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 703H

2. Name of Operator: COG OPERATING LLC

9. API Well No.: 30-015-57151

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 / 225 FNL / 950 FEL / LAT 32.03475 / LONG -104.035265

At proposed prod. zone: NWNE / 200 FNL / 1650 FEL / LAT 32.06381 / LONG -104.037473

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: 9630 feet / 19925 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 2914 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 / 225 FNL / 950 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.03475 / LONG: -104.035265 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 1650 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036269 / LONG: -104.037524 (TVD: 9565 feet, MD: 9834 feet)

PPP: SWNE / 1321 FNL / 1650 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046266 / LONG: -104.037505 (TVD: 9597 feet, MD: 13143 feet)

BHL: NWNE / 200 FNL / 1650 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.06381 / LONG: -104.037473 (TVD: 9630 feet, MD: 19925 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: 10400104476
Submission Date: 04/15/2025
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Number: 703H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400104476
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: 703H
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:** 703H

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_703H_C102_20250527153651.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	225	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03475	-104.035265	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2914			Y
KOP Leg #1	225	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03475	-104.035265	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2914	0	0	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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	1650	FEL	26S	28E	13	Aliquot SWSE	32.036269	-104.037524	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-6651	9834	9565	Y
PPP Leg #1-2	1321	FNL	1650	FEL	26S	28E	13	Aliquot SWNE	32.046266	-104.037505	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 117119	-6683	13143	9597	Y
EXIT Leg #1	330	FNL	1650	FEL	26S	28E	12	Aliquot NWNE	32.063453	-104.037473	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-6736	19736	9650	Y
BHL Leg #1	200	FNL	1650	FEL	26S	28E	12	Aliquot NWNE	32.06381	-104.037473	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-6716	19925	9630	Y

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

APD Print Report
07/21/2025

APD ID: 10400104476
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Type: OIL WELL

Submission Date: 04/15/2025
Federal/Indian APD: FED
Well Number: 703H
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User: MAYTE REYES
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM12559
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: COG OPERATING LLC
Operator letter of

Operator Info

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

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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:** 703H **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

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EXPLORATORY (WILDCAT)

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Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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	225	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03475	-104.035265	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2914			Y
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BHL Leg #1	200	FNL	1650	FEL	26S	28E	12	Aliquot NWNE	32.06381	-104.037473	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-6716	19925	9630	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002195	QUATERNARY	2914	0	0	ALLUVIUM	NONE	N
16002199	RUSTLER	2448	466	466	ALLUVIUM	NONE	N
16002200	TOP SALT	2318	596	596	SALT	NONE	N
16002201	BASE OF SALT	450	2464	2464	ANHYDRITE	NONE	N
16002206	LAMAR	252	2662	2662	LIMESTONE	NONE	N
16002207	BELL CANYON	203	2711	2711	LIMESTONE	NONE	N
16002202	CHERRY CANYON	-603	3517	3517	SANDSTONE	NATURAL GAS, OIL	N

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002208	BRUSHY CANYON	-1938	4852	4852	SANDSTONE	NATURAL GAS, OIL	N
16002203	BONE SPRING	-3459	6373	6373	SHALE	NATURAL GAS, OIL	N
16002204	BONE SPRING 1ST	-4358	7272	7272	SANDSTONE	NATURAL GAS, OIL	N
16002210	BONE SPRING 2ND	-5057	7971	7971	SANDSTONE	NATURAL GAS, OIL	N
16002198	BONE SPRING 3RD	-6203	9117	9117	SANDSTONE	NATURAL GAS, OIL	N
16002209	WOLFCAMP	-6557	9471	9471	SHALE	NATURAL GAS, OIL	Y
16002214		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002216		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 9630

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:** 703H

Pressure Rating (PSI): 5M **Rating Depth:** 9120

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	2914	2464	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	9120	0	9120	-6907	-6206	9120	OTHER - P110-ICY	29.7	OTHER - W513	1.55	1.91	DRY	2.37	DRY	3.
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	19925	0	9630	-6907	-6716	19925	OTHER - P110-CY	23	OTHER - W441	2.15	2.51	DRY	2.99	DRY	3.

Casing Attachments

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414223812.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_703H_Casing_Program_20250414223903.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414223944.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_703H_Casing_Program_20250414224037.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414224109.pdf

Section 4 - Cement

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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	9120	700	3.3	10.3	2310	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	9120	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		9630	19925	560	1.48	12.5	828	20	Lead: 50:50:10 H Blend	No additives
PRODUCTION	Tail		9630	19925	830	1.34	13.2	1112	20	Tail: 50:50:2 Class H Blend	No additives

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
450	9188	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
9188	19925	OIL-BASED MUD	9.6	13.5							OBM

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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: 6765 **Anticipated Surface Pressure:** 4641

Anticipated Bottom Hole Temperature(F): 155

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:** 703H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_703H_AC_Report_20250414224516.pdf
COG_Tater_Salad_703H_Directional_Plan_20250414224516.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_703H_Casing_Program_20250414224552.pdf
COG_Tater_Salad_703H_Drilling_Program_20250414224552.pdf
COG_Tater_Salad_703H_Cement_Program_20250414224553.pdf
COG_Tater_Salad_703H_GCP_20250415105317.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:** 703H

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:** 703H

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_703H_1_Mile_Data_20250414225408.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:** 703H

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:** 703H

Aquifer documentation:

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

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

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

Drilling method: **Drill material:**

Grout material: **Grout depth:**

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

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

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

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

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

Amount of waste: 6000 barrels

Waste disposal frequency : One Time Only

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

Safe containmant attachment:

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

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: GARBAGE

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

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

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

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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:** 703H

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:** 703H

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:** 703H

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:** 703H

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_703H_1_Mile_Data_20250414225444.pdf
COG_Tater_Salad_703H_C102_20250527153718.pdf

PWD

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

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:** 703H

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:** 703H

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:** 703H

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:** 703H

Payment

APD Fee Payment Method: PAY.GOV

pay.gov Tracking ID: 27NAEPQR

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- 57151	98220	Purple Sage; Wolfcamp, Gas	
Property Code 329866	Property Name TATER SALAD FEDERAL COM		Well Number 703H
OGRID No. 229137	Operator Name COG OPERATING LLC		Ground Level Elevation 2913.6'

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		225 FNL	950 FEL	32.034750°N	104.035265°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	12	26-S	28-E		200 FNL	1650 FEL	32.063810°N	104.037473°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Defining	Pending 703H	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		225 FNL	950 FEL	32.034750°N	104.035265°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	13	26-S	28-E		330 FSL	1650 FEL	32.036269°N	104.037524°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	12	26-S	28-E		330 FNL	1650 FEL	32.063453°N	104.037473°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
COM		2913.6'

OPERATOR CERTIFICATIONS

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

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

Signature Mayte Reyes Date 3/27/2025

Printed Name Mayte Reyes

Email Address mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 1/8/25

Signature and Seal of Professional Suveyor

Certificate Number 17777

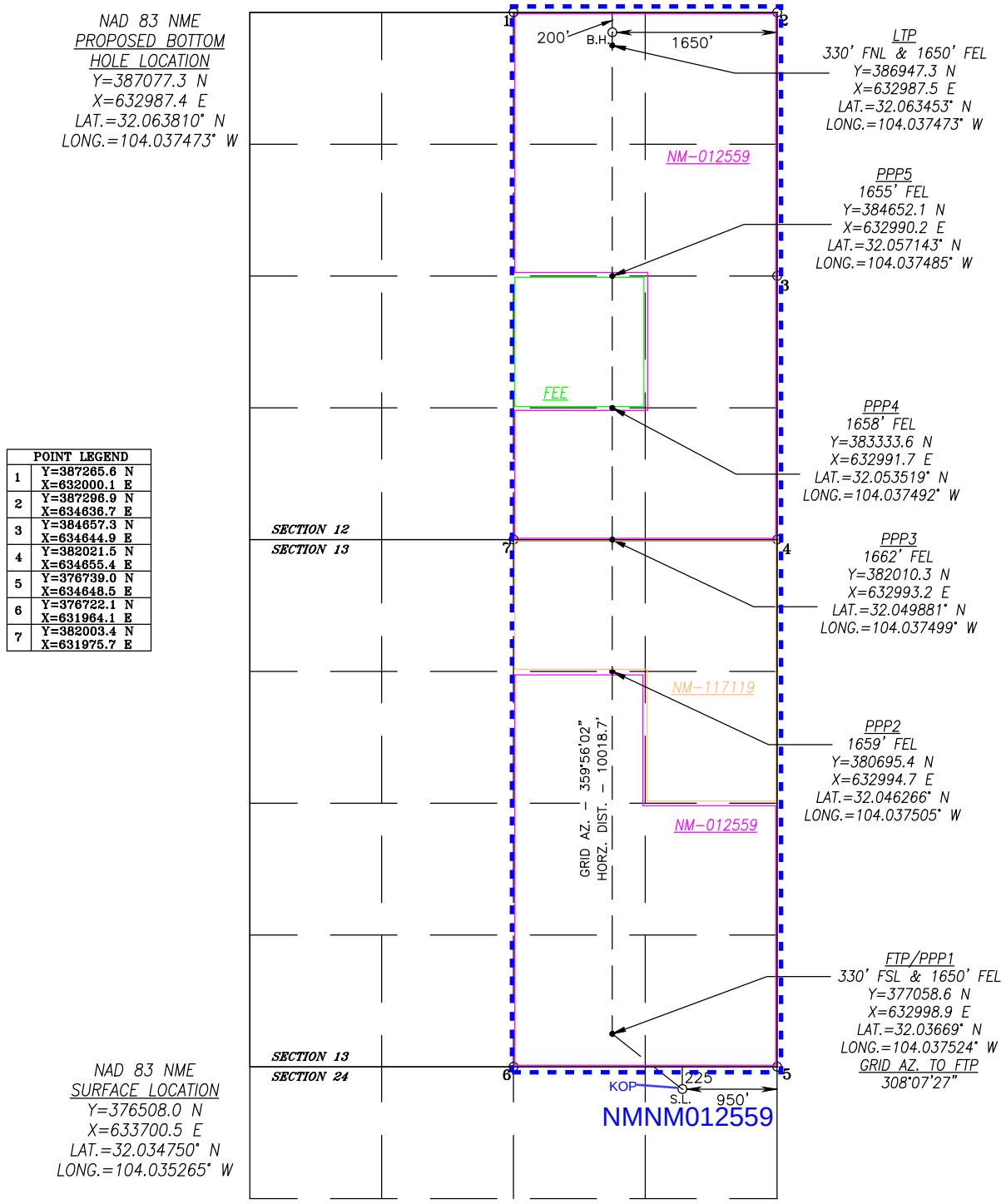
Date of Survey DECEMBER 23, 2024

W.O.#24-1301 | 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 703H	30-015-	A-24-26S-28E	225 FNL & 950 FEL	± 1251	± 4163	± 5353

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 703H	Pending	8/23/2026	± 25 days from spud	12/21/2026	12/31/26	1/5/27

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

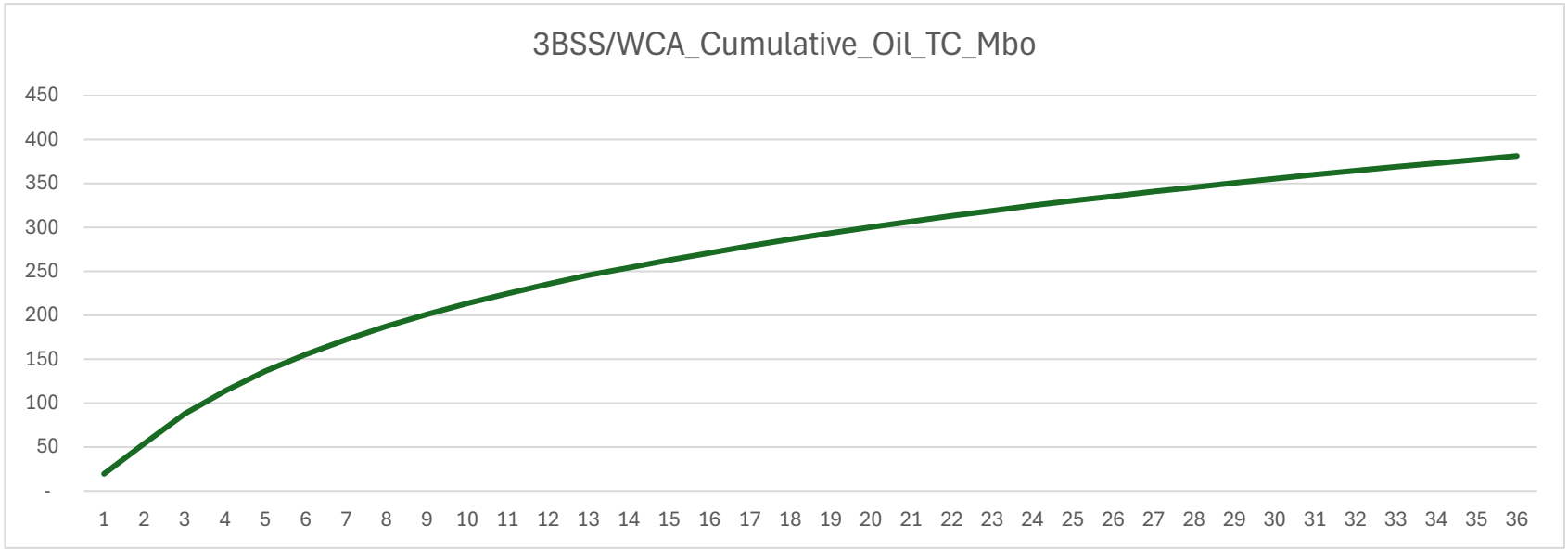
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

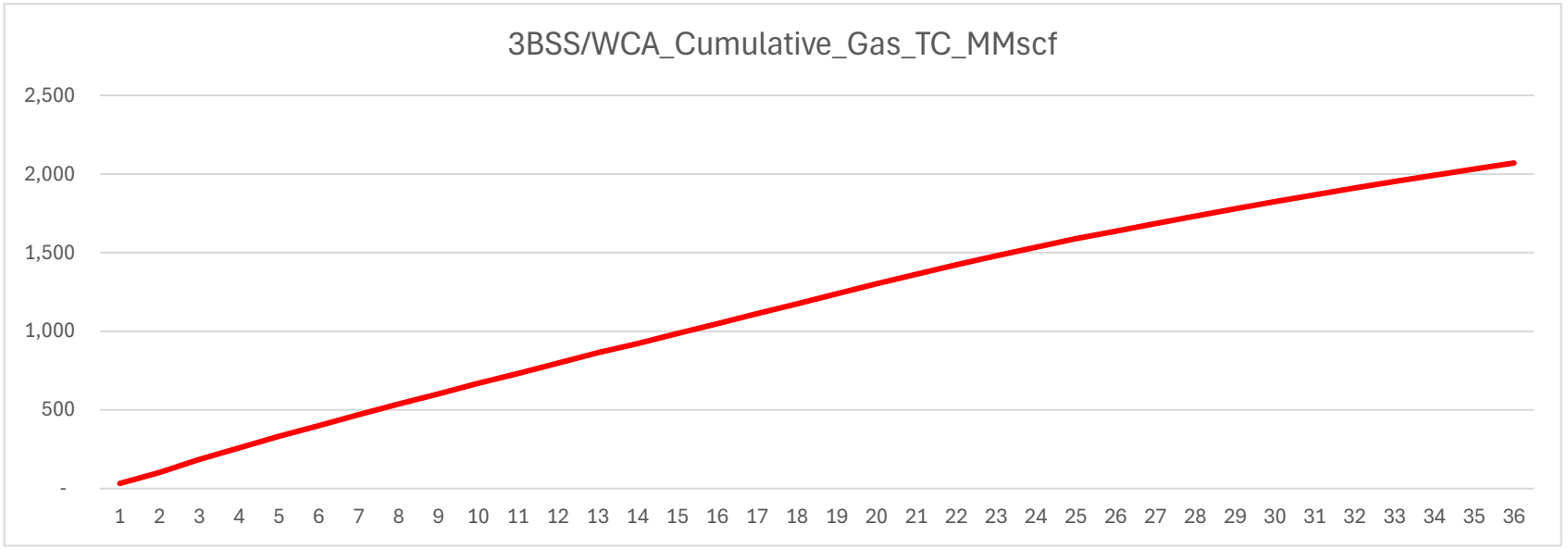
Signature:	Mayte Reyes
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coodinator
E-mail Address:	mayte.x.reyes@conocophillips.com
Date:	3/27/2025
Phone:	575-748-6945

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: 10400104476
Submission Date: 04/15/2025

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM
Well Number: 703H

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
16002195	QUATERNARY	2914	0	0	ALLUVIUM	NONE	N
16002199	RUSTLER	2448	466	466	ALLUVIUM	NONE	N
16002200	TOP SALT	2318	596	596	SALT	NONE	N
16002201	BASE OF SALT	450	2464	2464	ANHYDRITE	NONE	N
16002206	LAMAR	252	2662	2662	LIMESTONE	NONE	N
16002207	BELL CANYON	203	2711	2711	LIMESTONE	NONE	N
16002202	CHERRY CANYON	-603	3517	3517	SANDSTONE	NATURAL GAS, OIL	N
16002208	BRUSHY CANYON	-1938	4852	4852	SANDSTONE	NATURAL GAS, OIL	N
16002203	BONE SPRING	-3459	6373	6373	SHALE	NATURAL GAS, OIL	N
16002204	BONE SPRING 1ST	-4358	7272	7272	SANDSTONE	NATURAL GAS, OIL	N
16002210	BONE SPRING 2ND	-5057	7971	7971	SANDSTONE	NATURAL GAS, OIL	N
16002198	BONE SPRING 3RD	-6203	9117	9117	SANDSTONE	NATURAL GAS, OIL	N
16002209	WOLFCAMP	-6557	9471	9471	SHALE	NATURAL GAS, OIL	Y
16002214		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002216		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

Pressure Rating (PSI): 10M **Rating Depth:** 9630

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:** 9120

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:** 703H

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	2914	2464	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	9120	0	9120	-6907	-6206	9120	OTHER - P110-ICY	29.7	OTHER - W513	1.55	1.91	DRY	2.37	DRY	3.94
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	19925	0	9630	-6907	-6716	19925	OTHER - P110-CY	23	OTHER - W441	2.15	2.51	DRY	2.99	DRY	3.29

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414223812.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_703H_Casing_Program_20250414223903.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414223944.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_703H_Casing_Program_20250414224037.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_703H_Casing_Program_20250414224109.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	9120	700	3.3	10.3	2310	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	9120	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		9630	19925	560	1.48	12.5	828	20	Lead: 50:50:10 H Blend	No additives

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 703H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		9630	19925	830	1.34	13.2	1112	20	Tail: 50:50:2 Class H Blend	No additives

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
450	9188	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
9188	19925	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:** 703H

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: 6765 **Anticipated Surface Pressure:** 4641

Anticipated Bottom Hole Temperature(F): 155

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

COG_Tater_Salad_H2S_SUP_20250414152528.pdf

COG_Tater_Salad_H2S_Schem_20250414152526.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_703H_AC_Report_20250414224516.pdf

COG_Tater_Salad_703H_Directional_Plan_20250414224516.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:** 703H

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_703H_Casing_Program_20250414224552.pdf
COG_Tater_Salad_703H_Drilling_Program_20250414224552.pdf
COG_Tater_Salad_703H_Cement_Program_20250414224553.pdf
COG_Tater_Salad_703H_GCP_20250415105317.pdf

Other Variance request(s)?: N

Other Variance attachment:

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 703H
300154774700
OWB
PWP1

Anticollision Report

19 February, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 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 19,866.3usft	**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	9,161.2	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
9,161.2	19,866.3	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	10.3	436.6			
MOMBA 24 FEDERAL COM #1H - OWB - AWP	6,025.0	5,930.3	999.9	971.6	35.283 SF	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	6,727.3	6,656.0	536.9	506.7	17.749 CC	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	6,750.0	6,677.9	536.9	506.7	17.739 ES	
MOMBA 24 FEDERAL COM #3H - OWB - AWP	7,725.0	7,640.0	544.8	513.7	17.517 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	4,142.6	4,108.4	428.8	415.4	32.178 CC	
MOMBA FEDERAL COM #701H - OWB - AWP	4,150.0	4,115.6	428.8	415.4	32.140 ES	
MOMBA FEDERAL COM #701H - OWB - AWP	6,325.0	6,225.8	721.1	694.4	26.991 SF	
MOMBA FEDERAL COM #702H - OWB - AWP	9,650.0	9,573.6	413.1	379.8	12.381 SF	
MOMBA FEDERAL COM #702H - OWB - AWP	9,652.8	9,572.9	413.1	379.7	12.383 CC, ES	
MOMBA FEDERAL COM #703H - OWB - AWP	9,708.3	9,501.0	174.7	139.7	4.998 CC, ES, SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	4,670.1	4,608.7	648.6	633.3	42.398 CC	
MOMBA FEDERAL COM #901H - OWB - PWP1	4,700.0	4,637.4	648.7	633.3	42.190 ES	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,075.0	9,517.3	765.6	730.8	22.010 SF	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,174.8	9,546.7	363.9	330.0	10.726 CC	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,175.0	9,546.8	363.9	330.0	10.726 ES	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,200.0	9,547.9	364.8	330.7	10.708 SF	
MOMBA FEDERAL COM #903H - OWB - PWP2	10,100.0	9,552.6	231.5	197.0	6.709 SF	
MOMBA FEDERAL COM #903H - OWB - PWP2	10,112.5	9,553.0	231.1	196.8	6.735 CC, ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,043.7	2,043.6	40.0	30.7	4.308 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,075.0	2,074.8	40.0	30.7	4.279 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	2,125.0	2,124.5	40.3	30.8	4.249 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,157.3	2,157.2	19.5	9.9	2.029 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,175.0	2,174.9	19.6	9.9	2.026 Caution - Monitor Closely, ES, SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,500.0	1,500.0	19.9	12.2	2.571 Normal Operations, CC	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,525.0	1,525.0	19.9	12.1	2.552 Normal Operations, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,575.0	1,574.9	20.2	12.2	2.537 Normal Operations, SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	3,041.8	3,032.9	66.9	54.6	5.414 CC, ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	3,050.0	3,040.6	67.0	54.6	5.398 SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,939.6	2,932.2	26.0	13.8	2.132 Caution - Monitor Closely, CC, ES, SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	4,125.0	4,100.9	75.5	58.2	4.364 SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	4,200.0	4,174.4	73.4	56.7	4.409 ES	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	4,216.3	4,190.4	73.3	56.8	4.429 CC	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	5,578.3	5,541.3	130.7	96.6	3.836 CC	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	5,600.0	5,562.9	130.8	96.5	3.816 ES	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 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 904H - OWB - PWP1	5,825.0	5,791.4	135.6	99.6	3.764 SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,593.4	2,553.8	197.6	186.2	17.256 CC	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,600.0	2,559.9	197.6	186.1	17.205 ES	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	5,600.0	5,537.8	412.4	377.2	11.693 SF	

