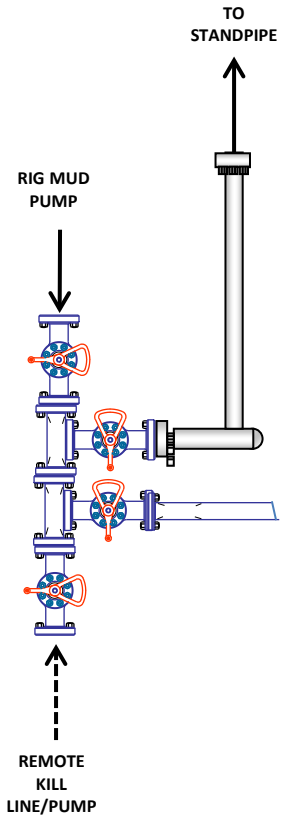


5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)

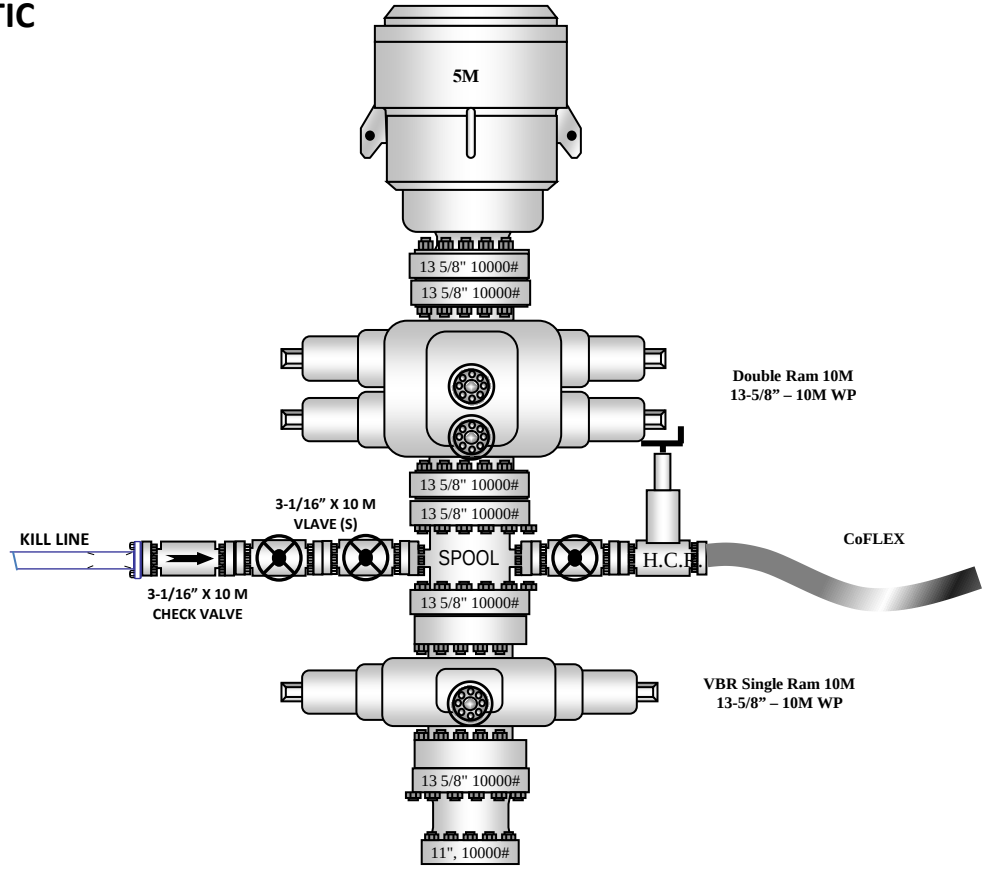


10M BOP Stack

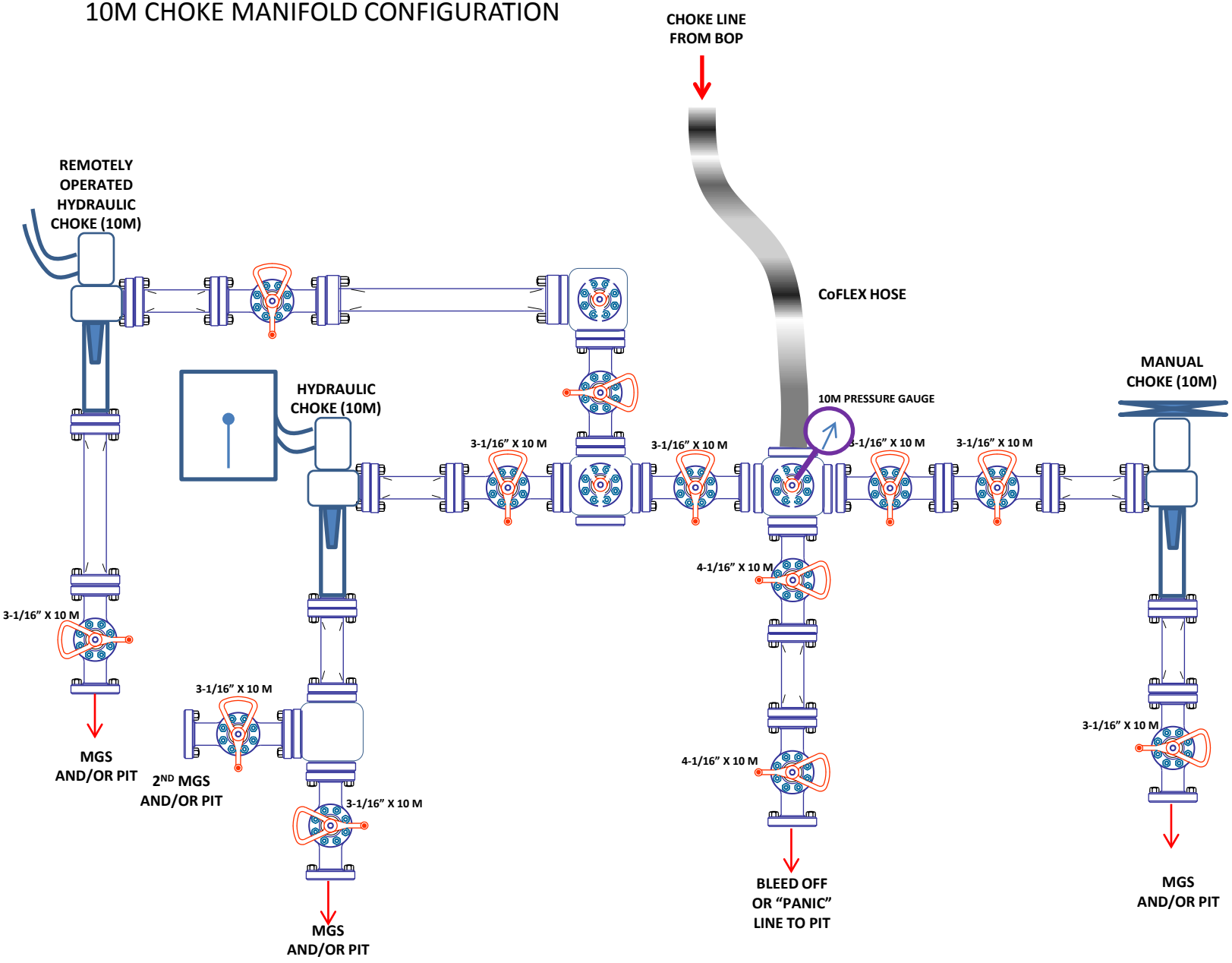
10M REMOTE KILL SCHEMATIC



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: 487076
	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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 487076
	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