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-175.18	-435.0	-36.7	436.8				
25.0	25.0	10.3	10.3	0.5	3.0	-175.18	-435.0	-36.7	436.6				
50.0	50.0	33.8	33.8	0.5	3.0	-175.17	-435.1	-36.7	436.6	431.9	4.73	92.399	
75.0	75.0	57.3	57.3	0.5	3.0	-175.17	-435.2	-36.8	436.8	432.1	4.73	92.433	
100.0	100.0	80.8	80.8	0.5	3.0	-175.16	-435.5	-36.9	437.1	432.3	4.73	92.484	
125.0	125.0	104.6	104.6	0.6	3.0	-175.15	-435.8	-37.0	437.4	432.6	4.76	91.894	
150.0	150.0	129.7	129.7	0.8	3.0	-175.14	-436.1	-37.1	437.8	432.9	4.80	91.170	
175.0	175.0	154.7	154.7	0.9	3.0	-175.12	-436.5	-37.2	438.1	433.3	4.85	90.323	
200.0	200.0	179.8	179.8	1.0	3.0	-175.11	-436.8	-37.4	438.5	433.6	4.91	89.363	
225.0	225.0	204.8	204.7	1.1	3.0	-175.09	-437.2	-37.6	438.8	433.9	4.95	88.678	
250.0	250.0	229.4	229.4	1.2	3.0	-175.07	-437.5	-37.7	439.2	434.2	4.99	87.953	
275.0	275.0	254.1	254.1	1.3	3.0	-175.06	-437.9	-37.8	439.6	434.5	5.04	87.192	
300.0	300.0	278.8	278.7	1.4	3.0	-175.05	-438.3	-38.0	440.0	434.9	5.09	86.399	
325.0	325.0	303.4	303.4	1.4	3.0	-175.04	-438.7	-38.0	440.4	435.3	5.14	85.732	
350.0	350.0	328.0	327.9	1.5	3.0	-175.04	-439.1	-38.1	440.8	435.7	5.18	85.049	
375.0	375.0	352.5	352.5	1.6	3.0	-175.05	-439.6	-38.1	441.3	436.1	5.23	84.351	
400.0	400.0	377.1	377.0	1.6	3.0	-175.07	-440.1	-38.0	441.8	436.5	5.28	83.641	
425.0	425.0	400.0	400.0	1.7	3.0	-175.09	-440.6	-37.8	442.3	437.0	5.33	83.022	
450.0	450.0	425.6	425.6	1.8	3.0	-175.13	-441.2	-37.6	442.9	437.5	5.38	82.390	
475.0	475.0	449.6	449.6	1.8	3.0	-175.17	-441.8	-37.3	443.5	438.1	5.42	81.768	
500.0	500.0	473.6	473.5	1.9	3.0	-175.23	-442.5	-36.9	444.2	438.7	5.47	81.148	
525.0	525.0	497.6	497.5	1.9	3.0	-175.29	-443.2	-36.5	444.9	439.4	5.52	80.592	
550.0	550.0	522.4	522.2	2.0	3.1	-175.37	-444.0	-36.0	445.7	440.1	5.57	80.038	
575.0	575.0	547.2	547.1	2.1	3.1	-175.45	-444.8	-35.4	446.5	440.8	5.62	79.479	
600.0	600.0	572.0	571.9	2.1	3.1	-175.52	-445.6	-34.9	447.2	441.6	5.67	78.917	
625.0	625.0	596.8	596.7	2.2	3.1	-175.60	-446.5	-34.3	448.0	442.3	5.71	78.396	
650.0	650.0	622.6	622.4	2.2	3.1	-175.68	-447.3	-33.8	448.8	443.0	5.76	77.867	
675.0	675.0	648.5	648.3	2.3	3.1	-175.77	-448.1	-33.2	449.5	443.7	5.81	77.326	
700.0	700.0	674.4	674.2	2.3	3.1	-175.85	-448.9	-32.6	450.2	444.4	5.86	76.779	
725.0	725.0	700.3	700.1	2.4	3.1	-175.94	-449.6	-31.9	450.9	444.9	5.91	76.257	
750.0	750.0	724.6	724.3	2.4	3.1	-176.02	-450.2	-31.3	451.5	445.5	5.96	75.741	
775.0	775.0	748.9	748.6	2.5	3.1	-176.10	-450.9	-30.7	452.2	446.1	6.01	75.233	
800.0	800.0	773.1	772.8	2.5	3.1	-176.18	-451.7	-30.2	452.9	446.8	6.06	74.731	
825.0	825.0	797.4	797.1	2.6	3.1	-176.26	-452.4	-29.6	453.6	447.5	6.11	74.262	
850.0	850.0	821.8	821.5	2.6	3.1	-176.34	-453.2	-29.0	454.4	448.2	6.16	73.793	
875.0	875.0	846.3	845.9	2.6	3.1	-176.41	-454.1	-28.5	455.2	449.0	6.21	73.328	
900.0	900.0	870.7	870.4	2.7	3.2	-176.48	-454.9	-28.0	456.0	449.8	6.26	72.869	
925.0	925.0	895.2	894.8	2.7	3.2	-176.55	-455.8	-27.5	456.9	450.6	6.31	72.436	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
950.0	950.0	920.5	920.1	2.8	3.2	-176.61	-456.7	-27.0	457.8	451.4	6.36	71.996	
975.0	975.0	946.1	945.6	2.8	3.2	-176.68	-457.6	-26.6	458.7	452.2	6.41	71.550	
1,000.0	1,000.0	971.6	971.2	2.9	3.2	-176.74	-458.5	-26.1	459.5	453.0	6.46	71.101	
1,025.0	1,025.0	997.2	996.7	2.9	3.2	-176.80	-459.3	-25.7	460.3	453.8	6.51	70.666	
1,050.0	1,050.0	1,022.7	1,022.2	3.0	3.2	-176.86	-460.1	-25.3	461.0	454.5	6.56	70.228	
1,075.0	1,075.0	1,048.1	1,047.6	3.0	3.2	-176.91	-460.9	-24.9	461.8	455.1	6.62	69.788	
1,100.0	1,100.0	1,073.6	1,073.1	3.0	3.2	-176.96	-461.6	-24.5	462.5	455.8	6.67	69.346	
1,125.0	1,125.0	1,099.1	1,098.6	3.1	3.3	-177.01	-462.4	-24.1	463.2	456.4	6.72	68.916	
1,150.0	1,150.0	1,124.1	1,123.6	3.1	3.3	-177.06	-463.1	-23.8	463.8	457.1	6.77	68.489	
1,175.0	1,175.0	1,149.2	1,148.6	3.2	3.3	-177.11	-463.7	-23.4	464.5	457.7	6.82	68.064	
1,200.0	1,200.0	1,174.2	1,173.6	3.2	3.3	-177.16	-464.4	-23.1	465.2	458.3	6.88	67.642	
1,225.0	1,225.0	1,199.2	1,198.6	3.2	3.3	-177.21	-465.1	-22.7	465.8	458.9	6.93	67.233	
1,250.0	1,250.0	1,225.0	1,224.4	3.3	3.3	-177.25	-465.8	-22.4	466.5	459.5	6.98	66.818	
1,275.0	1,275.0	1,250.8	1,250.2	3.3	3.3	-177.29	-466.4	-22.0	467.1	460.0	7.03	66.399	
1,300.0	1,300.0	1,276.5	1,275.9	3.4	3.4	-177.33	-467.0	-21.8	467.6	460.5	7.09	65.978	
1,325.0	1,325.0	1,302.3	1,301.7	3.4	3.4	-177.37	-467.6	-21.5	468.1	461.0	7.14	65.563	
1,350.0	1,350.0	1,327.3	1,326.7	3.4	3.4	-177.40	-468.1	-21.3	468.6	461.5	7.19	65.151	
1,375.0	1,375.0	1,352.4	1,351.8	3.5	3.4	-177.43	-468.6	-21.1	469.1	461.9	7.25	64.743	
1,400.0	1,400.0	1,377.5	1,376.8	3.5	3.4	-177.46	-469.1	-20.8	469.6	462.3	7.30	64.337	
1,425.0	1,425.0	1,402.6	1,402.0	3.6	3.4	-177.49	-469.6	-20.6	470.1	462.8	7.35	63.942	
1,450.0	1,450.0	1,428.8	1,428.1	3.6	3.4	-177.52	-470.1	-20.3	470.6	463.2	7.40	63.552	
1,475.0	1,475.0	1,454.9	1,454.3	3.6	3.5	-177.56	-470.5	-20.0	471.0	463.5	7.46	63.156	
1,500.0	1,500.0	1,481.1	1,480.4	3.7	3.5	-177.60	-470.8	-19.7	471.3	463.8	7.51	62.755	
1,525.0	1,525.0	1,506.9	1,506.3	3.7	3.5	-177.65	-471.1	-19.4	471.5	464.0	7.56	62.360	
1,550.0	1,550.0	1,532.0	1,531.3	3.8	3.5	-177.68	-471.4	-19.1	471.8	464.2	7.61	61.976	
1,575.0	1,575.0	1,557.0	1,556.3	3.8	3.5	-177.72	-471.7	-18.8	472.0	464.4	7.66	61.594	
1,600.0	1,600.0	1,582.0	1,581.4	3.8	3.5	-177.75	-471.9	-18.5	472.3	464.6	7.72	61.215	
1,625.0	1,625.0	1,607.0	1,606.4	3.9	3.6	-177.78	-472.2	-18.3	472.5	464.8	7.77	60.843	
1,650.0	1,650.0	1,631.9	1,631.3	3.9	3.6	-177.81	-472.4	-18.1	472.8	465.0	7.82	60.470	
1,675.0	1,675.0	1,656.8	1,656.2	3.9	3.6	-177.84	-472.7	-17.8	473.0	465.2	7.87	60.101	
1,700.0	1,700.0	1,681.7	1,681.1	4.0	3.6	-177.87	-472.9	-17.6	473.3	465.4	7.92	59.736	
1,725.0	1,725.0	1,706.6	1,705.9	4.0	3.6	-177.89	-473.2	-17.4	473.6	465.6	7.98	59.378	
1,750.0	1,750.0	1,731.3	1,730.6	4.1	3.6	-177.91	-473.5	-17.2	473.8	465.8	8.03	59.018	
1,775.0	1,775.0	1,756.0	1,755.3	4.1	3.7	-177.93	-473.8	-17.1	474.1	466.0	8.08	58.664	
1,800.0	1,800.0	1,780.8	1,780.1	4.1	3.7	-177.95	-474.1	-17.0	474.4	466.3	8.14	58.314	
1,825.0	1,825.0	1,805.5	1,804.8	4.2	3.7	-177.96	-474.4	-16.9	474.7	466.6	8.19	57.972	
1,850.0	1,850.0	1,830.3	1,829.6	4.2	3.7	-177.98	-474.7	-16.8	475.1	466.8	8.24	57.629	
1,875.0	1,875.0	1,855.1	1,854.4	4.2	3.7	-177.99	-475.1	-16.7	475.4	467.1	8.30	57.290	
1,900.0	1,900.0	1,879.9	1,879.2	4.3	3.8	-178.00	-475.4	-16.6	475.8	467.4	8.35	56.956	
1,925.0	1,925.0	1,904.8	1,904.1	4.3	3.8	-178.01	-475.8	-16.5	476.1	467.7	8.41	56.633	
1,950.0	1,950.0	1,930.4	1,929.7	4.3	3.8	-178.03	-476.2	-16.3	476.5	468.0	8.46	56.326	
1,975.0	1,975.0	1,955.9	1,955.2	4.4	3.8	-178.08	-476.5	-16.0	476.8	468.3	8.51	56.018	
2,000.0	2,000.0	1,981.4	1,980.7	4.4	3.8	-178.14	-476.8	-15.5	477.1	468.5	8.56	55.709	
2,025.0	2,025.0	2,006.8	2,006.1	4.4	3.9	-100.40	-477.1	-14.9	477.4	468.8	8.61	55.455	
2,050.0	2,050.0	2,031.9	2,031.1	4.5	3.9	-100.52	-477.4	-14.1	477.7	469.0	8.65	55.229	
2,075.0	2,075.0	2,056.9	2,056.1	4.5	3.9	-100.69	-477.7	-13.2	478.0	469.4	8.69	55.007	
2,100.0	2,100.0	2,081.9	2,081.1	4.5	3.9	-100.89	-477.9	-12.2	478.4	469.7	8.73	54.790	
2,125.0	2,125.0	2,106.6	2,105.8	4.6	3.9	-101.13	-478.2	-11.1	478.9	470.1	8.79	54.493	
2,150.0	2,149.9	2,130.6	2,129.8	4.6	3.9	-101.38	-478.5	-10.0	479.4	470.6	8.84	54.208	
2,175.0	2,174.9	2,154.6	2,153.7	4.7	4.0	-101.66	-478.9	-9.0	480.0	471.1	8.90	53.935	
2,200.0	2,199.8	2,178.5	2,177.6	4.7	4.0	-101.95	-479.2	-7.9	480.8	471.8	8.96	53.674	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,225.0	2,224.8	2,202.5	2,201.6	4.7	4.0	-102.27	-479.7	-6.8	481.6	472.6	9.01	53.429	
2,250.0	2,249.7	2,227.0	2,226.1	4.8	4.0	-102.62	-480.1	-5.7	482.6	473.5	9.07	53.187	
2,275.0	2,274.6	2,251.5	2,250.5	4.8	4.0	-103.01	-480.6	-4.4	483.6	474.4	9.13	52.954	
2,300.0	2,299.5	2,275.9	2,274.9	4.9	4.0	-103.43	-481.1	-3.1	484.7	475.5	9.19	52.729	
2,325.0	2,324.3	2,300.0	2,298.9	4.9	4.1	-103.87	-481.6	-1.6	485.9	476.6	9.25	52.514	
2,350.0	2,349.1	2,324.6	2,323.4	5.0	4.1	-104.36	-482.1	0.0	487.2	477.9	9.31	52.309	
2,375.0	2,373.9	2,348.8	2,347.6	5.1	4.1	-104.86	-482.6	1.6	488.6	479.3	9.38	52.113	
2,400.0	2,398.7	2,372.9	2,371.7	5.1	4.1	-105.40	-483.2	3.3	490.2	480.7	9.44	51.928	
2,425.0	2,423.4	2,397.0	2,395.7	5.2	4.1	-105.95	-483.7	5.0	491.8	482.3	9.50	51.749	
2,450.0	2,448.2	2,422.2	2,420.8	5.3	4.1	-106.56	-484.3	6.9	493.6	484.0	9.57	51.574	
2,475.0	2,472.8	2,447.6	2,446.2	5.4	4.2	-107.18	-484.8	8.7	495.5	485.8	9.64	51.403	
2,500.0	2,497.5	2,473.0	2,471.5	5.5	4.2	-107.81	-485.2	10.5	497.4	487.7	9.71	51.235	
2,525.0	2,522.1	2,498.4	2,496.8	5.5	4.2	-108.46	-485.6	12.2	499.4	489.6	9.77	51.135	
2,550.0	2,546.6	2,523.2	2,521.6	5.6	4.2	-109.09	-486.0	13.8	501.5	491.6	9.82	51.045	
2,575.0	2,571.1	2,548.0	2,546.3	5.7	4.2	-109.74	-486.3	15.3	503.7	493.8	9.88	50.960	
2,600.0	2,595.6	2,572.8	2,571.1	5.7	4.3	-110.42	-486.6	16.8	505.9	496.0	9.93	50.964	
2,625.0	2,620.1	2,597.6	2,595.9	5.8	4.3	-111.09	-486.9	18.1	508.3	498.3	10.00	50.804	
2,650.0	2,644.6	2,622.9	2,621.1	5.9	4.3	-111.75	-487.2	19.4	510.6	500.5	10.08	50.645	
2,675.0	2,669.1	2,648.2	2,646.4	5.9	4.3	-112.40	-487.4	20.6	513.0	502.8	10.16	50.485	
2,700.0	2,693.6	2,673.6	2,671.8	6.0	4.3	-113.04	-487.6	21.7	515.3	505.1	10.24	50.326	
2,725.0	2,718.1	2,699.1	2,697.2	6.1	4.3	-113.66	-487.8	22.7	517.7	507.4	10.32	50.169	
2,750.0	2,742.6	2,723.4	2,721.5	6.2	4.4	-114.24	-488.0	23.5	520.1	509.7	10.40	50.019	
2,775.0	2,767.1	2,747.8	2,745.9	6.3	4.4	-114.81	-488.1	24.4	522.6	512.1	10.48	49.872	
2,800.0	2,791.6	2,772.1	2,770.2	6.4	4.4	-115.38	-488.2	25.3	525.1	514.5	10.56	49.728	
2,825.0	2,816.1	2,796.4	2,794.5	6.4	4.4	-115.95	-488.4	26.1	527.6	517.0	10.64	49.579	
2,850.0	2,840.6	2,821.3	2,819.4	6.5	4.4	-116.52	-488.5	27.0	530.2	519.5	10.73	49.430	
2,875.0	2,865.1	2,846.4	2,844.4	6.6	4.5	-117.08	-488.6	27.8	532.8	522.0	10.81	49.280	
2,900.0	2,889.6	2,871.4	2,869.4	6.7	4.5	-117.64	-488.7	28.6	535.5	524.6	10.90	49.129	
2,925.0	2,914.1	2,896.5	2,894.5	6.8	4.5	-118.18	-488.8	29.3	538.1	527.1	10.99	48.970	
2,950.0	2,938.6	2,921.1	2,919.1	6.9	4.5	-118.71	-488.9	30.0	540.8	529.7	11.08	48.816	
2,975.0	2,963.1	2,945.6	2,943.6	7.0	4.5	-119.23	-488.9	30.7	543.5	532.3	11.17	48.664	
3,000.0	2,987.6	2,970.1	2,968.0	7.1	4.6	-119.74	-489.0	31.3	546.2	535.0	11.26	48.513	
3,025.0	3,012.1	2,994.6	2,992.5	7.2	4.6	-120.25	-489.0	32.0	549.0	537.7	11.35	48.357	
3,050.0	3,036.6	3,019.1	3,017.1	7.2	4.6	-120.76	-489.0	32.6	551.9	540.4	11.45	48.202	
3,075.0	3,061.1	3,043.7	3,041.7	7.3	4.6	-121.25	-489.1	33.3	554.7	543.2	11.54	48.048	
3,100.0	3,085.6	3,068.3	3,066.3	7.4	4.6	-121.74	-489.1	33.9	557.6	546.0	11.64	47.894	
3,125.0	3,110.1	3,092.9	3,090.9	7.5	4.7	-122.23	-489.2	34.4	560.5	548.8	11.74	47.736	
3,150.0	3,134.6	3,117.8	3,115.7	7.6	4.7	-122.71	-489.2	35.0	563.5	551.6	11.84	47.579	
3,175.0	3,159.1	3,142.8	3,140.7	7.7	4.7	-123.18	-489.2	35.5	566.4	554.5	11.94	47.422	
3,200.0	3,183.6	3,167.7	3,165.6	7.8	4.7	-123.65	-489.2	36.0	569.4	557.3	12.05	47.264	
3,225.0	3,208.1	3,192.7	3,190.6	7.9	4.7	-124.12	-489.2	36.5	572.4	560.2	12.15	47.101	
3,250.0	3,232.6	3,217.3	3,215.2	8.0	4.8	-124.57	-489.1	37.0	575.4	563.1	12.26	46.941	
3,275.0	3,257.1	3,241.8	3,239.7	8.1	4.8	-125.01	-489.1	37.5	578.4	566.0	12.36	46.783	
3,300.0	3,281.6	3,266.2	3,264.1	8.2	4.8	-125.45	-489.1	37.9	581.5	569.0	12.47	46.628	
3,325.0	3,306.1	3,290.7	3,288.6	8.3	4.8	-125.88	-489.0	38.3	584.6	572.0	12.58	46.469	
3,350.0	3,330.6	3,315.0	3,312.9	8.4	4.8	-126.30	-489.0	38.7	587.7	575.0	12.69	46.311	
3,375.0	3,355.1	3,339.3	3,337.1	8.5	4.9	-126.71	-489.0	39.1	590.8	578.0	12.80	46.154	
3,400.0	3,379.6	3,363.5	3,361.4	8.6	4.9	-127.12	-489.0	39.4	594.1	581.1	12.91	46.000	
3,425.0	3,404.1	3,387.7	3,385.6	8.7	4.9	-127.53	-489.0	39.8	597.3	584.3	13.03	45.844	
3,450.0	3,428.6	3,412.1	3,410.0	8.8	4.9	-127.93	-489.1	40.2	600.6	587.4	13.15	45.688	
3,475.0	3,453.1	3,436.9	3,434.7	8.9	4.9	-128.34	-489.1	40.6	603.9	590.6	13.26	45.530	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,500.0	3,477.6	3,461.6	3,459.5	9.0	5.0	-128.73	-489.1	40.9	607.2	593.8	13.38	45.372	
3,525.0	3,502.1	3,486.3	3,484.2	9.1	5.0	-129.12	-489.1	41.2	610.5	597.0	13.50	45.213	
3,550.0	3,526.6	3,511.1	3,509.0	9.2	5.0	-129.50	-489.1	41.5	613.9	600.3	13.63	45.053	
3,575.0	3,551.1	3,535.9	3,533.7	9.3	5.0	-129.88	-489.2	41.8	617.2	603.5	13.75	44.893	
3,600.0	3,575.6	3,560.7	3,558.5	9.4	5.1	-130.25	-489.2	42.0	620.6	606.7	13.87	44.734	
3,625.0	3,600.1	3,585.5	3,583.4	9.5	5.1	-130.62	-489.2	42.2	624.0	610.0	14.00	44.574	
3,650.0	3,624.6	3,610.1	3,607.9	9.6	5.1	-130.97	-489.2	42.4	627.4	613.3	14.13	44.414	
3,675.0	3,649.1	3,634.3	3,632.2	9.8	5.1	-131.32	-489.3	42.5	630.8	616.6	14.25	44.258	
3,700.0	3,673.6	3,658.5	3,656.4	9.9	5.1	-131.66	-489.3	42.7	634.3	619.9	14.38	44.104	
3,725.0	3,698.1	3,682.8	3,680.6	10.0	5.2	-131.99	-489.4	42.8	637.8	623.3	14.51	43.949	
3,750.0	3,722.6	3,707.0	3,704.9	10.1	5.2	-132.33	-489.4	43.0	641.3	626.7	14.64	43.796	
3,775.0	3,747.1	3,731.4	3,729.2	10.2	5.2	-132.66	-489.5	43.2	644.9	630.1	14.78	43.642	
3,800.0	3,771.6	3,755.7	3,753.6	10.3	5.2	-132.99	-489.6	43.3	648.4	633.5	14.91	43.490	
3,825.0	3,796.1	3,780.1	3,777.9	10.4	5.3	-133.31	-489.7	43.5	652.0	637.0	15.04	43.339	
3,850.0	3,820.6	3,804.5	3,802.3	10.5	5.3	-133.63	-489.8	43.6	655.7	640.5	15.18	43.189	
3,875.0	3,845.1	3,829.3	3,827.2	10.6	5.3	-133.95	-489.9	43.7	659.3	644.0	15.32	43.037	
3,900.0	3,869.5	3,854.2	3,852.0	10.7	5.4	-134.26	-489.9	43.9	662.9	647.5	15.46	42.886	
3,925.0	3,894.0	3,879.0	3,876.9	10.8	5.4	-134.58	-490.0	44.0	666.6	651.0	15.60	42.734	
3,950.0	3,918.5	3,903.8	3,901.7	10.9	5.4	-134.89	-490.1	44.1	670.2	654.5	15.74	42.584	
3,975.0	3,943.0	3,928.3	3,926.2	11.0	5.4	-135.19	-490.1	44.2	673.9	658.0	15.88	42.437	
4,000.0	3,967.5	3,952.8	3,950.7	11.1	5.5	-135.49	-490.2	44.3	677.6	661.6	16.02	42.293	
4,025.0	3,992.0	3,977.3	3,975.2	11.2	5.5	-135.78	-490.3	44.4	681.3	665.1	16.16	42.149	
4,050.0	4,016.5	4,001.8	3,999.7	11.4	5.5	-136.07	-490.3	44.4	685.0	668.7	16.31	42.007	
4,075.0	4,041.0	4,025.8	4,023.7	11.5	5.5	-136.35	-490.4	44.5	688.8	672.3	16.45	41.872	
4,100.0	4,065.5	4,049.8	4,047.7	11.6	5.6	-136.63	-490.5	44.6	692.6	676.0	16.59	41.741	
4,125.0	4,090.0	4,073.8	4,071.7	11.7	5.6	-136.90	-490.7	44.6	696.4	679.6	16.74	41.611	
4,150.0	4,114.5	4,097.9	4,095.7	11.8	5.6	-137.16	-490.8	44.7	700.2	683.3	16.88	41.485	
4,175.0	4,139.0	4,122.3	4,120.1	11.9	5.6	-137.43	-491.0	44.7	704.1	687.1	17.02	41.361	
4,200.0	4,163.5	4,146.8	4,144.6	12.0	5.7	-137.69	-491.2	44.7	708.0	690.8	17.17	41.240	
4,225.0	4,188.0	4,171.2	4,169.1	12.1	5.7	-137.95	-491.4	44.7	711.9	694.6	17.31	41.119	
4,250.0	4,212.5	4,195.7	4,193.6	12.2	5.7	-138.21	-491.6	44.7	715.8	698.3	17.46	41.001	
4,275.0	4,237.0	4,220.1	4,217.9	12.3	5.7	-138.46	-491.8	44.8	719.7	702.1	17.60	40.885	
4,300.0	4,261.5	4,244.4	4,242.2	12.4	5.7	-138.71	-492.0	44.8	723.7	705.9	17.75	40.772	
4,325.0	4,286.0	4,268.7	4,266.6	12.6	5.8	-138.95	-492.2	44.8	727.6	709.7	17.90	40.660	
4,350.0	4,310.5	4,293.0	4,290.9	12.7	5.8	-139.20	-492.4	44.8	731.6	713.6	18.04	40.550	
4,375.0	4,335.0	4,317.5	4,315.3	12.8	5.8	-139.44	-492.7	44.9	735.6	717.4	18.19	40.442	
4,400.0	4,359.5	4,342.0	4,339.8	12.9	5.8	-139.68	-492.9	44.9	739.6	721.3	18.34	40.336	
4,425.0	4,384.0	4,366.5	4,364.4	13.0	5.9	-139.92	-493.1	44.9	743.7	725.2	18.49	40.231	
4,450.0	4,408.5	4,391.0	4,388.9	13.1	5.9	-140.15	-493.4	44.9	747.7	729.1	18.63	40.127	
4,475.0	4,433.0	4,415.5	4,413.3	13.2	5.9	-140.38	-493.6	44.8	751.8	733.0	18.78	40.026	
4,500.0	4,457.5	4,439.9	4,437.7	13.3	5.9	-140.60	-493.9	44.8	755.8	736.9	18.93	39.928	
4,525.0	4,482.0	4,464.3	4,462.1	13.4	5.9	-140.83	-494.1	44.8	759.9	740.8	19.08	39.830	
4,550.0	4,506.5	4,488.7	4,486.5	13.6	6.0	-141.05	-494.4	44.8	764.0	744.8	19.23	39.734	
4,575.0	4,531.0	4,513.1	4,510.9	13.7	6.0	-141.27	-494.6	44.8	768.1	748.7	19.38	39.637	
4,600.0	4,555.5	4,537.5	4,535.4	13.8	6.0	-141.49	-494.8	44.9	772.2	752.7	19.53	39.541	
4,625.0	4,580.0	4,562.0	4,559.8	13.9	6.0	-141.71	-495.0	44.9	776.4	756.7	19.68	39.445	
4,650.0	4,604.5	4,586.4	4,584.2	14.0	6.1	-141.93	-495.3	45.0	780.5	760.7	19.83	39.351	
4,675.0	4,629.0	4,610.5	4,608.4	14.1	6.1	-142.14	-495.5	45.0	784.7	764.7	19.99	39.259	
4,700.0	4,653.5	4,634.4	4,632.2	14.2	6.1	-142.35	-495.7	45.1	788.9	768.7	20.14	39.170	
4,725.0	4,678.0	4,658.2	4,656.0	14.3	6.1	-142.56	-495.9	45.2	793.1	772.8	20.29	39.083	
4,750.0	4,702.5	4,682.0	4,679.8	14.5	6.2	-142.77	-496.1	45.4	797.3	776.9	20.45	38.998	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	4,727.0	4,705.9	4,703.7	14.6	6.2	-142.98	-496.3	45.5	801.6	781.0	20.60	38.914	
4,800.0	4,751.5	4,730.1	4,727.9	14.7	6.2	-143.18	-496.5	45.7	805.9	785.2	20.76	38.830	
4,825.0	4,776.0	4,754.3	4,752.1	14.8	6.2	-143.39	-496.8	45.9	810.2	789.3	20.91	38.747	
4,850.0	4,800.5	4,778.5	4,776.3	14.9	6.3	-143.59	-497.0	46.0	814.6	793.5	21.07	38.666	
4,875.0	4,825.0	4,802.6	4,800.5	15.0	6.3	-143.79	-497.3	46.1	818.9	797.7	21.22	38.587	
4,900.0	4,849.5	4,826.0	4,823.9	15.1	6.3	-143.97	-497.6	46.3	823.3	802.0	21.38	38.518	
4,925.0	4,874.0	4,849.4	4,847.2	15.2	6.3	-144.16	-498.0	46.4	827.8	806.2	21.53	38.450	
4,950.0	4,898.5	4,872.8	4,870.6	15.4	6.4	-144.34	-498.3	46.6	832.2	810.5	21.68	38.385	
4,975.0	4,923.0	4,896.1	4,894.0	15.5	6.4	-144.52	-498.7	46.7	836.7	814.9	21.83	38.323	
5,000.0	4,947.5	4,920.6	4,918.4	15.6	6.4	-144.70	-499.2	46.9	841.3	819.3	21.99	38.255	
5,025.0	4,972.0	4,945.4	4,943.2	15.7	6.4	-144.89	-499.6	47.1	845.8	823.7	22.15	38.187	
5,050.0	4,996.5	4,970.1	4,967.9	15.8	6.5	-145.07	-500.0	47.2	850.4	828.0	22.31	38.119	
5,075.0	5,021.0	4,994.8	4,992.6	15.9	6.5	-145.25	-500.5	47.4	854.9	832.4	22.47	38.051	
5,100.0	5,045.5	5,019.9	5,017.6	16.0	6.5	-145.42	-500.9	47.5	859.4	836.8	22.63	37.984	
5,125.0	5,070.0	5,045.0	5,042.7	16.1	6.6	-145.60	-501.4	47.6	863.9	841.2	22.79	37.916	
5,150.0	5,094.5	5,070.1	5,067.8	16.3	6.6	-145.77	-501.8	47.7	868.5	845.5	22.95	37.848	
5,175.0	5,119.0	5,095.2	5,093.0	16.4	6.6	-145.95	-502.2	47.8	873.0	849.9	23.11	37.781	
5,200.0	5,143.5	5,119.9	5,117.7	16.5	6.6	-146.11	-502.7	47.8	877.5	854.2	23.26	37.717	
5,225.0	5,168.0	5,144.6	5,142.4	16.6	6.7	-146.28	-503.1	47.9	881.9	858.5	23.42	37.654	
5,250.0	5,192.4	5,169.3	5,167.1	16.7	6.7	-146.44	-503.5	47.9	886.4	862.9	23.58	37.591	
5,275.0	5,216.9	5,194.0	5,191.7	16.8	6.7	-146.60	-503.8	48.0	890.9	867.2	23.74	37.529	
5,300.0	5,241.4	5,218.1	5,215.8	16.9	6.7	-146.76	-504.2	48.1	895.4	871.6	23.90	37.471	
5,325.0	5,265.9	5,242.0	5,239.7	17.1	6.8	-146.92	-504.6	48.2	900.0	875.9	24.05	37.414	
5,350.0	5,290.4	5,265.9	5,263.6	17.2	6.8	-147.08	-504.9	48.3	904.5	880.3	24.21	37.359	
5,375.0	5,314.9	5,289.8	5,287.5	17.3	6.8	-147.23	-505.3	48.4	909.1	884.7	24.37	37.305	
5,400.0	5,339.4	5,313.9	5,311.6	17.4	6.8	-147.38	-505.7	48.5	913.7	889.2	24.53	37.252	
5,425.0	5,363.9	5,338.1	5,335.9	17.5	6.9	-147.54	-506.1	48.6	918.3	893.6	24.69	37.199	
5,450.0	5,388.4	5,362.4	5,360.1	17.6	6.9	-147.69	-506.5	48.8	922.9	898.1	24.84	37.147	
5,475.0	5,412.9	5,386.6	5,384.3	17.7	6.9	-147.83	-506.9	48.9	927.5	902.5	25.00	37.096	
5,498.0	5,435.5	5,409.0	5,406.7	17.8	6.9	-147.97	-507.4	49.0	931.8	906.6	25.15	37.050	
5,500.0	5,437.4	5,410.9	5,408.6	17.8	6.9	-147.98	-507.4	49.0	932.2	907.0	25.16	37.048	
5,525.0	5,461.9	5,435.2	5,433.0	18.0	7.0	-148.16	-507.8	49.1	936.7	911.4	25.37	36.923	
5,550.0	5,486.5	5,459.6	5,457.3	18.1	7.0	-148.33	-508.3	49.2	941.2	915.6	25.58	36.796	
5,575.0	5,511.1	5,484.0	5,481.7	18.3	7.0	-148.50	-508.7	49.3	945.5	919.7	25.79	36.667	
5,600.0	5,535.7	5,508.3	5,506.1	18.4	7.0	-148.65	-509.2	49.4	949.7	923.7	25.99	36.537	
5,625.0	5,560.3	5,532.5	5,530.2	18.6	7.1	-148.80	-509.6	49.6	953.7	927.6	26.14	36.481	
5,650.0	5,585.0	5,556.7	5,554.4	18.7	7.1	-148.94	-510.1	49.7	957.7	931.4	26.29	36.423	
5,675.0	5,609.7	5,581.0	5,578.7	18.8	7.1	-149.07	-510.6	49.8	961.5	935.0	26.44	36.362	
5,700.0	5,634.4	5,605.5	5,603.2	18.9	7.2	-149.19	-511.2	49.9	965.1	938.6	26.59	36.296	
5,725.0	5,659.1	5,630.8	5,628.5	19.0	7.2	-149.30	-511.8	49.9	968.7	941.9	26.74	36.229	
5,750.0	5,683.9	5,656.1	5,653.8	19.1	7.2	-149.41	-512.3	50.0	972.1	945.2	26.88	36.158	
5,775.0	5,708.7	5,681.5	5,679.2	19.2	7.2	-149.52	-512.9	50.0	975.3	948.3	27.03	36.082	
5,800.0	5,733.5	5,706.7	5,704.4	19.3	7.3	-149.61	-513.4	50.1	978.4	951.2	27.17	36.004	
5,825.0	5,758.3	5,731.3	5,729.0	19.4	7.3	-149.70	-514.0	50.1	981.3	954.0	27.31	35.933	
5,850.0	5,783.1	5,756.0	5,753.6	19.5	7.3	-149.78	-514.5	50.2	984.1	956.7	27.44	35.858	
5,875.0	5,808.0	5,780.7	5,778.3	19.6	7.3	-149.85	-515.0	50.2	986.8	959.2	27.58	35.781	
5,900.0	5,832.9	5,805.4	5,803.0	19.7	7.4	-149.92	-515.6	50.2	989.3	961.6	27.71	35.699	
5,925.0	5,857.8	5,830.2	5,827.8	19.8	7.4	-149.99	-516.1	50.3	991.7	963.9	27.84	35.622	
5,950.0	5,882.7	5,855.0	5,852.7	19.9	7.4	-150.04	-516.7	50.3	994.0	966.0	27.97	35.541	
5,975.0	5,907.6	5,879.9	5,877.5	20.0	7.4	-150.10	-517.2	50.4	996.1	968.0	28.09	35.456	
6,000.0	5,932.5	5,904.9	5,902.5	20.1	7.5	-150.15	-517.7	50.5	998.1	969.9	28.22	35.367	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	5,957.5	5,930.3	5,927.9	20.2	7.5	-150.19	-518.2	50.6	999.9	971.6	28.34	35.283 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,475.0	3,453.1	3,457.5	3,456.8	8.9	3.9	-4.69	181.4	-1,218.5	995.6	981.6	13.98	71.212	
3,500.0	3,477.6	3,482.6	3,481.9	9.0	3.9	-4.72	181.4	-1,218.2	990.4	976.3	14.12	70.157	
3,525.0	3,502.1	3,507.1	3,506.4	9.1	3.9	-4.74	181.3	-1,218.0	985.2	971.0	14.26	69.108	
3,550.0	3,526.6	3,530.5	3,529.7	9.2	3.9	-4.77	181.2	-1,217.8	980.0	965.6	14.40	68.073	
3,575.0	3,551.1	3,553.8	3,553.1	9.3	3.9	-4.79	181.1	-1,217.6	974.9	960.3	14.54	67.060	
3,600.0	3,575.6	3,577.2	3,576.4	9.4	4.0	-4.82	181.1	-1,217.5	969.7	955.1	14.68	66.066	
3,625.0	3,600.1	3,600.0	3,599.3	9.5	4.0	-4.85	181.0	-1,217.4	964.6	949.8	14.82	65.083	
3,650.0	3,624.6	3,623.9	3,623.2	9.6	4.0	-4.88	180.9	-1,217.3	959.6	944.6	14.96	64.129	
3,675.0	3,649.1	3,647.3	3,646.5	9.8	4.0	-4.91	180.8	-1,217.2	954.5	939.4	15.11	63.190	
3,700.0	3,673.6	3,670.7	3,669.9	9.9	4.0	-4.94	180.7	-1,217.2	949.5	934.3	15.25	62.271	
3,725.0	3,698.1	3,694.0	3,693.3	10.0	4.0	-4.97	180.7	-1,217.2	944.5	929.1	15.39	61.363	
3,750.0	3,722.6	3,718.4	3,717.7	10.1	4.0	-5.00	180.6	-1,217.2	939.6	924.0	15.53	60.480	
3,775.0	3,747.1	3,743.1	3,742.4	10.2	4.0	-5.03	180.5	-1,217.2	934.6	918.9	15.68	59.614	
3,800.0	3,771.6	3,767.8	3,767.1	10.3	4.0	-5.06	180.5	-1,217.2	929.6	913.8	15.82	58.763	
3,825.0	3,796.1	3,792.5	3,791.8	10.4	4.0	-5.09	180.4	-1,217.2	924.6	908.7	15.96	57.922	
3,850.0	3,820.6	3,817.1	3,816.4	10.5	4.0	-5.12	180.4	-1,217.2	919.6	903.5	16.11	57.092	
3,875.0	3,845.1	3,841.7	3,841.0	10.6	4.1	-5.15	180.3	-1,217.1	914.7	898.4	16.25	56.275	
3,900.0	3,869.5	3,866.3	3,865.5	10.7	4.1	-5.18	180.3	-1,217.1	909.7	893.3	16.40	55.473	
3,925.0	3,894.0	3,890.8	3,890.1	10.8	4.1	-5.21	180.3	-1,217.1	904.7	888.1	16.54	54.680	
3,950.0	3,918.5	3,914.9	3,914.1	10.9	4.1	-5.23	180.3	-1,217.1	899.7	883.0	16.69	53.901	
3,975.0	3,943.0	3,938.6	3,937.8	11.0	4.1	-5.26	180.3	-1,217.1	894.7	877.9	16.84	53.135	
4,000.0	3,967.5	3,962.3	3,961.6	11.1	4.1	-5.29	180.3	-1,217.1	889.8	872.8	16.99	52.384	
4,025.0	3,992.0	3,986.0	3,985.3	11.2	4.1	-5.32	180.3	-1,217.1	884.8	867.7	17.13	51.644	
4,050.0	4,016.5	4,009.7	4,008.9	11.4	4.1	-5.35	180.3	-1,217.2	879.9	862.7	17.28	50.918	
4,075.0	4,041.0	4,033.1	4,032.4	11.5	4.1	-5.38	180.3	-1,217.3	875.1	857.6	17.43	50.208	
4,100.0	4,065.5	4,056.6	4,055.8	11.6	4.2	-5.41	180.2	-1,217.4	870.2	852.6	17.58	49.511	
4,125.0	4,090.0	4,080.1	4,079.3	11.7	4.2	-5.44	180.2	-1,217.5	865.4	847.7	17.72	48.824	
4,150.0	4,114.5	4,103.7	4,102.9	11.8	4.2	-5.48	180.2	-1,217.7	860.6	842.7	17.87	48.151	
4,175.0	4,139.0	4,128.1	4,127.4	11.9	4.2	-5.51	180.2	-1,217.9	855.8	837.8	18.02	47.493	
4,200.0	4,163.5	4,152.5	4,151.8	12.0	4.2	-5.55	180.2	-1,218.1	851.1	832.9	18.17	46.845	
4,225.0	4,188.0	4,177.0	4,176.2	12.1	4.2	-5.58	180.2	-1,218.3	846.3	828.0	18.32	46.207	
4,250.0	4,212.5	4,201.4	4,200.7	12.2	4.2	-5.62	180.1	-1,218.5	841.5	823.1	18.46	45.578	
4,275.0	4,237.0	4,226.1	4,225.4	12.3	4.2	-5.66	180.0	-1,218.7	836.8	818.2	18.61	44.959	
4,300.0	4,261.5	4,250.8	4,250.0	12.4	4.2	-5.71	179.9	-1,218.9	832.0	813.2	18.76	44.350	
4,325.0	4,286.0	4,275.4	4,274.7	12.6	4.2	-5.75	179.8	-1,219.1	827.2	808.3	18.91	43.749	
4,350.0	4,310.5	4,300.1	4,299.3	12.7	4.2	-5.79	179.7	-1,219.3	822.5	803.4	19.06	43.157	
4,375.0	4,335.0	4,324.7	4,324.0	12.8	4.2	-5.84	179.6	-1,219.5	817.7	798.5	19.21	42.572	
4,400.0	4,359.5	4,349.3	4,348.6	12.9	4.3	-5.88	179.5	-1,219.7	812.9	793.6	19.36	41.997	
4,425.0	4,384.0	4,373.9	4,373.2	13.0	4.3	-5.93	179.3	-1,219.9	808.1	788.6	19.51	41.429	
4,450.0	4,408.5	4,398.5	4,397.8	13.1	4.3	-5.99	179.1	-1,220.1	803.3	783.7	19.66	40.870	
4,475.0	4,433.0	4,423.2	4,422.4	13.2	4.3	-6.04	178.9	-1,220.3	798.6	778.8	19.81	40.318	
4,500.0	4,457.5	4,447.8	4,447.1	13.3	4.3	-6.10	178.7	-1,220.5	793.8	773.8	19.96	39.775	
4,525.0	4,482.0	4,472.4	4,471.7	13.4	4.3	-6.15	178.5	-1,220.7	789.0	768.9	20.11	39.238	
4,550.0	4,506.5	4,497.1	4,496.3	13.6	4.3	-6.20	178.3	-1,220.9	784.2	763.9	20.26	38.710	
4,575.0	4,531.0	4,521.1	4,520.3	13.7	4.3	-6.26	178.1	-1,221.0	779.4	759.0	20.41	38.185	
4,600.0	4,555.5	4,545.0	4,544.2	13.8	4.3	-6.31	178.0	-1,221.2	774.6	754.1	20.56	37.669	
4,625.0	4,580.0	4,568.9	4,568.1	13.9	4.4	-6.36	177.9	-1,221.5	769.9	749.2	20.72	37.161	
4,650.0	4,604.5	4,592.8	4,592.1	14.0	4.4	-6.41	177.7	-1,221.7	765.2	744.3	20.87	36.660	
4,675.0	4,629.0	4,617.2	4,616.4	14.1	4.4	-6.46	177.6	-1,222.0	760.5	739.4	21.02	36.170	
4,700.0	4,653.5	4,641.7	4,641.0	14.2	4.4	-6.52	177.5	-1,222.2	755.7	734.6	21.18	35.688	
4,725.0	4,678.0	4,666.3	4,665.5	14.3	4.4	-6.58	177.3	-1,222.5	751.0	729.7	21.33	35.211	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,750.0	4,702.5	4,690.8	4,690.0	14.5	4.4	-6.64	177.2	-1,222.7	746.3	724.9	21.48	34.742	
4,775.0	4,727.0	4,715.3	4,714.5	14.6	4.4	-6.70	177.0	-1,223.0	741.6	720.0	21.63	34.279	
4,800.0	4,751.5	4,739.7	4,738.9	14.7	4.4	-6.76	176.8	-1,223.3	736.9	715.1	21.79	33.823	
4,825.0	4,776.0	4,764.1	4,763.4	14.8	4.4	-6.82	176.6	-1,223.5	732.2	710.3	21.94	33.372	
4,850.0	4,800.5	4,788.6	4,787.8	14.9	4.5	-6.89	176.3	-1,223.8	727.5	705.4	22.09	32.928	
4,875.0	4,825.0	4,813.3	4,812.5	15.0	4.5	-6.96	176.1	-1,224.1	722.8	700.6	22.25	32.492	
4,900.0	4,849.5	4,838.2	4,837.4	15.1	4.5	-7.03	175.8	-1,224.4	718.1	695.7	22.40	32.062	
4,925.0	4,874.0	4,863.1	4,862.3	15.2	4.5	-7.11	175.6	-1,224.6	713.4	690.9	22.55	31.637	
4,950.0	4,898.5	4,888.0	4,887.2	15.4	4.5	-7.18	175.3	-1,224.9	708.7	686.0	22.70	31.217	
4,975.0	4,923.0	4,912.6	4,911.8	15.5	4.5	-7.26	175.0	-1,225.1	704.0	681.1	22.86	30.801	
5,000.0	4,947.5	4,937.1	4,936.3	15.6	4.5	-7.34	174.7	-1,225.4	699.2	676.2	23.01	30.390	
5,025.0	4,972.0	4,961.6	4,960.8	15.7	4.6	-7.42	174.4	-1,225.6	694.5	671.4	23.16	29.985	
5,050.0	4,996.5	4,986.1	4,985.2	15.8	4.6	-7.50	174.1	-1,225.9	689.8	666.5	23.32	29.585	
5,075.0	5,021.0	5,010.5	5,009.7	15.9	4.6	-7.58	173.8	-1,226.1	685.1	661.6	23.47	29.190	
5,100.0	5,045.5	5,035.0	5,034.2	16.0	4.6	-7.66	173.4	-1,226.4	680.4	656.7	23.62	28.800	
5,125.0	5,070.0	5,059.4	5,058.6	16.1	4.6	-7.75	173.1	-1,226.6	675.7	651.9	23.78	28.416	
5,150.0	5,094.5	5,083.9	5,083.1	16.3	4.6	-7.84	172.8	-1,226.9	670.9	647.0	23.93	28.036	
5,175.0	5,119.0	5,108.5	5,107.7	16.4	4.7	-7.93	172.5	-1,227.2	666.2	642.2	24.08	27.663	
5,200.0	5,143.5	5,133.5	5,132.6	16.5	4.7	-8.02	172.1	-1,227.4	661.5	637.3	24.24	27.296	
5,225.0	5,168.0	5,158.4	5,157.6	16.6	4.7	-8.12	171.7	-1,227.6	656.8	632.4	24.39	26.932	
5,250.0	5,192.4	5,183.4	5,182.5	16.7	4.7	-8.22	171.3	-1,227.9	652.1	627.5	24.54	26.573	
5,275.0	5,216.9	5,208.2	5,207.4	16.8	4.7	-8.32	170.9	-1,228.1	647.3	622.6	24.69	26.218	
5,300.0	5,241.4	5,232.9	5,232.0	16.9	4.7	-8.42	170.5	-1,228.3	642.5	617.7	24.84	25.866	
5,325.0	5,265.9	5,257.5	5,256.7	17.1	4.7	-8.53	170.0	-1,228.5	637.8	612.8	24.99	25.518	
5,350.0	5,290.4	5,282.2	5,281.3	17.2	4.8	-8.64	169.6	-1,228.7	633.0	607.9	25.15	25.174	
5,375.0	5,314.9	5,306.8	5,305.9	17.3	4.8	-8.75	169.1	-1,228.9	628.2	602.9	25.30	24.834	
5,400.0	5,339.4	5,331.1	5,330.2	17.4	4.8	-8.86	168.7	-1,229.0	623.5	598.0	25.45	24.497	
5,425.0	5,363.9	5,355.4	5,354.6	17.5	4.8	-8.97	168.3	-1,229.2	618.7	593.1	25.60	24.165	
5,450.0	5,388.4	5,379.8	5,378.9	17.6	4.8	-9.09	167.9	-1,229.4	614.0	588.2	25.76	23.837	
5,475.0	5,412.9	5,404.2	5,403.3	17.7	4.9	-9.20	167.5	-1,229.6	609.2	583.3	25.91	23.513	
5,498.0	5,435.5	5,426.9	5,426.0	17.8	4.9	-9.31	167.1	-1,229.8	604.9	578.8	26.05	23.220	
5,500.0	5,437.4	5,428.8	5,427.9	17.8	4.9	-9.31	167.1	-1,229.9	604.5	578.4	26.06	23.196	
5,525.0	5,461.9	5,453.4	5,452.5	18.0	4.9	-9.42	166.6	-1,230.1	599.8	573.6	26.26	22.843	
5,550.0	5,486.5	5,478.1	5,477.2	18.1	4.9	-9.54	166.1	-1,230.3	595.3	568.9	26.46	22.501	
5,575.0	5,511.1	5,502.7	5,501.8	18.3	4.9	-9.65	165.6	-1,230.5	591.0	564.4	26.66	22.169	
5,600.0	5,535.7	5,526.7	5,525.8	18.4	4.9	-9.76	165.1	-1,230.7	586.9	560.0	26.86	21.847	
5,625.0	5,560.3	5,550.7	5,549.8	18.6	5.0	-9.88	164.5	-1,230.9	582.9	555.9	27.01	21.578	
5,650.0	5,585.0	5,574.8	5,573.9	18.7	5.0	-9.99	164.0	-1,231.2	579.1	552.0	27.16	21.319	
5,675.0	5,609.7	5,600.0	5,599.1	18.8	5.0	-10.10	163.5	-1,231.5	575.5	548.2	27.31	21.076	
5,700.0	5,634.4	5,623.4	5,622.5	18.9	5.0	-10.20	163.0	-1,231.8	572.1	544.7	27.46	20.832	
5,725.0	5,659.1	5,648.1	5,647.1	19.0	5.0	-10.31	162.5	-1,232.1	568.9	541.3	27.61	20.607	
5,750.0	5,683.9	5,672.7	5,671.8	19.1	5.1	-10.42	161.9	-1,232.4	565.8	538.0	27.75	20.390	
5,775.0	5,708.7	5,697.4	5,696.4	19.2	5.1	-10.53	161.4	-1,232.8	562.9	535.0	27.89	20.182	
5,800.0	5,733.5	5,722.1	5,721.2	19.3	5.1	-10.64	160.9	-1,233.1	560.1	532.1	28.03	19.982	
5,825.0	5,758.3	5,746.9	5,745.9	19.4	5.1	-10.74	160.3	-1,233.4	557.6	529.4	28.17	19.794	
5,850.0	5,783.1	5,771.7	5,770.7	19.5	5.1	-10.84	159.8	-1,233.8	555.2	526.9	28.30	19.614	
5,875.0	5,808.0	5,796.4	5,795.5	19.6	5.1	-10.94	159.3	-1,234.1	552.9	524.5	28.44	19.441	
5,900.0	5,832.9	5,821.6	5,820.6	19.7	5.2	-11.04	158.8	-1,234.5	550.8	522.3	28.57	19.278	
5,925.0	5,857.8	5,846.9	5,845.9	19.8	5.2	-11.13	158.3	-1,234.8	548.9	520.2	28.70	19.126	
5,950.0	5,882.7	5,872.1	5,871.1	19.9	5.2	-11.23	157.7	-1,235.1	547.1	518.3	28.82	18.981	
5,975.0	5,907.6	5,897.4	5,896.3	20.0	5.2	-11.33	157.2	-1,235.4	545.5	516.5	28.95	18.842	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,000.0	5,932.5	5,922.5	5,921.5	20.1	5.3	-11.42	156.6	-1,235.7	544.0	514.9	29.07	18.709	
6,025.0	5,957.5	5,947.6	5,946.6	20.2	5.3	-11.52	156.0	-1,236.0	542.6	513.4	29.19	18.589	
6,050.0	5,982.4	5,972.7	5,971.7	20.3	5.3	-11.61	155.4	-1,236.3	541.4	512.1	29.31	18.475	
6,075.0	6,007.4	5,997.9	5,996.8	20.4	5.3	-11.70	154.7	-1,236.6	540.4	511.0	29.42	18.368	
6,100.0	6,032.4	6,022.8	6,021.7	20.5	5.3	-11.79	154.1	-1,236.8	539.5	510.0	29.54	18.265	
6,125.0	6,057.4	6,047.6	6,046.6	20.5	5.4	-11.88	153.5	-1,237.1	538.8	509.2	29.64	18.179	
6,150.0	6,082.4	6,072.5	6,071.5	20.6	5.4	-11.97	152.8	-1,237.4	538.3	508.5	29.74	18.098	
6,175.0	6,107.3	6,097.4	6,096.3	20.7	5.4	-12.05	152.2	-1,237.6	537.9	508.1	29.84	18.024	
6,200.0	6,132.3	6,123.0	6,121.9	20.8	5.4	-12.13	151.5	-1,237.9	537.7	507.7	29.94	17.957	
6,225.0	6,157.3	6,148.6	6,147.5	20.8	5.4	-12.21	150.9	-1,238.2	537.6	507.6	29.98	17.930	
6,230.2	6,162.5	6,153.9	6,152.8	20.8	5.4	-12.22	150.7	-1,238.2	537.6	507.6	29.99	17.924	
6,250.0	6,182.3	6,174.2	6,173.1	20.8	5.5	-12.28	150.2	-1,238.4	537.6	507.6	30.02	17.906	
6,264.7	6,197.0	6,189.2	6,188.1	20.9	5.5	-90.14	149.9	-1,238.5	537.7	507.7	30.05	17.894	
6,275.0	6,207.3	6,199.8	6,198.7	20.9	5.5	-90.16	149.7	-1,238.6	537.8	507.7	30.05	17.896	
6,300.0	6,232.3	6,225.3	6,224.1	20.9	5.5	-90.22	149.1	-1,238.7	537.9	507.9	30.05	17.900	
6,325.0	6,257.3	6,250.8	6,249.6	20.9	5.5	-90.28	148.6	-1,238.9	538.1	508.0	30.06	17.898	
6,350.0	6,282.3	6,276.2	6,275.1	20.9	5.6	-90.34	148.0	-1,239.0	538.2	508.1	30.07	17.896	
6,375.0	6,307.3	6,301.7	6,300.6	20.9	5.6	-90.40	147.5	-1,239.1	538.3	508.2	30.08	17.893	
6,400.0	6,332.3	6,327.7	6,326.5	20.9	5.6	-90.46	146.9	-1,239.1	538.3	508.3	30.09	17.891	
6,425.0	6,357.3	6,353.6	6,352.4	20.9	5.6	-90.52	146.4	-1,239.1	538.4	508.3	30.10	17.887	
6,450.0	6,382.3	6,379.5	6,378.4	20.9	5.6	-90.58	145.8	-1,239.1	538.3	508.2	30.11	17.882	
6,475.0	6,407.3	6,405.5	6,404.3	20.9	5.7	-90.64	145.2	-1,239.0	538.3	508.2	30.11	17.876	
6,500.0	6,432.3	6,431.4	6,430.2	20.9	5.7	-90.71	144.6	-1,238.9	538.2	508.0	30.12	17.868	
6,525.0	6,457.3	6,457.2	6,456.0	21.0	5.7	-90.79	143.8	-1,238.7	538.0	507.9	30.12	17.860	
6,550.0	6,482.3	6,483.1	6,481.9	21.0	5.7	-90.88	143.0	-1,238.5	537.8	507.7	30.13	17.851	
6,575.0	6,507.3	6,508.4	6,507.2	21.0	5.7	-90.97	142.1	-1,238.3	537.6	507.4	30.14	17.838	
6,600.0	6,532.3	6,532.6	6,531.4	21.0	5.8	-91.06	141.3	-1,238.1	537.4	507.2	30.15	17.821	
6,625.0	6,557.3	6,556.8	6,555.6	21.0	5.8	-91.14	140.5	-1,237.9	537.2	507.0	30.17	17.804	
6,650.0	6,582.3	6,581.0	6,579.8	21.0	5.8	-91.22	139.8	-1,237.8	537.1	506.9	30.19	17.789	
6,675.0	6,607.3	6,605.2	6,604.0	21.0	5.8	-91.29	139.1	-1,237.6	537.0	506.8	30.21	17.775	
6,700.0	6,632.3	6,629.5	6,628.2	21.0	5.8	-91.35	138.5	-1,237.6	536.9	506.7	30.23	17.762	
6,725.0	6,657.3	6,653.7	6,652.4	21.0	5.9	-91.42	137.9	-1,237.5	536.9	506.7	30.25	17.750	
6,727.3	6,659.7	6,656.0	6,654.7	21.0	5.9	-91.43	137.8	-1,237.5	536.9	506.7	30.25	17.749 CC	
6,750.0	6,682.3	6,677.9	6,676.6	21.0	5.9	-91.49	137.3	-1,237.5	536.9	506.7	30.27	17.739 ES	
6,775.0	6,707.3	6,702.2	6,700.9	21.1	5.9	-91.55	136.6	-1,237.6	537.0	506.7	30.29	17.730	
6,800.0	6,732.3	6,727.2	6,725.9	21.1	5.9	-91.62	136.0	-1,237.6	537.0	506.7	30.30	17.724	
6,825.0	6,757.3	6,752.2	6,750.9	21.1	6.0	-91.69	135.4	-1,237.7	537.1	506.8	30.31	17.718	
6,850.0	6,782.3	6,777.2	6,775.9	21.1	6.0	-91.75	134.8	-1,237.7	537.2	506.8	30.33	17.712	
6,875.0	6,807.3	6,802.2	6,800.9	21.1	6.0	-91.81	134.2	-1,237.8	537.2	506.9	30.34	17.706	
6,900.0	6,832.3	6,827.5	6,826.2	21.1	6.0	-91.87	133.7	-1,237.8	537.3	506.9	30.35	17.701	
6,925.0	6,857.3	6,852.8	6,851.5	21.1	6.1	-91.93	133.1	-1,237.8	537.3	507.0	30.37	17.695	
6,950.0	6,882.3	6,878.1	6,876.7	21.1	6.1	-91.99	132.5	-1,237.9	537.4	507.0	30.38	17.689	
6,975.0	6,907.3	6,903.3	6,902.0	21.1	6.1	-92.05	132.0	-1,237.9	537.4	507.0	30.39	17.683	
7,000.0	6,932.3	6,928.2	6,926.8	21.1	6.1	-92.11	131.4	-1,237.9	537.4	507.0	30.41	17.674	
7,025.0	6,957.3	6,953.1	6,951.7	21.2	6.1	-92.17	130.9	-1,237.9	537.4	507.0	30.42	17.666	
7,050.0	6,982.3	6,977.9	6,976.6	21.2	6.2	-92.23	130.3	-1,237.9	537.5	507.0	30.44	17.658	
7,075.0	7,007.3	7,002.8	7,001.4	21.2	6.2	-92.30	129.7	-1,237.9	537.5	507.1	30.45	17.651	
7,100.0	7,032.3	7,027.2	7,025.8	21.2	6.2	-92.36	129.0	-1,237.9	537.6	507.1	30.47	17.642	
7,125.0	7,057.3	7,051.6	7,050.2	21.2	6.2	-92.43	128.4	-1,238.0	537.7	507.2	30.49	17.635	
7,150.0	7,082.3	7,076.1	7,074.6	21.2	6.3	-92.51	127.7	-1,238.1	537.8	507.3	30.51	17.629	
7,175.0	7,107.3	7,100.8	7,099.3	21.2	6.3	-92.58	127.0	-1,238.2	537.9	507.4	30.53	17.619	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,200.0	7,132.3	7,125.5	7,124.1	21.2	6.4	-92.65	126.3	-1,238.3	538.1	507.5	30.56	17.608	
7,225.0	7,157.3	7,150.3	7,148.9	21.2	6.4	-92.72	125.7	-1,238.4	538.2	507.6	30.58	17.597	
7,250.0	7,182.3	7,175.1	7,173.6	21.2	6.5	-92.78	125.1	-1,238.5	538.4	507.8	30.61	17.587	
7,275.0	7,207.3	7,199.8	7,198.4	21.3	6.5	-92.83	124.6	-1,238.7	538.6	507.9	30.64	17.576	
7,300.0	7,232.3	7,224.6	7,223.1	21.3	6.6	-92.88	124.1	-1,238.8	538.7	508.1	30.67	17.566	
7,325.0	7,257.3	7,249.0	7,247.5	21.3	6.6	-92.93	123.7	-1,239.0	538.9	508.2	30.70	17.556	
7,350.0	7,282.3	7,273.1	7,271.6	21.3	6.6	-92.97	123.3	-1,239.2	539.2	508.5	30.73	17.549	
7,375.0	7,307.3	7,297.2	7,295.7	21.3	6.6	-93.01	122.9	-1,239.5	539.5	508.7	30.75	17.542	
7,400.0	7,332.3	7,321.2	7,319.7	21.3	6.7	-93.05	122.5	-1,239.8	539.8	509.0	30.78	17.537	
7,425.0	7,357.3	7,345.9	7,344.4	21.3	6.7	-93.09	122.1	-1,240.1	540.2	509.4	30.80	17.535	
7,450.0	7,382.3	7,371.0	7,369.6	21.3	6.7	-93.13	121.7	-1,240.5	540.5	509.7	30.83	17.535	
7,475.0	7,407.3	7,396.2	7,394.7	21.3	6.8	-93.17	121.3	-1,240.8	540.9	510.0	30.85	17.534	
7,500.0	7,432.3	7,421.3	7,419.8	21.3	6.8	-93.20	121.0	-1,241.1	541.2	510.4	30.87	17.532	
7,525.0	7,457.3	7,446.2	7,444.7	21.4	6.8	-93.24	120.6	-1,241.5	541.6	510.7	30.89	17.530	
7,550.0	7,482.3	7,471.1	7,469.6	21.4	6.9	-93.27	120.3	-1,241.8	541.9	511.0	30.92	17.528	
7,575.0	7,507.3	7,496.0	7,494.5	21.4	6.9	-93.31	119.9	-1,242.1	542.3	511.4	30.94	17.526	
7,600.0	7,532.3	7,520.9	7,519.4	21.4	6.9	-93.35	119.5	-1,242.5	542.7	511.7	30.97	17.524	
7,625.0	7,557.3	7,545.7	7,544.2	21.4	7.0	-93.40	119.0	-1,242.8	543.0	512.0	30.99	17.522	
7,650.0	7,582.3	7,570.5	7,568.9	21.4	7.0	-93.46	118.4	-1,243.2	543.4	512.4	31.01	17.521	
7,675.0	7,607.3	7,595.2	7,593.7	21.4	7.0	-93.53	117.7	-1,243.5	543.8	512.8	31.04	17.522	
7,700.0	7,632.3	7,619.1	7,617.5	21.4	7.1	-93.61	116.9	-1,243.8	544.2	513.2	31.06	17.520	
7,725.0	7,657.3	7,640.0	7,638.4	21.4	7.1	-93.70	116.1	-1,244.2	544.8	513.7	31.10	17.517 SF	
7,750.0	7,682.3	7,664.8	7,663.2	21.4	7.1	-93.83	114.8	-1,244.8	545.4	514.3	31.11	17.533	
7,775.0	7,707.3	7,699.6	7,697.8	21.5	7.2	-94.16	111.6	-1,245.3	546.0	514.9	31.05	17.585	
7,800.0	7,732.3	7,730.5	7,728.4	21.5	7.2	-94.65	107.0	-1,245.0	546.0	515.0	30.99	17.617	
7,825.0	7,757.3	7,763.3	7,760.5	21.5	7.3	-95.36	100.3	-1,244.2	545.8	514.9	30.90	17.662	
7,850.0	7,782.3	7,789.9	7,786.2	21.5	7.3	-96.06	93.7	-1,243.0	545.4	514.5	30.85	17.676	
7,875.0	7,807.3	7,810.2	7,805.6	21.5	7.4	-96.66	88.0	-1,242.2	545.0	514.2	30.85	17.667	
7,883.9	7,816.2	7,816.0	7,811.2	21.5	7.4	-96.84	86.3	-1,241.9	545.0	514.2	30.86	17.659	
7,900.0	7,832.3	7,826.6	7,821.4	21.5	7.4	-97.16	83.3	-1,241.6	545.1	514.2	30.88	17.651	
7,925.0	7,857.3	7,845.5	7,839.5	21.5	7.4	-97.73	77.9	-1,241.3	545.6	514.7	30.89	17.662	
7,950.0	7,882.3	7,867.0	7,860.0	21.5	7.5	-98.40	71.4	-1,240.9	546.3	515.4	30.87	17.696	
7,975.0	7,907.3	7,883.8	7,875.9	21.5	7.5	-98.97	66.0	-1,240.7	547.3	516.4	30.88	17.720	
8,000.0	7,932.3	7,899.0	7,890.1	21.6	7.6	-99.52	60.7	-1,240.7	548.7	517.8	30.91	17.753	
8,025.0	7,957.3	7,917.0	7,906.8	21.6	7.6	-100.20	54.1	-1,240.8	550.5	519.6	30.90	17.817	
8,050.0	7,982.3	7,931.0	7,919.7	21.6	7.6	-100.76	48.5	-1,240.9	552.8	521.9	30.92	17.881	
8,075.0	8,007.3	7,950.7	7,937.6	21.6	7.7	-101.61	40.2	-1,241.3	555.5	524.6	30.88	17.988	
8,100.0	8,032.3	7,968.9	7,953.7	21.6	7.8	-102.46	31.8	-1,241.5	558.6	527.8	30.85	18.107	
8,125.0	8,057.3	7,989.7	7,971.6	21.6	7.9	-103.51	21.2	-1,241.7	562.1	531.3	30.79	18.256	
8,150.0	8,082.3	8,008.4	7,987.1	21.6	7.9	-104.56	10.8	-1,241.5	565.9	535.1	30.74	18.410	
8,175.0	8,107.3	8,026.0	8,001.1	21.6	8.0	-105.62	0.1	-1,241.1	570.1	539.4	30.68	18.581	
8,200.0	8,132.3	8,040.9	8,012.5	21.6	8.1	-106.57	-9.5	-1,240.6	574.8	544.2	30.65	18.757	
8,225.0	8,157.3	8,058.0	8,025.1	21.6	8.1	-107.72	-21.1	-1,239.9	580.1	549.5	30.58	18.971	
8,250.0	8,182.3	8,067.5	8,031.8	21.7	8.2	-108.38	-27.8	-1,239.5	586.0	555.4	30.58	19.161	
8,275.0	8,207.3	8,078.9	8,039.6	21.7	8.2	-109.18	-36.0	-1,238.9	592.5	561.9	30.56	19.388	
8,300.0	8,232.3	8,089.0	8,046.3	21.7	8.3	-109.91	-43.5	-1,238.4	599.7	569.2	30.54	19.634	
8,325.0	8,257.3	8,099.8	8,053.3	21.7	8.3	-110.70	-51.7	-1,237.8	607.6	577.0	30.52	19.906	
8,350.0	8,282.3	8,109.6	8,059.5	21.7	8.3	-111.43	-59.3	-1,237.2	616.1	585.6	30.50	20.197	
8,375.0	8,307.3	8,121.0	8,066.4	21.7	8.4	-112.28	-68.4	-1,236.6	625.2	594.8	30.47	20.522	
8,400.0	8,332.3	8,129.7	8,071.6	21.7	8.4	-112.94	-75.4	-1,236.1	635.0	604.6	30.46	20.851	
8,425.0	8,357.3	8,140.7	8,078.0	21.7	8.4	-113.77	-84.3	-1,235.4	645.4	614.9	30.42	21.214	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,450.0	8,382.3	8,153.0	8,084.9	21.7	8.5	-114.71	-94.4	-1,234.5	656.3	625.9	30.38	21.604	
8,475.0	8,407.3	8,161.6	8,089.6	21.8	8.5	-115.36	-101.5	-1,233.9	667.7	637.4	30.37	21.988	
8,500.0	8,432.3	8,171.5	8,094.9	21.8	8.5	-116.13	-109.9	-1,233.1	679.7	649.3	30.34	22.399	
8,525.0	8,457.3	8,184.0	8,101.4	21.8	8.6	-117.10	-120.5	-1,231.9	692.2	661.9	30.30	22.842	
8,550.0	8,482.3	8,184.0	8,101.4	21.8	8.6	-117.10	-120.5	-1,231.9	705.2	674.8	30.36	23.226	
8,575.0	8,507.3	8,194.1	8,106.4	21.8	8.6	-117.88	-129.3	-1,230.9	718.7	688.3	30.35	23.683	
8,600.0	8,532.3	8,199.8	8,109.1	21.8	8.6	-118.32	-134.2	-1,230.4	732.7	702.3	30.36	24.132	
8,625.0	8,557.3	8,205.2	8,111.6	21.8	8.6	-118.74	-139.0	-1,229.8	747.2	716.8	30.38	24.594	
8,650.0	8,582.3	8,216.0	8,116.4	21.8	8.7	-119.59	-148.6	-1,228.7	762.2	731.9	30.36	25.103	
8,675.0	8,607.3	8,216.0	8,116.4	21.8	8.7	-119.59	-148.6	-1,228.7	777.6	747.2	30.42	25.560	
8,700.0	8,632.3	8,216.0	8,116.4	21.9	8.7	-119.59	-148.6	-1,228.7	793.5	763.0	30.48	26.033	
8,725.0	8,657.3	8,216.0	8,116.4	21.9	8.7	-119.59	-148.6	-1,228.7	809.8	779.3	30.54	26.520	
8,750.0	8,682.3	8,227.4	8,121.2	21.9	8.7	-120.49	-158.9	-1,227.5	826.3	795.8	30.53	27.069	
8,775.0	8,707.3	8,231.2	8,122.7	21.9	8.7	-120.78	-162.3	-1,227.1	843.3	812.8	30.56	27.593	
8,800.0	8,732.3	8,234.7	8,124.1	21.9	8.7	-121.06	-165.5	-1,226.8	860.7	830.1	30.60	28.125	
8,825.0	8,757.3	8,248.0	8,129.1	21.9	8.8	-122.09	-177.8	-1,225.4	878.5	847.9	30.59	28.717	
8,850.0	8,782.3	8,248.0	8,129.1	21.9	8.8	-122.09	-177.8	-1,225.4	896.4	865.8	30.65	29.245	
8,875.0	8,807.3	8,248.0	8,129.1	21.9	8.8	-122.09	-177.8	-1,225.4	914.7	884.0	30.71	29.782	
8,900.0	8,832.3	8,248.0	8,129.1	21.9	8.8	-122.09	-177.8	-1,225.4	933.2	902.5	30.77	30.327	
8,925.0	8,857.3	8,248.0	8,129.1	21.9	8.8	-122.09	-177.8	-1,225.4	952.1	921.3	30.83	30.880	
8,950.0	8,882.3	8,248.0	8,129.1	22.0	8.8	-122.09	-177.8	-1,225.4	971.2	940.3	30.89	31.439	
8,975.0	8,907.3	8,256.9	8,132.3	22.0	8.9	-122.78	-186.1	-1,224.5	990.5	959.6	30.92	32.039	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-45.00	541.6	-541.6	766.0				
25.0	25.0	13.1	13.1	0.5	3.0	-45.00	541.6	-541.6	765.9				
50.0	50.0	38.4	38.4	0.5	3.0	-45.01	541.5	-541.7	765.9	761.2	4.72	162.107	
75.0	75.0	63.6	63.6	0.5	3.0	-45.02	541.4	-541.8	765.9	761.2	4.72	162.102	
100.0	100.0	88.9	88.8	0.5	3.0	-45.05	541.1	-542.0	765.9	761.2	4.72	162.095	
121.3	121.3	109.3	109.3	0.6	3.0	-45.07	540.9	-542.2	765.9	761.1	4.75	161.138	
125.0	125.0	112.7	112.7	0.6	3.0	-45.07	540.8	-542.3	765.9	761.1	4.76	160.958	
150.0	150.0	136.0	136.0	0.8	3.0	-45.10	540.6	-542.6	765.9	761.1	4.80	159.614	
175.0	175.0	160.8	160.8	0.9	3.0	-45.14	540.3	-543.0	766.0	761.1	4.85	158.074	
200.0	200.0	187.2	187.2	1.0	3.0	-45.19	539.9	-543.4	766.0	761.1	4.90	156.347	
225.0	225.0	214.4	214.4	1.1	3.0	-45.23	539.5	-543.9	766.0	761.1	4.94	155.104	
250.0	250.0	240.5	240.5	1.2	3.0	-45.27	539.0	-544.2	766.0	761.0	4.98	153.784	
275.0	275.0	265.5	265.4	1.3	3.0	-45.30	538.7	-544.4	765.9	760.9	5.03	152.403	
300.0	300.0	292.0	292.0	1.4	3.0	-45.33	538.3	-544.6	765.8	760.7	5.07	150.965	
325.0	325.0	318.7	318.7	1.4	3.0	-45.36	537.9	-544.8	765.6	760.5	5.11	149.738	
350.0	350.0	347.9	347.8	1.5	3.0	-45.39	537.4	-544.9	765.4	760.2	5.16	148.462	
375.0	375.0	373.6	373.6	1.6	3.0	-45.42	536.9	-544.9	765.0	759.8	5.20	147.140	
400.0	400.0	396.6	396.6	1.6	3.0	-45.44	536.5	-544.9	764.7	759.5	5.25	145.801	
425.0	425.0	420.1	420.0	1.7	3.0	-45.47	536.1	-544.9	764.5	759.2	5.29	144.618	
450.0	450.0	444.4	444.4	1.8	3.0	-45.49	535.7	-545.0	764.3	758.9	5.33	143.428	
475.0	475.0	469.1	469.0	1.8	3.0	-45.52	535.3	-545.2	764.1	758.7	5.37	142.232	
500.0	500.0	494.7	494.6	1.9	3.0	-45.56	534.8	-545.4	763.9	758.4	5.42	141.024	
525.0	525.0	516.0	515.9	1.9	3.1	-45.59	534.4	-545.5	763.7	758.2	5.46	139.938	
550.0	550.0	538.2	538.1	2.0	3.1	-45.62	534.1	-545.8	763.6	758.2	5.50	138.877	
553.5	553.5	541.6	541.5	2.0	3.1	-45.63	534.0	-545.9	763.6	758.1	5.50	138.729	
575.0	575.0	562.5	562.4	2.1	3.1	-45.66	533.7	-546.2	763.7	758.1	5.54	137.820	
600.0	600.0	587.3	587.2	2.1	3.1	-45.71	533.3	-546.6	763.7	758.1	5.58	136.762	
625.0	625.0	610.1	610.0	2.2	3.1	-45.74	533.0	-547.0	763.7	758.1	5.62	135.793	
650.0	650.0	631.5	631.3	2.2	3.1	-45.77	532.8	-547.3	763.9	758.2	5.66	134.854	
675.0	675.0	656.1	656.0	2.3	3.1	-45.80	532.7	-547.8	764.1	758.4	5.71	133.918	
700.0	700.0	682.0	681.9	2.3	3.1	-45.84	532.4	-548.3	764.3	758.6	5.75	132.971	
725.0	725.0	707.6	707.5	2.4	3.1	-45.89	532.2	-548.9	764.5	758.7	5.79	132.082	
750.0	750.0	732.2	732.1	2.4	3.1	-45.92	531.9	-549.4	764.7	758.9	5.83	131.189	
775.0	775.0	752.7	752.5	2.5	3.1	-45.96	531.7	-549.8	765.0	759.1	5.87	130.330	
800.0	800.0	777.1	777.0	2.5	3.1	-46.01	531.5	-550.5	765.3	759.4	5.91	129.474	
825.0	825.0	802.8	802.7	2.6	3.1	-46.07	531.2	-551.4	765.7	759.7	5.95	128.660	
850.0	850.0	828.0	827.9	2.6	3.1	-46.12	530.9	-552.1	766.0	760.0	5.99	127.843	
875.0	875.0	850.0	849.8	2.6	3.2	-46.17	530.6	-552.8	766.4	760.4	6.03	127.057	
900.0	900.0	871.8	871.5	2.7	3.2	-46.23	530.4	-553.7	766.9	760.9	6.07	126.290	
925.0	925.0	899.6	899.4	2.7	3.2	-46.32	530.0	-554.9	767.4	761.3	6.11	125.534	
950.0	950.0	923.9	923.7	2.8	3.2	-46.38	529.6	-555.8	767.9	761.7	6.15	124.787	
975.0	975.0	972.5	972.2	2.8	3.2	-46.51	528.6	-557.2	768.1	761.9	6.20	123.922	
1,000.0	1,000.0	1,004.3	1,004.0	2.9	3.2	-46.58	527.5	-557.4	767.6	761.4	6.24	123.025	
1,025.0	1,025.0	1,030.3	1,030.0	2.9	3.2	-46.63	526.6	-557.5	767.1	760.8	6.28	122.156	
1,050.0	1,050.0	1,055.1	1,054.7	3.0	3.2	-46.68	525.8	-557.5	766.5	760.2	6.32	121.289	
1,075.0	1,075.0	1,077.8	1,077.4	3.0	3.2	-46.71	525.1	-557.5	766.0	759.7	6.36	120.436	
1,100.0	1,100.0	1,101.0	1,100.6	3.0	3.3	-46.75	524.4	-557.6	765.6	759.2	6.40	119.598	
1,125.0	1,125.0	1,128.9	1,128.5	3.1	3.3	-46.81	523.5	-557.7	765.1	758.7	6.44	118.779	
1,150.0	1,150.0	1,154.7	1,154.3	3.1	3.3	-46.87	522.6	-557.9	764.6	758.1	6.48	117.958	
1,175.0	1,175.0	1,179.2	1,178.8	3.2	3.3	-46.92	521.8	-557.9	764.1	757.5	6.52	117.141	
1,200.0	1,200.0	1,202.0	1,201.6	3.2	3.3	-46.96	521.0	-558.0	763.6	757.0	6.56	116.342	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
1,225.0	1,225.0	1,227.9	1,227.5	3.2	3.3	-47.02	520.2	-558.2	763.1	756.5	6.60	115.563	
1,250.0	1,250.0	1,250.0	1,249.6	3.3	3.3	-47.05	519.7	-558.2	762.7	756.1	6.64	114.809	
1,275.0	1,275.0	1,266.3	1,265.9	3.3	3.3	-47.05	519.5	-558.2	762.5	755.9	6.68	114.106	
1,290.1	1,290.1	1,278.5	1,278.1	3.4	3.3	-47.05	519.5	-558.2	762.5	755.8	6.71	113.696	
1,300.0	1,300.0	1,287.7	1,287.3	3.4	3.3	-47.05	519.5	-558.1	762.5	755.8	6.72	113.429	
1,325.0	1,325.0	1,311.7	1,311.2	3.4	3.3	-47.05	519.6	-558.1	762.6	755.8	6.76	112.787	
1,350.0	1,350.0	1,337.7	1,337.3	3.4	3.3	-47.05	519.7	-558.2	762.6	755.8	6.80	112.142	
1,375.0	1,375.0	1,363.3	1,362.9	3.5	3.3	-47.04	519.7	-558.1	762.6	755.8	6.84	111.483	
1,400.0	1,400.0	1,388.4	1,388.0	3.5	3.3	-47.04	519.7	-558.1	762.6	755.7	6.88	110.831	
1,425.0	1,425.0	1,413.5	1,413.1	3.6	3.3	-47.04	519.7	-558.1	762.6	755.7	6.92	110.198	
1,427.0	1,427.0	1,415.4	1,415.0	3.6	3.3	-47.04	519.7	-558.1	762.6	755.7	6.92	110.148	
1,450.0	1,450.0	1,438.6	1,438.2	3.6	3.4	-47.05	519.6	-558.2	762.6	755.7	6.96	109.572	
1,475.0	1,475.0	1,464.8	1,464.4	3.6	3.4	-47.06	519.5	-558.3	762.6	755.6	7.00	108.940	
1,500.0	1,500.0	1,489.9	1,489.5	3.7	3.4	-47.07	519.4	-558.3	762.5	755.5	7.04	108.304	
1,525.0	1,525.0	1,515.4	1,515.0	3.7	3.4	-47.06	519.4	-558.2	762.5	755.4	7.08	107.681	
1,550.0	1,550.0	1,547.0	1,546.6	3.8	3.4	-47.03	519.6	-557.8	762.4	755.2	7.12	107.031	
1,575.0	1,575.0	1,577.1	1,576.6	3.8	3.4	-46.97	519.9	-556.9	762.0	754.8	7.16	106.355	
1,600.0	1,600.0	1,602.3	1,601.9	3.8	3.4	-46.91	520.2	-556.0	761.5	754.3	7.21	105.685	
1,625.0	1,625.0	1,626.2	1,625.7	3.9	3.4	-46.85	520.5	-555.2	761.1	753.9	7.25	105.037	
1,650.0	1,650.0	1,650.0	1,649.5	3.9	3.4	-46.79	520.8	-554.3	760.7	753.4	7.29	104.398	
1,675.0	1,675.0	1,674.0	1,673.5	3.9	3.4	-46.73	521.1	-553.5	760.3	753.0	7.33	103.768	
1,700.0	1,700.0	1,700.0	1,699.5	4.0	3.4	-46.66	521.5	-552.7	759.9	752.6	7.37	103.134	
1,725.0	1,725.0	1,723.5	1,722.9	4.0	3.4	-46.61	521.8	-551.9	759.6	752.2	7.41	102.524	
1,750.0	1,750.0	1,747.8	1,747.3	4.1	3.4	-46.55	522.1	-551.1	759.2	751.8	7.45	101.925	
1,775.0	1,775.0	1,772.6	1,772.1	4.1	3.4	-46.49	522.5	-550.4	758.9	751.5	7.49	101.330	
1,800.0	1,800.0	1,800.2	1,799.6	4.1	3.4	-46.44	522.8	-549.6	758.6	751.1	7.53	100.724	
1,825.0	1,825.0	1,821.5	1,820.9	4.2	3.4	-46.39	523.0	-549.0	758.3	750.7	7.57	100.155	
1,850.0	1,850.0	1,846.9	1,846.3	4.2	3.4	-46.35	523.2	-548.4	758.0	750.4	7.61	99.585	
1,875.0	1,875.0	1,873.0	1,872.4	4.2	3.4	-46.31	523.4	-547.9	757.7	750.1	7.65	99.010	
1,900.0	1,900.0	1,896.4	1,895.8	4.3	3.4	-46.27	523.6	-547.3	757.5	749.8	7.69	98.449	
1,925.0	1,925.0	1,920.9	1,920.3	4.3	3.4	-46.23	523.8	-546.8	757.2	749.5	7.73	97.903	
1,950.0	1,950.0	1,954.1	1,953.4	4.3	3.4	-46.18	523.9	-546.0	756.9	749.1	7.78	97.315	
1,975.0	1,975.0	1,978.5	1,977.9	4.4	3.4	-46.14	524.0	-545.3	756.4	748.6	7.82	96.738	
2,000.0	2,000.0	2,012.3	2,011.6	4.4	3.4	-46.08	524.0	-544.1	755.8	747.9	7.86	96.110	
2,025.0	2,025.0	2,046.3	2,045.5	4.4	3.4	31.85	523.9	-542.4	754.7	746.8	7.92	95.275	
2,050.0	2,050.0	2,098.0	2,097.2	4.5	3.4	32.11	523.8	-538.3	753.0	745.1	7.99	94.289	
2,075.0	2,075.0	2,130.9	2,129.8	4.5	3.4	32.36	523.7	-534.5	750.4	742.4	8.05	93.194	
2,100.0	2,100.0	2,155.8	2,154.5	4.5	3.4	32.58	523.6	-531.5	747.6	739.5	8.12	92.052	
2,125.0	2,125.0	2,178.6	2,177.1	4.6	3.4	32.80	523.5	-528.8	744.6	736.4	8.20	90.762	
2,150.0	2,149.9	2,204.2	2,202.6	4.6	3.5	33.05	523.5	-525.7	741.4	733.1	8.29	89.466	
2,175.0	2,174.9	2,234.2	2,232.3	4.7	3.5	33.36	523.3	-522.0	738.0	729.6	8.37	88.149	
2,200.0	2,199.8	2,264.4	2,262.3	4.7	3.5	33.70	523.2	-518.0	734.2	725.7	8.46	86.808	
2,225.0	2,224.8	2,291.5	2,289.1	4.7	3.5	34.05	523.0	-514.1	730.0	721.5	8.54	85.457	
2,250.0	2,249.7	2,322.6	2,319.9	4.8	3.5	34.46	522.8	-509.6	725.7	717.0	8.63	84.097	
2,275.0	2,274.6	2,352.9	2,349.8	4.8	3.5	34.89	522.3	-504.9	720.9	712.1	8.71	82.717	
2,300.0	2,299.5	2,383.5	2,380.0	4.9	3.5	35.37	521.8	-499.9	715.7	706.9	8.80	81.318	
2,325.0	2,324.3	2,408.9	2,405.0	4.9	3.5	35.80	521.3	-495.6	710.2	701.3	8.89	79.910	
2,350.0	2,349.1	2,432.7	2,428.5	5.0	3.5	36.22	520.9	-491.5	704.6	695.6	8.98	78.496	
2,375.0	2,373.9	2,454.0	2,449.4	5.1	3.6	36.62	520.4	-488.0	698.9	689.8	9.07	77.088	
2,400.0	2,398.7	2,475.0	2,470.2	5.1	3.6	37.01	519.9	-484.8	693.2	684.1	9.16	75.717	
2,425.0	2,423.4	2,492.3	2,487.4	5.2	3.6	37.34	519.5	-482.3	687.5	678.3	9.25	74.345	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,450.0	2,448.2	2,512.3	2,507.1	5.3	3.6	37.70	518.9	-479.8	681.8	672.5	9.34	73.005	
2,475.0	2,472.8	2,532.3	2,527.0	5.4	3.6	38.08	518.4	-477.3	676.2	666.7	9.43	71.694	
2,500.0	2,497.5	2,553.4	2,548.0	5.5	3.6	38.48	517.9	-474.8	670.5	660.9	9.52	70.409	
2,525.0	2,522.1	2,575.0	2,569.4	5.5	3.6	38.91	517.5	-472.3	664.7	655.1	9.60	69.274	
2,550.0	2,546.6	2,594.9	2,589.2	5.6	3.6	39.32	517.1	-470.1	659.0	649.3	9.67	68.153	
2,575.0	2,571.1	2,616.3	2,610.4	5.7	3.6	39.78	516.8	-467.8	653.2	643.5	9.74	67.051	
2,600.0	2,595.6	2,637.0	2,631.0	5.7	3.7	40.15	516.5	-465.6	647.5	637.7	9.80	66.100	
2,625.0	2,620.1	2,658.2	2,652.0	5.8	3.7	40.55	516.4	-463.4	641.9	632.0	9.88	64.978	
2,650.0	2,644.6	2,681.8	2,675.6	5.9	3.7	41.00	516.2	-461.0	636.4	626.4	9.96	63.891	
2,675.0	2,669.1	2,706.2	2,699.8	5.9	3.7	41.47	516.1	-458.5	630.9	620.9	10.04	62.827	
2,700.0	2,693.6	2,728.5	2,722.0	6.0	3.7	41.90	516.0	-456.2	625.5	615.4	10.12	61.789	
2,725.0	2,718.1	2,753.8	2,747.2	6.1	3.7	42.41	515.8	-453.6	620.2	610.0	10.21	60.772	
2,750.0	2,742.6	2,776.4	2,769.7	6.2	3.7	42.86	515.7	-451.4	614.9	604.6	10.29	59.774	
2,775.0	2,767.1	2,802.0	2,795.2	6.3	3.7	43.39	515.5	-448.8	609.6	599.2	10.37	58.806	
2,800.0	2,791.6	2,827.0	2,820.0	6.4	3.8	43.91	515.3	-446.2	604.3	593.9	10.45	57.856	
2,825.0	2,816.1	2,853.7	2,846.5	6.4	3.8	44.50	515.2	-443.2	599.0	588.5	10.52	56.913	
2,850.0	2,840.6	2,878.6	2,871.3	6.5	3.8	45.09	515.1	-440.1	593.6	583.0	10.60	55.984	
2,875.0	2,865.1	2,901.6	2,894.0	6.6	3.8	45.65	515.1	-437.2	588.4	577.7	10.68	55.072	
2,900.0	2,889.6	2,923.6	2,915.9	6.7	3.8	46.20	515.2	-434.4	583.2	572.4	10.76	54.185	
2,925.0	2,914.1	2,946.0	2,938.1	6.8	3.8	46.76	515.3	-431.6	578.1	567.3	10.84	53.317	
2,950.0	2,938.6	2,972.7	2,964.6	6.9	3.9	47.45	515.3	-428.3	573.1	562.2	10.92	52.491	
2,975.0	2,963.1	2,997.0	2,988.7	7.0	3.9	48.08	515.4	-425.1	568.0	557.1	10.99	51.670	
3,000.0	2,987.6	3,020.5	3,012.0	7.1	3.9	48.72	515.4	-422.1	563.1	552.0	11.07	50.868	
3,025.0	3,012.1	3,044.2	3,035.5	7.2	3.9	49.37	515.4	-419.0	558.2	547.0	11.14	50.083	
3,050.0	3,036.6	3,067.8	3,058.9	7.2	3.9	50.02	515.5	-415.9	553.3	542.1	11.22	49.320	
3,075.0	3,061.1	3,091.5	3,082.4	7.3	3.9	50.69	515.5	-412.9	548.6	537.3	11.29	48.582	
3,100.0	3,085.6	3,114.5	3,105.2	7.4	3.9	51.34	515.5	-409.9	543.9	532.6	11.36	47.862	
3,125.0	3,110.1	3,138.0	3,128.5	7.5	4.0	52.01	515.5	-407.0	539.4	527.9	11.44	47.163	
3,150.0	3,134.6	3,162.8	3,153.2	7.6	4.0	52.73	515.5	-403.9	534.9	523.4	11.50	46.492	
3,175.0	3,159.1	3,188.1	3,178.3	7.7	4.0	53.47	515.4	-400.7	530.4	518.8	11.57	45.838	
3,200.0	3,183.6	3,214.6	3,204.5	7.8	4.0	54.26	515.2	-397.4	525.9	514.3	11.63	45.206	
3,225.0	3,208.1	3,242.2	3,231.9	7.9	4.0	55.09	514.9	-393.9	521.3	509.7	11.69	44.583	
3,250.0	3,232.6	3,268.2	3,257.6	8.0	4.1	55.88	514.3	-390.6	516.7	505.0	11.75	43.957	
3,275.0	3,257.1	3,293.0	3,282.3	8.1	4.1	56.66	513.7	-387.3	512.1	500.3	11.82	43.340	
3,300.0	3,281.6	3,317.1	3,306.1	8.2	4.1	57.42	513.1	-384.2	507.5	495.6	11.88	42.734	
3,325.0	3,306.1	3,340.6	3,329.4	8.3	4.1	58.18	512.6	-381.1	503.0	491.1	11.94	42.142	
3,350.0	3,330.6	3,363.3	3,351.9	8.4	4.1	58.93	512.0	-378.1	498.7	486.7	12.00	41.567	
3,375.0	3,355.1	3,386.2	3,374.6	8.5	4.1	59.69	511.5	-375.1	494.5	482.4	12.05	41.019	
3,400.0	3,379.6	3,410.7	3,398.9	8.6	4.2	60.52	511.0	-371.9	490.3	478.2	12.11	40.500	
3,425.0	3,404.1	3,434.7	3,422.7	8.7	4.2	61.34	510.4	-368.8	486.3	474.1	12.16	39.990	
3,450.0	3,428.6	3,457.2	3,445.0	8.8	4.2	62.12	509.9	-365.9	482.3	470.1	12.21	39.492	
3,475.0	3,453.1	3,480.7	3,468.3	8.9	4.2	62.94	509.3	-362.9	478.5	466.3	12.26	39.021	
3,500.0	3,477.6	3,504.1	3,491.5	9.0	4.2	63.75	508.8	-360.0	474.9	462.5	12.31	38.567	
3,525.0	3,502.1	3,526.1	3,513.3	9.1	4.3	64.53	508.3	-357.4	471.3	459.0	12.36	38.125	
3,550.0	3,526.6	3,549.3	3,536.4	9.2	4.3	65.36	507.9	-354.6	468.0	455.6	12.41	37.713	
3,575.0	3,551.1	3,573.2	3,560.1	9.3	4.3	66.22	507.4	-351.8	464.7	452.3	12.45	37.321	
3,600.0	3,575.6	3,595.9	3,582.6	9.4	4.3	67.03	506.9	-349.2	461.6	449.1	12.50	36.940	
3,625.0	3,600.1	3,620.9	3,607.5	9.5	4.3	67.94	506.5	-346.3	458.6	446.1	12.54	36.588	
3,650.0	3,624.6	3,644.2	3,630.7	9.6	4.4	68.81	506.0	-343.5	455.7	443.1	12.58	36.238	
3,675.0	3,649.1	3,667.7	3,653.9	9.8	4.4	69.69	505.5	-340.8	452.9	440.3	12.61	35.907	
3,700.0	3,673.6	3,691.7	3,677.8	9.9	4.4	70.59	505.1	-338.1	450.3	437.6	12.65	35.594	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,725.0	3,698.1	3,715.2	3,701.2	10.0	4.4	71.49	504.6	-335.3	447.8	435.1	12.69	35.291	
3,750.0	3,722.6	3,738.6	3,724.3	10.1	4.4	72.39	504.2	-332.6	445.4	432.6	12.72	35.003	
3,775.0	3,747.1	3,761.8	3,747.4	10.2	4.5	73.30	503.7	-329.9	443.1	430.4	12.76	34.731	
3,800.0	3,771.6	3,784.6	3,770.0	10.3	4.5	74.20	503.4	-327.2	441.0	428.2	12.79	34.472	
3,825.0	3,796.1	3,806.9	3,792.2	10.4	4.5	75.08	503.1	-324.7	439.2	426.3	12.83	34.229	
3,850.0	3,820.6	3,829.3	3,814.4	10.5	4.5	75.97	502.8	-322.1	437.5	424.6	12.87	34.005	
3,875.0	3,845.1	3,852.9	3,837.9	10.6	4.5	76.92	502.6	-319.4	436.0	423.1	12.90	33.801	
3,900.0	3,869.5	3,876.1	3,860.9	10.7	4.6	77.86	502.5	-316.7	434.6	421.7	12.93	33.609	
3,925.0	3,894.0	3,898.6	3,883.3	10.8	4.6	78.79	502.3	-314.0	433.5	420.5	12.97	33.428	
3,950.0	3,918.5	3,921.9	3,906.4	10.9	4.6	79.74	502.2	-311.2	432.5	419.5	13.00	33.263	
3,975.0	3,943.0	3,947.7	3,932.0	11.0	4.6	80.81	502.1	-308.2	431.6	418.6	13.04	33.111	
4,000.0	3,967.5	3,971.0	3,955.1	11.1	4.6	81.77	501.9	-305.4	430.8	417.8	13.07	32.956	
4,025.0	3,992.0	3,995.1	3,979.1	11.2	4.7	82.78	501.8	-302.5	430.2	417.1	13.11	32.811	
4,050.0	4,016.5	4,019.9	4,003.7	11.4	4.7	83.82	501.5	-299.5	429.7	416.5	13.15	32.670	
4,075.0	4,041.0	4,044.1	4,027.8	11.5	4.7	84.84	501.3	-296.6	429.2	416.0	13.19	32.530	
4,100.0	4,065.5	4,067.2	4,050.7	11.6	4.7	85.81	501.0	-293.9	428.9	415.7	13.24	32.395	
4,125.0	4,090.0	4,091.2	4,074.5	11.7	4.8	86.81	500.8	-291.1	428.8	415.5	13.29	32.267	
4,142.6	4,107.2	4,108.4	4,091.6	11.8	4.8	87.52	500.6	-289.1	428.8	415.4	13.32	32.178 CC	
4,150.0	4,114.5	4,115.6	4,098.8	11.8	4.8	87.82	500.5	-288.3	428.8	415.4	13.34	32.140 ES	
4,175.0	4,139.0	4,140.4	4,123.3	11.9	4.8	88.84	500.2	-285.5	428.8	415.4	13.40	32.014	
4,200.0	4,163.5	4,164.6	4,147.4	12.0	4.8	89.84	499.9	-282.8	429.0	415.6	13.45	31.887	
4,225.0	4,188.0	4,188.2	4,170.9	12.1	4.8	90.81	499.5	-280.2	429.3	415.8	13.52	31.762	
4,250.0	4,212.5	4,211.3	4,193.9	12.2	4.9	91.76	499.2	-277.6	429.8	416.2	13.58	31.642	
4,275.0	4,237.0	4,234.7	4,217.1	12.3	4.9	92.70	499.0	-275.1	430.4	416.8	13.65	31.528	
4,300.0	4,261.5	4,258.8	4,241.1	12.4	4.9	93.66	498.8	-272.5	431.2	417.5	13.73	31.415	
4,325.0	4,286.0	4,283.9	4,266.0	12.6	4.9	94.64	498.5	-270.1	432.1	418.2	13.80	31.297	
4,350.0	4,310.5	4,309.8	4,291.8	12.7	5.0	95.64	498.2	-267.6	432.9	419.0	13.89	31.168	
4,375.0	4,335.0	4,333.1	4,315.0	12.8	5.0	96.54	497.8	-265.3	433.9	419.9	13.98	31.046	
4,400.0	4,359.5	4,356.3	4,338.1	12.9	5.0	97.42	497.6	-263.1	435.0	421.0	14.06	30.931	
4,425.0	4,384.0	4,381.0	4,362.7	13.0	5.0	98.35	497.3	-260.9	436.3	422.1	14.16	30.808	
4,450.0	4,408.5	4,405.0	4,386.6	13.1	5.0	99.25	497.0	-258.7	437.6	423.3	14.26	30.687	
4,475.0	4,433.0	4,428.9	4,410.4	13.2	5.1	100.13	496.7	-256.5	439.0	424.7	14.36	30.567	
4,500.0	4,457.5	4,451.9	4,433.3	13.3	5.1	100.98	496.4	-254.4	440.6	426.2	14.47	30.456	
4,525.0	4,482.0	4,477.0	4,458.2	13.4	5.1	101.89	496.1	-252.1	442.3	427.8	14.58	30.332	
4,550.0	4,506.5	4,501.4	4,482.6	13.6	5.1	102.77	495.8	-249.9	444.1	429.4	14.70	30.209	
4,575.0	4,531.0	4,524.4	4,505.5	13.7	5.2	103.59	495.6	-247.9	446.0	431.2	14.82	30.097	
4,600.0	4,555.5	4,549.4	4,530.4	13.8	5.2	104.48	495.3	-245.7	448.0	433.0	14.95	29.972	
4,625.0	4,580.0	4,572.8	4,553.6	13.9	5.2	105.31	495.0	-243.6	450.1	435.0	15.07	29.857	
4,650.0	4,604.5	4,596.0	4,576.8	14.0	5.2	106.13	494.7	-241.4	452.3	437.1	15.20	29.746	
4,675.0	4,629.0	4,621.1	4,601.8	14.1	5.3	107.00	494.4	-239.1	454.6	439.3	15.35	29.623	
4,700.0	4,653.5	4,643.8	4,624.4	14.2	5.3	107.78	494.1	-237.1	457.0	441.5	15.48	29.518	
4,725.0	4,678.0	4,669.3	4,649.8	14.3	5.3	108.65	493.8	-234.8	459.6	443.9	15.63	29.394	
4,750.0	4,702.5	4,693.5	4,673.9	14.5	5.3	109.46	493.5	-232.7	462.1	446.3	15.78	29.277	
4,775.0	4,727.0	4,717.1	4,697.4	14.6	5.4	110.23	493.2	-230.7	464.8	448.8	15.93	29.169	
4,800.0	4,751.5	4,740.6	4,720.8	14.7	5.4	111.00	493.0	-228.6	467.5	451.4	16.09	29.065	
4,825.0	4,776.0	4,763.6	4,743.7	14.8	5.4	111.74	492.7	-226.6	470.4	454.2	16.24	28.968	
4,850.0	4,800.5	4,787.7	4,767.7	14.9	5.4	112.50	492.5	-224.5	473.5	457.1	16.40	28.868	
4,875.0	4,825.0	4,812.4	4,792.3	15.0	5.5	113.28	492.3	-222.3	476.5	460.0	16.57	28.761	
4,900.0	4,849.5	4,835.0	4,814.9	15.1	5.5	113.98	492.1	-220.3	479.7	463.0	16.73	28.675	
4,925.0	4,874.0	4,857.1	4,836.8	15.2	5.5	114.68	491.8	-218.2	483.0	466.1	16.89	28.599	
4,950.0	4,898.5	4,880.7	4,860.2	15.4	5.5	115.45	491.4	-215.7	486.5	469.5	17.07	28.508	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
4,975.0	4,923.0	4,903.5	4,882.9	15.5	5.5	116.19	491.0	-213.2	490.1	472.9	17.24	28.430	
5,000.0	4,947.5	4,928.0	4,907.3	15.6	5.6	116.97	490.6	-210.5	493.8	476.4	17.43	28.336	
5,025.0	4,972.0	4,951.1	4,930.2	15.7	5.6	117.70	490.2	-208.0	497.6	480.0	17.61	28.262	
5,050.0	4,996.5	4,975.8	4,954.9	15.8	5.6	118.46	489.8	-205.3	501.5	483.7	17.80	28.174	
5,075.0	5,021.0	5,002.0	4,980.9	15.9	5.6	119.25	489.4	-202.6	505.4	487.4	18.01	28.070	
5,100.0	5,045.5	5,025.8	5,004.5	16.0	5.7	119.96	488.9	-200.1	509.3	491.1	18.20	27.991	
5,125.0	5,070.0	5,049.6	5,028.2	16.1	5.7	120.67	488.4	-197.6	513.3	494.9	18.39	27.914	
5,150.0	5,094.5	5,074.6	5,053.1	16.3	5.7	121.40	487.8	-195.0	517.4	498.8	18.59	27.828	
5,175.0	5,119.0	5,098.0	5,076.3	16.4	5.7	122.06	487.4	-192.6	521.5	502.7	18.78	27.762	
5,200.0	5,143.5	5,122.4	5,100.6	16.5	5.8	122.75	486.8	-190.1	525.7	506.7	18.98	27.689	
5,225.0	5,168.0	5,146.5	5,124.6	16.6	5.8	123.41	486.3	-187.7	529.9	510.7	19.18	27.622	
5,250.0	5,192.4	5,171.6	5,149.6	16.7	5.8	124.09	485.8	-185.2	534.2	514.8	19.39	27.548	
5,275.0	5,216.9	5,197.7	5,175.5	16.8	5.9	124.78	485.3	-182.7	538.5	518.9	19.61	27.464	
5,300.0	5,241.4	5,221.8	5,199.5	16.9	5.9	125.41	484.7	-180.4	542.7	522.9	19.81	27.400	
5,325.0	5,265.9	5,246.4	5,224.0	17.1	5.9	126.03	484.1	-178.1	547.1	527.1	20.01	27.334	
5,350.0	5,290.4	5,270.7	5,248.2	17.2	5.9	126.63	483.6	-176.0	551.4	531.2	20.22	27.277	
5,375.0	5,314.9	5,296.2	5,273.6	17.3	6.0	127.25	483.1	-173.8	555.8	535.4	20.43	27.210	
5,400.0	5,339.4	5,311.9	5,289.2	17.4	6.0	127.62	482.8	-172.4	560.4	539.8	20.57	27.248	
5,425.0	5,363.9	5,325.0	5,302.2	17.5	6.0	127.94	482.7	-171.0	565.4	544.7	20.68	27.339	
5,450.0	5,388.4	5,341.9	5,319.0	17.6	6.0	128.34	482.7	-168.9	570.9	550.0	20.83	27.411	
5,475.0	5,412.9	5,361.2	5,338.2	17.7	6.0	128.80	482.8	-166.4	576.6	555.7	20.99	27.473	
5,498.0	5,435.5	5,383.0	5,359.8	17.8	6.1	129.31	482.9	-163.5	582.1	560.9	21.17	27.490	
5,500.0	5,437.4	5,385.1	5,361.8	17.8	6.1	129.36	482.9	-163.2	582.6	561.4	21.19	27.491	
5,525.0	5,461.9	5,409.3	5,385.8	18.0	6.1	129.98	483.0	-160.0	588.4	567.0	21.45	27.430	
5,550.0	5,486.5	5,432.4	5,408.8	18.1	6.1	130.55	483.1	-157.0	594.3	572.6	21.70	27.384	
5,575.0	5,511.1	5,457.6	5,433.7	18.3	6.1	131.14	483.3	-153.7	600.0	578.0	21.97	27.316	
5,600.0	5,535.7	5,481.0	5,456.9	18.4	6.2	131.68	483.3	-150.6	605.7	583.5	22.21	27.268	
5,625.0	5,560.3	5,505.3	5,481.0	18.6	6.2	132.20	483.4	-147.5	611.3	588.9	22.40	27.288	
5,650.0	5,585.0	5,529.8	5,505.3	18.7	6.2	132.70	483.6	-144.3	616.8	594.2	22.59	27.304	
5,675.0	5,609.7	5,555.5	5,530.8	18.8	6.2	133.20	483.8	-141.1	622.2	599.4	22.79	27.306	
5,700.0	5,634.4	5,580.2	5,555.3	18.9	6.3	133.66	483.9	-138.0	627.4	604.5	22.97	27.313	
5,725.0	5,659.1	5,600.0	5,574.9	19.0	6.3	134.05	483.9	-135.4	632.7	609.5	23.11	27.375	
5,750.0	5,683.9	5,622.0	5,596.7	19.1	6.3	134.48	483.6	-132.3	637.9	614.6	23.27	27.411	
5,775.0	5,708.7	5,646.3	5,620.7	19.2	6.3	134.96	483.1	-128.6	643.2	619.7	23.46	27.420	
5,800.0	5,733.5	5,670.7	5,644.8	19.3	6.4	135.42	482.6	-124.9	648.3	624.7	23.64	27.424	
5,825.0	5,758.3	5,695.1	5,668.9	19.4	6.4	135.87	482.1	-121.2	653.4	629.6	23.82	27.433	
5,850.0	5,783.1	5,720.2	5,693.7	19.5	6.4	136.31	481.6	-117.5	658.3	634.3	24.00	27.433	
5,875.0	5,808.0	5,748.2	5,721.5	19.6	6.5	136.77	481.0	-113.4	663.1	638.9	24.21	27.396	
5,900.0	5,832.9	5,772.6	5,745.6	19.7	6.5	137.16	480.4	-109.9	667.7	643.4	24.38	27.393	
5,925.0	5,857.8	5,796.2	5,769.0	19.8	6.5	137.52	479.9	-106.5	672.3	647.7	24.53	27.404	
5,950.0	5,882.7	5,822.9	5,795.3	19.9	6.5	137.91	479.2	-102.7	676.7	651.9	24.71	27.380	
5,975.0	5,907.6	5,851.8	5,823.9	20.0	6.6	138.31	478.5	-98.6	680.8	655.9	24.91	27.327	
6,000.0	5,932.5	5,876.6	5,848.5	20.1	6.6	138.64	477.8	-95.3	684.8	659.7	25.08	27.311	
6,025.0	5,957.5	5,900.0	5,871.7	20.2	6.6	138.94	477.1	-92.1	688.7	663.5	25.21	27.315	
6,050.0	5,982.4	5,925.7	5,897.2	20.3	6.7	139.25	476.4	-88.6	692.5	667.1	25.37	27.295	
6,075.0	6,007.4	5,953.8	5,925.0	20.4	6.7	139.57	475.7	-84.9	696.1	670.6	25.55	27.247	
6,100.0	6,032.4	5,982.9	5,953.9	20.5	6.7	139.87	474.9	-81.3	699.4	673.7	25.73	27.183	
6,125.0	6,057.4	6,009.1	5,979.8	20.5	6.8	140.13	474.1	-78.1	702.5	676.7	25.87	27.154	
6,150.0	6,082.4	6,035.4	6,006.0	20.6	6.8	140.38	473.4	-75.0	705.5	679.5	26.01	27.118	
6,175.0	6,107.3	6,064.0	6,034.4	20.7	6.8	140.63	472.6	-71.7	708.2	682.1	26.17	27.060	
6,200.0	6,132.3	6,090.9	6,061.1	20.8	6.8	140.84	471.8	-68.8	710.7	684.4	26.31	27.008	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,225.0	6,157.3	6,115.4	6,085.5	20.8	6.9	141.03	471.1	-66.1	713.1	686.7	26.39	27.019	
6,250.0	6,182.3	6,141.2	6,111.1	20.8	6.9	141.21	470.4	-63.4	715.3	688.8	26.48	27.016	
6,264.7	6,197.0	6,157.2	6,127.0	20.9	6.9	63.49	469.9	-61.7	716.5	690.0	26.53	27.005	
6,275.0	6,207.3	6,169.1	6,138.8	20.9	6.9	63.56	469.6	-60.5	717.3	690.8	26.56	27.005	
6,300.0	6,232.3	6,195.8	6,165.4	20.9	7.0	63.71	468.8	-57.8	719.3	692.7	26.62	27.017	
6,325.0	6,257.3	6,225.8	6,195.2	20.9	7.0	63.87	468.0	-54.9	721.1	694.4	26.72	26.991 SF	
6,350.0	6,282.3	6,251.6	6,220.9	20.9	7.0	64.01	467.3	-52.6	722.8	696.1	26.78	26.996	
6,375.0	6,307.3	6,276.3	6,245.5	20.9	7.1	64.13	466.6	-50.4	724.6	697.7	26.82	27.011	
6,400.0	6,332.3	6,300.0	6,269.1	20.9	7.1	64.24	466.0	-48.3	726.3	699.4	26.86	27.036	
6,425.0	6,357.3	6,323.7	6,292.7	20.9	7.1	64.35	465.5	-46.2	728.1	701.2	26.90	27.063	
6,450.0	6,382.3	6,341.9	6,310.8	20.9	7.1	64.44	465.1	-44.4	730.0	703.1	26.90	27.138	
6,475.0	6,407.3	6,358.4	6,327.2	20.9	7.2	64.52	464.8	-42.7	732.2	705.3	26.88	27.236	
6,500.0	6,432.3	6,375.0	6,343.7	20.9	7.2	64.61	464.5	-40.7	734.7	707.8	26.87	27.345	
6,525.0	6,457.3	6,395.8	6,364.3	21.0	7.2	64.73	464.1	-38.0	737.4	710.5	26.89	27.426	
6,550.0	6,482.3	6,418.2	6,386.5	21.0	7.2	64.86	463.6	-35.1	740.2	713.2	26.92	27.494	
6,575.0	6,507.3	6,444.2	6,412.3	21.0	7.3	65.01	463.1	-31.6	743.0	716.0	26.99	27.533	
6,600.0	6,532.3	6,472.5	6,440.3	21.0	7.3	65.17	462.6	-27.9	745.7	718.7	27.07	27.549	
6,625.0	6,557.3	6,503.2	6,470.8	21.0	7.3	65.34	461.9	-24.1	748.3	721.1	27.17	27.541	
6,650.0	6,582.3	6,532.3	6,499.7	21.0	7.4	65.50	461.2	-20.7	750.8	723.5	27.26	27.541	
6,675.0	6,607.3	6,567.4	6,534.6	21.0	7.4	65.68	460.3	-16.9	753.0	725.6	27.39	27.488	
6,700.0	6,632.3	6,596.2	6,563.2	21.0	7.4	65.81	459.6	-14.2	754.9	727.4	27.47	27.479	
6,725.0	6,657.3	6,627.4	6,594.3	21.0	7.5	65.95	458.9	-11.4	756.7	729.1	27.57	27.449	
6,750.0	6,682.3	6,658.3	6,625.1	21.0	7.5	66.06	458.3	-9.0	758.2	730.6	27.65	27.418	
6,775.0	6,707.3	6,685.4	6,652.1	21.1	7.5	66.15	457.9	-7.1	759.7	732.0	27.71	27.415	
6,800.0	6,732.3	6,713.2	6,679.9	21.1	7.6	66.22	457.6	-5.3	761.1	733.3	27.77	27.405	
6,825.0	6,757.3	6,738.0	6,704.7	21.1	7.6	66.28	457.4	-3.8	762.4	734.6	27.81	27.415	
6,850.0	6,782.3	6,756.6	6,723.2	21.1	7.6	66.32	457.3	-2.6	763.8	736.0	27.80	27.470	
6,875.0	6,807.3	6,775.0	6,741.5	21.1	7.6	66.37	457.3	-1.2	765.6	737.8	27.80	27.539	
6,900.0	6,832.3	6,786.9	6,753.4	21.1	7.6	66.40	457.3	-0.1	767.6	739.9	27.75	27.664	
6,925.0	6,857.3	6,807.6	6,774.0	21.1	7.7	66.45	457.5	1.9	769.9	742.1	27.76	27.735	
6,950.0	6,882.3	6,833.8	6,800.1	21.1	7.7	66.51	457.8	4.4	772.2	744.4	27.81	27.771	
6,975.0	6,907.3	6,866.7	6,832.8	21.1	7.7	66.55	458.3	7.3	774.3	746.4	27.90	27.757	
7,000.0	6,932.3	6,894.3	6,860.3	21.1	7.8	66.58	458.8	9.4	776.3	748.3	27.95	27.776	
7,025.0	6,957.3	6,913.6	6,879.6	21.2	7.8	66.60	459.2	10.9	778.3	750.3	27.95	27.850	
7,050.0	6,982.3	6,930.4	6,896.3	21.2	7.8	66.62	459.5	12.4	780.5	752.6	27.92	27.951	
7,075.0	7,007.3	6,950.0	6,915.8	21.2	7.8	66.65	460.0	14.4	783.1	755.1	27.92	28.043	
7,100.0	7,032.3	6,966.7	6,932.3	21.2	7.8	66.67	460.4	16.2	785.8	757.9	27.90	28.162	
7,125.0	7,057.3	6,991.6	6,957.1	21.2	7.9	66.71	461.1	19.0	788.6	760.7	27.94	28.225	
7,150.0	7,082.3	7,021.6	6,986.9	21.2	7.9	66.75	461.9	22.2	791.3	763.3	28.01	28.251	
7,175.0	7,107.3	7,060.1	7,025.3	21.2	7.9	66.77	463.0	25.8	793.8	765.6	28.14	28.212	
7,200.0	7,132.3	7,094.1	7,059.1	21.2	8.0	66.78	464.1	28.4	795.8	767.6	28.22	28.197	
7,225.0	7,157.3	7,120.0	7,085.0	21.2	8.0	66.78	464.8	30.2	797.7	769.4	28.26	28.227	
7,250.0	7,182.3	7,136.5	7,101.4	21.2	8.0	66.79	465.2	31.5	799.7	771.5	28.24	28.319	
7,275.0	7,207.3	7,150.0	7,114.9	21.3	8.0	66.81	465.5	32.7	802.0	773.8	28.20	28.441	
7,300.0	7,232.3	7,167.1	7,131.8	21.3	8.1	66.83	465.8	34.5	804.6	776.5	28.19	28.548	
7,325.0	7,257.3	7,187.6	7,152.2	21.3	8.1	66.87	466.2	36.8	807.5	779.3	28.20	28.639	
7,350.0	7,282.3	7,213.8	7,178.3	21.3	8.1	66.92	466.8	39.9	810.4	782.1	28.24	28.691	
7,375.0	7,307.3	7,248.8	7,213.0	21.3	8.2	66.98	467.6	43.7	813.1	784.7	28.35	28.682	
7,400.0	7,332.3	7,280.4	7,244.4	21.3	8.2	67.00	468.5	46.6	815.5	787.1	28.42	28.689	
7,425.0	7,357.3	7,303.4	7,267.3	21.3	8.2	67.01	469.2	48.7	817.8	789.4	28.45	28.751	
7,450.0	7,382.3	7,327.5	7,291.3	21.3	8.2	67.02	469.9	50.8	820.2	791.8	28.47	28.807	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,475.0	7,407.3	7,354.1	7,317.8	21.3	8.3	67.03	470.8	53.2	822.6	794.1	28.52	28.847	
7,500.0	7,432.3	7,375.0	7,338.6	21.3	8.3	67.04	471.5	55.1	825.0	796.5	28.52	28.923	
7,525.0	7,457.3	7,392.5	7,356.0	21.4	8.3	67.06	471.9	56.9	827.6	799.1	28.51	29.024	
7,550.0	7,482.3	7,411.3	7,374.7	21.4	8.3	67.10	472.1	59.1	830.4	801.9	28.52	29.120	
7,575.0	7,507.3	7,431.9	7,395.1	21.4	8.4	67.17	472.2	61.7	833.4	804.8	28.53	29.206	
7,600.0	7,532.3	7,455.1	7,418.1	21.4	8.4	67.25	472.3	64.7	836.4	807.8	28.57	29.277	
7,625.0	7,557.3	7,487.4	7,450.1	21.4	8.4	67.35	472.3	68.8	839.4	810.7	28.66	29.282	
7,650.0	7,582.3	7,516.4	7,479.0	21.4	8.5	67.44	472.4	72.3	842.1	813.4	28.74	29.304	
7,675.0	7,607.3	7,542.1	7,504.5	21.4	8.5	67.51	472.5	75.2	844.8	816.0	28.79	29.348	
7,700.0	7,632.3	7,568.5	7,530.7	21.4	8.5	67.59	472.5	78.3	847.5	818.6	28.84	29.385	
7,725.0	7,657.3	7,596.7	7,558.8	21.4	8.6	67.70	472.1	81.6	850.1	821.2	28.91	29.403	
7,750.0	7,682.3	7,623.7	7,585.5	21.4	8.6	67.83	471.3	84.9	852.6	823.6	28.98	29.423	
7,775.0	7,707.3	7,654.9	7,616.5	21.5	8.6	67.98	470.3	88.5	855.0	825.9	29.07	29.411	
7,800.0	7,732.3	7,689.8	7,651.2	21.5	8.7	68.14	469.3	92.1	857.1	827.9	29.18	29.369	
7,825.0	7,757.3	7,726.3	7,687.5	21.5	8.7	68.29	468.2	95.5	859.0	829.7	29.30	29.313	
7,850.0	7,782.3	7,751.5	7,712.6	21.5	8.7	68.39	467.5	97.6	860.7	831.3	29.35	29.322	
7,875.0	7,807.3	7,775.6	7,736.7	21.5	8.8	68.48	466.8	99.6	862.4	833.0	29.40	29.337	
7,900.0	7,832.3	7,803.7	7,764.6	21.5	8.8	68.59	465.9	101.9	864.0	834.6	29.46	29.329	
7,925.0	7,857.3	7,828.2	7,789.1	21.5	8.8	68.68	465.3	103.9	865.7	836.2	29.50	29.340	
7,950.0	7,882.3	7,858.9	7,819.6	21.5	8.9	68.79	464.4	106.2	867.2	837.6	29.58	29.314	
7,975.0	7,907.3	7,888.1	7,848.7	21.5	8.9	68.88	463.7	108.3	868.6	839.0	29.65	29.294	
8,000.0	7,932.3	7,919.2	7,879.8	21.6	8.9	68.98	462.9	110.3	869.9	840.1	29.73	29.259	
8,025.0	7,957.3	7,941.9	7,902.4	21.6	9.0	69.05	462.3	111.6	871.0	841.3	29.76	29.269	
8,050.0	7,982.3	7,958.8	7,919.3	21.6	9.0	69.10	461.8	112.8	872.4	842.6	29.76	29.316	
8,075.0	8,007.3	7,975.0	7,935.4	21.6	9.0	69.16	461.4	114.1	874.0	844.2	29.75	29.376	
8,100.0	8,032.3	7,988.3	7,948.6	21.6	9.0	69.20	461.1	115.3	875.9	846.1	29.73	29.463	
8,125.0	8,057.3	8,004.7	7,965.0	21.6	9.0	69.26	460.8	116.9	878.1	848.3	29.72	29.540	
8,150.0	8,082.3	8,026.0	7,986.1	21.6	9.1	69.34	460.3	119.2	880.4	850.6	29.75	29.593	
8,175.0	8,107.3	8,050.0	8,010.0	21.6	9.1	69.44	459.8	121.9	882.8	853.0	29.79	29.631	
8,200.0	8,132.3	8,073.2	8,033.0	21.6	9.1	69.53	459.2	124.5	885.3	855.4	29.83	29.675	
8,225.0	8,157.3	8,100.6	8,060.3	21.6	9.2	69.64	458.6	127.6	887.7	857.8	29.90	29.692	
8,250.0	8,182.3	8,128.6	8,088.1	21.7	9.2	69.75	458.0	130.7	890.1	860.1	29.96	29.706	
8,275.0	8,207.3	8,156.1	8,115.5	21.7	9.2	69.85	457.3	133.5	892.3	862.3	30.03	29.718	
8,300.0	8,232.3	8,181.4	8,140.6	21.7	9.3	69.94	456.7	136.2	894.6	864.5	30.08	29.744	
8,325.0	8,257.3	8,210.1	8,169.1	21.7	9.3	70.04	456.1	139.0	896.7	866.6	30.14	29.749	
8,350.0	8,282.3	8,233.4	8,192.3	21.7	9.3	70.12	455.7	141.3	898.9	868.7	30.18	29.783	
8,375.0	8,307.3	8,250.0	8,208.8	21.7	9.3	70.17	455.5	143.0	901.1	870.9	30.18	29.860	
8,400.0	8,332.3	8,266.1	8,224.9	21.7	9.4	70.21	455.4	144.7	903.6	873.4	30.17	29.948	
8,425.0	8,357.3	8,283.1	8,241.7	21.7	9.4	70.26	455.3	146.7	906.4	876.2	30.17	30.040	
8,450.0	8,382.3	8,303.9	8,262.4	21.7	9.4	70.31	455.4	149.3	909.3	879.1	30.19	30.115	
8,475.0	8,407.3	8,326.8	8,285.0	21.8	9.4	70.36	455.5	152.1	912.3	882.1	30.23	30.183	
8,500.0	8,432.3	8,355.8	8,313.8	21.8	9.5	70.43	455.7	155.7	915.3	885.0	30.29	30.215	
8,525.0	8,457.3	8,383.4	8,341.3	21.8	9.5	70.48	456.0	159.0	918.1	887.8	30.35	30.254	
8,550.0	8,482.3	8,410.8	8,368.5	21.8	9.5	70.53	456.2	162.1	920.9	890.5	30.40	30.291	
8,575.0	8,507.3	8,433.0	8,390.5	21.8	9.6	70.57	456.5	164.7	923.7	893.3	30.43	30.356	
8,600.0	8,532.3	8,450.0	8,407.4	21.8	9.6	70.61	456.6	166.7	926.6	896.2	30.43	30.451	
8,625.0	8,557.3	8,470.3	8,427.5	21.8	9.6	70.66	456.7	169.3	929.7	899.2	30.45	30.532	
8,650.0	8,582.3	8,490.7	8,447.7	21.8	9.6	70.72	456.6	172.1	932.9	902.4	30.47	30.616	
8,675.0	8,607.3	8,517.4	8,474.2	21.8	9.7	70.80	456.6	175.9	936.2	905.7	30.53	30.667	
8,700.0	8,632.3	8,561.7	8,518.1	21.9	9.7	70.91	456.6	181.5	939.2	908.6	30.67	30.620	
8,725.0	8,657.3	8,606.2	8,562.4	21.9	9.8	71.00	456.6	186.1	941.6	910.8	30.82	30.556	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,750.0	8,682.3	8,631.2	8,587.3	21.9	9.8	71.05	456.4	188.4	943.8	913.0	30.86	30.585	
8,775.0	8,707.3	8,654.5	8,610.5	21.9	9.8	71.12	456.1	190.7	946.0	915.1	30.90	30.621	
8,800.0	8,732.3	8,677.9	8,633.8	21.9	9.9	71.20	455.6	193.2	948.3	917.4	30.93	30.656	
8,825.0	8,757.3	8,707.1	8,662.8	21.9	9.9	71.29	455.0	196.1	950.5	919.5	31.00	30.661	
8,850.0	8,782.3	8,735.7	8,691.2	21.9	9.9	71.37	454.5	198.8	952.7	921.6	31.06	30.667	
8,875.0	8,807.3	8,766.1	8,721.5	21.9	10.0	71.45	454.1	201.5	954.7	923.5	31.14	30.661	
8,900.0	8,832.3	8,790.1	8,745.4	21.9	10.0	71.51	453.7	203.6	956.6	925.4	31.17	30.685	
8,925.0	8,857.3	8,810.2	8,765.4	21.9	10.0	71.56	453.4	205.4	958.6	927.4	31.19	30.731	
8,950.0	8,882.3	8,825.0	8,780.2	22.0	10.1	71.60	453.1	206.8	960.8	929.6	31.19	30.806	
8,975.0	8,907.3	8,843.7	8,798.7	22.0	10.1	71.66	452.7	208.8	963.1	931.9	31.20	30.866	
9,000.0	8,932.3	8,860.4	8,815.3	22.0	10.1	71.73	452.1	210.9	965.8	934.6	31.21	30.943	
9,025.0	8,957.3	8,879.6	8,834.4	22.0	10.1	71.82	451.4	213.4	968.6	937.3	31.24	31.009	
9,050.0	8,982.3	8,906.6	8,861.1	22.0	10.2	71.96	450.1	217.0	971.4	940.1	31.30	31.035	
9,075.0	9,007.3	8,931.3	8,885.5	22.0	10.2	72.09	448.8	220.3	974.2	942.9	31.35	31.072	
9,100.0	9,032.3	8,957.0	8,911.0	22.0	10.2	72.22	447.6	223.8	977.1	945.6	31.41	31.104	
9,125.0	9,057.3	8,989.2	8,942.8	22.0	10.3	72.38	446.1	227.9	979.8	948.3	31.48	31.127	
9,150.0	9,082.3	9,028.0	8,981.3	22.0	10.3	72.56	444.3	232.4	982.2	950.7	31.58	31.107	
9,161.2	9,093.6	9,039.0	8,992.2	22.0	10.3	72.61	443.8	233.6	983.3	951.7	31.59	31.130	
9,175.0	9,107.3	9,053.3	9,006.4	22.0	10.3	72.62	443.2	235.2	984.4	952.8	31.61	31.142	
9,200.0	9,132.3	9,076.4	9,029.4	22.0	10.4	72.57	442.1	237.7	986.3	954.7	31.65	31.161	
9,225.0	9,157.1	9,123.4	9,076.2	22.0	10.4	72.89	440.3	242.1	987.4	955.6	31.80	31.047	
9,250.0	9,181.8	9,152.2	9,104.9	22.0	10.4	73.17	439.3	244.5	988.0	956.1	31.87	30.998	
9,275.0	9,206.3	9,179.8	9,132.4	22.1	10.4	73.57	438.4	246.6	988.1	956.1	31.95	30.929	
9,300.0	9,230.4	9,205.9	9,158.4	22.1	10.4	74.06	437.5	248.5	987.8	955.7	32.03	30.844	
9,325.0	9,254.1	9,231.6	9,184.0	22.1	10.4	74.66	436.5	250.3	987.1	955.0	32.11	30.739	
9,350.0	9,277.5	9,260.5	9,212.8	22.1	10.5	75.44	435.5	252.3	986.2	953.9	32.23	30.598	
9,375.0	9,300.3	9,288.0	9,240.1	22.1	10.5	76.35	433.7	254.2	984.8	952.5	32.35	30.438	
9,400.0	9,322.5	9,312.3	9,264.1	22.1	10.5	77.33	430.6	256.1	983.3	950.8	32.49	30.267	
9,425.0	9,344.1	9,313.0	9,264.9	22.1	10.5	77.53	430.5	256.2	981.8	949.3	32.50	30.210	
9,450.0	9,365.0	9,329.1	9,280.6	22.1	10.5	78.33	427.6	257.8	980.3	947.7	32.61	30.063	
9,475.0	9,385.2	9,336.2	9,287.5	22.1	10.5	78.78	426.1	258.6	979.2	946.5	32.68	29.966	
9,500.0	9,404.6	9,342.5	9,293.6	22.1	10.5	79.17	424.7	259.5	978.4	945.6	32.75	29.874	
9,525.0	9,423.1	9,360.0	9,310.3	22.1	10.5	80.11	420.2	262.1	978.0	945.1	32.90	29.730	
9,550.0	9,440.8	9,360.0	9,310.3	22.1	10.5	80.15	420.2	262.1	977.7	944.7	32.94	29.677	
9,557.0	9,445.6	9,360.0	9,310.3	22.1	10.5	80.15	420.2	262.1	977.7	944.7	32.96	29.664	
9,575.0	9,457.4	9,360.0	9,310.3	22.1	10.5	80.14	420.2	262.1	977.8	944.8	33.00	29.633	
9,600.0	9,473.1	9,360.0	9,310.3	22.1	10.5	80.08	420.2	262.1	978.3	945.2	33.05	29.596	
9,625.0	9,487.8	9,360.0	9,310.3	22.1	10.5	79.97	420.2	262.1	979.2	946.1	33.12	29.568	
9,650.0	9,501.3	9,360.0	9,310.3	22.1	10.5	79.81	420.2	262.1	980.5	947.3	33.18	29.550	
9,675.0	9,513.8	9,360.0	9,310.3	22.2	10.5	79.61	420.2	262.1	982.3	949.0	33.25	29.542	
9,700.0	9,525.1	9,360.0	9,310.3	22.2	10.5	79.36	420.2	262.1	984.4	951.1	33.32	29.546	
9,725.0	9,535.2	9,360.0	9,310.3	22.2	10.5	79.06	420.2	262.1	986.9	953.5	33.39	29.560	
9,750.0	9,544.1	9,360.0	9,310.3	22.2	10.5	78.71	420.2	262.1	989.8	956.3	33.45	29.586	
9,775.0	9,551.7	9,360.0	9,310.3	22.2	10.5	78.33	420.2	262.1	993.1	959.5	33.52	29.624	
9,800.0	9,558.1	9,360.0	9,310.3	22.3	10.5	77.90	420.2	262.1	996.7	963.1	33.59	29.674	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
0.0	0.0	0.0	0.0	0.0	3.0	-46.55	541.4	-571.5	787.3				
25.0	25.0	14.0	14.0	0.5	3.0	-46.55	541.4	-571.5	787.2				
50.0	50.0	38.9	38.9	0.5	3.0	-46.56	541.3	-571.6	787.2	782.5	4.72	166.617	
75.0	75.0	63.8	63.8	0.5	3.0	-46.57	541.2	-571.7	787.2	782.5	4.72	166.616	
100.0	100.0	88.7	88.7	0.5	3.0	-46.58	541.1	-571.8	787.2	782.5	4.72	166.616	
125.0	125.0	113.7	113.7	0.6	3.0	-46.60	540.9	-572.0	787.3	782.5	4.76	165.453	
150.0	150.0	138.6	138.6	0.8	3.0	-46.62	540.7	-572.2	787.3	782.5	4.80	164.065	
175.0	175.0	163.6	163.6	0.9	3.0	-46.64	540.5	-572.4	787.3	782.4	4.85	162.471	
200.0	200.0	188.9	188.9	1.0	3.0	-46.67	540.3	-572.6	787.3	782.4	4.90	160.688	
225.0	225.0	214.0	214.0	1.1	3.0	-46.69	540.0	-572.9	787.3	782.3	4.94	159.417	
240.0	240.0	229.0	229.0	1.2	3.0	-46.71	539.9	-573.0	787.3	782.3	4.96	158.622	
250.0	250.0	238.9	238.8	1.2	3.0	-46.72	539.7	-573.1	787.3	782.3	4.98	158.078	
275.0	275.0	264.6	264.6	1.3	3.0	-46.75	539.5	-573.4	787.3	782.3	5.02	156.677	
300.0	300.0	290.3	290.3	1.4	3.0	-46.78	539.1	-573.7	787.3	782.2	5.07	155.215	
325.0	325.0	316.4	316.4	1.4	3.0	-46.81	538.8	-573.9	787.2	782.1	5.11	153.982	
350.0	350.0	342.4	342.4	1.5	3.0	-46.83	538.5	-574.1	787.1	782.0	5.15	152.710	
375.0	375.0	367.9	367.9	1.6	3.0	-46.86	538.1	-574.2	787.0	781.8	5.20	151.408	
400.0	400.0	392.2	392.2	1.6	3.0	-46.89	537.8	-574.4	786.9	781.6	5.24	150.084	
425.0	425.0	417.1	417.1	1.7	3.0	-46.91	537.4	-574.6	786.8	781.5	5.28	148.912	
450.0	450.0	441.9	441.9	1.8	3.0	-46.94	537.1	-574.8	786.7	781.4	5.33	147.726	
475.0	475.0	466.5	466.5	1.8	3.0	-46.97	536.7	-575.0	786.6	781.2	5.37	146.531	
500.0	500.0	491.4	491.4	1.9	3.1	-47.00	536.4	-575.2	786.5	781.1	5.41	145.327	
525.0	525.0	516.6	516.5	1.9	3.1	-47.03	536.0	-575.5	786.4	781.0	5.45	144.229	
550.0	550.0	541.5	541.5	2.0	3.1	-47.06	535.7	-575.7	786.4	780.9	5.49	143.124	
575.0	575.0	565.6	565.5	2.1	3.1	-47.09	535.4	-575.9	786.3	780.8	5.54	142.019	
599.6	599.6	588.6	588.6	2.1	3.1	-47.11	535.1	-576.1	786.3	780.7	5.58	140.940	
600.0	600.0	589.0	589.0	2.1	3.1	-47.11	535.1	-576.1	786.3	780.7	5.58	140.922	
625.0	625.0	612.8	612.7	2.2	3.1	-47.14	534.8	-576.4	786.3	780.7	5.62	139.916	
650.0	650.0	635.8	635.7	2.2	3.1	-47.17	534.5	-576.7	786.4	780.7	5.66	138.918	
675.0	675.0	658.5	658.5	2.3	3.1	-47.21	534.3	-577.1	786.5	780.8	5.70	137.938	
700.0	700.0	682.9	682.8	2.3	3.1	-47.24	534.1	-577.6	786.7	780.9	5.74	136.958	
725.0	725.0	707.4	707.4	2.4	3.1	-47.28	533.8	-578.1	786.9	781.1	5.78	136.045	
750.0	750.0	732.6	732.5	2.4	3.1	-47.32	533.6	-578.6	787.1	781.3	5.82	135.129	
775.0	775.0	756.7	756.6	2.5	3.1	-47.36	533.3	-579.1	787.3	781.5	5.87	134.219	
800.0	800.0	781.3	781.2	2.5	3.1	-47.39	533.2	-579.6	787.6	781.7	5.91	133.312	
825.0	825.0	808.6	808.5	2.6	3.1	-47.41	533.1	-580.0	787.8	781.8	5.95	132.438	
850.0	850.0	836.4	836.3	2.6	3.2	-47.43	533.0	-580.2	787.9	781.9	5.99	131.550	
875.0	875.0	867.8	867.7	2.6	3.2	-47.42	533.1	-580.2	787.9	781.9	6.03	130.631	
900.0	900.0	896.7	896.6	2.7	3.2	-47.38	533.3	-579.7	787.7	781.7	6.07	129.699	
925.0	925.0	921.5	921.4	2.7	3.1	-47.35	533.5	-579.1	787.5	781.4	6.11	128.810	
950.0	950.0	945.8	945.7	2.8	3.1	-47.31	533.8	-578.6	787.3	781.1	6.15	127.928	
975.0	975.0	970.5	970.4	2.8	3.1	-47.27	534.1	-578.1	787.1	780.9	6.19	127.051	
1,000.0	1,000.0	994.4	994.3	2.9	3.1	-47.23	534.3	-577.6	786.9	780.6	6.24	126.183	
1,025.0	1,025.0	1,019.6	1,019.4	2.9	3.1	-47.19	534.6	-577.1	786.7	780.4	6.28	125.350	
1,050.0	1,050.0	1,044.5	1,044.4	3.0	3.1	-47.16	534.8	-576.7	786.5	780.2	6.32	124.521	
1,075.0	1,075.0	1,068.4	1,068.3	3.0	3.1	-47.13	535.0	-576.3	786.4	780.0	6.36	123.701	
1,100.0	1,100.0	1,093.3	1,093.2	3.0	3.1	-47.11	535.1	-576.0	786.2	779.8	6.40	122.886	
1,125.0	1,125.0	1,118.1	1,118.0	3.1	3.1	-47.09	535.2	-575.7	786.1	779.7	6.44	122.102	
1,150.0	1,150.0	1,140.2	1,140.0	3.1	3.1	-47.07	535.3	-575.5	786.0	779.5	6.48	121.339	
1,175.0	1,175.0	1,165.2	1,165.1	3.2	3.1	-47.06	535.4	-575.4	786.0	779.5	6.52	120.585	
1,200.0	1,200.0	1,191.5	1,191.4	3.2	3.1	-47.05	535.5	-575.2	785.9	779.4	6.56	119.820	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
1,225.0	1,225.0	1,216.7	1,216.6	3.2	3.1	-47.04	535.6	-575.1	785.9	779.3	6.60	119.081	
1,250.0	1,250.0	1,242.7	1,242.6	3.3	3.1	-47.03	535.6	-574.9	785.8	779.1	6.64	118.338	
1,275.0	1,275.0	1,266.5	1,266.4	3.3	3.1	-47.02	535.6	-574.8	785.7	779.0	6.68	117.604	
1,300.0	1,300.0	1,289.2	1,289.1	3.4	3.1	-47.02	535.6	-574.7	785.6	778.9	6.72	116.896	
1,301.1	1,301.1	1,290.3	1,290.1	3.4	3.1	-47.02	535.6	-574.7	785.6	778.9	6.72	116.865	
1,325.0	1,325.0	1,311.9	1,311.7	3.4	3.1	-47.01	535.7	-574.7	785.7	778.9	6.76	116.233	
1,350.0	1,350.0	1,334.5	1,334.3	3.4	3.1	-47.01	535.8	-574.8	785.8	779.0	6.80	115.592	
1,375.0	1,375.0	1,357.5	1,357.4	3.5	3.2	-47.01	535.9	-574.9	786.0	779.1	6.84	114.962	
1,400.0	1,400.0	1,381.5	1,381.3	3.5	3.2	-47.02	535.9	-575.2	786.2	779.3	6.88	114.337	
1,425.0	1,425.0	1,405.3	1,405.1	3.6	3.2	-47.04	536.0	-575.5	786.5	779.5	6.91	113.735	
1,450.0	1,450.0	1,430.7	1,430.5	3.6	3.2	-47.05	536.0	-575.8	786.7	779.8	6.95	113.131	
1,475.0	1,475.0	1,456.2	1,456.1	3.6	3.2	-47.07	536.0	-576.2	787.0	780.0	6.99	112.524	
1,500.0	1,500.0	1,481.3	1,481.1	3.7	3.2	-47.09	535.9	-576.6	787.2	780.2	7.03	111.922	
1,525.0	1,525.0	1,507.2	1,507.0	3.7	3.2	-47.11	535.9	-576.9	787.5	780.4	7.07	111.331	
1,550.0	1,550.0	1,535.8	1,535.6	3.8	3.2	-47.10	536.2	-577.0	787.7	780.5	7.11	110.718	
1,575.0	1,575.0	1,562.6	1,562.4	3.8	3.2	-47.06	536.6	-576.6	787.7	780.6	7.15	110.102	
1,600.0	1,600.0	1,586.8	1,586.6	3.8	3.2	-47.02	537.1	-576.3	787.8	780.6	7.19	109.499	
1,625.0	1,625.0	1,611.1	1,610.9	3.9	3.2	-46.97	537.6	-575.9	787.9	780.6	7.23	108.917	
1,650.0	1,650.0	1,636.0	1,635.8	3.9	3.2	-46.93	538.1	-575.6	788.0	780.7	7.27	108.336	
1,675.0	1,675.0	1,660.0	1,659.7	3.9	3.2	-46.89	538.6	-575.3	788.1	780.8	7.31	107.764	
1,700.0	1,700.0	1,684.0	1,683.8	4.0	3.2	-46.85	539.1	-575.1	788.2	780.9	7.35	107.202	
1,725.0	1,725.0	1,708.9	1,708.6	4.0	3.2	-46.82	539.5	-574.9	788.4	781.0	7.39	106.651	
1,750.0	1,750.0	1,733.1	1,732.9	4.1	3.2	-46.80	539.9	-574.8	788.6	781.2	7.43	106.108	
1,775.0	1,775.0	1,758.1	1,757.9	4.1	3.2	-46.77	540.2	-574.7	788.8	781.3	7.47	105.565	
1,800.0	1,800.0	1,782.3	1,782.1	4.1	3.2	-46.76	540.5	-574.7	789.0	781.5	7.51	105.029	
1,825.0	1,825.0	1,805.7	1,805.5	4.2	3.2	-46.74	540.8	-574.7	789.2	781.7	7.55	104.513	
1,850.0	1,850.0	1,829.8	1,829.6	4.2	3.3	-46.73	541.1	-574.8	789.5	781.9	7.59	104.000	
1,875.0	1,875.0	1,853.5	1,853.3	4.2	3.3	-46.72	541.4	-575.0	789.8	782.2	7.63	103.493	
1,900.0	1,900.0	1,876.2	1,875.9	4.3	3.3	-46.72	541.7	-575.2	790.2	782.5	7.67	103.001	
1,925.0	1,925.0	1,900.0	1,899.8	4.3	3.3	-46.71	542.0	-575.4	790.6	782.9	7.71	102.519	
1,950.0	1,950.0	1,924.6	1,924.4	4.3	3.3	-46.71	542.4	-575.7	791.1	783.3	7.75	102.038	
1,975.0	1,975.0	1,950.5	1,950.3	4.4	3.3	-46.70	542.8	-576.0	791.5	783.8	7.79	101.550	
2,000.0	2,000.0	1,975.6	1,975.3	4.4	3.3	-46.69	543.2	-576.2	792.0	784.1	7.84	101.067	
2,025.0	2,025.0	2,003.7	2,003.5	4.4	3.3	31.16	543.7	-576.3	792.3	784.4	7.89	100.381	
2,050.0	2,050.0	2,049.1	2,048.9	4.5	3.3	31.27	544.6	-575.6	792.0	784.1	7.96	99.547	
2,075.0	2,075.0	2,095.4	2,095.1	4.5	3.3	31.52	545.6	-572.7	790.8	782.8	8.02	98.598	
2,100.0	2,100.0	2,121.4	2,120.9	4.5	3.3	31.70	546.3	-570.6	789.1	781.1	8.09	97.605	
2,125.0	2,125.0	2,145.5	2,145.0	4.6	3.4	31.89	547.0	-568.7	787.3	779.1	8.16	96.437	
2,150.0	2,149.9	2,169.5	2,168.8	4.6	3.4	32.09	547.6	-566.7	785.3	777.1	8.24	95.261	
2,175.0	2,174.9	2,194.9	2,194.2	4.7	3.4	32.32	548.4	-564.6	783.2	774.8	8.32	94.075	
2,200.0	2,199.8	2,220.8	2,220.0	4.7	3.4	32.55	549.1	-562.5	780.8	772.4	8.41	92.878	
2,225.0	2,224.8	2,253.4	2,252.4	4.7	3.4	32.87	549.9	-559.7	778.1	769.7	8.49	91.653	
2,250.0	2,249.7	2,287.6	2,286.5	4.8	3.4	33.24	550.7	-556.2	775.0	766.4	8.57	90.396	
2,275.0	2,274.6	2,321.9	2,320.5	4.8	3.4	33.65	551.3	-552.3	771.4	762.8	8.66	89.111	
2,300.0	2,299.5	2,353.4	2,351.8	4.9	3.4	34.06	551.7	-548.4	767.4	758.7	8.74	87.800	
2,325.0	2,324.3	2,386.0	2,384.0	4.9	3.4	34.53	552.1	-543.9	763.0	754.1	8.82	86.462	
2,350.0	2,349.1	2,412.7	2,410.5	5.0	3.4	34.95	552.3	-540.0	758.2	749.3	8.91	85.097	
2,375.0	2,373.9	2,436.2	2,433.7	5.1	3.4	35.35	552.5	-536.5	753.2	744.2	9.00	83.728	
2,400.0	2,398.7	2,457.8	2,455.0	5.1	3.5	35.72	552.7	-533.4	748.2	739.1	9.08	82.376	
2,425.0	2,423.4	2,475.0	2,472.1	5.2	3.5	36.03	552.8	-531.1	743.1	733.9	9.17	81.014	
2,450.0	2,448.2	2,496.0	2,493.0	5.3	3.5	36.39	552.8	-528.6	738.1	728.8	9.26	79.687	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,472.8	2,515.0	2,511.9	5.4	3.5	36.72	552.8	-526.6	733.0	723.7	9.35	78.387	
2,500.0	2,497.5	2,534.7	2,531.4	5.5	3.5	37.05	552.8	-524.6	728.0	718.6	9.44	77.114	
2,525.0	2,522.1	2,555.0	2,551.7	5.5	3.5	37.40	552.9	-522.8	723.0	713.5	9.51	76.008	
2,550.0	2,546.6	2,575.0	2,571.6	5.6	3.5	37.76	553.0	-521.1	717.9	708.4	9.58	74.917	
2,575.0	2,571.1	2,596.7	2,593.2	5.7	3.5	38.16	553.1	-519.3	712.9	703.2	9.65	73.844	
2,600.0	2,595.6	2,619.0	2,615.5	5.7	3.5	38.50	553.3	-517.5	707.8	698.1	9.70	72.938	
2,625.0	2,620.1	2,641.2	2,637.6	5.8	3.5	38.85	553.5	-515.8	702.8	693.1	9.79	71.819	
2,650.0	2,644.6	2,662.7	2,659.0	5.9	3.5	39.18	553.7	-514.3	698.0	688.1	9.87	70.730	
2,675.0	2,669.1	2,685.3	2,681.6	5.9	3.6	39.54	554.0	-512.7	693.2	683.3	9.95	69.673	
2,700.0	2,693.6	2,709.3	2,705.6	6.0	3.6	39.92	554.3	-511.0	688.5	678.5	10.03	68.642	
2,725.0	2,718.1	2,732.8	2,728.9	6.1	3.6	40.30	554.6	-509.4	683.9	673.8	10.11	67.625	
2,750.0	2,742.6	2,756.8	2,752.9	6.2	3.6	40.69	554.9	-507.8	679.3	669.1	10.19	66.631	
2,775.0	2,767.1	2,779.9	2,776.0	6.3	3.6	41.07	555.2	-506.2	674.7	664.5	10.28	65.660	
2,800.0	2,791.6	2,803.0	2,799.0	6.4	3.6	41.46	555.6	-504.7	670.2	659.9	10.36	64.713	
2,825.0	2,816.1	2,825.6	2,821.6	6.4	3.6	41.84	556.0	-503.2	665.8	655.4	10.44	63.770	
2,850.0	2,840.6	2,849.8	2,845.7	6.5	3.6	42.26	556.4	-501.6	661.5	651.0	10.52	62.854	
2,875.0	2,865.1	2,873.8	2,869.7	6.6	3.6	42.67	556.8	-500.1	657.2	646.6	10.61	61.960	
2,900.0	2,889.6	2,895.9	2,891.7	6.7	3.7	43.06	557.2	-498.7	652.9	642.3	10.69	61.083	
2,925.0	2,914.1	2,919.4	2,915.2	6.8	3.7	43.47	557.7	-497.3	648.8	638.0	10.77	60.221	
2,950.0	2,938.6	2,944.6	2,940.3	6.9	3.7	43.91	558.2	-495.8	644.7	633.8	10.86	59.383	
2,975.0	2,963.1	2,968.6	2,964.3	7.0	3.7	44.34	558.5	-494.4	640.6	629.7	10.94	58.559	
3,000.0	2,987.6	2,992.5	2,988.1	7.1	3.7	44.77	559.0	-493.0	636.6	625.5	11.02	57.755	
3,025.0	3,012.1	3,016.2	3,011.8	7.2	3.7	45.20	559.4	-491.6	632.6	621.4	11.11	56.960	
3,050.0	3,036.6	3,041.0	3,036.6	7.2	3.7	45.65	559.8	-490.2	628.6	617.4	11.19	56.188	
3,075.0	3,061.1	3,066.1	3,061.6	7.3	3.8	46.11	560.2	-488.7	624.6	613.4	11.27	55.433	
3,100.0	3,085.6	3,089.1	3,084.6	7.4	3.8	46.52	560.4	-487.6	620.7	609.4	11.35	54.686	
3,125.0	3,110.1	3,111.7	3,107.1	7.5	3.8	46.94	560.8	-486.4	616.9	605.5	11.43	53.953	
3,150.0	3,134.6	3,135.6	3,131.0	7.6	3.8	47.38	561.2	-485.2	613.2	601.7	11.52	53.248	
3,175.0	3,159.1	3,160.3	3,155.6	7.7	3.8	47.84	561.5	-484.0	609.5	597.9	11.60	52.562	
3,200.0	3,183.6	3,184.6	3,179.9	7.8	3.8	48.28	561.8	-482.9	605.8	594.1	11.68	51.889	
3,225.0	3,208.1	3,209.0	3,204.3	7.9	3.9	48.73	562.1	-481.9	602.2	590.4	11.76	51.226	
3,250.0	3,232.6	3,233.3	3,228.6	8.0	3.9	49.19	562.4	-480.8	598.6	586.7	11.83	50.579	
3,275.0	3,257.1	3,257.2	3,252.5	8.1	3.9	49.63	562.6	-479.8	595.0	583.1	11.91	49.946	
3,300.0	3,281.6	3,281.8	3,277.0	8.2	3.9	50.10	562.9	-478.8	591.5	579.5	11.99	49.332	
3,325.0	3,306.1	3,305.3	3,300.5	8.3	3.9	50.55	563.2	-477.8	588.0	575.9	12.07	48.725	
3,350.0	3,330.6	3,329.0	3,324.2	8.4	3.9	51.01	563.5	-476.8	584.6	572.5	12.14	48.136	
3,375.0	3,355.1	3,353.2	3,348.3	8.5	4.0	51.48	563.8	-475.8	581.3	569.0	12.22	47.566	
3,400.0	3,379.6	3,377.8	3,372.9	8.6	4.0	51.97	564.1	-474.8	577.9	565.7	12.29	47.012	
3,425.0	3,404.1	3,401.9	3,397.1	8.7	4.0	52.45	564.4	-473.8	574.7	562.3	12.37	46.466	
3,450.0	3,428.6	3,427.4	3,422.5	8.8	4.0	52.96	564.6	-472.8	571.4	559.0	12.44	45.938	
3,475.0	3,453.1	3,451.3	3,446.4	8.9	4.0	53.44	564.8	-471.9	568.2	555.7	12.51	45.414	
3,500.0	3,477.6	3,475.4	3,470.5	9.0	4.0	53.92	565.0	-471.0	565.0	552.4	12.58	44.906	
3,525.0	3,502.1	3,500.1	3,495.1	9.1	4.1	54.41	565.2	-470.2	561.9	549.2	12.65	44.409	
3,550.0	3,526.6	3,522.8	3,517.8	9.2	4.1	54.87	565.4	-469.4	558.8	546.1	12.72	43.918	
3,575.0	3,551.1	3,547.1	3,542.1	9.3	4.1	55.36	565.7	-468.7	555.8	543.0	12.79	43.450	
3,600.0	3,575.6	3,571.8	3,566.8	9.4	4.1	55.86	565.8	-468.0	552.9	540.0	12.86	42.995	
3,625.0	3,600.1	3,595.9	3,590.8	9.5	4.1	56.34	566.0	-467.3	550.0	537.0	12.93	42.545	
3,650.0	3,624.6	3,620.0	3,615.0	9.6	4.2	56.83	566.2	-466.7	547.1	534.1	12.99	42.108	
3,675.0	3,649.1	3,644.6	3,639.6	9.8	4.2	57.34	566.4	-466.1	544.3	531.2	13.06	41.686	
3,700.0	3,673.6	3,669.5	3,664.4	9.9	4.2	57.85	566.5	-465.4	541.5	528.4	13.12	41.275	
3,725.0	3,698.1	3,692.8	3,687.7	10.0	4.2	58.33	566.7	-464.8	538.8	525.6	13.18	40.865	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,750.0	3,722.6	3,716.4	3,711.4	10.1	4.2	58.83	566.9	-464.3	536.1	522.9	13.25	40.472	
3,775.0	3,747.1	3,740.3	3,735.2	10.2	4.3	59.33	567.1	-463.7	533.6	520.2	13.31	40.093	
3,800.0	3,771.6	3,765.8	3,760.7	10.3	4.3	59.87	567.3	-463.1	531.0	517.7	13.37	39.733	
3,825.0	3,796.1	3,789.9	3,784.8	10.4	4.3	60.39	567.5	-462.5	528.5	515.1	13.42	39.370	
3,850.0	3,820.6	3,814.1	3,809.0	10.5	4.3	60.92	567.7	-461.9	526.0	512.6	13.48	39.021	
3,875.0	3,845.1	3,838.9	3,833.8	10.6	4.3	61.46	567.9	-461.4	523.6	510.1	13.54	38.684	
3,900.0	3,869.5	3,862.4	3,857.3	10.7	4.4	61.98	568.1	-460.8	521.2	507.7	13.59	38.351	
3,925.0	3,894.0	3,885.7	3,880.6	10.8	4.4	62.51	568.4	-460.2	519.0	505.3	13.65	38.030	
3,950.0	3,918.5	3,910.0	3,904.9	10.9	4.4	63.05	568.7	-459.6	516.8	503.1	13.70	37.724	
3,975.0	3,943.0	3,934.6	3,929.5	11.0	4.4	63.61	568.9	-459.1	514.7	500.9	13.75	37.428	
4,000.0	3,967.5	3,958.9	3,953.8	11.1	4.4	64.16	569.2	-458.5	512.6	498.8	13.80	37.139	
4,025.0	3,992.0	3,983.1	3,977.9	11.2	4.5	64.71	569.5	-458.0	510.5	496.7	13.85	36.857	
4,050.0	4,016.5	4,007.3	4,002.2	11.4	4.5	65.26	569.8	-457.5	508.5	494.6	13.90	36.586	
4,075.0	4,041.0	4,032.8	4,027.7	11.5	4.5	65.85	570.0	-457.0	506.6	492.6	13.95	36.325	
4,100.0	4,065.5	4,056.7	4,051.5	11.6	4.5	66.40	570.2	-456.5	504.7	490.7	13.99	36.063	
4,125.0	4,090.0	4,080.6	4,075.5	11.7	4.5	66.95	570.5	-456.1	502.8	488.8	14.04	35.811	
4,150.0	4,114.5	4,105.8	4,100.6	11.8	4.6	67.53	570.7	-455.7	501.0	486.9	14.09	35.570	
4,175.0	4,139.0	4,130.0	4,124.8	11.9	4.6	68.09	571.0	-455.3	499.3	485.1	14.13	35.331	
4,200.0	4,163.5	4,154.2	4,149.0	12.0	4.6	68.65	571.2	-454.9	497.6	483.4	14.18	35.099	
4,225.0	4,188.0	4,179.2	4,174.0	12.1	4.6	69.23	571.4	-454.6	495.9	481.7	14.22	34.874	
4,250.0	4,212.5	4,204.5	4,199.3	12.2	4.7	69.81	571.6	-454.4	494.3	480.0	14.26	34.654	
4,275.0	4,237.0	4,229.0	4,223.8	12.3	4.7	70.37	571.7	-454.2	492.6	478.3	14.31	34.435	
4,300.0	4,261.5	4,252.4	4,247.2	12.4	4.7	70.91	571.9	-454.0	491.1	476.8	14.35	34.218	
4,325.0	4,286.0	4,278.6	4,273.5	12.6	4.7	71.50	572.0	-453.9	489.6	475.2	14.39	34.015	
4,350.0	4,310.5	4,304.2	4,299.0	12.7	4.8	72.09	572.1	-453.7	488.1	473.6	14.44	33.810	
4,375.0	4,335.0	4,327.1	4,322.0	12.8	4.8	72.61	572.2	-453.6	486.6	472.1	14.48	33.601	
4,400.0	4,359.5	4,351.8	4,346.6	12.9	4.8	73.17	572.3	-453.6	485.2	470.7	14.53	33.404	
4,425.0	4,384.0	4,378.9	4,373.8	13.0	4.8	73.79	572.3	-453.6	483.8	469.2	14.56	33.221	
4,450.0	4,408.5	4,403.1	4,397.9	13.1	4.8	74.34	572.3	-453.5	482.4	467.8	14.60	33.031	
4,475.0	4,433.0	4,427.0	4,421.8	13.2	4.8	74.90	572.3	-453.5	481.0	466.4	14.64	32.844	
4,500.0	4,457.5	4,451.1	4,445.9	13.3	4.9	75.45	572.3	-453.5	479.7	465.0	14.69	32.660	
4,525.0	4,482.0	4,475.0	4,469.8	13.4	4.9	76.01	572.3	-453.4	478.5	463.8	14.73	32.481	
4,550.0	4,506.5	4,499.6	4,494.4	13.6	4.9	76.59	572.4	-453.3	477.4	462.6	14.78	32.307	
4,575.0	4,531.0	4,524.4	4,519.2	13.7	4.9	77.18	572.4	-453.3	476.3	461.5	14.82	32.135	
4,600.0	4,555.5	4,548.4	4,543.2	13.8	4.9	77.74	572.5	-453.3	475.2	460.4	14.87	31.964	
4,625.0	4,580.0	4,570.1	4,564.9	13.9	5.0	78.25	572.6	-453.3	474.3	459.4	14.92	31.795	
4,650.0	4,604.5	4,598.5	4,593.3	14.0	5.0	78.91	572.8	-453.4	473.5	458.5	14.96	31.651	
4,675.0	4,629.0	4,622.3	4,617.1	14.1	5.0	79.46	572.8	-453.5	472.5	457.5	15.00	31.492	
4,700.0	4,653.5	4,648.2	4,643.0	14.2	5.0	80.06	572.8	-453.7	471.6	456.6	15.05	31.341	
4,725.0	4,678.0	4,673.4	4,668.2	14.3	5.0	80.64	572.8	-453.8	470.7	455.7	15.09	31.191	
4,750.0	4,702.5	4,696.8	4,691.7	14.5	5.0	81.19	572.8	-454.0	469.9	454.8	15.14	31.039	
4,775.0	4,727.0	4,721.7	4,716.5	14.6	5.0	81.77	572.7	-454.1	469.1	453.9	15.18	30.895	
4,800.0	4,751.5	4,745.8	4,740.6	14.7	5.0	82.34	572.7	-454.2	468.4	453.2	15.23	30.751	
4,825.0	4,776.0	4,770.1	4,764.9	14.8	5.0	82.91	572.7	-454.4	467.8	452.5	15.28	30.610	
4,850.0	4,800.5	4,794.3	4,789.1	14.9	5.0	83.48	572.8	-454.5	467.2	451.8	15.33	30.471	
4,875.0	4,825.0	4,819.0	4,813.8	15.0	5.0	84.06	572.8	-454.7	466.6	451.2	15.38	30.335	
4,900.0	4,849.5	4,845.4	4,840.2	15.1	5.0	84.68	572.8	-454.9	466.1	450.7	15.43	30.201	
4,925.0	4,874.0	4,870.1	4,864.9	15.2	5.0	85.26	572.7	-455.1	465.5	450.1	15.49	30.064	
4,950.0	4,898.5	4,894.4	4,889.2	15.4	5.0	85.83	572.6	-455.3	465.0	449.5	15.54	29.929	
4,975.0	4,923.0	4,918.4	4,913.2	15.5	5.0	86.40	572.6	-455.5	464.6	449.0	15.59	29.796	
5,000.0	4,947.5	4,942.7	4,937.6	15.6	5.0	86.98	572.6	-455.7	464.3	448.6	15.65	29.666	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,025.0	4,972.0	4,967.7	4,962.5	15.7	5.0	87.57	572.5	-455.8	464.0	448.2	15.71	29.537	
5,050.0	4,996.5	4,992.9	4,987.7	15.8	5.0	88.17	572.5	-456.0	463.7	447.9	15.77	29.407	
5,075.0	5,021.0	5,017.6	5,012.4	15.9	5.0	88.75	572.4	-456.3	463.4	447.6	15.83	29.277	
5,100.0	5,045.5	5,043.7	5,038.5	16.0	5.0	89.35	572.3	-456.6	463.1	447.3	15.89	29.145	
5,125.0	5,070.0	5,068.8	5,063.6	16.1	5.0	89.94	572.1	-456.9	462.9	446.9	15.96	29.009	
5,150.0	5,094.5	5,093.1	5,087.9	16.3	5.0	90.52	571.9	-457.2	462.6	446.6	16.02	28.875	
5,175.0	5,119.0	5,117.1	5,111.9	16.4	5.0	91.08	571.7	-457.4	462.5	446.4	16.09	28.742	
5,200.0	5,143.5	5,141.5	5,136.3	16.5	5.0	91.66	571.6	-457.7	462.4	446.2	16.16	28.610	
5,225.0	5,168.0	5,166.6	5,161.4	16.6	5.0	92.24	571.4	-458.0	462.3	446.1	16.24	28.477	
5,250.0	5,192.4	5,192.1	5,186.9	16.7	5.0	92.84	571.2	-458.3	462.3	446.0	16.31	28.341	
5,269.2	5,211.2	5,210.7	5,205.5	16.8	5.0	93.29	571.0	-458.5	462.3	445.9	16.37	28.237	
5,275.0	5,216.9	5,216.2	5,211.0	16.8	5.0	93.42	571.0	-458.6	462.3	445.9	16.39	28.206	
5,300.0	5,241.4	5,238.2	5,233.0	16.9	5.0	93.94	570.9	-458.8	462.4	445.9	16.47	28.078	
5,325.0	5,265.9	5,258.6	5,253.4	17.1	5.0	94.44	570.8	-458.8	462.7	446.1	16.55	27.962	
5,350.0	5,290.4	5,278.2	5,273.0	17.2	5.0	94.95	570.9	-458.5	463.3	446.7	16.63	27.860	
5,375.0	5,314.9	5,300.0	5,294.8	17.3	5.0	95.54	571.1	-458.0	464.2	447.5	16.72	27.761	
5,400.0	5,339.4	5,324.9	5,319.7	17.4	5.1	96.22	571.4	-457.3	465.3	448.4	16.82	27.656	
5,425.0	5,363.9	5,347.3	5,342.1	17.5	5.1	96.83	571.7	-456.7	466.4	449.5	16.92	27.560	
5,450.0	5,388.4	5,372.4	5,367.2	17.6	5.1	97.50	572.1	-455.9	467.6	450.6	17.03	27.456	
5,475.0	5,412.9	5,396.3	5,391.0	17.7	5.1	98.15	572.4	-455.3	468.9	451.7	17.14	27.356	
5,498.0	5,435.5	5,417.9	5,412.6	17.8	5.1	98.72	572.7	-454.6	470.1	452.9	17.24	27.266	
5,500.0	5,437.4	5,419.8	5,414.5	17.8	5.1	98.77	572.7	-454.6	470.2	453.0	17.25	27.260	
5,525.0	5,461.9	5,444.8	5,439.5	18.0	5.2	99.45	573.1	-453.8	471.7	454.2	17.44	27.045	
5,550.0	5,486.5	5,469.1	5,463.8	18.1	5.2	100.08	573.5	-453.1	473.1	455.5	17.63	26.834	
5,575.0	5,511.1	5,491.0	5,485.7	18.3	5.2	100.64	573.8	-452.5	474.6	456.8	17.82	26.641	
5,600.0	5,535.7	5,512.9	5,507.6	18.4	5.2	101.19	574.2	-451.6	476.3	458.3	18.00	26.459	
5,625.0	5,560.3	5,536.2	5,530.8	18.6	5.3	101.77	574.8	-450.7	478.1	460.0	18.11	26.396	
5,650.0	5,585.0	5,560.4	5,555.0	18.7	5.3	102.34	575.3	-449.6	480.0	461.7	18.23	26.329	
5,675.0	5,609.7	5,584.6	5,579.2	18.8	5.3	102.90	575.9	-448.6	481.9	463.5	18.35	26.263	
5,700.0	5,634.4	5,608.5	5,603.0	18.9	5.3	103.42	576.5	-447.5	483.8	465.3	18.46	26.199	
5,725.0	5,659.1	5,632.3	5,626.8	19.0	5.3	103.92	577.1	-446.5	485.7	467.1	18.58	26.146	
5,750.0	5,683.9	5,657.7	5,652.2	19.1	5.4	104.43	577.8	-445.4	487.6	469.0	18.70	26.084	
5,775.0	5,708.7	5,683.4	5,677.8	19.2	5.4	104.93	578.4	-444.2	489.5	470.7	18.81	26.018	
5,800.0	5,733.5	5,708.4	5,702.8	19.3	5.4	105.38	579.0	-443.2	491.4	472.4	18.93	25.955	
5,825.0	5,758.3	5,734.8	5,729.2	19.4	5.4	105.84	579.6	-442.1	493.1	474.1	19.05	25.886	
5,850.0	5,783.1	5,759.9	5,754.2	19.5	5.5	106.25	580.1	-441.1	494.8	475.6	19.16	25.823	
5,875.0	5,808.0	5,784.5	5,778.8	19.6	5.5	106.64	580.5	-440.1	496.5	477.2	19.27	25.763	
5,900.0	5,832.9	5,809.1	5,803.4	19.7	5.5	107.01	581.0	-439.1	498.1	478.7	19.38	25.704	
5,925.0	5,857.8	5,834.6	5,828.9	19.8	5.5	107.37	581.4	-438.0	499.7	480.2	19.49	25.645	
5,950.0	5,882.7	5,860.7	5,854.9	19.9	5.6	107.71	581.9	-437.0	501.2	481.6	19.59	25.582	
5,975.0	5,907.6	5,887.1	5,881.3	20.0	5.6	108.03	582.3	-436.0	502.6	482.9	19.70	25.514	
6,000.0	5,932.5	5,913.4	5,907.6	20.1	5.6	108.32	582.7	-435.1	503.9	484.1	19.81	25.443	
6,025.0	5,957.5	5,939.4	5,933.6	20.2	5.6	108.59	582.9	-434.2	505.1	485.2	19.90	25.378	
6,050.0	5,982.4	5,964.4	5,958.6	20.3	5.7	108.84	583.2	-433.4	506.2	486.2	19.99	25.318	
6,075.0	6,007.4	5,990.2	5,984.4	20.4	5.7	109.07	583.4	-432.5	507.3	487.2	20.09	25.254	
6,100.0	6,032.4	6,015.6	6,009.7	20.5	5.7	109.27	583.6	-431.7	508.2	488.1	20.17	25.191	
6,125.0	6,057.4	6,041.0	6,035.2	20.5	5.7	109.45	583.8	-431.0	509.1	488.9	20.25	25.136	
6,150.0	6,082.4	6,067.5	6,061.6	20.6	5.8	109.61	584.0	-430.3	509.9	489.6	20.34	25.074	
6,175.0	6,107.3	6,093.1	6,087.3	20.7	5.8	109.75	584.1	-429.6	510.6	490.2	20.41	25.014	
6,200.0	6,132.3	6,117.8	6,111.9	20.8	5.8	109.87	584.3	-428.9	511.2	490.7	20.48	24.961	
6,225.0	6,157.3	6,144.8	6,138.9	20.8	5.8	109.97	584.4	-428.2	511.8	491.2	20.54	24.917	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,250.0	6,182.3	6,169.0	6,163.1	20.8	5.9	110.05	584.4	-427.6	512.2	491.6	20.58	24.888	
6,264.7	6,197.0	6,183.3	6,177.4	20.9	5.9	32.27	584.4	-427.2	512.4	491.8	20.60	24.872	
6,275.0	6,207.3	6,193.7	6,187.8	20.9	5.9	32.29	584.5	-427.0	512.6	492.0	20.62	24.866	
6,300.0	6,232.3	6,218.1	6,212.2	20.9	5.9	32.33	584.6	-426.5	513.0	492.4	20.64	24.858	
6,325.0	6,257.3	6,243.9	6,237.9	20.9	5.9	32.37	584.8	-425.9	513.5	492.8	20.68	24.828	
6,350.0	6,282.3	6,270.0	6,264.1	20.9	6.0	32.41	585.0	-425.4	513.9	493.1	20.73	24.794	
6,375.0	6,307.3	6,294.2	6,288.3	20.9	6.0	32.44	585.1	-425.0	514.2	493.5	20.76	24.770	
6,400.0	6,332.3	6,319.0	6,313.1	20.9	6.0	32.48	585.3	-424.5	514.6	493.8	20.80	24.745	
6,425.0	6,357.3	6,343.0	6,337.1	20.9	6.0	32.51	585.4	-424.0	515.0	494.2	20.83	24.724	
6,450.0	6,382.3	6,367.8	6,361.9	20.9	6.1	32.55	585.7	-423.5	515.5	494.6	20.87	24.702	
6,475.0	6,407.3	6,393.3	6,387.4	20.9	6.1	32.58	585.9	-423.0	516.0	495.0	20.91	24.676	
6,500.0	6,432.3	6,418.8	6,412.8	20.9	6.1	32.60	586.2	-422.6	516.4	495.4	20.95	24.649	
6,525.0	6,457.3	6,443.1	6,437.1	21.0	6.1	32.61	586.5	-422.4	516.8	495.8	20.98	24.631	
6,550.0	6,482.3	6,467.4	6,461.5	21.0	6.2	32.61	586.9	-422.1	517.3	496.2	21.01	24.616	
6,575.0	6,507.3	6,492.2	6,486.3	21.0	6.2	32.61	587.3	-421.9	517.7	496.7	21.05	24.599	
6,600.0	6,532.3	6,516.6	6,510.7	21.0	6.2	32.61	587.7	-421.6	518.2	497.2	21.08	24.585	
6,625.0	6,557.3	6,538.1	6,532.2	21.0	6.2	32.61	588.1	-421.3	518.8	497.7	21.10	24.590	
6,650.0	6,582.3	6,559.4	6,553.4	21.0	6.3	32.62	588.6	-420.8	519.6	498.5	21.12	24.604	
6,675.0	6,607.3	6,583.0	6,577.0	21.0	6.3	32.65	589.2	-420.2	520.5	499.4	21.15	24.610	
6,700.0	6,632.3	6,608.0	6,602.0	21.0	6.3	32.67	589.9	-419.5	521.4	500.3	21.19	24.609	
6,725.0	6,657.3	6,633.1	6,627.1	21.0	6.3	32.69	590.5	-418.9	522.4	501.1	21.23	24.607	
6,750.0	6,682.3	6,657.6	6,651.5	21.0	6.4	32.71	591.2	-418.3	523.3	502.0	21.26	24.610	
6,775.0	6,707.3	6,682.4	6,676.4	21.1	6.4	32.72	591.9	-417.6	524.3	503.0	21.30	24.611	
6,800.0	6,732.3	6,708.3	6,702.2	21.1	6.4	32.74	592.7	-417.0	525.2	503.8	21.34	24.606	
6,825.0	6,757.3	6,734.2	6,728.1	21.1	6.4	32.75	593.4	-416.4	526.1	504.7	21.39	24.600	
6,850.0	6,782.3	6,759.8	6,753.7	21.1	6.5	32.76	594.1	-415.8	526.9	505.5	21.42	24.594	
6,875.0	6,807.3	6,784.4	6,778.2	21.1	6.5	32.77	594.7	-415.3	527.8	506.3	21.46	24.594	
6,900.0	6,832.3	6,810.5	6,804.4	21.1	6.5	32.77	595.4	-414.8	528.6	507.1	21.50	24.585	
6,925.0	6,857.3	6,836.7	6,830.5	21.1	6.5	32.78	596.1	-414.3	529.4	507.8	21.54	24.572	
6,950.0	6,882.3	6,860.7	6,854.6	21.1	6.6	32.79	596.6	-413.8	530.1	508.6	21.58	24.569	
6,975.0	6,907.3	6,884.3	6,878.1	21.1	6.6	32.80	597.2	-413.3	531.0	509.4	21.61	24.572	
7,000.0	6,932.3	6,907.9	6,901.7	21.1	6.6	32.81	597.9	-412.8	531.8	510.2	21.64	24.577	
7,025.0	6,957.3	6,930.8	6,924.6	21.2	6.6	32.82	598.6	-412.3	532.8	511.1	21.67	24.588	
7,050.0	6,982.3	6,952.3	6,946.1	21.2	6.7	32.84	599.3	-411.6	533.9	512.2	21.69	24.611	
7,075.0	7,007.3	6,975.9	6,969.6	21.2	6.7	32.87	600.1	-410.7	535.1	513.4	21.73	24.628	
7,100.0	7,032.3	7,000.0	6,993.7	21.2	6.7	32.91	601.0	-409.8	536.4	514.6	21.77	24.644	
7,125.0	7,057.3	7,025.0	7,018.6	21.2	6.7	32.94	601.9	-408.8	537.7	515.9	21.81	24.658	
7,150.0	7,082.3	7,052.6	7,046.2	21.2	6.8	32.96	602.9	-407.9	538.9	517.1	21.86	24.656	
7,175.0	7,107.3	7,078.4	7,072.0	21.2	6.8	32.97	603.9	-407.2	540.1	518.2	21.90	24.662	
7,200.0	7,132.3	7,103.4	7,097.0	21.2	6.8	32.97	604.8	-406.6	541.2	519.3	21.94	24.671	
7,225.0	7,157.3	7,127.0	7,120.6	21.2	6.8	32.96	605.7	-406.0	542.4	520.4	21.97	24.690	
7,250.0	7,182.3	7,155.1	7,148.6	21.2	6.9	32.96	606.8	-405.4	543.5	521.5	22.02	24.686	
7,275.0	7,207.3	7,181.6	7,175.1	21.3	6.9	32.95	607.7	-404.9	544.5	522.4	22.06	24.683	
7,300.0	7,232.3	7,205.3	7,198.8	21.3	6.9	32.95	608.5	-404.4	545.5	523.4	22.09	24.694	
7,325.0	7,257.3	7,228.3	7,221.7	21.3	6.9	32.95	609.4	-403.9	546.6	524.4	22.12	24.711	
7,350.0	7,282.3	7,252.4	7,245.8	21.3	7.0	32.93	610.4	-403.4	547.7	525.6	22.15	24.727	
7,375.0	7,307.3	7,276.2	7,269.6	21.3	7.0	32.91	611.5	-402.9	548.9	526.7	22.18	24.748	
7,400.0	7,332.3	7,302.6	7,296.0	21.3	7.0	32.89	612.6	-402.4	550.1	527.9	22.22	24.757	
7,425.0	7,357.3	7,327.9	7,321.2	21.3	7.0	32.87	613.7	-402.0	551.2	529.0	22.25	24.769	
7,450.0	7,382.3	7,353.2	7,346.5	21.3	7.1	32.85	614.8	-401.5	552.4	530.1	22.29	24.780	
7,475.0	7,407.3	7,378.6	7,371.9	21.3	7.1	32.84	615.8	-401.0	553.5	531.1	22.33	24.788	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,500.0	7,432.3	7,402.5	7,395.8	21.3	7.1	32.85	616.6	-400.3	554.6	532.2	22.36	24.800	
7,525.0	7,457.3	7,426.6	7,419.9	21.4	7.1	32.88	617.4	-399.4	555.8	533.4	22.40	24.809	
7,550.0	7,482.3	7,452.3	7,445.5	21.4	7.2	32.92	618.2	-398.5	556.9	534.5	22.45	24.812	
7,575.0	7,507.3	7,477.9	7,471.1	21.4	7.2	32.94	619.1	-397.6	558.1	535.6	22.49	24.815	
7,600.0	7,532.3	7,503.0	7,496.2	21.4	7.2	32.96	620.0	-396.9	559.2	536.7	22.53	24.820	
7,625.0	7,557.3	7,529.2	7,522.3	21.4	7.3	32.97	620.8	-396.1	560.3	537.7	22.58	24.820	
7,650.0	7,582.3	7,556.4	7,549.5	21.4	7.3	32.98	621.7	-395.4	561.3	538.7	22.62	24.812	
7,675.0	7,607.3	7,582.0	7,575.1	21.4	7.3	32.99	622.5	-394.8	562.3	539.6	22.67	24.809	
7,700.0	7,632.3	7,608.8	7,601.8	21.4	7.3	33.00	623.2	-394.2	563.2	540.5	22.71	24.798	
7,725.0	7,657.3	7,635.8	7,628.9	21.4	7.4	33.02	623.9	-393.6	564.0	541.3	22.76	24.782	
7,750.0	7,682.3	7,661.2	7,654.3	21.4	7.4	33.04	624.4	-393.0	564.8	542.0	22.80	24.768	
7,775.0	7,707.3	7,685.4	7,678.4	21.5	7.4	33.09	624.8	-392.2	565.6	542.7	22.84	24.759	
7,800.0	7,732.3	7,710.1	7,703.1	21.5	7.5	33.19	624.9	-390.9	566.3	543.5	22.89	24.740	
7,825.0	7,757.3	7,734.2	7,727.2	21.5	7.5	33.32	624.9	-389.4	567.2	544.2	22.94	24.723	
7,850.0	7,782.3	7,759.4	7,752.3	21.5	7.5	33.45	624.9	-387.9	568.0	545.0	23.00	24.701	
7,875.0	7,807.3	7,786.7	7,779.6	21.5	7.5	33.59	624.8	-386.2	568.8	545.8	23.06	24.669	
7,900.0	7,832.3	7,816.1	7,808.9	21.5	7.6	33.74	624.6	-384.6	569.5	546.3	23.13	24.620	
7,925.0	7,857.3	7,844.2	7,837.0	21.5	7.6	33.88	624.3	-383.1	569.9	546.7	23.19	24.572	
7,950.0	7,882.3	7,871.7	7,864.5	21.5	7.6	34.02	623.8	-381.7	570.3	547.0	23.26	24.522	
7,975.0	7,907.3	7,897.9	7,890.6	21.5	7.6	34.16	623.3	-380.4	570.6	547.3	23.31	24.475	
8,000.0	7,932.3	7,924.2	7,916.9	21.6	7.7	34.30	622.7	-379.2	570.8	547.4	23.37	24.425	
8,025.0	7,957.3	7,950.4	7,943.0	21.6	7.7	34.44	622.1	-377.9	571.0	547.5	23.42	24.374	
8,050.0	7,982.3	7,976.5	7,969.1	21.6	7.7	34.58	621.4	-376.7	571.1	547.6	23.48	24.322	
8,075.0	8,007.3	8,004.6	7,997.1	21.6	7.7	34.73	620.6	-375.4	571.1	547.6	23.54	24.258	
8,100.0	8,032.3	8,032.4	8,024.9	21.6	7.7	34.89	619.6	-374.2	571.0	547.4	23.61	24.188	
8,125.0	8,057.3	8,059.0	8,051.5	21.6	7.8	35.05	618.5	-373.0	570.8	547.2	23.67	24.121	
8,150.0	8,082.3	8,085.5	8,077.9	21.6	7.8	35.21	617.4	-371.9	570.6	546.8	23.72	24.050	
8,175.0	8,107.3	8,111.7	8,104.0	21.6	7.8	35.36	616.2	-370.8	570.3	546.5	23.78	23.981	
8,200.0	8,132.3	8,138.5	8,130.7	21.6	7.8	35.53	614.9	-369.7	569.9	546.0	23.84	23.905	
8,225.0	8,157.3	8,163.4	8,155.6	21.6	7.8	35.67	613.7	-368.8	569.5	545.6	23.89	23.839	
8,250.0	8,182.3	8,188.2	8,180.4	21.7	7.8	35.81	612.6	-367.9	569.1	545.1	23.94	23.775	
8,275.0	8,207.3	8,213.1	8,205.3	21.7	7.9	35.95	611.5	-367.0	568.7	544.7	23.98	23.711	
8,300.0	8,232.3	8,234.5	8,226.7	21.7	7.9	36.06	610.6	-366.3	568.3	544.3	24.01	23.666	
8,320.8	8,253.1	8,250.0	8,242.1	21.7	7.9	36.14	610.1	-365.6	568.2	544.2	24.03	23.648	
8,325.0	8,257.3	8,250.0	8,242.1	21.7	7.9	36.14	610.1	-365.6	568.2	544.2	24.02	23.660	
8,350.0	8,282.3	8,271.5	8,263.6	21.7	7.9	36.25	609.5	-364.7	568.4	544.4	24.05	23.634	
8,375.0	8,307.3	8,294.9	8,286.9	21.7	7.9	36.36	609.2	-363.6	568.8	544.7	24.09	23.609	
8,400.0	8,332.3	8,319.3	8,311.4	21.7	7.9	36.46	609.0	-362.6	569.2	545.1	24.14	23.581	
8,425.0	8,357.3	8,345.5	8,337.5	21.7	8.0	36.55	608.7	-361.6	569.7	545.5	24.19	23.548	
8,450.0	8,382.3	8,370.7	8,362.7	21.7	8.0	36.65	608.5	-360.6	570.0	545.8	24.24	23.517	
8,475.0	8,407.3	8,393.6	8,385.6	21.8	8.0	36.73	608.3	-359.7	570.5	546.2	24.28	23.497	
8,500.0	8,432.3	8,417.0	8,408.9	21.8	8.0	36.81	608.2	-358.8	571.0	546.7	24.32	23.479	
8,525.0	8,457.3	8,441.9	8,433.9	21.8	8.1	36.89	608.2	-357.8	571.5	547.2	24.36	23.457	
8,550.0	8,482.3	8,466.5	8,458.4	21.8	8.1	36.96	608.2	-356.9	572.1	547.7	24.41	23.437	
8,575.0	8,507.3	8,490.3	8,482.2	21.8	8.1	37.03	608.2	-356.0	572.7	548.2	24.45	23.421	
8,600.0	8,532.3	8,514.3	8,506.2	21.8	8.2	37.09	608.4	-355.2	573.3	548.8	24.49	23.408	
8,625.0	8,557.3	8,536.5	8,528.4	21.8	8.2	37.14	608.5	-354.4	574.0	549.5	24.53	23.404	
8,650.0	8,582.3	8,557.4	8,549.3	21.8	8.2	37.21	608.7	-353.4	574.9	550.3	24.56	23.408	
8,675.0	8,607.3	8,581.2	8,573.0	21.8	8.2	37.30	608.9	-352.1	575.9	551.3	24.60	23.406	
8,700.0	8,632.3	8,614.2	8,605.9	21.9	8.3	37.44	609.0	-350.3	576.7	552.0	24.69	23.360	
8,725.0	8,657.3	8,640.2	8,631.9	21.9	8.3	37.54	608.9	-349.1	577.3	552.6	24.74	23.333	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,750.0	8,682.3	8,666.2	8,657.9	21.9	8.3	37.65	608.7	-347.9	578.0	553.2	24.80	23.307	
8,775.0	8,707.3	8,694.8	8,686.4	21.9	8.3	37.78	608.3	-346.5	578.5	553.6	24.86	23.265	
8,800.0	8,732.3	8,716.9	8,708.6	21.9	8.4	37.88	608.0	-345.4	579.0	554.1	24.90	23.253	
8,825.0	8,757.3	8,739.2	8,730.8	21.9	8.4	37.98	607.9	-344.3	579.6	554.6	24.93	23.246	
8,850.0	8,782.3	8,761.6	8,753.1	21.9	8.4	38.07	607.8	-343.2	580.3	555.3	24.96	23.246	
8,875.0	8,807.3	8,783.9	8,775.4	21.9	8.4	38.15	607.9	-342.0	581.1	556.1	25.00	23.250	
8,900.0	8,832.3	8,810.0	8,801.5	21.9	8.4	38.24	608.1	-340.7	582.1	557.1	25.04	23.247	
8,925.0	8,857.3	8,833.6	8,825.1	21.9	8.4	38.32	608.4	-339.5	583.1	558.0	25.07	23.257	
8,950.0	8,882.3	8,862.1	8,853.6	22.0	8.4	38.40	608.6	-338.3	583.9	558.8	25.12	23.246	
8,975.0	8,907.3	8,890.6	8,882.1	22.0	8.4	38.48	608.7	-337.2	584.6	559.4	25.17	23.230	
9,000.0	8,932.3	8,918.4	8,909.9	22.0	8.4	38.55	608.7	-336.2	585.1	559.9	25.21	23.211	
9,025.0	8,957.3	8,945.5	8,936.9	22.0	8.5	38.61	608.7	-335.5	585.6	560.3	25.25	23.190	
9,050.0	8,982.3	8,973.1	8,964.5	22.0	8.5	38.66	608.7	-334.8	585.9	560.6	25.30	23.164	
9,075.0	9,007.3	9,001.1	8,992.5	22.0	8.5	38.71	608.6	-334.2	586.2	560.8	25.34	23.130	
9,100.0	9,032.3	9,029.0	9,020.4	22.0	8.5	38.77	608.3	-333.7	586.3	560.9	25.39	23.092	
9,125.0	9,057.3	9,055.9	9,047.2	22.0	8.5	38.83	607.9	-333.2	586.3	560.8	25.42	23.060	
9,150.0	9,082.3	9,082.7	9,074.1	22.0	8.5	38.88	607.5	-332.9	586.2	560.7	25.46	23.025	
9,161.2	9,093.6	9,157.0	9,147.7	22.0	8.5	39.59	599.5	-330.1	585.4	559.4	25.99	22.527	
9,175.0	9,107.3	9,217.9	9,206.1	22.0	8.6	41.29	583.6	-325.1	583.1	556.4	26.65	21.882	
9,200.0	9,132.3	9,250.9	9,236.4	22.0	8.6	43.09	571.2	-320.3	577.2	550.2	26.97	21.404	
9,225.0	9,157.1	9,305.3	9,284.5	22.0	8.7	46.53	547.8	-310.9	570.2	542.4	27.73	20.563	
9,250.0	9,181.8	9,362.6	9,333.4	22.0	8.7	50.99	519.2	-302.5	560.8	532.1	28.64	19.578	
9,275.0	9,206.3	9,413.3	9,374.7	22.1	8.8	55.97	490.6	-295.7	550.0	520.5	29.53	18.628	
9,300.0	9,230.4	9,490.7	9,433.7	22.1	8.9	64.48	441.0	-289.3	536.7	505.6	31.05	17.283	
9,325.0	9,254.1	9,547.2	9,474.3	22.1	9.0	72.33	401.8	-287.9	523.0	490.9	32.18	16.256	
9,350.0	9,277.5	9,562.3	9,484.7	22.1	9.1	76.04	390.8	-287.9	509.1	476.7	32.45	15.690	
9,375.0	9,300.3	9,571.5	9,491.0	22.1	9.1	79.08	384.0	-288.0	495.7	463.0	32.63	15.191	
9,400.0	9,322.5	9,579.0	9,496.0	22.1	9.1	81.83	378.6	-287.9	482.8	450.0	32.79	14.722	
9,425.0	9,344.1	9,584.7	9,499.8	22.1	9.1	84.25	374.3	-287.9	470.6	437.6	32.94	14.288	
9,450.0	9,365.0	9,588.7	9,502.5	22.1	9.1	86.32	371.3	-287.9	459.3	426.2	33.06	13.891	
9,475.0	9,385.2	9,591.3	9,504.2	22.1	9.1	88.03	369.4	-287.9	449.0	415.8	33.17	13.535	
9,500.0	9,404.6	9,592.4	9,504.9	22.1	9.1	89.36	368.6	-287.9	439.8	406.6	33.26	13.223	
9,525.0	9,423.1	9,592.1	9,504.8	22.1	9.1	90.33	368.8	-287.9	431.9	398.6	33.33	12.958	
9,550.0	9,440.8	9,590.6	9,503.7	22.1	9.1	90.94	369.9	-287.9	425.3	391.9	33.38	12.741	
9,575.0	9,457.4	9,587.9	9,502.0	22.1	9.1	91.21	371.9	-287.9	420.1	386.7	33.41	12.575	
9,600.0	9,473.1	9,584.1	9,499.4	22.1	9.1	91.15	374.8	-287.9	416.3	382.9	33.41	12.459	
9,625.0	9,487.8	9,579.3	9,496.2	22.1	9.1	90.77	378.3	-287.9	414.0	380.6	33.40	12.395	
9,650.0	9,501.3	9,573.6	9,492.3	22.1	9.1	90.11	382.6	-288.0	413.1	379.8	33.37	12.381 SF	
9,652.8	9,502.8	9,572.9	9,491.9	22.1	9.1	90.02	383.1	-288.0	413.1	379.7	33.36	12.383 CC, ES	
9,675.0	9,513.8	9,566.9	9,487.8	22.2	9.1	89.17	387.4	-288.0	413.7	380.3	33.32	12.416	
9,700.0	9,525.1	9,559.5	9,482.8	22.2	9.1	87.97	392.9	-287.9	415.6	382.3	33.25	12.498	
9,725.0	9,535.2	9,549.8	9,476.1	22.2	9.0	86.35	399.9	-287.9	418.7	385.5	33.15	12.629	
9,750.0	9,544.1	9,536.3	9,466.7	22.2	9.0	84.15	409.6	-287.9	422.9	389.9	33.03	12.805	
9,775.0	9,551.7	9,522.1	9,456.6	22.2	9.0	81.80	419.6	-288.1	428.1	395.2	32.90	13.011	
9,800.0	9,558.1	9,507.4	9,446.1	22.3	9.0	79.33	429.9	-288.5	434.1	401.3	32.78	13.241	
9,825.0	9,563.3	9,490.2	9,433.5	22.3	8.9	76.55	441.6	-289.1	440.7	408.0	32.66	13.495	
9,850.0	9,567.1	9,472.7	9,420.6	22.3	8.9	73.76	453.2	-290.1	447.8	415.3	32.54	13.762	
9,875.0	9,569.6	9,455.0	9,407.1	22.3	8.9	70.97	464.8	-291.4	455.3	422.9	32.43	14.041	
9,900.0	9,570.9	9,437.0	9,393.3	22.4	8.8	68.21	476.1	-293.0	463.1	430.8	32.32	14.328	
9,907.4	9,571.0	9,431.7	9,389.2	22.4	8.8	67.41	479.4	-293.6	465.4	433.1	32.29	14.414	
9,925.0	9,571.1	9,419.4	9,379.5	22.4	8.8	66.18	486.9	-295.0	471.1	438.9	32.22	14.624	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
9,950.0	9,571.3	9,405.9	9,368.8	22.4	8.8	64.82	495.0	-296.7	479.8	447.7	32.11	14.943	
9,975.0	9,571.5	9,394.4	9,359.6	22.5	8.8	63.68	501.6	-298.2	489.3	457.3	32.00	15.292	
10,000.0	9,571.7	9,383.5	9,350.7	22.5	8.8	62.58	507.7	-299.6	499.6	467.7	31.88	15.671	
10,025.0	9,571.9	9,373.2	9,342.2	22.6	8.7	61.54	513.5	-301.0	510.5	478.8	31.75	16.080	
10,050.0	9,572.1	9,367.0	9,337.1	22.6	8.7	60.92	516.8	-301.9	522.2	490.6	31.60	16.524	
10,075.0	9,572.3	9,354.2	9,326.4	22.7	8.7	59.65	523.6	-303.7	534.5	503.1	31.47	16.987	
10,100.0	9,572.5	9,345.4	9,319.0	22.7	8.7	58.78	528.2	-305.0	547.5	516.2	31.32	17.482	
10,125.0	9,572.7	9,337.0	9,311.9	22.8	8.7	57.94	532.4	-306.2	561.2	530.0	31.17	18.003	
10,150.0	9,572.9	9,328.9	9,304.9	22.8	8.7	57.15	536.5	-307.4	575.4	544.4	31.02	18.550	
10,175.0	9,573.2	9,320.0	9,297.2	22.9	8.7	56.28	540.8	-308.7	590.1	559.3	30.87	19.117	
10,200.0	9,573.4	9,312.0	9,290.3	22.9	8.7	55.49	544.7	-309.9	605.4	574.7	30.72	19.708	
10,225.0	9,573.6	9,302.9	9,282.4	23.0	8.7	54.61	548.9	-311.3	621.1	590.5	30.58	20.314	
10,250.0	9,573.8	9,294.2	9,274.8	23.1	8.7	53.78	552.9	-312.7	637.3	606.9	30.44	20.939	
10,275.0	9,574.0	9,285.9	9,267.5	23.1	8.6	52.98	556.6	-314.1	653.9	623.6	30.30	21.582	
10,300.0	9,574.2	9,273.0	9,256.1	23.2	8.6	51.75	562.2	-316.4	670.9	640.7	30.18	22.225	
10,325.0	9,574.4	9,273.0	9,256.1	23.3	8.6	51.75	562.2	-316.4	688.2	658.2	30.01	22.930	
10,350.0	9,574.6	9,273.0	9,256.1	23.3	8.6	51.75	562.2	-316.4	705.9	676.1	29.84	23.656	
10,375.0	9,574.8	9,273.0	9,256.1	23.4	8.6	51.75	562.2	-316.4	724.1	694.5	29.68	24.402	
10,400.0	9,575.0	9,258.1	9,242.9	23.5	8.6	50.36	568.4	-319.1	742.4	712.8	29.60	25.084	
10,425.0	9,575.2	9,254.0	9,239.1	23.6	8.6	49.97	570.0	-319.8	761.1	731.7	29.47	25.831	
10,450.0	9,575.4	9,249.9	9,235.4	23.6	8.6	49.60	571.7	-320.5	780.2	750.9	29.34	26.592	
10,475.0	9,575.6	9,246.0	9,231.9	23.7	8.6	49.24	573.2	-321.1	799.5	770.3	29.22	27.364	
10,500.0	9,575.8	9,242.1	9,228.4	23.8	8.6	48.89	574.7	-321.7	819.1	790.0	29.10	28.148	
10,525.0	9,576.0	9,226.0	9,213.6	23.9	8.6	47.47	580.7	-324.0	839.2	810.1	29.06	28.878	
10,550.0	9,576.2	9,226.0	9,213.6	24.0	8.6	47.47	580.7	-324.0	859.1	830.2	28.93	29.695	
10,575.0	9,576.4	9,226.0	9,213.6	24.0	8.6	47.47	580.7	-324.0	879.3	850.5	28.81	30.524	
10,600.0	9,576.6	9,226.0	9,213.6	24.1	8.6	47.47	580.7	-324.0	899.8	871.1	28.69	31.362	
10,625.0	9,576.8	9,226.0	9,213.6	24.2	8.6	47.47	580.7	-324.0	920.4	891.9	28.58	32.209	
10,650.0	9,577.0	9,226.0	9,213.6	24.3	8.6	47.47	580.7	-324.0	941.3	912.8	28.47	33.064	
10,675.0	9,577.2	9,226.0	9,213.6	24.4	8.6	47.47	580.7	-324.0	962.4	934.0	28.37	33.926	
10,700.0	9,577.4	9,226.0	9,213.6	24.5	8.6	47.47	580.7	-324.0	983.6	955.4	28.27	34.796	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-48.02	541.2	-601.5	809.2				
25.0	25.0	13.5	13.5	0.5	3.0	-48.02	541.2	-601.5	809.1				
50.0	50.0	39.4	39.4	0.5	3.0	-48.03	541.1	-601.5	809.1	804.4	4.72	171.247	
75.0	75.0	65.3	65.3	0.5	3.0	-48.04	540.9	-601.6	809.0	804.3	4.72	171.233	
100.0	100.0	91.2	91.2	0.5	3.0	-48.06	540.7	-601.7	809.0	804.2	4.72	171.213	
125.0	125.0	117.6	117.6	0.6	3.0	-48.08	540.3	-601.9	808.8	804.1	4.76	169.990	
150.0	150.0	143.2	143.2	0.8	3.0	-48.11	539.9	-602.0	808.7	803.9	4.80	168.525	
175.0	175.0	168.7	168.7	0.9	3.0	-48.14	539.5	-602.2	808.5	803.7	4.85	166.845	
200.0	200.0	192.1	192.1	1.0	3.0	-48.17	539.2	-602.3	808.4	803.5	4.90	164.977	
225.0	225.0	216.7	216.7	1.1	3.0	-48.19	538.8	-602.4	808.3	803.3	4.94	163.645	
250.0	250.0	241.9	241.9	1.2	3.0	-48.22	538.5	-602.6	808.1	803.2	4.98	162.241	
275.0	275.0	266.8	266.7	1.3	3.0	-48.24	538.2	-602.7	808.0	803.0	5.03	160.773	
300.0	300.0	291.2	291.1	1.4	3.0	-48.26	537.8	-602.9	807.9	802.8	5.07	159.254	
325.0	325.0	316.0	315.9	1.4	3.0	-48.29	537.5	-603.0	807.8	802.7	5.11	157.979	
350.0	350.0	341.8	341.8	1.5	3.0	-48.31	537.2	-603.2	807.7	802.6	5.16	156.669	
375.0	375.0	366.3	366.3	1.6	3.0	-48.34	536.8	-603.3	807.6	802.4	5.20	155.330	
400.0	400.0	392.2	392.1	1.6	3.0	-48.37	536.4	-603.5	807.5	802.3	5.24	153.968	
425.0	425.0	420.0	420.0	1.7	3.0	-48.40	536.0	-603.7	807.3	802.0	5.29	152.739	
450.0	450.0	445.8	445.8	1.8	3.0	-48.43	535.5	-603.8	807.1	801.8	5.33	151.481	
475.0	475.0	471.7	471.7	1.8	3.0	-48.46	535.0	-603.9	806.8	801.5	5.37	150.205	
500.0	500.0	496.5	496.5	1.9	3.1	-48.49	534.6	-603.9	806.6	801.2	5.42	148.916	
525.0	525.0	521.5	521.5	1.9	3.1	-48.52	534.1	-604.0	806.3	800.9	5.46	147.739	
550.0	550.0	546.7	546.7	2.0	3.1	-48.55	533.6	-604.1	806.0	800.5	5.50	146.552	
575.0	575.0	571.8	571.7	2.1	3.1	-48.57	533.1	-604.1	805.8	800.2	5.54	145.358	
600.0	600.0	596.3	596.2	2.1	3.1	-48.60	532.7	-604.2	805.5	799.9	5.59	144.165	
625.0	625.0	619.6	619.5	2.2	3.1	-48.63	532.2	-604.3	805.3	799.7	5.63	143.067	
650.0	650.0	642.3	642.3	2.2	3.1	-48.65	531.9	-604.4	805.1	799.4	5.67	141.988	
675.0	675.0	665.8	665.7	2.3	3.1	-48.68	531.5	-604.6	805.0	799.3	5.71	140.927	
695.9	695.9	683.9	683.9	2.3	3.1	-48.71	531.2	-604.8	805.0	799.2	5.75	140.062	
700.0	700.0	687.3	687.2	2.3	3.1	-48.71	531.2	-604.8	805.0	799.2	5.75	139.894	
725.0	725.0	708.2	708.1	2.4	3.1	-48.74	530.9	-605.2	805.1	799.3	5.79	138.966	
750.0	750.0	731.3	731.2	2.4	3.1	-48.77	530.7	-605.6	805.3	799.4	5.83	138.058	
775.0	775.0	755.6	755.5	2.5	3.1	-48.81	530.4	-606.1	805.5	799.6	5.87	137.154	
800.0	800.0	775.0	774.9	2.5	3.1	-48.84	530.3	-606.5	805.8	799.8	5.91	136.280	
825.0	825.0	796.8	796.7	2.6	3.1	-48.87	530.2	-607.1	806.2	800.2	5.95	135.480	
850.0	850.0	818.9	818.7	2.6	3.1	-48.90	530.2	-607.8	806.7	800.7	5.99	134.705	
875.0	875.0	843.5	843.4	2.6	3.2	-48.94	530.1	-608.6	807.3	801.3	6.03	133.929	
900.0	900.0	868.4	868.2	2.7	3.2	-48.98	530.1	-609.4	807.9	801.9	6.07	133.149	
925.0	925.0	893.5	893.3	2.7	3.2	-49.02	530.1	-610.2	808.6	802.5	6.11	132.407	
950.0	950.0	919.5	919.3	2.8	3.2	-49.07	530.0	-611.2	809.2	803.0	6.15	131.656	
975.0	975.0	944.6	944.4	2.8	3.2	-49.12	529.8	-612.0	809.7	803.5	6.19	130.904	
1,000.0	1,000.0	969.4	969.2	2.9	3.2	-49.17	529.7	-612.9	810.3	804.1	6.23	130.153	
1,025.0	1,025.0	993.1	992.9	2.9	3.2	-49.22	529.5	-613.8	810.9	804.6	6.26	129.445	
1,050.0	1,050.0	1,017.8	1,017.6	3.0	3.2	-49.27	529.4	-614.8	811.5	805.2	6.30	128.738	
1,075.0	1,075.0	1,043.1	1,042.8	3.0	3.2	-49.33	529.1	-615.8	812.2	805.8	6.34	128.029	
1,100.0	1,100.0	1,068.1	1,067.8	3.0	3.2	-49.39	528.9	-616.8	812.8	806.4	6.38	127.321	
1,125.0	1,125.0	1,092.1	1,091.8	3.1	3.2	-49.45	528.6	-617.9	813.4	807.0	6.42	126.649	
1,150.0	1,150.0	1,117.8	1,117.5	3.1	3.2	-49.52	528.3	-619.0	814.1	807.6	6.46	125.973	
1,175.0	1,175.0	1,142.4	1,142.1	3.2	3.3	-49.58	528.0	-620.1	814.7	808.2	6.50	125.300	
1,200.0	1,200.0	1,166.4	1,166.0	3.2	3.3	-49.65	527.7	-621.1	815.4	808.8	6.54	124.638	
1,225.0	1,225.0	1,191.0	1,190.5	3.2	3.3	-49.71	527.4	-622.3	816.0	809.5	6.58	124.003	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
1,250.0	1,250.0	1,215.6	1,215.1	3.3	3.3	-49.78	527.1	-623.4	816.7	810.1	6.62	123.369	
1,275.0	1,275.0	1,240.4	1,239.9	3.3	3.3	-49.85	526.8	-624.6	817.4	810.8	6.66	122.739	
1,300.0	1,300.0	1,265.2	1,264.7	3.4	3.3	-49.92	526.5	-625.8	818.1	811.4	6.70	122.111	
1,325.0	1,325.0	1,290.6	1,290.1	3.4	3.3	-49.99	526.2	-627.0	818.9	812.1	6.74	121.503	
1,350.0	1,350.0	1,315.7	1,315.1	3.4	3.3	-50.06	525.9	-628.1	819.5	812.8	6.78	120.896	
1,375.0	1,375.0	1,343.9	1,343.3	3.5	3.4	-50.14	525.6	-629.4	820.2	813.4	6.82	120.270	
1,400.0	1,400.0	1,377.8	1,377.2	3.5	3.4	-50.21	525.2	-630.6	820.7	813.8	6.86	119.590	
1,425.0	1,425.0	1,402.1	1,401.4	3.6	3.4	-50.26	524.9	-631.2	821.0	814.1	6.90	118.965	
1,450.0	1,450.0	1,427.5	1,426.8	3.6	3.4	-50.30	524.6	-631.9	821.4	814.4	6.94	118.335	
1,475.0	1,475.0	1,451.7	1,451.1	3.6	3.4	-50.34	524.4	-632.6	821.7	814.8	6.98	117.714	
1,500.0	1,500.0	1,475.0	1,474.3	3.7	3.4	-50.38	524.1	-633.2	822.1	815.1	7.02	117.107	
1,525.0	1,525.0	1,497.4	1,496.7	3.7	3.5	-50.42	524.0	-633.9	822.6	815.5	7.06	116.528	
1,550.0	1,550.0	1,521.6	1,521.0	3.8	3.5	-50.46	523.9	-634.6	823.1	816.0	7.10	115.949	
1,575.0	1,575.0	1,546.9	1,546.2	3.8	3.5	-50.50	523.7	-635.4	823.6	816.5	7.14	115.368	
1,600.0	1,600.0	1,571.7	1,571.0	3.8	3.5	-50.54	523.6	-636.2	824.1	816.9	7.18	114.791	
1,625.0	1,625.0	1,595.6	1,594.8	3.9	3.5	-50.58	523.5	-636.9	824.7	817.4	7.22	114.238	
1,650.0	1,650.0	1,623.6	1,622.8	3.9	3.5	-50.62	523.4	-637.7	825.2	817.9	7.26	113.657	
1,675.0	1,675.0	1,654.9	1,654.1	3.9	3.5	-50.63	523.6	-638.2	825.5	818.2	7.30	113.026	
1,700.0	1,700.0	1,680.8	1,680.1	4.0	3.5	-50.62	523.9	-638.3	825.8	818.4	7.35	112.413	
1,725.0	1,725.0	1,705.7	1,704.9	4.0	3.5	-50.61	524.1	-638.4	826.0	818.6	7.39	111.822	
1,750.0	1,750.0	1,730.1	1,729.4	4.1	3.5	-50.60	524.4	-638.5	826.3	818.8	7.43	111.236	
1,775.0	1,775.0	1,754.3	1,753.6	4.1	3.6	-50.60	524.6	-638.6	826.5	819.1	7.47	110.655	
1,800.0	1,800.0	1,778.8	1,778.1	4.1	3.6	-50.59	524.9	-638.8	826.8	819.3	7.51	110.075	
1,825.0	1,825.0	1,802.0	1,801.2	4.2	3.6	-50.58	525.1	-639.0	827.2	819.6	7.55	109.520	
1,850.0	1,850.0	1,825.0	1,824.2	4.2	3.6	-50.58	525.4	-639.2	827.5	819.9	7.59	108.974	
1,875.0	1,875.0	1,847.3	1,846.6	4.2	3.6	-50.59	525.6	-639.6	828.0	820.4	7.64	108.446	
1,900.0	1,900.0	1,870.4	1,869.6	4.3	3.6	-50.60	525.8	-640.0	828.5	820.8	7.68	107.927	
1,925.0	1,925.0	1,894.5	1,893.7	4.3	3.6	-50.61	526.0	-640.6	829.1	821.4	7.72	107.419	
1,950.0	1,950.0	1,919.5	1,918.7	4.3	3.6	-50.62	526.2	-641.1	829.7	821.9	7.76	106.908	
1,975.0	1,975.0	1,944.4	1,943.6	4.4	3.6	-50.63	526.5	-641.7	830.3	822.5	7.80	106.400	
2,000.0	2,000.0	1,970.6	1,969.8	4.4	3.7	-50.65	526.7	-642.3	830.8	823.0	7.85	105.883	
2,025.0	2,025.0	1,998.0	1,997.2	4.4	3.7	27.17	526.9	-642.8	831.2	823.3	7.91	105.122	
2,050.0	2,050.0	2,029.8	2,029.0	4.5	3.7	27.17	527.1	-643.3	831.3	823.4	7.97	104.252	
2,075.0	2,075.0	2,061.7	2,060.9	4.5	3.7	27.20	527.3	-643.4	831.0	823.0	8.04	103.320	
2,100.0	2,100.0	2,090.3	2,089.4	4.5	3.7	27.24	527.4	-643.3	830.3	822.2	8.11	102.391	
2,125.0	2,125.0	2,117.7	2,116.9	4.6	3.7	27.30	527.5	-643.1	829.4	821.2	8.19	101.281	
2,150.0	2,149.9	2,142.8	2,142.0	4.6	3.7	27.37	527.7	-642.8	828.2	819.9	8.27	100.158	
2,175.0	2,174.9	2,168.3	2,167.5	4.7	3.7	27.45	527.9	-642.5	826.8	818.4	8.35	99.020	
2,200.0	2,199.8	2,195.3	2,194.5	4.7	3.7	27.55	528.0	-642.1	825.2	816.7	8.43	97.864	
2,225.0	2,224.8	2,224.2	2,223.4	4.7	3.7	27.67	528.2	-641.6	823.3	814.8	8.52	96.684	
2,250.0	2,249.7	2,255.4	2,254.6	4.8	3.7	27.82	528.4	-640.8	821.0	812.4	8.60	95.483	
2,275.0	2,274.6	2,287.8	2,286.9	4.8	3.7	28.00	528.4	-639.7	818.4	809.7	8.68	94.257	
2,300.0	2,299.5	2,319.0	2,318.1	4.9	3.7	28.19	528.4	-638.3	815.3	806.6	8.77	93.005	
2,325.0	2,324.3	2,351.9	2,351.0	4.9	3.7	28.42	528.3	-636.6	811.9	803.0	8.85	91.713	
2,350.0	2,349.1	2,383.6	2,382.6	5.0	3.7	28.66	528.0	-634.6	808.0	799.0	8.94	90.391	
2,375.0	2,373.9	2,411.7	2,410.6	5.1	3.7	28.90	527.8	-632.6	803.8	794.7	9.03	89.045	
2,400.0	2,398.7	2,437.5	2,436.4	5.1	3.7	29.15	527.6	-630.7	799.3	790.1	9.11	87.693	
2,425.0	2,423.4	2,462.0	2,460.8	5.2	3.7	29.39	527.3	-628.9	794.6	785.4	9.21	86.312	
2,450.0	2,448.2	2,482.9	2,481.6	5.3	3.7	29.62	527.2	-627.4	789.8	780.5	9.30	84.931	
2,475.0	2,472.8	2,500.0	2,498.7	5.4	3.7	29.82	527.0	-626.3	785.0	775.6	9.39	83.572	
2,500.0	2,497.5	2,513.3	2,512.0	5.5	3.7	29.98	527.0	-625.6	780.3	770.8	9.49	82.243	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,525.0	2,522.1	2,525.0	2,523.7	5.5	3.7	30.12	527.0	-625.2	775.7	766.2	9.56	81.119	
2,550.0	2,546.6	2,544.9	2,543.6	5.6	3.7	30.33	527.0	-624.7	771.3	761.6	9.64	80.023	
2,575.0	2,571.1	2,565.0	2,563.6	5.7	3.7	30.55	527.1	-624.4	766.8	757.1	9.71	78.945	
2,600.0	2,595.6	2,588.0	2,586.7	5.7	3.7	30.74	527.1	-624.2	762.4	752.7	9.77	78.044	
2,625.0	2,620.1	2,612.3	2,610.9	5.8	3.7	30.95	527.3	-624.0	758.0	748.2	9.86	76.901	
2,650.0	2,644.6	2,636.4	2,635.1	5.9	3.7	31.16	527.4	-623.8	753.6	743.7	9.95	75.780	
2,675.0	2,669.1	2,661.0	2,659.7	5.9	3.7	31.38	527.5	-623.5	749.3	739.3	10.03	74.679	
2,700.0	2,693.6	2,685.8	2,684.5	6.0	3.7	31.60	527.7	-623.3	744.9	734.8	10.12	73.598	
2,725.0	2,718.1	2,710.1	2,708.7	6.1	3.7	31.82	527.8	-623.0	740.6	730.4	10.21	72.522	
2,750.0	2,742.6	2,734.2	2,732.8	6.2	3.7	32.04	527.9	-622.8	736.2	725.9	10.30	71.467	
2,775.0	2,767.1	2,758.6	2,757.2	6.3	3.7	32.26	528.0	-622.6	731.9	721.5	10.39	70.432	
2,800.0	2,791.6	2,783.5	2,782.2	6.4	3.7	32.49	528.1	-622.4	727.6	717.1	10.48	69.416	
2,825.0	2,816.1	2,808.1	2,806.7	6.4	3.7	32.72	528.2	-622.2	723.3	712.7	10.58	68.393	
2,850.0	2,840.6	2,832.5	2,831.2	6.5	3.7	32.94	528.3	-622.0	719.0	708.3	10.67	67.390	
2,875.0	2,865.1	2,856.4	2,855.0	6.6	3.7	33.17	528.3	-621.8	714.7	703.9	10.76	66.404	
2,900.0	2,889.6	2,879.2	2,877.9	6.7	3.7	33.39	528.4	-621.7	710.5	699.6	10.86	65.438	
2,925.0	2,914.1	2,903.9	2,902.6	6.8	3.7	33.63	528.6	-621.5	706.3	695.3	10.95	64.476	
2,950.0	2,938.6	2,928.7	2,927.4	6.9	3.7	33.87	528.7	-621.4	702.1	691.0	11.05	63.532	
2,975.0	2,963.1	2,953.4	2,952.1	7.0	3.7	34.12	528.8	-621.2	697.9	686.8	11.15	62.606	
3,000.0	2,987.6	2,977.5	2,976.1	7.1	3.7	34.36	528.9	-621.0	693.7	682.5	11.24	61.697	
3,025.0	3,012.1	3,001.6	3,000.3	7.2	3.7	34.60	529.1	-620.9	689.6	678.2	11.34	60.792	
3,050.0	3,036.6	3,026.4	3,025.0	7.2	3.7	34.86	529.2	-620.7	685.5	674.0	11.44	59.906	
3,075.0	3,061.1	3,051.0	3,049.6	7.3	3.7	35.11	529.3	-620.6	681.3	669.8	11.54	59.038	
3,100.0	3,085.6	3,075.0	3,073.7	7.4	3.7	35.37	529.4	-620.4	677.2	665.6	11.64	58.185	
3,125.0	3,110.1	3,099.0	3,097.6	7.5	3.7	35.62	529.6	-620.3	673.1	661.4	11.74	57.338	
3,150.0	3,134.6	3,123.1	3,121.8	7.6	3.7	35.89	529.8	-620.1	669.1	657.2	11.84	56.511	
3,175.0	3,159.1	3,147.9	3,146.6	7.7	3.7	36.15	529.9	-620.0	665.0	653.1	11.94	55.702	
3,200.0	3,183.6	3,172.9	3,171.6	7.8	3.7	36.43	530.0	-619.9	661.0	649.0	12.04	54.910	
3,225.0	3,208.1	3,196.9	3,195.5	7.9	3.7	36.69	530.1	-619.8	657.0	644.8	12.14	54.120	
3,250.0	3,232.6	3,221.5	3,220.1	8.0	3.7	36.97	530.3	-619.7	653.0	640.8	12.24	53.350	
3,275.0	3,257.1	3,246.3	3,244.9	8.1	3.8	37.25	530.4	-619.6	649.0	636.7	12.34	52.596	
3,300.0	3,281.6	3,270.1	3,268.7	8.2	3.8	37.52	530.5	-619.4	645.0	632.6	12.44	51.853	
3,325.0	3,306.1	3,295.1	3,293.8	8.3	3.8	37.81	530.6	-619.3	641.1	628.5	12.54	51.124	
3,350.0	3,330.6	3,319.5	3,318.2	8.4	3.8	38.10	530.7	-619.2	637.1	624.5	12.64	50.407	
3,375.0	3,355.1	3,343.5	3,342.1	8.5	3.8	38.38	530.8	-619.2	633.2	620.5	12.74	49.702	
3,400.0	3,379.6	3,367.6	3,366.2	8.6	3.8	38.66	530.9	-619.1	629.3	616.5	12.84	49.014	
3,425.0	3,404.1	3,392.4	3,391.1	8.7	3.8	38.96	531.1	-619.0	625.5	612.5	12.94	48.338	
3,450.0	3,428.6	3,417.5	3,416.1	8.8	3.8	39.27	531.2	-618.9	621.6	608.6	13.04	47.677	
3,475.0	3,453.1	3,442.1	3,440.7	8.9	3.8	39.58	531.3	-618.8	617.7	604.6	13.14	47.026	
3,500.0	3,477.6	3,466.4	3,465.0	9.0	3.8	39.89	531.5	-618.6	613.9	600.6	13.23	46.388	
3,525.0	3,502.1	3,491.0	3,489.7	9.1	3.8	40.20	531.6	-618.5	610.1	596.7	13.33	45.760	
3,550.0	3,526.6	3,516.0	3,514.6	9.2	3.9	40.52	531.6	-618.5	606.2	592.8	13.43	45.145	
3,575.0	3,551.1	3,539.9	3,538.5	9.3	3.9	40.83	531.7	-618.4	602.4	588.9	13.53	44.537	
3,600.0	3,575.6	3,563.7	3,562.4	9.4	3.9	41.13	531.8	-618.3	598.7	585.0	13.62	43.943	
3,625.0	3,600.1	3,588.4	3,587.1	9.5	3.9	41.46	531.9	-618.3	594.9	581.2	13.72	43.363	
3,650.0	3,624.6	3,613.0	3,611.6	9.6	3.9	41.78	531.9	-618.3	591.2	577.4	13.82	42.792	
3,675.0	3,649.1	3,636.9	3,635.5	9.8	3.9	42.10	532.0	-618.3	587.5	573.6	13.91	42.229	
3,700.0	3,673.6	3,661.3	3,659.9	9.9	3.9	42.43	532.1	-618.3	583.9	569.9	14.01	41.683	
3,725.0	3,698.1	3,685.9	3,684.5	10.0	3.9	42.76	532.2	-618.3	580.2	566.1	14.10	41.145	
3,750.0	3,722.6	3,710.0	3,708.6	10.1	4.0	43.09	532.2	-618.3	576.6	562.4	14.20	40.616	
3,775.0	3,747.1	3,734.2	3,732.9	10.2	4.0	43.43	532.3	-618.3	573.1	558.8	14.29	40.099	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,771.6	3,758.2	3,756.9	10.3	4.0	43.76	532.4	-618.4	569.5	555.1	14.38	39.593	
3,825.0	3,796.1	3,782.7	3,781.3	10.4	4.0	44.11	532.5	-618.4	566.0	551.5	14.48	39.098	
3,850.0	3,820.6	3,806.7	3,805.3	10.5	4.0	44.45	532.6	-618.5	562.5	548.0	14.57	38.611	
3,875.0	3,845.1	3,830.3	3,829.0	10.6	4.0	44.79	532.7	-618.6	559.1	544.5	14.66	38.135	
3,900.0	3,869.5	3,854.5	3,853.1	10.7	4.0	45.14	532.9	-618.7	555.8	541.0	14.75	37.673	
3,925.0	3,894.0	3,878.7	3,877.3	10.8	4.1	45.50	533.0	-618.9	552.4	537.6	14.84	37.220	
3,950.0	3,918.5	3,902.6	3,901.2	10.9	4.1	45.85	533.2	-619.0	549.1	534.2	14.93	36.777	
3,975.0	3,943.0	3,926.9	3,925.6	11.0	4.1	46.22	533.4	-619.2	545.9	530.9	15.02	36.347	
4,000.0	3,967.5	3,950.9	3,949.5	11.1	4.1	46.58	533.6	-619.3	542.7	527.6	15.11	35.925	
4,025.0	3,992.0	3,975.6	3,974.2	11.2	4.1	46.96	533.8	-619.5	539.5	524.3	15.19	35.515	
4,050.0	4,016.5	3,999.8	3,998.4	11.4	4.1	47.33	534.0	-619.7	536.4	521.1	15.28	35.111	
4,075.0	4,041.0	4,023.9	4,022.6	11.5	4.1	47.71	534.2	-619.9	533.2	517.9	15.36	34.718	
4,100.0	4,065.5	4,048.6	4,047.3	11.6	4.2	48.10	534.4	-620.1	530.2	514.7	15.44	34.336	
4,125.0	4,090.0	4,074.8	4,073.4	11.7	4.2	48.52	534.6	-620.3	527.1	511.6	15.52	33.966	
4,150.0	4,114.5	4,098.4	4,097.1	11.8	4.2	48.89	534.7	-620.5	524.0	508.4	15.60	33.590	
4,175.0	4,139.0	4,123.4	4,122.0	11.9	4.2	49.29	534.9	-620.8	520.9	505.3	15.68	33.230	
4,200.0	4,163.5	4,146.7	4,145.4	12.0	4.2	49.66	535.0	-621.0	517.9	502.2	15.76	32.870	
4,225.0	4,188.0	4,171.7	4,170.3	12.1	4.2	50.07	535.2	-621.3	515.0	499.1	15.83	32.527	
4,250.0	4,212.5	4,196.2	4,194.9	12.2	4.3	50.47	535.3	-621.7	512.0	496.1	15.91	32.188	
4,275.0	4,237.0	4,220.6	4,219.2	12.3	4.3	50.87	535.5	-622.0	509.1	493.1	15.98	31.856	
4,300.0	4,261.5	4,245.2	4,243.8	12.4	4.3	51.27	535.6	-622.3	506.2	490.2	16.05	31.533	
4,325.0	4,286.0	4,270.7	4,269.3	12.6	4.3	51.70	535.7	-622.7	503.4	487.2	16.12	31.221	
4,350.0	4,310.5	4,295.4	4,294.0	12.7	4.3	52.11	535.8	-623.0	500.5	484.3	16.19	30.909	
4,375.0	4,335.0	4,320.5	4,319.1	12.8	4.3	52.54	535.9	-623.4	497.6	481.3	16.26	30.607	
4,400.0	4,359.5	4,345.1	4,343.7	12.9	4.4	52.96	535.9	-623.7	494.7	478.4	16.32	30.308	
4,425.0	4,384.0	4,369.8	4,368.4	13.0	4.4	53.39	536.0	-624.0	491.9	475.5	16.39	30.016	
4,450.0	4,408.5	4,394.3	4,392.9	13.1	4.4	53.83	536.1	-624.3	489.1	472.6	16.45	29.730	
4,475.0	4,433.0	4,419.3	4,417.9	13.2	4.4	54.28	536.1	-624.5	486.3	469.8	16.51	29.454	
4,500.0	4,457.5	4,444.4	4,443.0	13.3	4.4	54.75	536.2	-624.7	483.5	467.0	16.57	29.185	
4,525.0	4,482.0	4,469.6	4,468.2	13.4	4.5	55.22	536.3	-625.0	480.7	464.1	16.62	28.921	
4,550.0	4,506.5	4,494.0	4,492.6	13.6	4.5	55.67	536.2	-625.2	478.0	461.3	16.68	28.658	
4,575.0	4,531.0	4,519.0	4,517.6	13.7	4.5	56.13	536.2	-625.5	475.2	458.5	16.73	28.404	
4,600.0	4,555.5	4,543.1	4,541.7	13.8	4.5	56.58	536.2	-625.9	472.5	455.7	16.79	28.150	
4,625.0	4,580.0	4,568.0	4,566.5	13.9	4.5	57.05	536.1	-626.2	469.8	453.0	16.84	27.907	
4,650.0	4,604.5	4,592.6	4,591.2	14.0	4.5	57.51	536.0	-626.6	467.2	450.3	16.89	27.667	
4,675.0	4,629.0	4,616.3	4,614.9	14.1	4.6	57.96	536.0	-627.0	464.6	447.6	16.94	27.430	
4,700.0	4,653.5	4,637.9	4,636.5	14.2	4.6	58.36	536.0	-627.4	462.1	445.1	16.99	27.190	
4,725.0	4,678.0	4,657.9	4,656.5	14.3	4.6	58.72	536.1	-628.0	459.8	442.8	17.06	26.955	
4,750.0	4,702.5	4,677.6	4,676.1	14.5	4.6	59.06	536.4	-628.8	457.9	440.7	17.12	26.739	
4,775.0	4,727.0	4,702.0	4,700.5	14.6	4.6	59.48	536.8	-629.9	456.1	438.9	17.18	26.554	
4,800.0	4,751.5	4,727.0	4,725.5	14.7	4.6	59.90	537.3	-631.1	454.3	437.1	17.22	26.376	
4,825.0	4,776.0	4,751.8	4,750.3	14.8	4.7	60.32	537.7	-632.2	452.6	435.3	17.27	26.200	
4,850.0	4,800.5	4,777.0	4,775.4	14.9	4.7	60.76	538.1	-633.4	450.8	433.5	17.32	26.030	
4,875.0	4,825.0	4,801.5	4,799.9	15.0	4.7	61.18	538.5	-634.5	449.1	431.7	17.37	25.861	
4,900.0	4,849.5	4,826.7	4,825.1	15.1	4.7	61.63	538.9	-635.6	447.4	430.0	17.41	25.700	
4,925.0	4,874.0	4,851.7	4,850.1	15.2	4.7	62.07	539.3	-636.7	445.7	428.3	17.45	25.540	
4,950.0	4,898.5	4,876.1	4,874.4	15.4	4.8	62.51	539.7	-637.8	444.0	426.5	17.49	25.382	
4,975.0	4,923.0	4,901.2	4,899.5	15.5	4.8	62.96	540.1	-638.9	442.4	424.9	17.53	25.232	
5,000.0	4,947.5	4,926.1	4,924.3	15.6	4.8	63.42	540.4	-640.0	440.8	423.2	17.57	25.084	
5,025.0	4,972.0	4,950.6	4,948.9	15.7	4.8	63.86	540.8	-641.1	439.1	421.5	17.61	24.938	
5,050.0	4,996.5	4,976.8	4,975.0	15.8	4.8	64.34	541.1	-642.3	437.5	419.9	17.64	24.798	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,021.0	5,002.5	5,000.7	15.9	4.9	64.80	541.4	-643.5	435.9	418.2	17.68	24.658	
5,100.0	5,045.5	5,028.1	5,026.2	16.0	4.9	65.27	541.6	-644.6	434.2	416.5	17.71	24.518	
5,125.0	5,070.0	5,052.8	5,050.9	16.1	4.9	65.72	541.7	-645.8	432.5	414.7	17.74	24.375	
5,150.0	5,094.5	5,078.3	5,076.4	16.3	4.9	66.19	541.9	-647.0	430.8	413.0	17.77	24.238	
5,175.0	5,119.0	5,102.7	5,100.8	16.4	4.9	66.64	542.0	-648.1	429.1	411.3	17.81	24.100	
5,200.0	5,143.5	5,127.2	5,125.3	16.5	5.0	67.10	542.1	-649.3	427.5	409.7	17.84	23.966	
5,225.0	5,168.0	5,152.6	5,150.6	16.6	5.0	67.58	542.3	-650.4	425.9	408.0	17.87	23.839	
5,250.0	5,192.4	5,178.0	5,176.0	16.7	5.0	68.06	542.3	-651.6	424.3	406.4	17.89	23.712	
5,275.0	5,216.9	5,203.2	5,201.1	16.8	5.0	68.54	542.4	-652.8	422.7	404.7	17.92	23.587	
5,300.0	5,241.4	5,228.7	5,226.6	16.9	5.1	69.04	542.4	-653.9	421.0	403.1	17.94	23.465	
5,325.0	5,265.9	5,253.6	5,251.5	17.1	5.1	69.53	542.4	-655.0	419.4	401.4	17.97	23.343	
5,350.0	5,290.4	5,279.0	5,276.9	17.2	5.1	70.03	542.4	-656.1	417.8	399.8	17.99	23.224	
5,375.0	5,314.9	5,304.4	5,302.3	17.3	5.1	70.54	542.3	-657.1	416.1	398.1	18.01	23.107	
5,400.0	5,339.4	5,328.8	5,326.6	17.4	5.1	71.04	542.2	-658.1	414.5	396.5	18.03	22.988	
5,425.0	5,363.9	5,353.7	5,351.5	17.5	5.2	71.56	542.1	-659.1	412.9	394.8	18.05	22.876	
5,450.0	5,388.4	5,378.4	5,376.2	17.6	5.2	72.08	542.0	-660.1	411.3	393.3	18.07	22.766	
5,475.0	5,412.9	5,403.5	5,401.3	17.7	5.2	72.61	541.9	-661.0	409.8	391.7	18.08	22.660	
5,498.0	5,435.5	5,426.4	5,424.2	17.8	5.2	73.10	541.8	-661.9	408.4	390.3	18.10	22.562	
5,500.0	5,437.4	5,428.4	5,426.2	17.8	5.2	73.14	541.8	-662.0	408.3	390.2	18.10	22.556	
5,525.0	5,461.9	5,453.2	5,451.0	18.0	5.2	73.64	541.7	-662.9	406.8	388.6	18.19	22.365	
5,550.0	5,486.5	5,476.5	5,474.2	18.1	5.3	74.10	541.6	-663.8	405.4	387.1	18.28	22.174	
5,575.0	5,511.1	5,503.0	5,500.7	18.3	5.3	74.60	541.5	-664.9	404.1	385.7	18.37	21.997	
5,600.0	5,535.7	5,526.9	5,524.6	18.4	5.3	75.03	541.3	-665.8	402.9	384.4	18.47	21.811	
5,625.0	5,560.3	5,552.1	5,549.8	18.6	5.3	75.47	541.2	-666.7	401.7	383.2	18.49	21.725	
5,650.0	5,585.0	5,577.8	5,575.4	18.7	5.4	75.90	541.0	-667.6	400.5	382.0	18.51	21.639	
5,675.0	5,609.7	5,602.3	5,600.0	18.8	5.4	76.30	540.9	-668.5	399.4	380.9	18.54	21.550	
5,700.0	5,634.4	5,628.1	5,625.7	18.9	5.4	76.69	540.7	-669.4	398.4	379.8	18.56	21.464	
5,725.0	5,659.1	5,653.3	5,650.9	19.0	5.4	77.06	540.4	-670.3	397.3	378.7	18.58	21.380	
5,750.0	5,683.9	5,677.9	5,675.5	19.1	5.4	77.40	540.2	-671.2	396.3	377.7	18.61	21.295	
5,775.0	5,708.7	5,703.1	5,700.7	19.2	5.5	77.73	539.9	-672.0	395.4	376.7	18.64	21.213	
5,800.0	5,733.5	5,728.3	5,725.9	19.3	5.5	78.03	539.7	-672.9	394.4	375.8	18.67	21.129	
5,825.0	5,758.3	5,753.1	5,750.6	19.4	5.5	78.31	539.4	-673.8	393.5	374.9	18.70	21.048	
5,850.0	5,783.1	5,777.9	5,775.4	19.5	5.5	78.57	539.1	-674.7	392.7	374.0	18.73	20.969	
5,875.0	5,808.0	5,803.9	5,801.4	19.6	5.6	78.81	538.8	-675.6	391.9	373.1	18.76	20.891	
5,900.0	5,832.9	5,829.7	5,827.2	19.7	5.6	79.04	538.4	-676.4	391.0	372.2	18.79	20.811	
5,925.0	5,857.8	5,854.8	5,852.3	19.8	5.6	79.25	538.0	-677.2	390.2	371.4	18.82	20.731	
5,950.0	5,882.7	5,879.1	5,876.5	19.9	5.6	79.42	537.7	-678.0	389.4	370.5	18.86	20.651	
5,975.0	5,907.6	5,904.4	5,901.8	20.0	5.6	79.59	537.3	-678.8	388.6	369.7	18.89	20.573	
6,000.0	5,932.5	5,929.8	5,927.2	20.1	5.7	79.73	536.9	-679.6	387.9	369.0	18.93	20.495	
6,025.0	5,957.5	5,955.0	5,952.4	20.2	5.7	79.84	536.5	-680.4	387.2	368.2	18.96	20.419	
6,050.0	5,982.4	5,979.6	5,977.0	20.3	5.7	79.94	536.1	-681.1	386.5	367.5	19.00	20.342	
6,075.0	6,007.4	6,004.9	6,002.2	20.4	5.7	80.01	535.7	-681.9	385.8	366.8	19.04	20.266	
6,100.0	6,032.4	6,030.1	6,027.4	20.5	5.7	80.06	535.3	-682.7	385.2	366.1	19.08	20.189	
6,125.0	6,057.4	6,055.2	6,052.6	20.5	5.8	80.08	534.8	-683.5	384.5	365.4	19.12	20.115	
6,150.0	6,082.4	6,080.1	6,077.5	20.6	5.8	80.08	534.4	-684.2	383.9	364.8	19.16	20.041	
6,175.0	6,107.3	6,105.4	6,102.7	20.7	5.8	80.06	533.9	-685.0	383.3	364.1	19.20	19.966	
6,200.0	6,132.3	6,130.8	6,128.1	20.8	5.8	80.02	533.5	-685.8	382.7	363.5	19.24	19.890	
6,225.0	6,157.3	6,155.7	6,153.0	20.8	5.9	79.95	533.0	-686.5	382.2	362.9	19.28	19.826	
6,250.0	6,182.3	6,180.6	6,177.9	20.8	5.9	79.85	532.5	-687.3	381.6	362.3	19.31	19.762	
6,264.7	6,197.0	6,195.2	6,192.5	20.9	5.9	1.97	532.3	-687.7	381.4	362.0	19.33	19.725	
6,275.0	6,207.3	6,205.5	6,202.7	20.9	5.9	1.92	532.1	-688.0	381.2	361.8	19.34	19.703	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,300.0	6,232.3	6,230.3	6,227.6	20.9	5.9	1.82	531.6	-688.7	380.7	361.3	19.37	19.651	
6,325.0	6,257.3	6,255.2	6,252.5	20.9	5.9	1.72	531.2	-689.4	380.2	360.8	19.41	19.587	
6,350.0	6,282.3	6,280.6	6,277.8	20.9	6.0	1.62	530.7	-690.0	379.7	360.3	19.45	19.524	
6,375.0	6,307.3	6,305.8	6,303.0	20.9	6.0	1.52	530.2	-690.7	379.2	359.7	19.49	19.459	
6,400.0	6,332.3	6,330.6	6,327.8	20.9	6.0	1.42	529.7	-691.4	378.7	359.2	19.53	19.393	
6,425.0	6,357.3	6,353.7	6,350.9	20.9	6.0	1.31	529.3	-692.1	378.3	358.7	19.57	19.324	
6,450.0	6,382.3	6,375.0	6,372.2	20.9	6.0	1.20	529.1	-692.9	378.0	358.4	19.63	19.258	
6,475.0	6,407.3	6,398.4	6,395.5	20.9	6.1	1.04	529.1	-693.9	377.9	358.3	19.68	19.204	
6,500.0	6,432.3	6,423.5	6,420.6	20.9	6.1	0.87	529.1	-695.1	377.9	358.2	19.73	19.156	
6,525.0	6,457.3	6,448.4	6,445.5	21.0	6.1	0.70	529.1	-696.2	377.9	358.1	19.78	19.108	
6,550.0	6,482.3	6,473.4	6,470.4	21.0	6.1	0.54	529.1	-697.2	377.9	358.1	19.83	19.061	
6,563.6	6,495.9	6,486.9	6,483.9	21.0	6.2	0.45	529.1	-697.8	377.9	358.1	19.85	19.036	
6,575.0	6,507.3	6,498.2	6,495.2	21.0	6.2	0.38	529.1	-698.3	377.9	358.0	19.87	19.015	
6,600.0	6,532.3	6,523.7	6,520.7	21.0	6.2	0.22	529.1	-699.4	377.9	358.0	19.92	18.970	
6,625.0	6,557.3	6,548.7	6,545.7	21.0	6.2	0.06	529.1	-700.4	377.9	357.9	19.97	18.922	
6,650.0	6,582.3	6,573.9	6,570.9	21.0	6.3	-0.10	529.1	-701.5	377.9	357.8	20.02	18.876	
6,675.0	6,607.3	6,599.4	6,596.3	21.0	6.3	-0.26	529.0	-702.5	377.8	357.7	20.07	18.828	
6,700.0	6,632.3	6,624.8	6,621.7	21.0	6.3	-0.43	528.9	-703.6	377.7	357.6	20.11	18.780	
6,725.0	6,657.3	6,651.0	6,647.9	21.0	6.3	-0.60	528.8	-704.7	377.6	357.4	20.16	18.731	
6,750.0	6,682.3	6,675.6	6,672.5	21.0	6.4	-0.75	528.6	-705.7	377.4	357.2	20.21	18.677	
6,775.0	6,707.3	6,700.0	6,696.9	21.1	6.4	-0.90	528.4	-706.8	377.3	357.0	20.26	18.623	
6,793.5	6,725.9	6,717.0	6,713.9	21.1	6.4	-1.01	528.4	-707.5	377.2	356.9	20.30	18.582	
6,800.0	6,732.3	6,722.6	6,719.5	21.1	6.4	-1.05	528.4	-707.7	377.2	356.9	20.32	18.569	
6,825.0	6,757.3	6,739.5	6,736.4	21.1	6.4	-1.16	528.5	-708.5	377.5	357.1	20.39	18.516	
6,850.0	6,782.3	6,758.0	6,754.8	21.1	6.4	-1.30	529.2	-709.4	378.4	357.9	20.46	18.491	
6,875.0	6,807.3	6,781.0	6,777.8	21.1	6.5	-1.49	530.2	-710.7	379.5	359.0	20.53	18.489	
6,900.0	6,832.3	6,806.4	6,803.1	21.1	6.5	-1.69	531.3	-712.0	380.6	360.1	20.58	18.494	
6,925.0	6,857.3	6,832.2	6,828.8	21.1	6.5	-1.91	532.4	-713.5	381.8	361.1	20.64	18.498	
6,950.0	6,882.3	6,858.3	6,854.8	21.1	6.5	-2.11	533.4	-714.9	382.8	362.1	20.69	18.501	
6,975.0	6,907.3	6,884.7	6,881.2	21.1	6.6	-2.32	534.4	-716.3	383.8	363.0	20.74	18.501	
7,000.0	6,932.3	6,911.2	6,907.6	21.1	6.6	-2.52	535.3	-717.7	384.6	363.8	20.80	18.496	
7,025.0	6,957.3	6,937.5	6,933.9	21.2	6.6	-2.73	536.0	-719.1	385.4	364.6	20.85	18.486	
7,050.0	6,982.3	6,963.4	6,959.8	21.2	6.6	-2.93	536.7	-720.5	386.1	365.2	20.90	18.472	
7,075.0	7,007.3	6,989.4	6,985.7	21.2	6.7	-3.13	537.3	-721.9	386.8	365.8	20.96	18.456	
7,100.0	7,032.3	7,015.3	7,011.6	21.2	6.7	-3.33	537.8	-723.3	387.4	366.4	21.01	18.436	
7,125.0	7,057.3	7,041.2	7,037.4	21.2	6.7	-3.54	538.3	-724.7	387.9	366.9	21.07	18.413	
7,150.0	7,082.3	7,067.7	7,063.9	21.2	6.8	-3.76	538.7	-726.3	388.4	367.3	21.12	18.387	
7,175.0	7,107.3	7,093.6	7,089.7	21.2	6.8	-3.98	539.0	-727.8	388.8	367.6	21.18	18.354	
7,200.0	7,132.3	7,117.9	7,114.0	21.2	6.8	-4.21	539.2	-729.4	389.1	367.9	21.25	18.315	
7,225.0	7,157.3	7,142.6	7,138.6	21.2	6.8	-4.45	539.5	-731.0	389.6	368.3	21.31	18.278	
7,250.0	7,182.3	7,167.6	7,163.5	21.2	6.9	-4.70	539.8	-732.8	390.0	368.6	21.38	18.241	
7,275.0	7,207.3	7,192.4	7,188.3	21.3	6.9	-4.95	540.1	-734.5	390.5	369.0	21.45	18.204	
7,300.0	7,232.3	7,217.3	7,213.1	21.3	6.9	-5.20	540.4	-736.2	390.9	369.4	21.52	18.168	
7,325.0	7,257.3	7,244.1	7,239.9	21.3	7.0	-5.48	540.7	-738.1	391.3	369.8	21.58	18.135	
7,350.0	7,282.3	7,271.1	7,266.8	21.3	7.0	-5.75	540.8	-740.0	391.6	370.0	21.64	18.095	
7,375.0	7,307.3	7,296.8	7,292.4	21.3	7.0	-6.01	540.9	-741.8	391.8	370.1	21.71	18.050	
7,400.0	7,332.3	7,321.9	7,317.5	21.3	7.0	-6.25	540.9	-743.5	392.0	370.2	21.78	18.002	
7,425.0	7,357.3	7,347.1	7,342.7	21.3	7.1	-6.50	540.9	-745.2	392.2	370.3	21.84	17.956	
7,450.0	7,382.3	7,371.7	7,367.2	21.3	7.1	-6.74	540.8	-746.8	392.4	370.5	21.91	17.908	
7,475.0	7,407.3	7,396.6	7,392.0	21.3	7.1	-6.98	540.8	-748.5	392.6	370.6	21.98	17.862	
7,500.0	7,432.3	7,422.4	7,417.8	21.3	7.1	-7.22	540.8	-750.1	392.8	370.7	22.04	17.818	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,525.0	7,457.3	7,447.9	7,443.2	21.4	7.2	-7.45	540.8	-751.7	392.9	370.8	22.11	17.773	
7,550.0	7,482.3	7,472.6	7,467.8	21.4	7.2	-7.66	540.7	-753.2	393.1	370.9	22.17	17.728	
7,575.0	7,507.3	7,497.9	7,493.1	21.4	7.2	-7.87	540.7	-754.6	393.2	371.0	22.23	17.685	
7,600.0	7,532.3	7,522.3	7,517.5	21.4	7.3	-8.06	540.7	-756.0	393.4	371.1	22.30	17.642	
7,625.0	7,557.3	7,546.5	7,541.6	21.4	7.3	-8.25	540.7	-757.3	393.6	371.2	22.36	17.601	
7,650.0	7,582.3	7,568.5	7,563.6	21.4	7.3	-8.42	540.8	-758.5	393.9	371.5	22.43	17.559	
7,675.0	7,607.3	7,587.1	7,582.2	21.4	7.3	-8.55	541.1	-759.4	394.5	372.0	22.52	17.520	
7,700.0	7,632.3	7,605.6	7,600.7	21.4	7.3	-8.67	541.8	-760.3	395.6	373.0	22.60	17.502	
7,725.0	7,657.3	7,628.0	7,623.0	21.4	7.4	-8.79	542.8	-761.4	396.9	374.2	22.67	17.510	
7,750.0	7,682.3	7,653.4	7,648.4	21.4	7.4	-8.93	544.1	-762.5	398.3	375.6	22.72	17.531	
7,775.0	7,707.3	7,678.6	7,673.5	21.5	7.4	-9.05	545.3	-763.6	399.7	376.9	22.77	17.552	
7,800.0	7,732.3	7,705.0	7,699.9	21.5	7.4	-9.16	546.5	-764.6	401.0	378.2	22.81	17.576	
7,825.0	7,757.3	7,729.2	7,724.0	21.5	7.5	-9.26	547.7	-765.5	402.3	379.4	22.87	17.592	
7,850.0	7,782.3	7,753.3	7,748.1	21.5	7.5	-9.35	548.9	-766.3	403.6	380.7	22.92	17.611	
7,875.0	7,807.3	7,778.1	7,772.8	21.5	7.5	-9.43	550.1	-767.1	405.0	382.0	22.97	17.635	
7,900.0	7,832.3	7,802.4	7,797.1	21.5	7.5	-9.51	551.4	-767.8	406.4	383.4	23.01	17.659	
7,925.0	7,857.3	7,827.5	7,822.2	21.5	7.6	-9.59	552.7	-768.7	407.8	384.8	23.06	17.686	
7,950.0	7,882.3	7,853.1	7,847.7	21.5	7.6	-9.68	554.0	-769.5	409.3	386.1	23.10	17.713	
7,975.0	7,907.3	7,879.1	7,873.6	21.5	7.6	-9.75	555.3	-770.3	410.6	387.5	23.14	17.741	
8,000.0	7,932.3	7,905.6	7,900.1	21.6	7.6	-9.82	556.6	-771.0	411.9	388.7	23.18	17.768	
8,025.0	7,957.3	7,931.9	7,926.4	21.6	7.7	-9.88	557.7	-771.6	413.1	389.9	23.22	17.792	
8,050.0	7,982.3	7,958.0	7,952.5	21.6	7.7	-9.94	558.8	-772.2	414.2	390.9	23.25	17.811	
8,075.0	8,007.3	7,982.8	7,977.2	21.6	7.7	-9.99	559.8	-772.8	415.3	392.0	23.30	17.824	
8,100.0	8,032.3	8,007.5	8,001.9	21.6	7.7	-10.05	560.8	-773.4	416.4	393.0	23.34	17.837	
8,125.0	8,057.3	8,032.6	8,026.9	21.6	7.8	-10.12	561.8	-774.1	417.5	394.1	23.39	17.851	
8,150.0	8,082.3	8,057.6	8,051.9	21.6	7.8	-10.18	562.8	-774.7	418.6	395.1	23.43	17.865	
8,175.0	8,107.3	8,083.5	8,077.8	21.6	7.8	-10.26	563.8	-775.4	419.7	396.2	23.47	17.880	
8,200.0	8,132.3	8,110.1	8,104.3	21.6	7.8	-10.33	564.7	-776.2	420.6	397.1	23.51	17.893	
8,225.0	8,157.3	8,136.1	8,130.3	21.6	7.9	-10.40	565.6	-776.9	421.6	398.0	23.55	17.902	
8,250.0	8,182.3	8,162.3	8,156.6	21.7	7.9	-10.47	566.4	-777.5	422.4	398.8	23.59	17.908	
8,275.0	8,207.3	8,188.5	8,182.7	21.7	7.9	-10.54	567.1	-778.2	423.2	399.6	23.63	17.911	
8,300.0	8,232.3	8,214.0	8,208.2	21.7	7.9	-10.62	567.7	-778.9	423.9	400.2	23.67	17.909	
8,325.0	8,257.3	8,239.5	8,233.7	21.7	8.0	-10.69	568.3	-779.5	424.6	400.9	23.71	17.907	
8,350.0	8,282.3	8,266.3	8,260.4	21.7	8.0	-10.76	568.9	-780.2	425.3	401.5	23.75	17.905	
8,375.0	8,307.3	8,291.7	8,285.9	21.7	8.0	-10.83	569.3	-780.8	425.8	402.0	23.79	17.896	
8,400.0	8,332.3	8,316.5	8,310.6	21.7	8.0	-10.90	569.8	-781.4	426.4	402.5	23.84	17.886	
8,425.0	8,357.3	8,341.4	8,335.5	21.7	8.1	-10.96	570.3	-782.0	427.0	403.1	23.88	17.877	
8,450.0	8,382.3	8,366.3	8,360.4	21.7	8.1	-11.02	570.7	-782.5	427.5	403.6	23.93	17.868	
8,475.0	8,407.3	8,391.0	8,385.1	21.8	8.1	-11.08	571.2	-783.0	428.1	404.1	23.97	17.859	
8,500.0	8,432.3	8,416.0	8,410.1	21.8	8.2	-11.14	571.7	-783.6	428.7	404.7	24.02	17.852	
8,525.0	8,457.3	8,440.7	8,434.7	21.8	8.2	-11.20	572.2	-784.1	429.3	405.3	24.06	17.843	
8,550.0	8,482.3	8,465.8	8,459.8	21.8	8.2	-11.25	572.8	-784.7	429.9	405.8	24.10	17.838	
8,575.0	8,507.3	8,491.5	8,485.6	21.8	8.2	-11.31	573.3	-785.2	430.5	406.4	24.14	17.833	
8,600.0	8,532.3	8,517.4	8,511.5	21.8	8.3	-11.36	573.7	-785.7	431.1	406.9	24.18	17.826	
8,625.0	8,557.3	8,543.3	8,537.3	21.8	8.3	-11.42	574.1	-786.3	431.6	407.3	24.22	17.817	
8,650.0	8,582.3	8,570.4	8,564.4	21.8	8.3	-11.49	574.5	-786.8	432.0	407.7	24.26	17.808	
8,675.0	8,607.3	8,598.7	8,592.7	21.8	8.4	-11.56	574.7	-787.4	432.2	407.9	24.29	17.797	
8,700.0	8,632.3	8,624.6	8,618.6	21.9	8.4	-11.62	574.7	-787.9	432.4	408.0	24.33	17.774	
8,725.0	8,657.3	8,651.3	8,645.3	21.9	8.4	-11.68	574.6	-788.4	432.4	408.0	24.36	17.751	
8,750.0	8,682.3	8,677.4	8,671.4	21.9	8.4	-11.75	574.5	-788.8	432.4	408.0	24.39	17.724	
8,775.0	8,707.3	8,702.2	8,696.2	21.9	8.5	-11.80	574.4	-789.2	432.3	407.9	24.43	17.694	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,800.0	8,732.3	8,727.5	8,721.5	21.9	8.5	-11.85	574.2	-789.6	432.3	407.8	24.47	17.665	
8,825.0	8,757.3	8,752.8	8,746.8	21.9	8.5	-11.91	574.1	-790.0	432.2	407.7	24.51	17.635	
8,850.0	8,782.3	8,778.7	8,772.7	21.9	8.6	-11.98	573.9	-790.4	432.1	407.5	24.54	17.604	
8,875.0	8,807.3	8,803.1	8,797.0	21.9	8.6	-12.04	573.6	-790.9	431.9	407.4	24.58	17.570	
8,900.0	8,832.3	8,828.1	8,822.1	21.9	8.6	-12.10	573.5	-791.3	431.9	407.2	24.62	17.538	
8,925.0	8,857.3	8,854.4	8,848.3	21.9	8.6	-12.18	573.2	-791.9	431.7	407.0	24.66	17.506	
8,950.0	8,882.3	8,878.2	8,872.1	22.0	8.6	-12.25	572.9	-792.4	431.6	406.9	24.71	17.469	
8,975.0	8,907.3	8,903.7	8,897.7	22.0	8.7	-12.33	572.7	-793.0	431.4	406.7	24.75	17.435	
9,000.0	8,932.3	8,928.4	8,922.4	22.0	8.7	-12.41	572.4	-793.5	431.3	406.5	24.79	17.400	
9,025.0	8,957.3	8,954.0	8,947.9	22.0	8.7	-12.50	572.2	-794.1	431.2	406.4	24.83	17.365	
9,050.0	8,982.3	8,979.7	8,973.6	22.0	8.8	-12.60	571.8	-794.8	431.0	406.1	24.87	17.328	
9,075.0	9,007.3	9,004.8	8,998.7	22.0	8.8	-12.69	571.5	-795.4	430.8	405.9	24.92	17.291	
9,100.0	9,032.3	9,029.9	9,023.8	22.0	8.8	-12.79	571.1	-796.1	430.6	405.7	24.96	17.254	
9,125.0	9,057.3	9,055.0	9,048.9	22.0	8.8	-12.88	570.8	-796.8	430.4	405.4	24.99	17.225	
9,150.0	9,082.3	9,080.1	9,074.0	22.0	8.8	-12.98	570.4	-797.5	430.2	405.2	25.02	17.195	
9,161.2	9,093.6	9,091.4	9,085.2	22.0	8.8	-13.03	570.2	-797.8	430.1	405.1	25.03	17.181	
9,175.0	9,107.3	9,105.2	9,099.1	22.0	8.8	-13.04	570.0	-798.2	429.8	404.7	25.05	17.158	
9,200.0	9,132.3	9,130.2	9,124.1	22.0	8.8	-13.23	569.6	-798.9	428.2	403.1	25.09	17.068	
9,225.0	9,157.1	9,155.1	9,149.0	22.0	8.9	-13.50	569.2	-799.7	425.4	400.3	25.14	16.922	
9,250.0	9,181.8	9,190.4	9,184.2	22.0	8.9	-14.03	568.2	-801.0	421.1	396.0	25.16	16.735	
9,275.0	9,206.3	9,326.1	9,315.6	22.1	8.9	-18.87	541.6	-816.7	412.6	386.7	25.93	15.910	
9,300.0	9,230.4	9,371.5	9,356.2	22.1	8.9	-22.72	524.0	-826.3	398.9	372.4	26.53	15.038	
9,325.0	9,254.1	9,405.6	9,385.3	22.1	9.0	-27.04	508.6	-835.1	383.6	356.5	27.06	14.175	
9,350.0	9,277.5	9,432.8	9,407.8	22.1	9.0	-31.77	495.1	-842.9	367.0	339.5	27.55	13.325	
9,375.0	9,300.3	9,456.0	9,426.2	22.1	9.0	-37.02	483.0	-849.8	349.7	321.6	28.02	12.479	
9,400.0	9,322.5	9,475.7	9,441.3	22.1	9.0	-42.72	472.1	-856.0	331.7	303.2	28.49	11.642	
9,425.0	9,344.1	9,490.5	9,452.4	22.1	9.0	-48.28	463.5	-860.9	313.5	284.6	28.93	10.836	
9,450.0	9,365.0	9,501.4	9,460.3	22.1	9.1	-53.49	457.0	-864.6	295.3	265.9	29.35	10.059	
9,475.0	9,385.2	9,507.4	9,464.6	22.1	9.1	-57.66	453.4	-866.7	277.4	247.6	29.74	9.325	
9,500.0	9,404.6	9,512.4	9,468.2	22.1	9.1	-61.60	450.3	-868.4	260.0	229.8	30.20	8.609	
9,525.0	9,423.1	9,515.6	9,470.5	22.1	9.1	-64.97	448.3	-869.6	243.3	212.6	30.71	7.925	
9,550.0	9,440.8	9,517.4	9,471.7	22.1	9.1	-67.70	447.3	-870.2	227.8	196.5	31.28	7.282	
9,575.0	9,457.4	9,517.7	9,472.0	22.1	9.1	-69.74	447.0	-870.3	213.6	181.7	31.91	6.692	
9,600.0	9,473.1	9,516.8	9,471.4	22.1	9.1	-71.08	447.6	-870.0	201.1	168.5	32.60	6.169	
9,625.0	9,487.8	9,514.8	9,469.9	22.1	9.1	-71.73	448.9	-869.3	190.7	157.4	33.30	5.726	
9,650.0	9,501.3	9,511.7	9,467.7	22.1	9.1	-71.71	450.7	-868.2	182.6	148.7	33.96	5.378	
9,675.0	9,513.8	9,507.7	9,464.9	22.2	9.1	-71.04	453.2	-866.8	177.3	142.8	34.51	5.138	
9,700.0	9,525.1	9,502.8	9,461.4	22.2	9.1	-69.76	456.1	-865.1	174.9	140.0	34.88	5.013	
9,708.3	9,528.6	9,501.0	9,460.0	22.2	9.1	-69.20	457.2	-864.5	174.7	139.7	34.95	4.998 CC, ES, SF	
9,725.0	9,535.2	9,496.0	9,456.4	22.2	9.0	-67.55	460.2	-862.8	175.3	140.3	35.04	5.004	
9,750.0	9,544.1	9,491.1	9,452.8	22.2	9.0	-65.65	463.1	-861.1	178.6	143.7	34.91	5.117	
9,775.0	9,551.7	9,484.6	9,448.0	22.2	9.0	-63.02	466.9	-858.9	184.5	149.9	34.59	5.334	
9,800.0	9,558.1	9,477.7	9,442.9	22.3	9.0	-60.06	470.9	-856.7	192.6	158.5	34.10	5.647	
9,825.0	9,563.3	9,470.3	9,437.3	22.3	9.0	-56.87	475.1	-854.3	202.5	169.0	33.51	6.044	
9,850.0	9,567.1	9,462.7	9,431.4	22.3	9.0	-53.52	479.3	-851.9	213.9	181.1	32.86	6.510	
9,875.0	9,569.6	9,449.0	9,420.7	22.3	9.0	-48.73	486.7	-847.7	226.6	194.2	32.42	6.990	
9,900.0	9,570.9	9,449.0	9,420.7	22.4	9.0	-47.32	486.7	-847.7	240.0	208.5	31.45	7.631	
9,907.4	9,571.0	9,449.0	9,420.7	22.4	9.0	-46.87	486.7	-847.7	244.1	213.0	31.16	7.835	
9,925.0	9,571.1	9,437.0	9,411.1	22.4	9.0	-44.22	493.0	-844.1	254.2	223.2	30.96	8.210	
9,950.0	9,571.3	9,428.2	9,404.0	22.4	9.0	-42.35	497.5	-841.5	269.5	239.1	30.41	8.864	
9,975.0	9,571.5	9,419.8	9,397.2	22.5	9.0	-40.61	501.7	-839.1	285.9	256.0	29.91	9.557	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,000.0	9,571.7	9,411.8	9,390.5	22.5	9.0	-38.99	505.6	-836.8	303.1	273.6	29.48	10.282	
10,025.0	9,571.9	9,401.0	9,381.5	22.6	9.0	-36.91	510.7	-833.8	321.0	291.8	29.17	11.003	
10,050.0	9,572.1	9,401.0	9,381.5	22.6	9.0	-36.91	510.7	-833.8	339.6	311.0	28.59	11.880	
10,075.0	9,572.3	9,390.7	9,372.8	22.7	8.9	-35.01	515.5	-831.1	358.7	330.3	28.37	12.643	
10,100.0	9,572.5	9,384.5	9,367.5	22.7	8.9	-33.93	518.3	-829.5	378.3	350.3	28.08	13.475	
10,125.0	9,572.7	9,378.6	9,362.4	22.8	8.9	-32.92	520.9	-828.0	398.4	370.6	27.81	14.325	
10,150.0	9,572.9	9,372.9	9,357.5	22.8	8.9	-31.99	523.3	-826.6	418.8	391.3	27.58	15.188	
10,175.0	9,573.2	9,367.4	9,352.7	22.9	8.9	-31.12	525.7	-825.3	439.6	412.3	27.37	16.062	
10,200.0	9,573.4	9,354.0	9,340.8	22.9	8.9	-29.11	531.2	-822.3	460.9	433.5	27.37	16.837	
10,225.0	9,573.6	9,354.0	9,340.8	23.0	8.9	-29.11	531.2	-822.3	482.1	455.0	27.09	17.798	
10,250.0	9,573.8	9,354.0	9,340.8	23.1	8.9	-29.11	531.2	-822.3	503.7	476.8	26.84	18.767	
10,275.0	9,574.0	9,354.0	9,340.8	23.1	8.9	-29.11	531.2	-822.3	525.6	498.9	26.62	19.745	
10,300.0	9,574.2	9,354.0	9,340.8	23.2	8.9	-29.11	531.2	-822.3	547.7	521.3	26.42	20.728	
10,325.0	9,574.4	9,339.3	9,327.6	23.3	8.9	-27.08	536.9	-819.2	569.7	543.2	26.51	21.491	
10,350.0	9,574.6	9,335.2	9,323.9	23.3	8.9	-26.56	538.4	-818.4	592.0	565.6	26.41	22.417	
10,375.0	9,574.8	9,331.3	9,320.4	23.4	8.9	-26.08	539.8	-817.7	614.5	588.2	26.32	23.346	
10,400.0	9,575.0	9,327.6	9,317.0	23.5	8.9	-25.62	541.1	-817.0	637.1	610.9	26.24	24.280	
10,425.0	9,575.2	9,324.0	9,313.7	23.6	8.9	-25.19	542.4	-816.3	659.9	633.7	26.17	25.216	
10,450.0	9,575.4	9,320.5	9,310.5	23.6	8.9	-24.78	543.6	-815.7	682.7	656.6	26.10	26.156	
10,475.0	9,575.6	9,306.0	9,296.9	23.7	8.9	-23.19	548.4	-813.3	705.9	679.7	26.20	26.947	
10,500.0	9,575.8	9,306.0	9,296.9	23.8	8.9	-23.19	548.4	-813.3	728.9	702.8	26.09	27.933	
10,525.0	9,576.0	9,306.0	9,296.9	23.9	8.9	-23.19	548.4	-813.3	751.9	725.9	26.00	28.920	
10,550.0	9,576.2	9,306.0	9,296.9	24.0	8.9	-23.19	548.4	-813.3	775.1	749.2	25.92	29.909	
10,575.0	9,576.4	9,306.0	9,296.9	24.0	8.9	-23.19	548.4	-813.3	798.4	772.6	25.84	30.898	
10,600.0	9,576.6	9,306.0	9,296.9	24.1	8.9	-23.19	548.4	-813.3	821.9	796.1	25.77	31.887	
10,625.0	9,576.8	9,306.0	9,296.9	24.2	8.9	-23.19	548.4	-813.3	845.4	819.6	25.71	32.877	
10,650.0	9,577.0	9,306.0	9,296.9	24.3	8.9	-23.19	548.4	-813.3	868.9	843.3	25.66	33.866	
10,675.0	9,577.2	9,306.0	9,296.9	24.4	8.9	-23.19	548.4	-813.3	892.6	867.0	25.61	34.856	
10,700.0	9,577.4	9,306.0	9,296.9	24.5	8.9	-23.19	548.4	-813.3	916.3	890.8	25.56	35.844	
10,725.0	9,577.6	9,306.0	9,296.9	24.6	8.9	-23.19	548.4	-813.3	940.1	914.6	25.52	36.832	
10,750.0	9,577.8	9,306.0	9,296.9	24.7	8.9	-23.19	548.4	-813.3	964.0	938.5	25.49	37.820	
10,775.0	9,578.0	9,288.5	9,280.4	24.8	8.9	-21.48	553.5	-810.7	987.3	961.7	25.61	38.552	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-36.13	741.6	-541.3	918.3				
25.0	25.0	10.5	10.5	0.5	3.0	-36.13	741.6	-541.3	918.1				
50.0	50.0	35.5	35.5	0.5	3.0	-36.13	741.6	-541.3	918.1	913.4	4.73	194.312	
75.0	75.0	60.5	60.5	0.5	3.0	-36.13	741.6	-541.3	918.1	913.4	4.73	194.308	
100.0	100.0	85.5	85.5	0.5	3.0	-36.13	741.6	-541.3	918.1	913.4	4.73	194.302	
125.0	125.0	110.5	110.5	0.6	3.0	-36.13	741.6	-541.3	918.1	913.4	4.76	192.927	
150.0	150.0	135.5	135.5	0.8	3.0	-36.13	741.6	-541.3	918.1	913.3	4.80	191.274	
175.0	175.0	160.5	160.5	0.9	3.0	-36.13	741.6	-541.3	918.1	913.3	4.85	189.371	
200.0	200.0	185.5	185.5	1.0	3.0	-36.13	741.6	-541.3	918.1	913.2	4.90	187.243	
225.0	225.0	210.5	210.5	1.1	3.0	-36.13	741.6	-541.3	918.1	913.2	4.94	185.702	
250.0	250.0	235.5	235.5	1.2	3.0	-36.13	741.6	-541.3	918.1	913.1	4.99	184.076	
275.0	275.0	260.5	260.5	1.3	3.0	-36.13	741.6	-541.3	918.1	913.1	5.03	182.372	
300.0	300.0	285.5	285.5	1.4	3.0	-36.13	741.6	-541.3	918.1	913.1	5.08	180.600	
325.0	325.0	310.5	310.5	1.4	3.0	-36.13	741.6	-541.3	918.1	913.0	5.13	179.092	
350.0	350.0	335.5	335.5	1.5	3.0	-36.13	741.6	-541.3	918.1	913.0	5.17	177.545	
375.0	375.0	360.5	360.5	1.6	3.0	-36.13	741.6	-541.3	918.1	912.9	5.22	175.964	
400.0	400.0	385.5	385.5	1.6	3.0	-36.13	741.6	-541.3	918.1	912.9	5.27	174.352	
425.0	425.0	410.5	410.5	1.7	3.0	-36.13	741.6	-541.3	918.1	912.8	5.31	172.908	
450.0	450.0	435.5	435.5	1.8	3.0	-36.13	741.6	-541.3	918.1	912.8	5.36	171.444	
475.0	475.0	460.5	460.5	1.8	3.0	-36.13	741.6	-541.3	918.1	912.7	5.40	169.965	
500.0	500.0	485.5	485.5	1.9	3.1	-36.13	741.6	-541.3	918.1	912.7	5.45	168.472	
525.0	525.0	510.5	510.5	1.9	3.1	-36.13	741.6	-541.3	918.1	912.6	5.49	167.098	
550.0	550.0	535.5	535.5	2.0	3.1	-36.13	741.6	-541.3	918.1	912.6	5.54	165.716	
575.0	575.0	560.5	560.5	2.1	3.1	-36.13	741.6	-541.3	918.1	912.6	5.59	164.327	
600.0	600.0	585.5	585.5	2.1	3.1	-36.13	741.6	-541.3	918.1	912.5	5.64	162.934	
625.0	625.0	610.5	610.5	2.2	3.1	-36.13	741.6	-541.3	918.1	912.5	5.68	161.631	
650.0	650.0	635.5	635.5	2.2	3.1	-36.13	741.6	-541.3	918.1	912.4	5.73	160.325	
675.0	675.0	660.5	660.5	2.3	3.1	-36.13	741.6	-541.3	918.1	912.4	5.77	159.019	
700.0	700.0	685.5	685.5	2.3	3.1	-36.13	741.6	-541.3	918.1	912.3	5.82	157.713	
725.0	725.0	710.5	710.5	2.4	3.1	-36.13	741.6	-541.3	918.1	912.3	5.87	156.478	
750.0	750.0	735.5	735.5	2.4	3.1	-36.13	741.6	-541.3	918.1	912.2	5.91	155.245	
775.0	775.0	760.5	760.5	2.5	3.1	-36.13	741.6	-541.3	918.1	912.2	5.96	154.014	
800.0	800.0	785.5	785.5	2.5	3.1	-36.13	741.6	-541.3	918.1	912.1	6.01	152.787	
825.0	825.0	810.5	810.5	2.6	3.2	-36.13	741.6	-541.3	918.1	912.1	6.06	151.617	
850.0	850.0	835.5	835.5	2.6	3.2	-36.13	741.6	-541.3	918.1	912.0	6.10	150.451	
875.0	875.0	860.5	860.5	2.6	3.2	-36.13	741.6	-541.3	918.1	912.0	6.15	149.290	
900.0	900.0	885.5	885.5	2.7	3.2	-36.13	741.6	-541.3	918.1	911.9	6.20	148.134	
925.0	925.0	910.5	910.5	2.7	3.2	-36.13	741.6	-541.3	918.1	911.9	6.24	147.026	
950.0	950.0	935.5	935.5	2.8	3.2	-36.13	741.6	-541.3	918.1	911.8	6.29	145.923	
975.0	975.0	960.5	960.5	2.8	3.2	-36.13	741.6	-541.3	918.1	911.8	6.34	144.825	
1,000.0	1,000.0	985.5	985.5	2.9	3.2	-36.13	741.6	-541.3	918.1	911.7	6.39	143.734	
1,025.0	1,025.0	1,010.5	1,010.5	2.9	3.2	-36.13	741.6	-541.3	918.1	911.7	6.43	142.684	
1,050.0	1,050.0	1,035.5	1,035.5	3.0	3.3	-36.13	741.6	-541.3	918.1	911.7	6.48	141.640	
1,075.0	1,075.0	1,060.5	1,060.5	3.0	3.3	-36.13	741.6	-541.3	918.1	911.6	6.53	140.602	
1,100.0	1,100.0	1,085.5	1,085.5	3.0	3.3	-36.13	741.6	-541.3	918.1	911.6	6.58	139.570	
1,125.0	1,125.0	1,110.5	1,110.5	3.1	3.3	-36.13	741.6	-541.3	918.1	911.5	6.63	138.574	
1,150.0	1,150.0	1,135.5	1,135.5	3.1	3.3	-36.13	741.6	-541.3	918.1	911.5	6.67	137.584	
1,175.0	1,175.0	1,160.5	1,160.5	3.2	3.3	-36.13	741.6	-541.3	918.1	911.4	6.72	136.601	
1,200.0	1,200.0	1,185.5	1,185.5	3.2	3.3	-36.13	741.6	-541.3	918.1	911.4	6.77	135.625	
1,225.0	1,225.0	1,210.5	1,210.5	3.2	3.4	-36.13	741.6	-541.3	918.1	911.3	6.82	134.680	
1,250.0	1,250.0	1,235.5	1,235.5	3.3	3.4	-36.13	741.6	-541.3	918.1	911.3	6.87	133.741	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
1,275.0	1,275.0	1,260.5	1,260.5	3.3	3.4	-36.13	741.6	-541.3	918.1	911.2	6.91	132.809	
1,300.0	1,300.0	1,285.5	1,285.5	3.4	3.4	-36.13	741.6	-541.3	918.1	911.2	6.96	131.883	
1,325.0	1,325.0	1,310.5	1,310.5	3.4	3.4	-36.13	741.6	-541.3	918.1	911.1	7.01	130.985	
1,350.0	1,350.0	1,335.5	1,335.5	3.4	3.4	-36.13	741.6	-541.3	918.1	911.1	7.06	130.093	
1,375.0	1,375.0	1,360.5	1,360.5	3.5	3.5	-36.13	741.6	-541.3	918.1	911.0	7.11	129.209	
1,400.0	1,400.0	1,385.5	1,385.5	3.5	3.5	-36.13	741.6	-541.3	918.1	911.0	7.15	128.331	
1,425.0	1,425.0	1,410.5	1,410.5	3.6	3.5	-36.13	741.6	-541.3	918.1	910.9	7.20	127.477	
1,450.0	1,450.0	1,435.5	1,435.5	3.6	3.5	-36.13	741.6	-541.3	918.1	910.9	7.25	126.629	
1,475.0	1,475.0	1,460.5	1,460.5	3.6	3.5	-36.13	741.6	-541.3	918.1	910.8	7.30	125.788	
1,500.0	1,500.0	1,485.5	1,485.5	3.7	3.5	-36.13	741.6	-541.3	918.1	910.8	7.35	124.955	
1,525.0	1,525.0	1,510.5	1,510.5	3.7	3.6	-36.13	741.6	-541.3	918.1	910.7	7.40	124.142	
1,550.0	1,550.0	1,535.5	1,535.5	3.8	3.6	-36.13	741.6	-541.3	918.1	910.7	7.44	123.335	
1,575.0	1,575.0	1,560.5	1,560.5	3.8	3.6	-36.13	741.6	-541.3	918.1	910.6	7.49	122.535	
1,600.0	1,600.0	1,585.5	1,585.5	3.8	3.6	-36.13	741.6	-541.3	918.1	910.6	7.54	121.742	
1,625.0	1,625.0	1,610.5	1,610.5	3.9	3.6	-36.13	741.6	-541.3	918.1	910.5	7.59	120.968	
1,650.0	1,650.0	1,635.5	1,635.5	3.9	3.6	-36.13	741.6	-541.3	918.1	910.5	7.64	120.200	
1,675.0	1,675.0	1,660.5	1,660.5	3.9	3.7	-36.13	741.6	-541.3	918.1	910.5	7.69	119.439	
1,700.0	1,700.0	1,685.5	1,685.5	4.0	3.7	-36.13	741.6	-541.3	918.1	910.4	7.74	118.684	
1,725.0	1,725.0	1,710.5	1,710.5	4.0	3.7	-36.13	741.6	-541.3	918.1	910.4	7.78	117.945	
1,750.0	1,750.0	1,735.5	1,735.5	4.1	3.7	-36.13	741.6	-541.3	918.1	910.3	7.83	117.213	
1,775.0	1,775.0	1,760.5	1,760.5	4.1	3.7	-36.13	741.6	-541.3	918.1	910.3	7.88	116.487	
1,800.0	1,800.0	1,785.5	1,785.5	4.1	3.8	-36.13	741.6	-541.3	918.1	910.2	7.93	115.768	
1,825.0	1,825.0	1,810.5	1,810.5	4.2	3.8	-36.13	741.6	-541.3	918.1	910.2	7.98	115.063	
1,850.0	1,850.0	1,835.5	1,835.5	4.2	3.8	-36.13	741.6	-541.3	918.1	910.1	8.03	114.365	
1,875.0	1,875.0	1,860.5	1,860.5	4.2	3.8	-36.13	741.6	-541.3	918.1	910.1	8.08	113.673	
1,900.0	1,900.0	1,885.5	1,885.5	4.3	3.8	-36.13	741.6	-541.3	918.1	910.0	8.13	112.986	
1,925.0	1,925.0	1,910.5	1,910.5	4.3	3.9	-36.13	741.6	-541.3	918.1	910.0	8.17	112.313	
1,950.0	1,950.0	1,935.5	1,935.5	4.3	3.9	-36.13	741.6	-541.3	918.1	909.9	8.22	111.646	
1,975.0	1,975.0	1,960.5	1,960.5	4.4	3.9	-36.13	741.6	-541.3	918.1	909.9	8.27	110.985	
2,000.0	2,000.0	1,985.5	1,985.5	4.4	3.9	-36.13	741.6	-541.3	918.1	909.8	8.32	110.330	
2,025.0	2,025.0	2,010.5	2,010.5	4.4	3.9	41.70	741.6	-541.3	918.1	909.7	8.38	109.584	
2,050.0	2,050.0	2,035.5	2,035.5	4.5	4.0	41.72	741.6	-541.3	917.8	909.4	8.44	108.785	
2,075.0	2,075.0	2,060.5	2,060.5	4.5	4.0	41.75	741.6	-541.3	917.4	908.9	8.50	107.935	
2,100.0	2,100.0	2,085.5	2,085.5	4.5	4.0	41.79	741.6	-541.3	916.8	908.3	8.57	107.038	
2,125.0	2,125.0	2,110.5	2,110.5	4.6	4.0	41.84	741.6	-541.3	916.1	907.5	8.64	105.979	
2,150.0	2,149.9	2,135.4	2,135.4	4.6	4.1	41.90	741.6	-541.3	915.2	906.5	8.72	104.908	
2,175.0	2,174.9	2,160.4	2,160.4	4.7	4.1	41.97	741.6	-541.3	914.2	905.3	8.80	103.827	
2,200.0	2,199.8	2,185.3	2,185.3	4.7	4.1	42.06	741.6	-541.3	912.9	904.1	8.89	102.736	
2,225.0	2,224.8	2,210.3	2,210.3	4.7	4.1	42.16	741.6	-541.3	911.6	902.6	8.97	101.641	
2,250.0	2,249.7	2,235.2	2,235.2	4.8	4.1	42.26	741.6	-541.3	910.0	901.0	9.05	100.540	
2,275.0	2,274.6	2,260.1	2,260.1	4.8	4.2	42.38	741.6	-541.3	908.3	899.2	9.14	99.434	
2,300.0	2,299.5	2,285.0	2,285.0	4.9	4.2	42.52	741.6	-541.3	906.5	897.3	9.22	98.324	
2,325.0	2,324.3	2,309.8	2,309.8	4.9	4.2	42.66	741.6	-541.3	904.5	895.2	9.31	97.200	
2,350.0	2,349.1	2,334.6	2,334.6	5.0	4.2	42.81	741.6	-541.3	902.3	892.9	9.39	96.073	
2,375.0	2,373.9	2,359.4	2,359.4	5.1	4.3	42.98	741.6	-541.3	900.0	890.5	9.48	94.946	
2,400.0	2,398.7	2,384.2	2,384.2	5.1	4.3	43.16	741.6	-541.3	897.5	887.9	9.57	93.819	
2,425.0	2,423.4	2,408.9	2,408.9	5.2	4.3	43.35	741.6	-541.3	894.9	885.2	9.66	92.675	
2,450.0	2,448.2	2,433.7	2,433.7	5.3	4.3	43.56	741.6	-541.3	892.1	882.4	9.75	91.532	
2,475.0	2,472.8	2,458.3	2,458.3	5.4	4.4	43.78	741.6	-541.3	889.2	879.3	9.84	90.393	
2,500.0	2,497.5	2,483.0	2,483.0	5.5	4.4	44.01	741.6	-541.3	886.1	876.2	9.93	89.257	
2,525.0	2,522.1	2,509.1	2,509.1	5.5	4.4	44.27	741.6	-541.3	882.9	872.9	10.00	88.279	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,546.6	2,538.8	2,538.8	5.6	4.4	44.58	741.6	-541.0	879.4	869.3	10.07	87.327	
2,575.0	2,571.1	2,568.2	2,568.2	5.7	4.4	44.93	741.6	-540.5	875.7	865.5	10.14	86.384	
2,600.0	2,595.6	2,597.4	2,597.4	5.7	4.5	45.26	741.6	-539.6	871.7	861.5	10.18	85.608	
2,625.0	2,620.1	2,626.6	2,626.5	5.8	4.5	45.59	741.6	-538.5	867.6	857.4	10.25	84.620	
2,650.0	2,644.6	2,655.6	2,655.5	5.9	4.5	45.95	741.6	-537.1	863.5	853.1	10.32	83.650	
2,675.0	2,669.1	2,684.4	2,684.3	5.9	4.5	46.33	741.6	-535.4	859.2	848.8	10.39	82.695	
2,700.0	2,693.6	2,713.1	2,712.9	6.0	4.5	46.72	741.6	-533.4	854.8	844.3	10.46	81.745	
2,725.0	2,718.1	2,741.6	2,741.3	6.1	4.5	47.14	741.6	-531.1	850.3	839.8	10.53	80.788	
2,750.0	2,742.6	2,766.9	2,766.5	6.2	4.5	47.52	741.6	-528.9	845.8	835.2	10.59	79.828	
2,775.0	2,767.1	2,790.9	2,790.4	6.3	4.5	47.88	741.6	-526.8	841.2	830.6	10.66	78.881	
2,800.0	2,791.6	2,814.8	2,814.3	6.4	4.5	48.25	741.6	-524.7	836.7	826.0	10.73	77.950	
2,825.0	2,816.1	2,838.8	2,838.2	6.4	4.5	48.63	741.6	-522.7	832.3	821.5	10.81	77.016	
2,850.0	2,840.6	2,862.8	2,862.1	6.5	4.5	49.00	741.6	-520.6	827.9	817.0	10.88	76.101	
2,875.0	2,865.1	2,886.8	2,886.0	6.6	4.6	49.38	741.6	-518.5	823.5	812.6	10.95	75.206	
2,900.0	2,889.6	2,910.8	2,909.8	6.7	4.6	49.77	741.6	-516.4	819.2	808.2	11.02	74.327	
2,925.0	2,914.1	2,934.8	2,933.7	6.8	4.6	50.16	741.6	-514.3	814.9	803.8	11.09	73.448	
2,950.0	2,938.6	2,958.7	2,957.6	6.9	4.6	50.55	741.6	-512.2	810.6	799.5	11.17	72.588	
2,975.0	2,963.1	2,982.7	2,981.5	7.0	4.6	50.95	741.6	-510.1	806.4	795.2	11.24	71.747	
3,000.0	2,987.6	3,006.7	3,005.4	7.1	4.6	51.35	741.6	-508.0	802.2	790.9	11.31	70.922	
3,025.0	3,012.1	3,030.7	3,029.3	7.2	4.6	51.75	741.6	-505.9	798.1	786.7	11.38	70.100	
3,050.0	3,036.6	3,054.7	3,053.2	7.2	4.6	52.16	741.6	-503.8	794.0	782.5	11.46	69.297	
3,075.0	3,061.1	3,078.6	3,077.1	7.3	4.6	52.57	741.6	-501.8	789.9	778.4	11.53	68.511	
3,100.0	3,085.6	3,102.6	3,101.0	7.4	4.6	52.99	741.6	-499.7	785.9	774.3	11.60	67.742	
3,125.0	3,110.1	3,126.6	3,124.8	7.5	4.7	53.41	741.6	-497.6	782.0	770.3	11.67	66.979	
3,150.0	3,134.6	3,150.6	3,148.7	7.6	4.7	53.84	741.6	-495.5	778.0	766.3	11.75	66.233	
3,175.0	3,159.1	3,174.6	3,172.6	7.7	4.7	54.26	741.6	-493.4	774.1	762.3	11.82	65.504	
3,200.0	3,183.6	3,198.5	3,196.5	7.8	4.7	54.70	741.6	-491.3	770.3	758.4	11.89	64.792	
3,225.0	3,208.1	3,222.5	3,220.4	7.9	4.7	55.13	741.6	-489.2	766.5	754.6	11.96	64.086	
3,250.0	3,232.6	3,246.5	3,244.3	8.0	4.7	55.57	741.6	-487.1	762.8	750.7	12.03	63.397	
3,275.0	3,257.1	3,270.5	3,268.2	8.1	4.7	56.02	741.6	-485.0	759.1	747.0	12.10	62.725	
3,300.0	3,281.6	3,294.5	3,292.1	8.2	4.7	56.47	741.6	-482.9	755.4	743.3	12.17	62.068	
3,325.0	3,306.1	3,318.4	3,316.0	8.3	4.8	56.92	741.6	-480.9	751.8	739.6	12.24	61.420	
3,350.0	3,330.6	3,342.4	3,339.8	8.4	4.8	57.38	741.6	-478.8	748.3	736.0	12.31	60.787	
3,375.0	3,355.1	3,366.4	3,363.7	8.5	4.8	57.84	741.6	-476.7	744.8	732.4	12.38	60.169	
3,400.0	3,379.6	3,390.4	3,387.6	8.6	4.8	58.30	741.6	-474.6	741.3	728.9	12.45	59.567	
3,425.0	3,404.1	3,414.4	3,411.5	8.7	4.8	58.77	741.6	-472.5	737.9	725.4	12.51	58.974	
3,450.0	3,428.6	3,438.3	3,435.4	8.8	4.8	59.25	741.6	-470.4	734.6	722.0	12.58	58.395	
3,475.0	3,453.1	3,462.3	3,459.3	8.9	4.8	59.72	741.6	-468.3	731.3	718.7	12.65	57.831	
3,500.0	3,477.6	3,486.3	3,483.2	9.0	4.9	60.20	741.6	-466.2	728.1	715.4	12.71	57.281	
3,525.0	3,502.1	3,510.3	3,507.1	9.1	4.9	60.69	741.6	-464.1	724.9	712.1	12.78	56.741	
3,550.0	3,526.6	3,534.3	3,531.0	9.2	4.9	61.18	741.6	-462.0	721.8	708.9	12.84	56.214	
3,575.0	3,551.1	3,558.2	3,554.8	9.3	4.9	61.67	741.6	-460.0	718.7	705.8	12.90	55.701	
3,600.0	3,575.6	3,582.2	3,578.7	9.4	4.9	62.17	741.6	-457.9	715.7	702.7	12.96	55.201	
3,625.0	3,600.1	3,606.2	3,602.6	9.5	4.9	62.67	741.6	-455.8	712.7	699.7	13.03	54.711	
3,650.0	3,624.6	3,630.2	3,626.5	9.6	4.9	63.17	741.6	-453.7	709.8	696.7	13.09	54.233	
3,675.0	3,649.1	3,654.2	3,650.4	9.8	5.0	63.68	741.6	-451.6	707.0	693.8	13.15	53.768	
3,700.0	3,673.6	3,678.1	3,674.3	9.9	5.0	64.20	741.6	-449.5	704.2	691.0	13.21	53.316	
3,725.0	3,698.1	3,702.1	3,698.2	10.0	5.0	64.71	741.6	-447.4	701.5	688.2	13.27	52.873	
3,750.0	3,722.6	3,726.1	3,722.1	10.1	5.0	65.23	741.6	-445.3	698.8	685.5	13.33	52.442	
3,775.0	3,747.1	3,750.1	3,746.0	10.2	5.0	65.76	741.6	-443.2	696.2	682.8	13.38	52.022	
3,800.0	3,771.6	3,774.1	3,769.8	10.3	5.0	66.28	741.6	-441.1	693.7	680.2	13.44	51.614	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,825.0	3,796.1	3,798.0	3,793.7	10.4	5.0	66.81	741.6	-439.1	691.2	677.7	13.50	51.215	
3,850.0	3,820.6	3,822.0	3,817.6	10.5	5.1	67.35	741.6	-437.0	688.8	675.2	13.55	50.827	
3,875.0	3,845.1	3,846.0	3,841.5	10.6	5.1	67.88	741.6	-434.9	686.4	672.8	13.61	50.450	
3,900.0	3,869.5	3,870.0	3,865.4	10.7	5.1	68.43	741.6	-432.8	684.2	670.5	13.66	50.083	
3,925.0	3,894.0	3,894.0	3,889.3	10.8	5.1	68.97	741.6	-430.7	681.9	668.2	13.71	49.725	
3,950.0	3,918.5	3,917.9	3,913.2	10.9	5.1	69.52	741.6	-428.6	679.8	666.0	13.77	49.376	
3,975.0	3,943.0	3,941.9	3,937.1	11.0	5.1	70.07	741.6	-426.5	677.7	663.9	13.82	49.038	
4,000.0	3,967.5	3,965.9	3,961.0	11.1	5.2	70.62	741.6	-424.4	675.7	661.8	13.87	48.709	
4,025.0	3,992.0	3,989.9	3,984.8	11.2	5.2	71.18	741.6	-422.3	673.7	659.8	13.92	48.387	
4,050.0	4,016.5	4,013.9	4,008.7	11.4	5.2	71.74	741.6	-420.2	671.9	657.9	13.98	48.075	
4,075.0	4,041.0	4,037.8	4,032.6	11.5	5.2	72.30	741.6	-418.2	670.1	656.0	14.03	47.772	
4,100.0	4,065.5	4,061.8	4,056.5	11.6	5.2	72.87	741.6	-416.1	668.3	654.2	14.08	47.477	
4,125.0	4,090.0	4,085.8	4,080.4	11.7	5.3	73.43	741.6	-414.0	666.6	652.5	14.13	47.189	
4,150.0	4,114.5	4,109.8	4,104.3	11.8	5.3	74.00	741.6	-411.9	665.1	650.9	14.18	46.909	
4,175.0	4,139.0	4,133.8	4,128.2	11.9	5.3	74.58	741.6	-409.8	663.5	649.3	14.23	46.636	
4,200.0	4,163.5	4,157.7	4,152.1	12.0	5.3	75.15	741.6	-407.7	662.1	647.8	14.28	46.372	
4,225.0	4,188.0	4,181.7	4,176.0	12.1	5.3	75.73	741.6	-405.6	660.7	646.4	14.33	46.113	
4,250.0	4,212.5	4,205.7	4,199.9	12.2	5.3	76.31	741.6	-403.5	659.4	645.0	14.38	45.862	
4,275.0	4,237.0	4,229.7	4,223.7	12.3	5.4	76.89	741.6	-401.4	658.1	643.7	14.43	45.617	
4,300.0	4,261.5	4,253.7	4,247.6	12.4	5.4	77.48	741.6	-399.3	657.0	642.5	14.48	45.378	
4,325.0	4,286.0	4,277.6	4,271.5	12.6	5.4	78.06	741.6	-397.3	655.9	641.4	14.53	45.145	
4,350.0	4,310.5	4,301.6	4,295.4	12.7	5.4	78.65	741.6	-395.2	654.9	640.3	14.58	44.918	
4,375.0	4,335.0	4,325.6	4,319.3	12.8	5.4	79.24	741.6	-393.1	653.9	639.3	14.63	44.696	
4,400.0	4,359.5	4,349.6	4,343.2	12.9	5.5	79.83	741.6	-391.0	653.1	638.4	14.68	44.479	
4,425.0	4,384.0	4,373.6	4,367.1	13.0	5.5	80.42	741.6	-388.9	652.3	637.6	14.74	44.267	
4,450.0	4,408.5	4,397.5	4,391.0	13.1	5.5	81.01	741.6	-386.8	651.6	636.8	14.79	44.060	
4,475.0	4,433.0	4,421.5	4,414.9	13.2	5.5	81.61	741.6	-384.7	650.9	636.1	14.84	43.857	
4,500.0	4,457.5	4,445.5	4,438.7	13.3	5.5	82.20	741.6	-382.6	650.4	635.5	14.90	43.659	
4,525.0	4,482.0	4,469.5	4,462.6	13.4	5.6	82.80	741.6	-380.5	649.9	634.9	14.95	43.464	
4,550.0	4,506.5	4,493.5	4,486.5	13.6	5.6	83.40	741.6	-378.4	649.5	634.5	15.01	43.273	
4,575.0	4,531.0	4,517.5	4,510.4	13.7	5.6	83.99	741.6	-376.4	649.2	634.1	15.07	43.085	
4,600.0	4,555.5	4,541.4	4,534.3	13.8	5.6	84.59	741.6	-374.3	648.9	633.8	15.13	42.901	
4,625.0	4,580.0	4,565.4	4,558.2	13.9	5.6	85.19	741.6	-372.2	648.7	633.5	15.19	42.719	
4,650.0	4,604.5	4,589.4	4,582.1	14.0	5.7	85.79	741.6	-370.1	648.6	633.4	15.25	42.540	
4,670.1	4,624.2	4,608.7	4,601.3	14.1	5.7	86.27	741.6	-368.4	648.6	633.3	15.30	42.398 CC	
4,675.0	4,629.0	4,613.4	4,606.0	14.1	5.7	86.39	741.6	-368.0	648.6	633.3	15.31	42.364	
4,700.0	4,653.5	4,637.4	4,629.9	14.2	5.7	86.99	741.6	-365.9	648.7	633.3	15.37	42.190 ES	
4,725.0	4,678.0	4,661.3	4,653.7	14.3	5.7	87.59	741.6	-363.8	648.8	633.3	15.44	42.018	
4,750.0	4,702.5	4,685.3	4,677.6	14.5	5.7	88.18	741.6	-361.7	649.0	633.5	15.51	41.848	
4,775.0	4,727.0	4,709.3	4,701.5	14.6	5.8	88.78	741.6	-359.6	649.3	633.7	15.58	41.680	
4,800.0	4,751.5	4,733.3	4,725.4	14.7	5.8	89.38	741.6	-357.5	649.6	634.0	15.65	41.514	
4,825.0	4,776.0	4,757.3	4,749.3	14.8	5.8	89.98	741.6	-355.5	650.1	634.4	15.72	41.349	
4,850.0	4,800.5	4,781.2	4,773.2	14.9	5.8	90.57	741.6	-353.4	650.6	634.8	15.80	41.185	
4,875.0	4,825.0	4,805.2	4,797.1	15.0	5.8	91.17	741.6	-351.3	651.2	635.3	15.87	41.023	
4,900.0	4,849.5	4,829.2	4,821.0	15.1	5.9	91.76	741.6	-349.2	651.8	635.9	15.95	40.861	
4,925.0	4,874.0	4,853.2	4,844.9	15.2	5.9	92.35	741.6	-347.1	652.6	636.6	16.03	40.701	
4,950.0	4,898.5	4,877.2	4,868.7	15.4	5.9	92.95	741.6	-345.0	653.4	637.3	16.12	40.541	
4,975.0	4,923.0	4,901.1	4,892.6	15.5	5.9	93.54	741.6	-342.9	654.3	638.1	16.20	40.382	
5,000.0	4,947.5	4,925.1	4,916.5	15.6	6.0	94.12	741.6	-340.8	655.3	639.0	16.29	40.224	
5,025.0	4,972.0	4,949.1	4,940.4	15.7	6.0	94.71	741.6	-338.7	656.3	639.9	16.38	40.066	
5,050.0	4,996.5	4,973.1	4,964.3	15.8	6.0	95.30	741.6	-336.6	657.4	641.0	16.47	39.909	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,075.0	5,021.0	4,997.1	4,988.2	15.9	6.0	95.88	741.6	-334.6	658.6	642.0	16.57	39.753	
5,100.0	5,045.5	5,021.0	5,012.1	16.0	6.0	96.46	741.6	-332.5	659.9	643.2	16.67	39.597	
5,125.0	5,070.0	5,045.0	5,036.0	16.1	6.1	97.04	741.6	-330.4	661.2	644.5	16.76	39.441	
5,150.0	5,094.5	5,069.0	5,059.9	16.3	6.1	97.62	741.6	-328.3	662.6	645.8	16.87	39.286	
5,175.0	5,119.0	5,093.0	5,083.7	16.4	6.1	98.19	741.6	-326.2	664.1	647.1	16.97	39.131	
5,200.0	5,143.5	5,117.0	5,107.6	16.5	6.1	98.76	741.6	-324.1	665.7	648.6	17.08	38.977	
5,225.0	5,168.0	5,140.9	5,131.5	16.6	6.1	99.33	741.6	-322.0	667.3	650.1	17.19	38.823	
5,250.0	5,192.4	5,164.9	5,155.4	16.7	6.2	99.90	741.6	-319.9	669.0	651.7	17.30	38.670	
5,275.0	5,216.9	5,188.9	5,179.3	16.8	6.2	100.46	741.6	-317.8	670.8	653.3	17.41	38.517	
5,300.0	5,241.4	5,212.9	5,203.2	16.9	6.2	101.02	741.6	-315.7	672.6	655.1	17.53	38.365	
5,325.0	5,265.9	5,236.9	5,227.1	17.1	6.2	101.58	741.6	-313.7	674.5	656.8	17.65	38.214	
5,350.0	5,290.4	5,260.8	5,251.0	17.2	6.3	102.14	741.6	-311.6	676.5	658.7	17.77	38.063	
5,375.0	5,314.9	5,284.8	5,274.9	17.3	6.3	102.69	741.6	-309.5	678.5	660.6	17.90	37.913	
5,400.0	5,339.4	5,308.8	5,298.7	17.4	6.3	103.24	741.6	-307.4	680.6	662.6	18.02	37.763	
5,425.0	5,363.9	5,332.8	5,322.6	17.5	6.3	103.79	741.6	-305.3	682.8	664.6	18.15	37.616	
5,450.0	5,388.4	5,356.8	5,346.5	17.6	6.4	104.33	741.6	-303.2	685.0	666.8	18.28	37.469	
5,475.0	5,412.9	5,380.7	5,370.4	17.7	6.4	104.87	741.6	-301.1	687.3	668.9	18.42	37.324	
5,498.0	5,435.5	5,402.8	5,392.4	17.8	6.4	105.36	741.6	-299.2	689.5	671.0	18.54	37.191	
5,500.0	5,437.4	5,404.7	5,394.3	17.8	6.4	105.41	741.6	-299.0	689.7	671.2	18.55	37.182	
5,525.0	5,461.9	5,428.7	5,418.2	18.0	6.4	105.97	741.6	-296.9	692.1	673.4	18.75	36.907	
5,550.0	5,486.5	5,452.8	5,442.2	18.1	6.4	106.52	741.6	-294.8	694.6	675.6	18.96	36.637	
5,575.0	5,511.1	5,476.9	5,466.2	18.3	6.5	107.05	741.6	-292.7	697.0	677.8	19.16	36.373	
5,600.0	5,535.7	5,501.0	5,490.2	18.4	6.5	107.57	741.6	-290.6	699.4	680.1	19.37	36.114	
5,625.0	5,560.3	5,525.2	5,514.3	18.6	6.5	108.07	741.6	-288.5	701.9	682.4	19.50	35.996	
5,650.0	5,585.0	5,549.4	5,538.4	18.7	6.5	108.56	741.6	-286.4	704.3	684.7	19.63	35.878	
5,675.0	5,609.7	5,573.7	5,562.6	18.8	6.6	109.03	741.6	-284.3	706.7	687.0	19.76	35.761	
5,700.0	5,634.4	5,598.0	5,586.8	18.9	6.6	109.49	741.6	-282.2	709.2	689.3	19.90	35.645	
5,725.0	5,659.1	5,622.3	5,611.1	19.0	6.6	109.94	741.6	-280.1	711.6	691.6	20.02	35.537	
5,750.0	5,683.9	5,646.7	5,635.4	19.1	6.6	110.37	741.6	-277.9	714.0	693.8	20.15	35.430	
5,775.0	5,708.7	5,671.1	5,659.7	19.2	6.7	110.78	741.6	-275.8	716.3	696.0	20.28	35.324	
5,800.0	5,733.5	5,695.6	5,684.0	19.3	6.7	111.18	741.6	-273.7	718.7	698.3	20.41	35.218	
5,825.0	5,758.3	5,720.0	5,708.4	19.4	6.7	111.57	741.6	-271.5	721.0	700.4	20.53	35.120	
5,850.0	5,783.1	5,744.5	5,732.8	19.5	6.7	111.95	741.6	-269.4	723.3	702.6	20.65	35.023	
5,875.0	5,808.0	5,769.1	5,757.3	19.6	6.8	112.31	741.6	-267.3	725.5	704.7	20.77	34.926	
5,900.0	5,832.9	5,793.7	5,781.8	19.7	6.8	112.65	741.6	-265.1	727.7	706.8	20.89	34.830	
5,925.0	5,857.8	5,818.3	5,806.3	19.8	6.8	112.98	741.6	-263.0	729.9	708.9	21.01	34.742	
5,950.0	5,882.7	5,842.9	5,830.8	19.9	6.8	113.30	741.6	-260.8	732.0	710.9	21.12	34.654	
5,975.0	5,907.6	5,867.6	5,855.4	20.0	6.9	113.61	741.6	-258.7	734.0	712.8	21.24	34.566	
6,000.0	5,932.5	5,892.2	5,880.0	20.1	6.9	113.90	741.6	-256.5	736.1	714.7	21.35	34.479	
6,025.0	5,957.5	5,916.9	5,904.6	20.2	6.9	114.18	741.6	-254.4	738.0	716.6	21.45	34.400	
6,050.0	5,982.4	5,941.7	5,929.2	20.3	6.9	114.44	741.6	-252.2	740.0	718.4	21.56	34.322	
6,075.0	6,007.4	5,966.4	5,953.9	20.4	7.0	114.69	741.6	-250.1	741.8	720.2	21.66	34.243	
6,100.0	6,032.4	5,991.2	5,978.6	20.5	7.0	114.93	741.6	-247.9	743.6	721.9	21.77	34.164	
6,125.0	6,057.4	6,016.0	6,003.3	20.5	7.0	115.16	741.6	-245.7	745.4	723.5	21.86	34.096	
6,150.0	6,082.4	6,040.8	6,028.0	20.6	7.0	115.37	741.6	-243.6	747.1	725.1	21.95	34.029	
6,175.0	6,107.3	6,065.7	6,052.7	20.7	7.1	115.57	741.6	-241.4	748.7	726.6	22.05	33.960	
6,200.0	6,132.3	6,090.5	6,077.5	20.8	7.1	115.75	741.6	-239.3	750.2	728.1	22.14	33.892	
6,225.0	6,157.3	6,115.4	6,102.3	20.8	7.1	115.93	741.6	-237.1	751.7	729.5	22.20	33.860	
6,250.0	6,182.3	6,140.3	6,127.1	20.8	7.1	116.09	741.6	-234.9	753.2	730.9	22.27	33.826	
6,264.7	6,197.0	6,154.9	6,141.6	20.9	7.2	38.35	741.6	-233.6	754.0	731.7	22.30	33.807	
6,275.0	6,207.3	6,165.2	6,151.9	20.9	7.2	38.41	741.6	-232.7	754.5	732.2	22.32	33.804	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,232.3	6,190.1	6,176.7	20.9	7.2	38.54	741.6	-230.6	755.9	733.5	22.37	33.797	
6,325.0	6,257.3	6,215.0	6,201.5	20.9	7.2	38.66	741.6	-228.4	757.3	734.8	22.42	33.772	
6,350.0	6,282.3	6,239.9	6,226.3	20.9	7.2	38.79	741.6	-226.2	758.6	736.1	22.48	33.748	
6,375.0	6,307.3	6,264.8	6,251.1	20.9	7.3	38.92	741.6	-224.1	760.0	737.5	22.54	33.724	
6,400.0	6,332.3	6,289.7	6,275.9	20.9	7.3	39.05	741.6	-221.9	761.4	738.8	22.59	33.700	
6,425.0	6,357.3	6,314.6	6,300.7	20.9	7.3	39.17	741.6	-219.7	762.7	740.1	22.65	33.676	
6,450.0	6,382.3	6,339.5	6,325.6	20.9	7.4	39.30	741.6	-217.6	764.1	741.4	22.71	33.653	
6,475.0	6,407.3	6,364.4	6,350.4	20.9	7.4	39.43	741.6	-215.4	765.5	742.7	22.76	33.630	
6,500.0	6,432.3	6,389.3	6,375.2	20.9	7.4	39.55	741.6	-213.2	766.9	744.1	22.82	33.608	
6,525.0	6,457.3	6,414.2	6,400.0	21.0	7.4	39.68	741.6	-211.0	768.3	745.4	22.88	33.586	
6,550.0	6,482.3	6,439.2	6,424.8	21.0	7.5	39.80	741.6	-208.9	769.7	746.8	22.93	33.564	
6,575.0	6,507.3	6,464.1	6,449.6	21.0	7.5	39.93	741.6	-206.7	771.1	748.1	22.99	33.542	
6,600.0	6,532.3	6,489.0	6,474.4	21.0	7.5	40.05	741.6	-204.5	772.5	749.4	23.05	33.521	
6,625.0	6,557.3	6,513.9	6,499.2	21.0	7.5	40.17	741.6	-202.4	773.9	750.8	23.10	33.500	
6,650.0	6,582.3	6,538.8	6,524.0	21.0	7.6	40.30	741.6	-200.2	775.3	752.2	23.16	33.479	
6,675.0	6,607.3	6,563.7	6,548.8	21.0	7.6	40.42	741.6	-198.0	776.7	753.5	23.21	33.458	
6,700.0	6,632.3	6,588.6	6,573.7	21.0	7.6	40.54	741.6	-195.8	778.1	754.9	23.27	33.438	
6,725.0	6,657.3	6,613.5	6,598.5	21.0	7.6	40.66	741.6	-193.7	779.6	756.2	23.33	33.418	
6,750.0	6,682.3	6,638.4	6,623.3	21.0	7.7	40.78	741.6	-191.5	781.0	757.6	23.38	33.399	
6,775.0	6,707.3	6,663.3	6,648.1	21.1	7.7	40.90	741.6	-189.3	782.4	759.0	23.44	33.379	
6,800.0	6,732.3	6,688.2	6,672.9	21.1	7.7	41.02	741.6	-187.2	783.8	760.4	23.50	33.360	
6,825.0	6,757.3	6,713.1	6,697.7	21.1	7.8	41.14	741.6	-185.0	785.3	761.7	23.55	33.342	
6,850.0	6,782.3	6,738.0	6,722.5	21.1	7.8	41.26	741.6	-182.8	786.7	763.1	23.61	33.323	
6,875.0	6,807.3	6,762.9	6,747.3	21.1	7.8	41.38	741.6	-180.7	788.2	764.5	23.67	33.305	
6,900.0	6,832.3	6,787.8	6,772.1	21.1	7.8	41.50	741.6	-178.5	789.6	765.9	23.72	33.287	
6,925.0	6,857.3	6,812.7	6,796.9	21.1	7.9	41.62	741.6	-176.3	791.1	767.3	23.78	33.269	
6,950.0	6,882.3	6,837.6	6,821.8	21.1	7.9	41.73	741.6	-174.1	792.5	768.7	23.83	33.252	
6,975.0	6,907.3	6,862.5	6,846.6	21.1	7.9	41.85	741.6	-172.0	794.0	770.1	23.89	33.234	
7,000.0	6,932.3	6,887.4	6,871.4	21.1	7.9	41.97	741.6	-169.8	795.4	771.5	23.95	33.217	
7,025.0	6,957.3	6,912.3	6,896.2	21.2	8.0	42.08	741.6	-167.6	796.9	772.9	24.00	33.201	
7,050.0	6,982.3	6,937.2	6,921.0	21.2	8.0	42.20	741.6	-165.5	798.3	774.3	24.06	33.184	
7,075.0	7,007.3	6,962.2	6,945.8	21.2	8.0	42.32	741.6	-163.3	799.8	775.7	24.11	33.168	
7,100.0	7,032.3	6,987.1	6,970.6	21.2	8.1	42.43	741.6	-161.1	801.3	777.1	24.17	33.152	
7,125.0	7,057.3	7,012.0	6,995.4	21.2	8.1	42.55	741.6	-158.9	802.8	778.5	24.23	33.137	
7,150.0	7,082.3	7,036.9	7,020.2	21.2	8.1	42.66	741.6	-156.8	804.2	780.0	24.28	33.121	
7,175.0	7,107.3	7,061.8	7,045.0	21.2	8.1	42.77	741.6	-154.6	805.7	781.4	24.34	33.106	
7,200.0	7,132.3	7,086.7	7,069.9	21.2	8.2	42.89	741.6	-152.4	807.2	782.8	24.39	33.091	
7,225.0	7,157.3	7,111.6	7,094.7	21.2	8.2	43.00	741.6	-150.3	808.7	784.2	24.45	33.076	
7,250.0	7,182.3	7,136.5	7,119.5	21.2	8.2	43.11	741.6	-148.1	810.2	785.7	24.51	33.062	
7,275.0	7,207.3	7,161.4	7,144.3	21.3	8.3	43.22	741.6	-145.9	811.7	787.1	24.56	33.048	
7,300.0	7,232.3	7,186.3	7,169.1	21.3	8.3	43.34	741.6	-143.7	813.2	788.6	24.62	33.034	
7,325.0	7,257.3	7,211.2	7,193.9	21.3	8.3	43.45	741.6	-141.6	814.7	790.0	24.67	33.020	
7,350.0	7,282.3	7,236.1	7,218.7	21.3	8.3	43.56	741.6	-139.4	816.2	791.4	24.73	33.006	
7,375.0	7,307.3	7,261.0	7,243.5	21.3	8.4	43.67	741.6	-137.2	817.7	792.9	24.78	32.993	
7,400.0	7,332.3	7,285.9	7,268.3	21.3	8.4	43.78	741.6	-135.1	819.2	794.4	24.84	32.980	
7,425.0	7,357.3	7,310.8	7,293.1	21.3	8.4	43.89	741.6	-132.9	820.7	795.8	24.89	32.967	
7,450.0	7,382.3	7,335.7	7,318.0	21.3	8.4	44.00	741.6	-130.7	822.2	797.3	24.95	32.955	
7,475.0	7,407.3	7,360.6	7,342.8	21.3	8.5	44.11	741.6	-128.6	823.7	798.7	25.01	32.942	
7,500.0	7,432.3	7,385.5	7,367.6	21.3	8.5	44.21	741.6	-126.4	825.3	800.2	25.06	32.930	
7,525.0	7,457.3	7,410.4	7,392.4	21.4	8.5	44.32	741.6	-124.2	826.8	801.7	25.12	32.918	
7,550.0	7,482.3	7,435.3	7,417.2	21.4	8.6	44.43	741.6	-122.0	828.3	803.1	25.17	32.906	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,507.3	7,460.3	7,442.0	21.4	8.6	44.54	741.6	-119.9	829.8	804.6	25.23	32.895	
7,600.0	7,532.3	7,485.2	7,466.8	21.4	8.6	44.64	741.6	-117.7	831.4	806.1	25.28	32.883	
7,625.0	7,557.3	7,510.1	7,491.6	21.4	8.6	44.75	741.6	-115.5	832.9	807.6	25.34	32.872	
7,650.0	7,582.3	7,535.0	7,516.4	21.4	8.7	44.86	741.6	-113.4	834.4	809.1	25.39	32.861	
7,675.0	7,607.3	7,559.9	7,541.2	21.4	8.7	44.96	741.6	-111.2	836.0	810.5	25.45	32.851	
7,700.0	7,632.3	7,584.8	7,566.1	21.4	8.7	45.07	741.6	-109.0	837.5	812.0	25.50	32.840	
7,725.0	7,657.3	7,609.7	7,590.9	21.4	8.8	45.17	741.6	-106.8	839.1	813.5	25.56	32.830	
7,750.0	7,682.3	7,634.6	7,615.7	21.4	8.8	45.28	741.6	-104.7	840.6	815.0	25.61	32.820	
7,775.0	7,707.3	7,659.5	7,640.5	21.5	8.8	45.38	741.6	-102.5	842.2	816.5	25.67	32.810	
7,800.0	7,732.3	7,684.4	7,665.3	21.5	8.8	45.48	741.6	-100.3	843.7	818.0	25.72	32.800	
7,825.0	7,757.3	7,709.3	7,690.1	21.5	8.9	45.59	741.6	-98.2	845.3	819.5	25.78	32.791	
7,850.0	7,782.3	7,734.2	7,714.9	21.5	8.9	45.69	741.6	-96.0	846.9	821.0	25.83	32.781	
7,875.0	7,807.3	7,759.1	7,739.7	21.5	8.9	45.79	741.6	-93.8	848.4	822.5	25.89	32.772	
7,900.0	7,832.3	7,784.0	7,764.5	21.5	9.0	45.90	741.6	-91.7	850.0	824.0	25.94	32.763	
7,925.0	7,857.3	7,808.9	7,789.4	21.5	9.0	46.00	741.6	-89.5	851.6	825.6	26.00	32.755	
7,950.0	7,882.3	7,833.8	7,814.2	21.5	9.0	46.10	741.6	-87.3	853.1	827.1	26.05	32.746	
7,975.0	7,907.3	7,858.7	7,839.0	21.5	9.0	46.20	741.6	-85.1	854.7	828.6	26.11	32.738	
8,000.0	7,932.3	7,883.6	7,863.8	21.6	9.1	46.30	741.6	-83.0	856.3	830.1	26.16	32.729	
8,025.0	7,957.3	7,908.5	7,888.6	21.6	9.1	46.40	741.6	-80.8	857.9	831.6	26.22	32.721	
8,050.0	7,982.3	7,933.4	7,913.4	21.6	9.1	46.50	741.6	-78.6	859.4	833.2	26.27	32.714	
8,075.0	8,007.3	7,958.3	7,938.2	21.6	9.2	46.60	741.6	-76.5	861.0	834.7	26.33	32.706	
8,100.0	8,032.3	7,983.3	7,963.0	21.6	9.2	46.70	741.6	-74.3	862.6	836.2	26.38	32.698	
8,125.0	8,057.3	8,008.2	7,987.8	21.6	9.2	46.80	741.6	-72.1	864.2	837.8	26.44	32.691	
8,150.0	8,082.3	8,033.1	8,012.6	21.6	9.2	46.90	741.6	-69.9	865.8	839.3	26.49	32.684	
8,175.0	8,107.3	8,058.0	8,037.5	21.6	9.3	47.00	741.6	-67.8	867.4	840.8	26.54	32.677	
8,200.0	8,132.3	8,082.9	8,062.3	21.6	9.3	47.09	741.6	-65.6	869.0	842.4	26.60	32.670	
8,225.0	8,157.3	8,107.8	8,087.1	21.6	9.3	47.19	741.6	-63.4	870.6	843.9	26.65	32.663	
8,250.0	8,182.3	8,132.7	8,111.9	21.7	9.4	47.29	741.6	-61.3	872.2	845.5	26.71	32.657	
8,275.0	8,207.3	8,157.6	8,136.7	21.7	9.4	47.38	741.6	-59.1	873.8	847.0	26.76	32.651	
8,300.0	8,232.3	8,182.5	8,161.5	21.7	9.4	47.48	741.6	-56.9	875.4	848.6	26.82	32.645	
8,325.0	8,257.3	8,207.4	8,186.3	21.7	9.5	47.58	741.6	-54.8	877.0	850.1	26.87	32.638	
8,350.0	8,282.3	8,232.3	8,211.1	21.7	9.5	47.67	741.6	-52.6	878.6	851.7	26.92	32.633	
8,375.0	8,307.3	8,257.2	8,235.9	21.7	9.5	47.77	741.6	-50.4	880.2	853.3	26.98	32.627	
8,400.0	8,332.3	8,282.1	8,260.7	21.7	9.5	47.86	741.6	-48.2	881.9	854.8	27.03	32.621	
8,425.0	8,357.3	8,307.0	8,285.6	21.7	9.6	47.96	741.6	-46.1	883.5	856.4	27.09	32.616	
8,450.0	8,382.3	8,331.9	8,310.4	21.7	9.6	48.05	741.6	-43.9	885.1	858.0	27.14	32.611	
8,475.0	8,407.3	8,356.8	8,335.2	21.8	9.6	48.15	741.6	-41.7	886.7	859.5	27.20	32.606	
8,500.0	8,432.3	8,381.7	8,360.0	21.8	9.7	48.24	741.6	-39.6	888.3	861.1	27.25	32.601	
8,525.0	8,457.3	8,406.6	8,384.8	21.8	9.7	48.33	741.6	-37.4	890.0	862.7	27.30	32.596	
8,550.0	8,482.3	8,431.5	8,409.6	21.8	9.7	48.43	741.6	-35.2	891.6	864.2	27.36	32.591	
8,575.0	8,507.3	8,456.4	8,434.4	21.8	9.7	48.52	741.6	-33.0	893.2	865.8	27.41	32.587	
8,600.0	8,532.3	8,481.3	8,459.2	21.8	9.8	48.61	741.6	-30.9	894.9	867.4	27.46	32.583	
8,625.0	8,557.3	8,506.3	8,484.0	21.8	9.8	48.70	741.6	-28.7	896.5	869.0	27.52	32.578	
8,650.0	8,582.3	8,531.2	8,508.8	21.8	9.8	48.79	741.6	-26.5	898.2	870.6	27.57	32.574	
8,675.0	8,607.3	8,556.1	8,533.7	21.8	9.9	48.89	741.6	-24.4	899.8	872.2	27.63	32.570	
8,700.0	8,632.3	8,581.0	8,558.5	21.9	9.9	48.98	741.6	-22.2	901.4	873.8	27.68	32.567	
8,725.0	8,657.3	8,605.9	8,583.3	21.9	9.9	49.07	741.6	-20.0	903.1	875.4	27.73	32.563	
8,750.0	8,682.3	8,630.8	8,608.1	21.9	10.0	49.16	741.6	-17.9	904.7	877.0	27.79	32.559	
8,775.0	8,707.3	8,655.7	8,632.9	21.9	10.0	49.25	741.6	-15.7	906.4	878.6	27.84	32.556	
8,800.0	8,732.3	8,680.6	8,657.7	21.9	10.0	49.34	741.6	-13.5	908.0	880.2	27.89	32.553	
8,825.0	8,757.3	8,705.5	8,682.5	21.9	10.0	49.43	741.6	-11.3	909.7	881.8	27.95	32.550	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,782.3	8,730.4	8,707.3	21.9	10.1	49.51	741.6	-9.2	911.4	883.4	28.00	32.547	
8,875.0	8,807.3	8,755.3	8,732.1	21.9	10.1	49.60	741.6	-7.0	913.0	885.0	28.06	32.544	
8,900.0	8,832.3	8,780.2	8,756.9	21.9	10.1	49.69	741.6	-4.8	914.7	886.6	28.11	32.541	
8,925.0	8,857.3	8,805.1	8,781.8	21.9	10.2	49.78	741.6	-2.7	916.4	888.2	28.16	32.538	
8,950.0	8,882.3	8,830.0	8,806.6	22.0	10.2	49.87	741.6	-0.5	918.0	889.8	28.22	32.536	
8,975.0	8,907.3	8,854.9	8,831.4	22.0	10.2	49.95	741.6	1.7	919.7	891.4	28.27	32.534	
9,000.0	8,932.3	8,879.8	8,856.2	22.0	10.2	50.04	741.6	3.9	921.4	893.0	28.32	32.531	
9,025.0	8,957.3	8,904.7	8,881.0	22.0	10.3	50.13	741.6	6.0	923.0	894.7	28.38	32.529	
9,050.0	8,982.3	8,929.6	8,905.8	22.0	10.3	50.21	741.6	8.2	924.7	896.3	28.43	32.527	
9,075.0	9,007.3	8,954.5	8,930.6	22.0	10.3	50.30	741.6	10.4	926.4	897.9	28.48	32.525	
9,100.0	9,032.3	8,979.4	8,955.4	22.0	10.4	50.39	741.6	12.5	928.1	899.5	28.54	32.523	
9,125.0	9,057.3	9,004.4	8,980.2	22.0	10.4	50.47	741.6	14.7	929.8	901.2	28.57	32.543	
9,150.0	9,082.3	9,029.3	9,005.0	22.0	10.4	50.56	741.6	16.9	931.4	902.8	28.60	32.562	
9,161.2	9,093.6	9,040.4	9,016.2	22.0	10.4	50.60	741.6	17.8	932.2	903.6	28.62	32.571	
9,175.0	9,107.3	9,054.2	9,029.9	22.0	10.5	50.64	741.6	19.0	933.0	904.4	28.64	32.574	
9,200.0	9,132.3	9,079.0	9,054.6	22.0	10.5	50.72	741.6	21.2	933.8	905.1	28.70	32.541	
9,225.0	9,157.1	9,103.8	9,079.3	22.0	10.5	50.93	741.6	23.4	933.8	905.1	28.76	32.469	
9,250.0	9,181.8	9,128.4	9,103.8	22.0	10.5	51.27	741.6	25.5	933.0	904.2	28.84	32.355	
9,275.0	9,206.3	9,152.7	9,128.0	22.1	10.6	51.75	741.6	27.6	931.4	902.5	28.92	32.202	
9,300.0	9,230.4	9,176.7	9,152.0	22.1	10.6	52.36	741.6	29.7	929.0	900.0	29.02	32.012	
9,325.0	9,254.1	9,200.4	9,175.5	22.1	10.6	53.10	741.6	31.8	925.9	896.8	29.13	31.784	
9,350.0	9,277.5	9,223.6	9,198.7	22.1	10.7	53.97	741.6	33.8	922.1	892.9	29.25	31.523	
9,375.0	9,300.3	9,246.4	9,221.3	22.1	10.7	54.97	741.6	35.8	917.6	888.2	29.38	31.229	
9,400.0	9,322.5	9,268.5	9,243.4	22.1	10.7	56.08	741.6	37.7	912.5	883.0	29.53	30.905	
9,425.0	9,344.1	9,290.0	9,264.8	22.1	10.7	57.32	741.6	39.6	906.8	877.1	29.68	30.554	
9,450.0	9,365.0	9,310.9	9,285.6	22.1	10.8	58.67	741.6	41.4	900.5	870.7	29.84	30.178	
9,475.0	9,385.2	9,331.0	9,305.6	22.1	10.8	60.12	741.6	43.2	893.8	863.8	30.01	29.780	
9,500.0	9,404.6	9,350.3	9,324.9	22.1	10.8	61.67	741.6	44.9	886.7	856.5	30.20	29.363	
9,525.0	9,423.1	9,368.8	9,343.3	22.1	10.8	63.30	741.6	46.5	879.2	848.8	30.39	28.931	
9,550.0	9,440.8	9,386.3	9,360.7	22.1	10.9	65.00	741.6	48.0	871.5	840.9	30.59	28.487	
9,575.0	9,457.4	9,402.9	9,377.3	22.1	10.9	66.74	741.6	49.4	863.5	832.7	30.80	28.034	
9,600.0	9,473.1	9,418.5	9,392.9	22.1	10.9	68.52	741.6	50.8	855.4	824.3	31.02	27.576	
9,625.0	9,487.8	9,433.1	9,407.4	22.1	10.9	70.31	741.6	52.1	847.2	815.9	31.24	27.117	
9,650.0	9,501.3	9,446.6	9,420.8	22.1	10.9	72.09	741.6	53.3	839.0	807.5	31.47	26.659	
9,675.0	9,513.8	9,459.0	9,433.2	22.2	10.9	73.84	741.6	54.3	830.9	799.2	31.71	26.207	
9,700.0	9,525.1	9,470.3	9,444.4	22.2	11.0	75.53	741.6	55.3	823.0	791.0	31.94	25.764	
9,725.0	9,535.2	9,480.3	9,454.4	22.2	11.0	77.14	741.6	56.2	815.3	783.1	32.18	25.333	
9,750.0	9,544.1	9,489.2	9,463.2	22.2	11.0	78.66	741.6	57.0	807.9	775.5	32.42	24.919	
9,775.0	9,551.7	9,496.8	9,470.8	22.2	11.0	80.06	741.6	57.6	800.9	768.2	32.66	24.523	
9,800.0	9,558.1	9,503.2	9,477.2	22.3	11.0	81.32	741.6	58.2	794.3	761.4	32.89	24.149	
9,825.0	9,563.3	9,508.3	9,482.3	22.3	11.0	82.44	741.6	58.6	788.2	755.1	33.12	23.799	
9,850.0	9,567.1	9,512.1	9,486.1	22.3	11.0	83.39	741.6	59.0	782.7	749.4	33.34	23.476	
9,875.0	9,569.6	9,514.7	9,488.6	22.3	11.0	84.18	741.6	59.2	777.8	744.3	33.55	23.181	
9,900.0	9,570.9	9,515.9	9,489.8	22.4	11.0	84.79	741.6	59.3	773.6	739.8	33.75	22.917	
9,907.4	9,571.0	9,516.0	9,490.0	22.4	11.0	84.93	741.6	59.3	772.4	738.6	33.81	22.845	
9,925.0	9,571.1	9,516.2	9,490.1	22.4	11.0	84.94	741.6	59.3	770.0	736.0	33.95	22.682	
9,950.0	9,571.3	9,516.4	9,490.3	22.4	11.0	84.96	741.6	59.3	767.2	733.1	34.13	22.481	
9,975.0	9,571.5	9,516.6	9,490.5	22.5	11.0	84.97	741.6	59.3	765.3	731.0	34.29	22.317	
10,000.0	9,571.7	9,516.7	9,490.7	22.5	11.0	84.99	741.6	59.4	764.1	729.7	34.43	22.190	
10,022.7	9,571.9	9,516.9	9,490.9	22.6	11.0	85.00	741.6	59.4	763.8	729.2	34.56	22.101	
10,025.0	9,571.9	9,516.9	9,490.9	22.6	11.0	85.00	741.6	59.4	763.8	729.2	34.57	22.093	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,050.0	9,572.1	9,517.1	9,491.1	22.6	11.0	85.02	741.6	59.4	764.3	729.6	34.69	22.033	
10,075.0	9,572.3	9,517.3	9,491.3	22.7	11.0	85.03	741.6	59.4	765.6	730.8	34.78	22.010 SF	
10,100.0	9,572.5	9,517.5	9,491.5	22.7	11.0	85.05	741.6	59.4	767.7	732.8	34.86	22.022	
10,125.0	9,572.7	9,517.7	9,491.7	22.8	11.0	85.06	741.6	59.4	770.6	735.7	34.92	22.064	
10,150.0	9,572.9	9,517.9	9,491.9	22.8	11.0	85.08	741.6	59.5	774.3	739.3	34.97	22.142	
10,175.0	9,573.2	9,518.1	9,492.1	22.9	11.0	85.09	741.6	59.5	778.8	743.8	35.00	22.254	
10,200.0	9,573.4	9,518.3	9,492.3	22.9	11.0	85.10	741.6	59.5	784.1	749.1	35.00	22.401	
10,225.0	9,573.6	9,518.5	9,492.5	23.0	11.0	85.12	741.6	59.5	790.1	755.1	35.00	22.575	
10,250.0	9,573.8	9,518.7	9,492.6	23.1	11.0	85.13	741.6	59.5	796.9	761.9	34.98	22.782	
10,275.0	9,574.0	9,518.9	9,492.8	23.1	11.0	85.15	741.6	59.6	804.3	769.4	34.94	23.021	
10,300.0	9,574.2	9,519.1	9,493.0	23.2	11.0	85.16	741.6	59.6	812.5	777.6	34.89	23.290	
10,325.0	9,574.4	9,519.3	9,493.2	23.3	11.0	85.18	741.6	59.6	821.4	786.6	34.83	23.585	
10,350.0	9,574.6	9,519.5	9,493.4	23.3	11.0	85.19	741.6	59.6	830.9	796.2	34.75	23.909	
10,375.0	9,574.8	9,519.7	9,493.6	23.4	11.0	85.21	741.6	59.6	841.1	806.4	34.67	24.260	
10,400.0	9,575.0	9,519.9	9,493.8	23.5	11.0	85.22	741.6	59.6	851.9	817.3	34.57	24.639	
10,425.0	9,575.2	9,520.1	9,494.0	23.6	11.0	85.24	741.6	59.7	863.2	828.7	34.47	25.040	
10,450.0	9,575.4	9,520.3	9,494.2	23.6	11.0	85.25	741.6	59.7	875.1	840.8	34.37	25.465	
10,475.0	9,575.6	9,520.5	9,494.4	23.7	11.0	85.27	741.6	59.7	887.6	853.4	34.25	25.915	
10,500.0	9,575.8	9,520.7	9,494.6	23.8	11.0	85.28	741.6	59.7	900.6	866.5	34.13	26.388	
10,525.0	9,576.0	9,520.9	9,494.8	23.9	11.0	85.30	741.6	59.7	914.1	880.1	34.01	26.879	
10,550.0	9,576.2	9,521.1	9,495.0	24.0	11.0	85.31	741.6	59.7	928.1	894.2	33.88	27.392	
10,575.0	9,576.4	9,521.3	9,495.2	24.0	11.0	85.33	741.6	59.8	942.5	908.8	33.75	27.925	
10,600.0	9,576.6	9,521.5	9,495.4	24.1	11.0	85.34	741.6	59.8	957.4	923.7	33.62	28.477	
10,625.0	9,576.8	9,521.7	9,495.6	24.2	11.0	85.36	741.6	59.8	972.6	939.2	33.49	29.044	
10,650.0	9,577.0	9,521.9	9,495.8	24.3	11.0	85.37	741.6	59.8	988.3	955.0	33.36	29.629	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
0.0	0.0	0.0	0.0	0.0	3.0	-37.61	741.4	-571.2	936.0				
25.0	25.0	10.4	10.4	0.5	3.0	-37.61	741.4	-571.2	935.9				
50.0	50.0	35.4	35.4	0.5	3.0	-37.61	741.4	-571.2	935.9	931.2	4.73	198.077	
75.0	75.0	60.4	60.4	0.5	3.0	-37.61	741.4	-571.2	935.9	931.2	4.73	198.073	
100.0	100.0	85.4	85.4	0.5	3.0	-37.61	741.4	-571.2	935.9	931.2	4.73	198.067	
125.0	125.0	110.4	110.4	0.6	3.0	-37.61	741.4	-571.2	935.9	931.2	4.76	196.667	
150.0	150.0	135.4	135.4	0.8	3.0	-37.61	741.4	-571.2	935.9	931.1	4.80	194.984	
175.0	175.0	160.4	160.4	0.9	3.0	-37.61	741.4	-571.2	935.9	931.1	4.85	193.047	
200.0	200.0	185.4	185.4	1.0	3.0	-37.61	741.4	-571.2	935.9	931.0	4.90	190.881	
225.0	225.0	210.4	210.4	1.1	3.0	-37.61	741.4	-571.2	935.9	931.0	4.94	189.314	
250.0	250.0	235.4	235.4	1.2	3.0	-37.61	741.4	-571.2	935.9	930.9	4.99	187.660	
275.0	275.0	260.4	260.4	1.3	3.0	-37.61	741.4	-571.2	935.9	930.9	5.03	185.929	
300.0	300.0	285.4	285.4	1.4	3.0	-37.61	741.4	-571.2	935.9	930.8	5.08	184.127	
325.0	325.0	310.4	310.4	1.4	3.0	-37.61	741.4	-571.2	935.9	930.8	5.13	182.595	
350.0	350.0	335.4	335.4	1.5	3.0	-37.61	741.4	-571.2	935.9	930.7	5.17	181.024	
375.0	375.0	360.4	360.4	1.6	3.0	-37.61	741.4	-571.2	935.9	930.7	5.22	179.418	
400.0	400.0	385.4	385.4	1.6	3.0	-37.61	741.4	-571.2	935.9	930.7	5.26	177.781	
425.0	425.0	410.4	410.4	1.7	3.0	-37.61	741.4	-571.2	935.9	930.6	5.31	176.314	
450.0	450.0	435.4	435.4	1.8	3.0	-37.61	741.4	-571.2	935.9	930.6	5.35	174.829	
475.0	475.0	460.4	460.4	1.8	3.0	-37.61	741.4	-571.2	935.9	930.5	5.40	173.327	
500.0	500.0	485.4	485.4	1.9	3.1	-37.61	741.4	-571.2	935.9	930.5	5.45	171.812	
525.0	525.0	510.4	510.4	1.9	3.1	-37.61	741.4	-571.2	935.9	930.4	5.49	170.418	
550.0	550.0	535.4	535.4	2.0	3.1	-37.61	741.4	-571.2	935.9	930.4	5.54	169.016	
575.0	575.0	560.4	560.4	2.1	3.1	-37.61	741.4	-571.2	935.9	930.3	5.58	167.607	
600.0	600.0	585.4	585.4	2.1	3.1	-37.61	741.4	-571.2	935.9	930.3	5.63	166.194	
625.0	625.0	610.4	610.4	2.2	3.1	-37.61	741.4	-571.2	935.9	930.2	5.68	164.872	
650.0	650.0	635.4	635.4	2.2	3.1	-37.61	741.4	-571.2	935.9	930.2	5.72	163.548	
675.0	675.0	660.4	660.4	2.3	3.1	-37.61	741.4	-571.2	935.9	930.1	5.77	162.224	
700.0	700.0	685.4	685.4	2.3	3.1	-37.61	741.4	-571.2	935.9	930.1	5.82	160.899	
725.0	725.0	710.4	710.4	2.4	3.1	-37.61	741.4	-571.2	935.9	930.1	5.86	159.647	
750.0	750.0	735.4	735.4	2.4	3.1	-37.61	741.4	-571.2	935.9	930.0	5.91	158.397	
775.0	775.0	760.4	760.4	2.5	3.1	-37.61	741.4	-571.2	935.9	930.0	5.96	157.149	
800.0	800.0	785.4	785.4	2.5	3.1	-37.61	741.4	-571.2	935.9	929.9	6.00	155.905	
825.0	825.0	810.4	810.4	2.6	3.2	-37.61	741.4	-571.2	935.9	929.9	6.05	154.719	
850.0	850.0	835.4	835.4	2.6	3.2	-37.61	741.4	-571.2	935.9	929.8	6.10	153.538	
875.0	875.0	860.4	860.4	2.6	3.2	-37.61	741.4	-571.2	935.9	929.8	6.14	152.361	
900.0	900.0	885.4	885.4	2.7	3.2	-37.61	741.4	-571.2	935.9	929.7	6.19	151.188	
925.0	925.0	910.4	910.4	2.7	3.2	-37.61	741.4	-571.2	935.9	929.7	6.24	150.065	
950.0	950.0	935.4	935.4	2.8	3.2	-37.61	741.4	-571.2	935.9	929.6	6.28	148.948	
975.0	975.0	960.4	960.4	2.8	3.2	-37.61	741.4	-571.2	935.9	929.6	6.33	147.836	
1,000.0	1,000.0	985.4	985.4	2.9	3.2	-37.61	741.4	-571.2	935.9	929.5	6.38	146.730	
1,025.0	1,025.0	1,010.4	1,010.4	2.9	3.2	-37.61	741.4	-571.2	935.9	929.5	6.43	145.665	
1,050.0	1,050.0	1,035.4	1,035.4	3.0	3.3	-37.61	741.4	-571.2	935.9	929.4	6.47	144.607	
1,075.0	1,075.0	1,060.4	1,060.4	3.0	3.3	-37.61	741.4	-571.2	935.9	929.4	6.52	143.555	
1,100.0	1,100.0	1,085.4	1,085.4	3.0	3.3	-37.61	741.4	-571.2	935.9	929.4	6.57	142.510	
1,125.0	1,125.0	1,110.4	1,110.4	3.1	3.3	-37.61	741.4	-571.2	935.9	929.3	6.61	141.500	
1,150.0	1,150.0	1,135.4	1,135.4	3.1	3.3	-37.61	741.4	-571.2	935.9	929.3	6.66	140.497	
1,175.0	1,175.0	1,160.4	1,160.4	3.2	3.3	-37.61	741.4	-571.2	935.9	929.2	6.71	139.501	
1,200.0	1,200.0	1,185.4	1,185.4	3.2	3.3	-37.61	741.4	-571.2	935.9	929.2	6.76	138.512	
1,225.0	1,225.0	1,210.4	1,210.4	3.2	3.4	-37.61	741.4	-571.2	935.9	929.1	6.80	137.553	
1,250.0	1,250.0	1,235.4	1,235.4	3.3	3.4	-37.61	741.4	-571.2	935.9	929.1	6.85	136.602	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	1,260.4	1,260.4	3.3	3.4	-37.61	741.4	-571.2	935.9	929.0	6.90	135.657	
1,300.0	1,300.0	1,285.4	1,285.4	3.4	3.4	-37.61	741.4	-571.2	935.9	929.0	6.95	134.719	
1,325.0	1,325.0	1,310.4	1,310.4	3.4	3.4	-37.61	741.4	-571.2	935.9	928.9	6.99	133.809	
1,350.0	1,350.0	1,335.4	1,335.4	3.4	3.4	-37.61	741.4	-571.2	935.9	928.9	7.04	132.905	
1,375.0	1,375.0	1,360.4	1,360.4	3.5	3.5	-37.61	741.4	-571.2	935.9	928.8	7.09	132.008	
1,400.0	1,400.0	1,385.4	1,385.4	3.5	3.5	-37.61	741.4	-571.2	935.9	928.8	7.14	131.119	
1,425.0	1,425.0	1,410.4	1,410.4	3.6	3.5	-37.61	741.4	-571.2	935.9	928.7	7.19	130.253	
1,450.0	1,450.0	1,435.4	1,435.4	3.6	3.5	-37.61	741.4	-571.2	935.9	928.7	7.23	129.394	
1,475.0	1,475.0	1,460.4	1,460.4	3.6	3.5	-37.61	741.4	-571.2	935.9	928.6	7.28	128.541	
1,500.0	1,500.0	1,485.4	1,485.4	3.7	3.5	-37.61	741.4	-571.2	935.9	928.6	7.33	127.696	
1,525.0	1,525.0	1,510.4	1,510.4	3.7	3.6	-37.61	741.4	-571.2	935.9	928.5	7.38	126.872	
1,550.0	1,550.0	1,535.4	1,535.4	3.8	3.6	-37.61	741.4	-571.2	935.9	928.5	7.42	126.055	
1,575.0	1,575.0	1,560.4	1,560.4	3.8	3.6	-37.61	741.4	-571.2	935.9	928.4	7.47	125.244	
1,600.0	1,600.0	1,585.4	1,585.4	3.8	3.6	-37.61	741.4	-571.2	935.9	928.4	7.52	124.440	
1,625.0	1,625.0	1,610.4	1,610.4	3.9	3.6	-37.61	741.4	-571.2	935.9	928.3	7.57	123.655	
1,650.0	1,650.0	1,635.4	1,635.4	3.9	3.6	-37.61	741.4	-571.2	935.9	928.3	7.62	122.876	
1,675.0	1,675.0	1,660.4	1,660.4	3.9	3.7	-37.61	741.4	-571.2	935.9	928.3	7.66	122.104	
1,700.0	1,700.0	1,685.4	1,685.4	4.0	3.7	-37.61	741.4	-571.2	935.9	928.2	7.71	121.338	
1,725.0	1,725.0	1,710.4	1,710.4	4.0	3.7	-37.61	741.4	-571.2	935.9	928.2	7.76	120.589	
1,750.0	1,750.0	1,735.4	1,735.4	4.1	3.7	-37.61	741.4	-571.2	935.9	928.1	7.81	119.847	
1,775.0	1,775.0	1,760.4	1,760.4	4.1	3.7	-37.61	741.4	-571.2	935.9	928.1	7.86	119.111	
1,800.0	1,800.0	1,785.4	1,785.4	4.1	3.8	-37.61	741.4	-571.2	935.9	928.0	7.91	118.381	
1,825.0	1,825.0	1,810.4	1,810.4	4.2	3.8	-37.61	741.4	-571.2	935.9	928.0	7.95	117.667	
1,850.0	1,850.0	1,835.4	1,835.4	4.2	3.8	-37.61	741.4	-571.2	935.9	927.9	8.00	116.958	
1,875.0	1,875.0	1,860.4	1,860.4	4.2	3.8	-37.61	741.4	-571.2	935.9	927.9	8.05	116.256	
1,900.0	1,900.0	1,885.4	1,885.4	4.3	3.8	-37.61	741.4	-571.2	935.9	927.8	8.10	115.559	
1,925.0	1,925.0	1,910.4	1,910.4	4.3	3.9	-37.61	741.4	-571.2	935.9	927.8	8.15	114.877	
1,950.0	1,950.0	1,935.4	1,935.4	4.3	3.9	-37.61	741.4	-571.2	935.9	927.7	8.20	114.200	
1,975.0	1,975.0	1,960.4	1,960.4	4.4	3.9	-37.61	741.4	-571.2	935.9	927.7	8.24	113.530	
2,000.0	2,000.0	1,985.4	1,985.4	4.4	3.9	-37.61	741.4	-571.2	935.9	927.6	8.29	112.864	
2,025.0	2,025.0	2,010.4	2,010.4	4.4	3.9	40.22	741.4	-571.2	935.8	927.5	8.35	112.094	
2,050.0	2,050.0	2,035.4	2,035.4	4.5	4.0	40.23	741.4	-571.2	935.6	927.2	8.41	111.268	
2,075.0	2,075.0	2,060.4	2,060.4	4.5	4.0	40.26	741.4	-571.2	935.2	926.7	8.47	110.390	
2,100.0	2,100.0	2,085.4	2,085.4	4.5	4.0	40.30	741.4	-571.2	934.6	926.0	8.54	109.463	
2,125.0	2,125.0	2,110.4	2,110.4	4.6	4.0	40.35	741.4	-571.2	933.8	925.2	8.62	108.367	
2,150.0	2,149.9	2,135.3	2,135.3	4.6	4.1	40.41	741.4	-571.2	932.9	924.2	8.70	107.259	
2,175.0	2,174.9	2,160.3	2,160.3	4.7	4.1	40.48	741.4	-571.2	931.8	923.1	8.78	106.141	
2,200.0	2,199.8	2,185.2	2,185.2	4.7	4.1	40.56	741.4	-571.2	930.6	921.7	8.86	105.013	
2,225.0	2,224.8	2,210.2	2,210.2	4.7	4.1	40.65	741.4	-571.2	929.2	920.2	8.94	103.880	
2,250.0	2,249.7	2,235.1	2,235.1	4.8	4.1	40.76	741.4	-571.2	927.6	918.6	9.03	102.742	
2,275.0	2,274.6	2,260.0	2,260.0	4.8	4.2	40.87	741.4	-571.2	925.9	916.8	9.11	101.598	
2,300.0	2,299.5	2,284.9	2,284.9	4.9	4.2	41.00	741.4	-571.2	924.0	914.8	9.20	100.450	
2,325.0	2,324.3	2,309.7	2,309.7	4.9	4.2	41.13	741.4	-571.2	921.9	912.6	9.29	99.287	
2,350.0	2,349.1	2,334.5	2,334.5	5.0	4.2	41.28	741.4	-571.2	919.7	910.3	9.37	98.123	
2,375.0	2,373.9	2,359.3	2,359.3	5.1	4.3	41.45	741.4	-571.2	917.3	907.9	9.46	96.957	
2,400.0	2,398.7	2,384.1	2,384.1	5.1	4.3	41.62	741.4	-571.2	914.8	905.3	9.55	95.792	
2,425.0	2,423.4	2,408.8	2,408.8	5.2	4.3	41.80	741.4	-571.2	912.1	902.5	9.64	94.608	
2,450.0	2,448.2	2,433.6	2,433.6	5.3	4.3	42.00	741.4	-571.2	909.3	899.5	9.73	93.427	
2,475.0	2,472.8	2,458.2	2,458.2	5.4	4.4	42.21	741.4	-571.2	906.3	896.4	9.82	92.248	
2,500.0	2,497.5	2,482.9	2,482.9	5.5	4.4	42.43	741.4	-571.2	903.1	893.2	9.92	91.073	
2,525.0	2,522.1	2,507.5	2,507.5	5.5	4.4	42.67	741.4	-571.2	899.8	889.8	9.99	90.053	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,532.0	2,532.0	5.6	4.4	42.92	741.4	-571.2	896.4	886.3	10.07	89.033	
2,575.0	2,571.1	2,556.5	2,556.5	5.7	4.5	43.18	741.4	-571.2	892.8	882.6	10.14	88.014	
2,600.0	2,595.6	2,581.0	2,581.0	5.7	4.5	43.39	741.4	-571.2	889.1	878.9	10.20	87.159	
2,625.0	2,620.1	2,605.5	2,605.5	5.8	4.5	43.61	741.4	-571.2	885.5	875.2	10.29	86.056	
2,650.0	2,644.6	2,630.0	2,630.0	5.9	4.5	43.83	741.4	-571.2	881.8	871.4	10.38	84.973	
2,675.0	2,669.1	2,654.5	2,654.5	5.9	4.5	44.06	741.4	-571.2	878.2	867.7	10.47	83.909	
2,700.0	2,693.6	2,679.0	2,679.0	6.0	4.6	44.28	741.4	-571.2	874.6	864.0	10.55	82.864	
2,725.0	2,718.1	2,703.5	2,703.5	6.1	4.6	44.51	741.4	-571.2	871.0	860.4	10.64	81.833	
2,750.0	2,742.6	2,728.0	2,728.0	6.2	4.6	44.74	741.4	-571.2	867.4	856.7	10.73	80.820	
2,775.0	2,767.1	2,752.5	2,752.5	6.3	4.6	44.97	741.4	-571.2	863.8	853.0	10.82	79.825	
2,800.0	2,791.6	2,777.0	2,777.0	6.4	4.7	45.20	741.4	-571.2	860.3	849.4	10.91	78.849	
2,825.0	2,816.1	2,801.5	2,801.5	6.4	4.7	45.43	741.4	-571.2	856.7	845.7	11.00	77.870	
2,850.0	2,840.6	2,826.0	2,826.0	6.5	4.7	45.67	741.4	-571.2	853.2	842.1	11.09	76.910	
2,875.0	2,865.1	2,850.5	2,850.5	6.6	4.7	45.91	741.4	-571.2	849.7	838.5	11.19	75.968	
2,900.0	2,889.6	2,875.0	2,875.0	6.7	4.8	46.15	741.4	-571.2	846.2	834.9	11.28	75.043	
2,925.0	2,914.1	2,899.5	2,899.5	6.8	4.8	46.39	741.4	-571.2	842.7	831.4	11.37	74.120	
2,950.0	2,938.6	2,924.0	2,924.0	6.9	4.8	46.63	741.4	-571.2	839.3	827.8	11.46	73.214	
2,975.0	2,963.1	2,948.5	2,948.5	7.0	4.8	46.88	741.4	-571.2	835.8	824.3	11.56	72.326	
3,000.0	2,987.6	2,973.0	2,973.0	7.1	4.9	47.13	741.4	-571.2	832.4	820.7	11.65	71.454	
3,025.0	3,012.1	2,997.5	2,997.5	7.2	4.9	47.38	741.4	-571.2	829.0	817.2	11.74	70.587	
3,050.0	3,036.6	3,022.0	3,022.0	7.2	4.9	47.63	741.4	-571.2	825.6	813.7	11.84	69.736	
3,075.0	3,061.1	3,046.5	3,046.5	7.3	4.9	47.88	741.4	-571.2	822.2	810.2	11.93	68.902	
3,100.0	3,085.6	3,071.0	3,071.0	7.4	5.0	48.14	741.4	-571.2	818.8	806.8	12.03	68.083	
3,125.0	3,110.1	3,095.5	3,095.5	7.5	5.0	48.40	741.4	-571.2	815.4	803.3	12.12	67.271	
3,150.0	3,134.6	3,120.0	3,120.0	7.6	5.0	48.66	741.4	-571.2	812.1	799.9	12.22	66.475	
3,175.0	3,159.1	3,144.5	3,144.5	7.7	5.1	48.92	741.4	-571.2	808.8	796.5	12.31	65.694	
3,200.0	3,183.6	3,169.0	3,169.0	7.8	5.1	49.18	741.4	-571.2	805.5	793.1	12.41	64.928	
3,225.0	3,208.1	3,193.5	3,193.5	7.9	5.1	49.45	741.4	-571.2	802.2	789.7	12.50	64.169	
3,250.0	3,232.6	3,218.0	3,218.0	8.0	5.1	49.72	741.4	-571.2	798.9	786.3	12.60	63.426	
3,275.0	3,257.1	3,242.5	3,242.5	8.1	5.2	49.99	741.4	-571.2	795.7	783.0	12.69	62.696	
3,300.0	3,281.6	3,267.0	3,267.0	8.2	5.2	50.26	741.4	-571.2	792.4	779.7	12.79	61.981	
3,325.0	3,306.1	3,291.5	3,291.5	8.3	5.2	50.54	741.4	-571.2	789.2	776.3	12.88	61.274	
3,350.0	3,330.6	3,316.0	3,316.0	8.4	5.2	50.81	741.4	-571.2	786.0	773.0	12.97	60.581	
3,375.0	3,355.1	3,340.5	3,340.5	8.5	5.3	51.09	741.4	-571.2	782.8	769.8	13.07	59.901	
3,400.0	3,379.6	3,365.0	3,365.0	8.6	5.3	51.37	741.4	-571.2	779.7	766.5	13.16	59.235	
3,425.0	3,404.1	3,389.5	3,389.5	8.7	5.3	51.66	741.4	-571.2	776.5	763.3	13.26	58.577	
3,450.0	3,428.6	3,414.0	3,414.0	8.8	5.3	51.94	741.4	-571.2	773.4	760.1	13.35	57.932	
3,475.0	3,453.1	3,438.5	3,438.5	8.9	5.4	52.23	741.4	-571.2	770.3	756.9	13.44	57.299	
3,500.0	3,477.6	3,463.0	3,463.0	9.0	5.4	52.52	741.4	-571.2	767.2	753.7	13.54	56.679	
3,525.0	3,502.1	3,487.5	3,487.5	9.1	5.4	52.81	741.4	-571.2	764.2	750.6	13.63	56.068	
3,550.0	3,526.6	3,512.0	3,512.0	9.2	5.4	53.11	741.4	-571.2	761.1	747.4	13.72	55.468	
3,575.0	3,551.1	3,536.5	3,536.5	9.3	5.5	53.41	741.4	-571.2	758.1	744.3	13.81	54.881	
3,600.0	3,575.6	3,561.0	3,561.0	9.4	5.5	53.71	741.4	-571.2	755.1	741.2	13.91	54.305	
3,625.0	3,600.1	3,585.5	3,585.5	9.5	5.5	54.01	741.4	-571.2	752.1	738.1	14.00	53.737	
3,650.0	3,624.6	3,610.0	3,610.0	9.6	5.6	54.31	741.4	-571.2	749.2	735.1	14.09	53.181	
3,675.0	3,649.1	3,634.5	3,634.5	9.8	5.6	54.62	741.4	-571.2	746.2	732.1	14.18	52.635	
3,700.0	3,673.6	3,659.0	3,659.0	9.9	5.6	54.93	741.4	-571.2	743.3	729.1	14.27	52.101	
3,725.0	3,698.1	3,683.5	3,683.5	10.0	5.6	55.24	741.4	-571.2	740.4	726.1	14.36	51.574	
3,750.0	3,722.6	3,708.0	3,708.0	10.1	5.7	55.55	741.4	-571.2	737.6	723.1	14.45	51.059	
3,775.0	3,747.1	3,732.5	3,732.5	10.2	5.7	55.87	741.4	-571.2	734.7	720.2	14.53	50.553	
3,800.0	3,771.6	3,757.0	3,757.0	10.3	5.7	56.19	741.4	-571.2	731.9	717.3	14.62	50.058	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,825.0	3,796.1	3,781.5	3,781.5	10.4	5.7	56.51	741.4	-571.2	729.1	714.4	14.71	49.570	
3,850.0	3,820.6	3,806.0	3,806.0	10.5	5.8	56.83	741.4	-571.2	726.3	711.5	14.80	49.092	
3,875.0	3,845.1	3,830.5	3,830.5	10.6	5.8	57.16	741.4	-571.2	723.6	708.7	14.88	48.624	
3,900.0	3,869.5	3,854.9	3,854.9	10.7	5.8	57.49	741.4	-571.2	720.8	705.9	14.97	48.165	
3,925.0	3,894.0	3,879.4	3,879.4	10.8	5.9	57.82	741.4	-571.2	718.1	703.1	15.05	47.714	
3,950.0	3,918.5	3,903.9	3,903.9	10.9	5.9	58.15	741.4	-571.2	715.5	700.3	15.14	47.272	
3,975.0	3,943.0	3,928.4	3,928.4	11.0	5.9	58.48	741.4	-571.2	712.8	697.6	15.22	46.838	
4,000.0	3,967.5	3,952.9	3,952.9	11.1	5.9	58.82	741.4	-571.2	710.2	694.9	15.30	46.414	
4,025.0	3,992.0	3,977.4	3,977.4	11.2	6.0	59.16	741.4	-571.2	707.6	692.2	15.38	45.997	
4,050.0	4,016.5	4,001.9	4,001.9	11.4	6.0	59.51	741.4	-571.2	705.0	689.5	15.46	45.588	
4,075.0	4,041.0	4,026.4	4,026.4	11.5	6.0	59.85	741.4	-571.2	702.4	686.9	15.54	45.188	
4,100.0	4,065.5	4,050.9	4,050.9	11.6	6.1	60.20	741.4	-571.2	699.9	684.3	15.62	44.796	
4,125.0	4,090.0	4,075.4	4,075.4	11.7	6.1	60.55	741.4	-571.2	697.4	681.7	15.70	44.410	
4,150.0	4,114.5	4,099.9	4,099.9	11.8	6.1	60.90	741.4	-571.2	694.9	679.1	15.78	44.033	
4,175.0	4,139.0	4,124.4	4,124.4	11.9	6.1	61.26	741.4	-571.2	692.5	676.6	15.86	43.663	
4,200.0	4,163.5	4,148.9	4,148.9	12.0	6.2	61.61	741.4	-571.2	690.1	674.1	15.94	43.301	
4,225.0	4,188.0	4,173.4	4,173.4	12.1	6.2	61.97	741.4	-571.2	687.7	671.7	16.01	42.945	
4,250.0	4,212.5	4,197.9	4,197.9	12.2	6.2	62.33	741.4	-571.2	685.3	669.2	16.09	42.597	
4,275.0	4,237.0	4,222.4	4,222.4	12.3	6.3	62.70	741.4	-571.2	683.0	666.8	16.16	42.256	
4,300.0	4,261.5	4,246.9	4,246.9	12.4	6.3	63.07	741.4	-571.2	680.7	664.4	16.24	41.922	
4,325.0	4,286.0	4,271.4	4,271.4	12.6	6.3	63.43	741.4	-571.2	678.4	662.1	16.31	41.595	
4,350.0	4,310.5	4,295.9	4,295.9	12.7	6.3	63.81	741.4	-571.2	676.1	659.7	16.38	41.274	
4,375.0	4,335.0	4,320.4	4,320.4	12.8	6.4	64.18	741.4	-571.2	673.9	657.4	16.45	40.959	
4,400.0	4,359.5	4,344.9	4,344.9	12.9	6.4	64.56	741.4	-571.2	671.7	655.2	16.52	40.652	
4,425.0	4,384.0	4,369.4	4,369.4	13.0	6.4	64.94	741.4	-571.2	669.5	653.0	16.59	40.350	
4,450.0	4,408.5	4,393.9	4,393.9	13.1	6.5	65.32	741.4	-571.2	667.4	650.8	16.66	40.055	
4,475.0	4,433.0	4,418.4	4,418.4	13.2	6.5	65.70	741.4	-571.2	665.3	648.6	16.73	39.765	
4,500.0	4,457.5	4,442.9	4,442.9	13.3	6.5	66.09	741.4	-571.2	663.2	646.4	16.80	39.482	
4,525.0	4,482.0	4,467.4	4,467.4	13.4	6.5	66.47	741.4	-571.2	661.2	644.3	16.87	39.205	
4,550.0	4,506.5	4,491.9	4,491.9	13.6	6.6	66.86	741.4	-571.2	659.2	642.3	16.93	38.933	
4,575.0	4,531.0	4,516.4	4,516.4	13.7	6.6	67.26	741.4	-571.2	657.2	640.2	17.00	38.667	
4,600.0	4,555.5	4,540.9	4,540.9	13.8	6.6	67.65	741.4	-571.2	655.3	638.2	17.06	38.407	
4,625.0	4,580.0	4,565.4	4,565.4	13.9	6.7	68.05	741.4	-571.2	653.4	636.2	17.13	38.152	
4,650.0	4,604.5	4,589.9	4,589.9	14.0	6.7	68.45	741.4	-571.2	651.5	634.3	17.19	37.902	
4,675.0	4,629.0	4,614.4	4,614.4	14.1	6.7	68.85	741.4	-571.2	649.6	632.4	17.25	37.658	
4,700.0	4,653.5	4,638.9	4,638.9	14.2	6.7	69.26	741.4	-571.2	647.8	630.5	17.31	37.419	
4,725.0	4,678.0	4,663.4	4,663.4	14.3	6.8	69.66	741.4	-571.2	646.0	628.7	17.37	37.184	
4,750.0	4,702.5	4,687.9	4,687.9	14.5	6.8	70.07	741.4	-571.2	644.3	626.9	17.43	36.955	
4,775.0	4,727.0	4,712.4	4,712.4	14.6	6.8	70.48	741.4	-571.2	642.6	625.1	17.49	36.731	
4,800.0	4,751.5	4,736.9	4,736.9	14.7	6.9	70.89	741.4	-571.2	640.9	623.4	17.55	36.511	
4,825.0	4,776.0	4,761.4	4,761.4	14.8	6.9	71.31	741.4	-571.2	639.3	621.7	17.61	36.296	
4,850.0	4,800.5	4,785.9	4,785.9	14.9	6.9	71.72	741.4	-571.2	637.7	620.0	17.67	36.085	
4,875.0	4,825.0	4,810.4	4,810.4	15.0	6.9	72.14	741.4	-571.2	636.1	618.4	17.73	35.879	
4,900.0	4,849.5	4,834.9	4,834.9	15.1	7.0	72.56	741.4	-571.2	634.5	616.8	17.79	35.677	
4,925.0	4,874.0	4,859.4	4,859.4	15.2	7.0	72.98	741.4	-571.2	633.0	615.2	17.84	35.480	
4,950.0	4,898.5	4,883.9	4,883.9	15.4	7.0	73.41	741.4	-571.2	631.6	613.7	17.90	35.286	
4,975.0	4,923.0	4,908.4	4,908.4	15.5	7.1	73.84	741.4	-571.2	630.1	612.2	17.95	35.097	
5,000.0	4,947.5	4,932.9	4,932.9	15.6	7.1	74.26	741.4	-571.2	628.7	610.7	18.01	34.911	
5,025.0	4,972.0	4,957.4	4,957.4	15.7	7.1	74.69	741.4	-571.2	627.4	609.3	18.06	34.730	
5,050.0	4,996.5	4,981.9	4,981.9	15.8	7.1	75.13	741.4	-571.2	626.1	607.9	18.12	34.552	
5,075.0	5,021.0	5,006.4	5,006.4	15.9	7.2	75.56	741.4	-571.2	624.8	606.6	18.17	34.378	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,100.0	5,045.5	5,030.9	5,030.9	16.0	7.2	75.99	741.4	-571.2	623.5	605.3	18.23	34.207	
5,125.0	5,070.0	5,055.4	5,055.4	16.1	7.2	76.43	741.4	-571.2	622.3	604.0	18.28	34.040	
5,150.0	5,094.5	5,079.9	5,079.9	16.3	7.3	76.87	741.4	-571.2	621.1	602.8	18.34	33.876	
5,175.0	5,119.0	5,104.4	5,104.4	16.4	7.3	77.31	741.4	-571.2	620.0	601.6	18.39	33.715	
5,200.0	5,143.5	5,128.9	5,128.9	16.5	7.3	77.75	741.4	-571.2	618.9	600.5	18.44	33.557	
5,225.0	5,168.0	5,153.4	5,153.4	16.6	7.4	78.19	741.4	-571.2	617.9	599.4	18.50	33.403	
5,250.0	5,192.4	5,177.8	5,177.8	16.7	7.4	78.64	741.4	-571.2	616.8	598.3	18.55	33.251	
5,275.0	5,216.9	5,202.3	5,202.3	16.8	7.4	79.08	741.4	-571.2	615.8	597.2	18.60	33.102	
5,300.0	5,241.4	5,226.8	5,226.8	16.9	7.4	79.53	741.4	-571.2	614.9	596.2	18.66	32.957	
5,325.0	5,265.9	5,251.3	5,251.3	17.1	7.5	79.98	741.4	-571.2	614.0	595.3	18.71	32.813	
5,350.0	5,290.4	5,275.8	5,275.8	17.2	7.5	80.43	741.4	-571.2	613.1	594.4	18.77	32.672	
5,375.0	5,314.9	5,300.3	5,300.3	17.3	7.5	80.88	741.4	-571.2	612.3	593.5	18.82	32.534	
5,400.0	5,339.4	5,324.8	5,324.8	17.4	7.6	81.33	741.4	-571.2	611.5	592.7	18.88	32.398	
5,425.0	5,363.9	5,349.3	5,349.3	17.5	7.6	81.78	741.4	-571.2	610.8	591.9	18.93	32.265	
5,450.0	5,388.4	5,373.8	5,373.8	17.6	7.6	82.24	741.4	-571.2	610.1	591.1	18.98	32.135	
5,475.0	5,412.9	5,398.3	5,398.3	17.7	7.6	82.69	741.4	-571.2	609.4	590.4	19.04	32.006	
5,498.0	5,435.5	5,420.9	5,420.9	17.8	7.7	83.11	741.4	-571.2	608.8	589.7	19.09	31.890	
5,500.0	5,437.4	5,422.8	5,422.8	17.8	7.7	83.15	741.4	-571.2	608.8	589.7	19.09	31.882	
5,525.0	5,461.9	5,447.3	5,447.3	18.0	7.7	83.59	741.4	-571.2	608.2	589.0	19.22	31.649	
5,550.0	5,486.5	5,471.9	5,471.9	18.1	7.7	84.02	741.4	-571.2	607.7	588.3	19.34	31.419	
5,575.0	5,511.1	5,496.5	5,496.5	18.3	7.8	84.43	741.4	-571.2	607.2	587.8	19.47	31.193	
5,600.0	5,535.7	5,518.6	5,518.6	18.4	7.8	84.80	741.4	-571.1	606.8	587.3	19.59	30.976	
5,625.0	5,560.3	5,540.2	5,540.2	18.6	7.8	85.16	741.6	-571.0	606.6	587.0	19.64	30.885	
5,644.0	5,579.1	5,556.6	5,556.6	18.6	7.8	85.43	741.7	-570.7	606.6	586.9	19.68	30.822	
5,650.0	5,585.0	5,561.8	5,561.8	18.7	7.8	85.51	741.8	-570.6	606.6	586.9	19.69	30.802	
5,675.0	5,609.7	5,583.4	5,583.4	18.8	7.9	85.87	742.1	-570.2	606.7	587.0	19.75	30.727	
5,700.0	5,634.4	5,600.0	5,600.0	18.9	7.9	86.15	742.4	-569.7	607.0	587.2	19.80	30.663	
5,725.0	5,659.1	5,626.6	5,626.6	19.0	7.9	86.59	742.9	-568.9	607.5	587.6	19.84	30.614	
5,750.0	5,683.9	5,648.1	5,648.1	19.1	7.9	86.95	743.5	-568.0	608.1	588.2	19.89	30.574	
5,775.0	5,708.7	5,669.7	5,669.6	19.2	7.9	87.31	744.1	-567.0	608.9	588.9	19.94	30.542	
5,800.0	5,733.5	5,691.2	5,691.0	19.3	7.9	87.67	744.9	-565.9	609.8	589.8	19.98	30.516	
5,825.0	5,758.3	5,714.2	5,714.0	19.4	8.0	88.05	745.8	-564.5	610.9	590.9	20.03	30.503	
5,850.0	5,783.1	5,738.9	5,738.6	19.5	8.0	88.44	746.7	-563.1	612.0	592.0	20.07	30.490	
5,875.0	5,808.0	5,763.5	5,763.2	19.6	8.0	88.82	747.6	-561.6	613.2	593.1	20.12	30.476	
5,900.0	5,832.9	5,788.2	5,787.9	19.7	8.0	89.18	748.6	-560.1	614.4	594.2	20.17	30.461	
5,925.0	5,857.8	5,812.9	5,812.5	19.8	8.0	89.53	749.5	-558.7	615.6	595.4	20.22	30.452	
5,950.0	5,882.7	5,837.7	5,837.2	19.9	8.1	89.86	750.5	-557.2	616.9	596.6	20.26	30.442	
5,975.0	5,907.6	5,862.5	5,861.9	20.0	8.1	90.17	751.4	-555.8	618.1	597.8	20.31	30.432	
6,000.0	5,932.5	5,887.2	5,886.6	20.1	8.1	90.47	752.4	-554.3	619.4	599.0	20.36	30.421	
6,025.0	5,957.5	5,912.0	5,911.3	20.2	8.1	90.75	753.3	-552.8	620.7	600.3	20.41	30.415	
6,050.0	5,982.4	5,936.9	5,936.1	20.3	8.2	91.02	754.3	-551.4	622.0	601.5	20.45	30.409	
6,075.0	6,007.4	5,961.7	5,960.9	20.4	8.2	91.27	755.2	-549.9	623.3	602.8	20.50	30.402	
6,100.0	6,032.4	5,986.5	5,985.7	20.5	8.2	91.51	756.2	-548.4	624.6	604.1	20.55	30.395	
6,125.0	6,057.4	6,011.4	6,010.5	20.5	8.2	91.73	757.2	-547.0	625.9	605.3	20.59	30.392	
6,150.0	6,082.4	6,036.3	6,035.3	20.6	8.2	91.93	758.1	-545.5	627.2	606.6	20.64	30.389	
6,175.0	6,107.3	6,061.2	6,060.1	20.7	8.3	92.12	759.1	-544.0	628.6	607.9	20.69	30.385	
6,200.0	6,132.3	6,086.1	6,085.0	20.8	8.3	92.29	760.0	-542.6	629.9	609.1	20.73	30.381	
6,225.0	6,157.3	6,111.0	6,109.8	20.8	8.3	92.45	761.0	-541.1	631.2	610.4	20.77	30.392	
6,250.0	6,182.3	6,136.0	6,134.7	20.8	8.3	92.59	761.9	-539.6	632.5	611.7	20.80	30.403	
6,264.7	6,197.0	6,150.6	6,149.3	20.9	8.3	14.85	762.5	-538.8	633.3	612.4	20.82	30.410	
6,275.0	6,207.3	6,160.9	6,159.6	20.9	8.3	14.89	762.9	-538.2	633.8	613.0	20.84	30.419	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,300.0	6,232.3	6,185.8	6,184.5	20.9	8.4	15.00	763.8	-536.7	635.1	614.3	20.86	30.442	
6,325.0	6,257.3	6,210.8	6,209.3	20.9	8.4	15.10	764.8	-535.2	636.4	615.5	20.90	30.446	
6,350.0	6,282.3	6,235.7	6,234.2	20.9	8.4	15.21	765.8	-533.7	637.7	616.8	20.94	30.451	
6,375.0	6,307.3	6,260.6	6,259.1	20.9	8.4	15.31	766.7	-532.3	639.1	618.1	20.98	30.455	
6,400.0	6,332.3	6,285.6	6,284.0	20.9	8.5	15.42	767.7	-530.8	640.4	619.4	21.02	30.459	
6,425.0	6,357.3	6,310.5	6,308.8	20.9	8.5	15.52	768.6	-529.3	641.7	620.6	21.06	30.463	
6,450.0	6,382.3	6,335.5	6,333.7	20.9	8.5	15.62	769.6	-527.9	643.0	621.9	21.11	30.467	
6,475.0	6,407.3	6,360.4	6,358.6	20.9	8.5	15.73	770.5	-526.4	644.3	623.2	21.15	30.470	
6,500.0	6,432.3	6,385.3	6,383.5	20.9	8.5	15.83	771.5	-524.9	645.7	624.5	21.19	30.474	
6,525.0	6,457.3	6,410.3	6,408.3	21.0	8.6	15.93	772.5	-523.4	647.0	625.8	21.23	30.477	
6,550.0	6,482.3	6,435.2	6,433.2	21.0	8.6	16.03	773.4	-522.0	648.3	627.1	21.27	30.481	
6,575.0	6,507.3	6,460.1	6,458.1	21.0	8.6	16.14	774.4	-520.5	649.7	628.3	21.31	30.484	
6,600.0	6,532.3	6,485.1	6,483.0	21.0	8.6	16.24	775.3	-519.0	651.0	629.6	21.35	30.487	
6,625.0	6,557.3	6,510.0	6,507.8	21.0	8.7	16.34	776.3	-517.6	652.3	630.9	21.39	30.490	
6,650.0	6,582.3	6,535.0	6,532.7	21.0	8.7	16.44	777.2	-516.1	653.7	632.2	21.44	30.494	
6,675.0	6,607.3	6,559.9	6,557.6	21.0	8.7	16.54	778.2	-514.6	655.0	633.5	21.48	30.496	
6,700.0	6,632.3	6,584.8	6,582.5	21.0	8.7	16.64	779.2	-513.1	656.3	634.8	21.52	30.499	
6,725.0	6,657.3	6,609.8	6,607.4	21.0	8.7	16.74	780.1	-511.7	657.7	636.1	21.56	30.502	
6,750.0	6,682.3	6,634.7	6,632.2	21.0	8.8	16.84	781.1	-510.2	659.0	637.4	21.60	30.505	
6,775.0	6,707.3	6,659.6	6,657.1	21.1	8.8	16.93	782.0	-508.7	660.4	638.7	21.65	30.507	
6,800.0	6,732.3	6,684.6	6,682.0	21.1	8.8	17.03	783.0	-507.3	661.7	640.0	21.69	30.510	
6,825.0	6,757.3	6,709.5	6,706.9	21.1	8.8	17.13	783.9	-505.8	663.1	641.4	21.73	30.512	
6,850.0	6,782.3	6,734.5	6,731.7	21.1	8.9	17.23	784.9	-504.3	664.4	642.7	21.77	30.515	
6,875.0	6,807.3	6,759.4	6,756.6	21.1	8.9	17.32	785.9	-502.8	665.8	644.0	21.82	30.517	
6,900.0	6,832.3	6,784.3	6,781.5	21.1	8.9	17.42	786.8	-501.4	667.2	645.3	21.86	30.519	
6,925.0	6,857.3	6,809.3	6,806.4	21.1	8.9	17.52	787.8	-499.9	668.5	646.6	21.90	30.521	
6,950.0	6,882.3	6,834.2	6,831.2	21.1	9.0	17.61	788.7	-498.4	669.9	647.9	21.95	30.523	
6,975.0	6,907.3	6,859.2	6,856.1	21.1	9.0	17.71	789.7	-497.0	671.2	649.2	21.99	30.525	
7,000.0	6,932.3	6,884.1	6,881.0	21.1	9.0	17.80	790.6	-495.5	672.6	650.6	22.03	30.527	
7,025.0	6,957.3	6,909.0	6,905.9	21.2	9.0	17.89	791.6	-494.0	674.0	651.9	22.08	30.529	
7,050.0	6,982.3	6,934.0	6,930.7	21.2	9.0	17.99	792.6	-492.5	675.3	653.2	22.12	30.531	
7,075.0	7,007.3	6,958.9	6,955.6	21.2	9.1	18.08	793.5	-491.1	676.7	654.5	22.16	30.533	
7,100.0	7,032.3	6,983.8	6,980.5	21.2	9.1	18.18	794.5	-489.6	678.1	655.9	22.21	30.535	
7,125.0	7,057.3	7,008.8	7,005.4	21.2	9.1	18.27	795.4	-488.1	679.5	657.2	22.25	30.536	
7,150.0	7,082.3	7,033.7	7,030.2	21.2	9.1	18.36	796.4	-486.7	680.8	658.5	22.29	30.538	
7,175.0	7,107.3	7,058.7	7,055.1	21.2	9.2	18.45	797.3	-485.2	682.2	659.9	22.34	30.539	
7,200.0	7,132.3	7,083.6	7,080.0	21.2	9.2	18.54	798.3	-483.7	683.6	661.2	22.38	30.541	
7,225.0	7,157.3	7,108.5	7,104.9	21.2	9.2	18.64	799.3	-482.2	685.0	662.5	22.43	30.542	
7,250.0	7,182.3	7,133.5	7,129.8	21.2	9.2	18.73	800.2	-480.8	686.3	663.9	22.47	30.544	
7,275.0	7,207.3	7,158.4	7,154.6	21.3	9.3	18.82	801.2	-479.3	687.7	665.2	22.52	30.545	
7,300.0	7,232.3	7,183.3	7,179.5	21.3	9.3	18.91	802.1	-477.8	689.1	666.6	22.56	30.546	
7,325.0	7,257.3	7,208.3	7,204.4	21.3	9.3	19.00	803.1	-476.4	690.5	667.9	22.60	30.548	
7,350.0	7,282.3	7,233.2	7,229.3	21.3	9.3	19.09	804.0	-474.9	691.9	669.2	22.65	30.549	
7,375.0	7,307.3	7,258.2	7,254.1	21.3	9.4	19.18	805.0	-473.4	693.3	670.6	22.69	30.550	
7,400.0	7,332.3	7,283.1	7,279.0	21.3	9.4	19.27	806.0	-471.9	694.7	671.9	22.74	30.551	
7,425.0	7,357.3	7,308.0	7,303.9	21.3	9.4	19.35	806.9	-470.5	696.1	673.3	22.78	30.552	
7,450.0	7,382.3	7,333.0	7,328.8	21.3	9.4	19.44	807.9	-469.0	697.5	674.6	22.83	30.553	
7,475.0	7,407.3	7,357.9	7,353.6	21.3	9.5	19.53	808.8	-467.5	698.9	676.0	22.87	30.554	
7,500.0	7,432.3	7,382.8	7,378.5	21.3	9.5	19.62	809.8	-466.1	700.3	677.3	22.92	30.555	
7,525.0	7,457.3	7,407.8	7,403.4	21.4	9.5	19.70	810.7	-464.6	701.7	678.7	22.96	30.556	
7,550.0	7,482.3	7,432.7	7,428.3	21.4	9.5	19.79	811.7	-463.1	703.1	680.1	23.01	30.557	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,575.0	7,507.3	7,457.7	7,453.1	21.4	9.6	19.88	812.7	-461.6	704.5	681.4	23.05	30.558	
7,600.0	7,532.3	7,482.6	7,478.0	21.4	9.6	19.96	813.6	-460.2	705.9	682.8	23.10	30.559	
7,625.0	7,557.3	7,507.5	7,502.9	21.4	9.6	20.05	814.6	-458.7	707.3	684.1	23.14	30.560	
7,650.0	7,582.3	7,532.5	7,527.8	21.4	9.6	20.13	815.5	-457.2	708.7	685.5	23.19	30.561	
7,675.0	7,607.3	7,557.4	7,552.6	21.4	9.7	20.22	816.5	-455.8	710.1	686.9	23.24	30.561	
7,700.0	7,632.3	7,582.4	7,577.5	21.4	9.7	20.30	817.4	-454.3	711.5	688.2	23.28	30.562	
7,725.0	7,657.3	7,607.3	7,602.4	21.4	9.7	20.39	818.4	-452.8	712.9	689.6	23.33	30.563	
7,750.0	7,682.3	7,632.2	7,627.3	21.4	9.7	20.47	819.4	-451.4	714.3	691.0	23.37	30.563	
7,775.0	7,707.3	7,657.2	7,652.2	21.5	9.8	20.56	820.3	-449.9	715.8	692.3	23.42	30.564	
7,800.0	7,732.3	7,682.1	7,677.0	21.5	9.8	20.64	821.3	-448.4	717.2	693.7	23.46	30.565	
7,825.0	7,757.3	7,707.0	7,701.9	21.5	9.8	20.72	822.2	-446.9	718.6	695.1	23.51	30.565	
7,850.0	7,782.3	7,732.0	7,726.8	21.5	9.8	20.81	823.2	-445.5	720.0	696.5	23.56	30.566	
7,875.0	7,807.3	7,756.9	7,751.7	21.5	9.9	20.89	824.1	-444.0	721.4	697.8	23.60	30.567	
7,900.0	7,832.3	7,781.9	7,776.5	21.5	9.9	20.97	825.1	-442.5	722.9	699.2	23.65	30.567	
7,925.0	7,857.3	7,806.8	7,801.4	21.5	9.9	21.05	826.1	-441.1	724.3	700.6	23.69	30.568	
7,950.0	7,882.3	7,831.7	7,826.3	21.5	9.9	21.13	827.0	-439.6	725.7	702.0	23.74	30.568	
7,975.0	7,907.3	7,856.7	7,851.2	21.5	10.0	21.21	828.0	-438.1	727.2	703.4	23.79	30.569	
8,000.0	7,932.3	7,881.6	7,876.0	21.6	10.0	21.29	828.9	-436.6	728.6	704.7	23.83	30.569	
8,025.0	7,957.3	7,906.5	7,900.9	21.6	10.0	21.38	829.9	-435.2	730.0	706.1	23.88	30.570	
8,050.0	7,982.3	7,931.5	7,925.8	21.6	10.0	21.46	830.8	-433.7	731.4	707.5	23.93	30.570	
8,075.0	8,007.3	7,956.4	7,950.7	21.6	10.1	21.54	831.8	-432.2	732.9	708.9	23.97	30.571	
8,100.0	8,032.3	7,981.4	7,975.5	21.6	10.1	21.61	832.8	-430.8	734.3	710.3	24.02	30.571	
8,125.0	8,057.3	8,006.3	8,000.4	21.6	10.1	21.69	833.7	-429.3	735.8	711.7	24.07	30.571	
8,150.0	8,082.3	8,031.2	8,025.3	21.6	10.1	21.77	834.7	-427.8	737.2	713.1	24.11	30.572	
8,175.0	8,107.3	8,056.2	8,050.2	21.6	10.2	21.85	835.6	-426.3	738.6	714.5	24.16	30.572	
8,200.0	8,132.3	8,081.1	8,075.0	21.6	10.2	21.93	836.6	-424.9	740.1	715.9	24.21	30.573	
8,225.0	8,157.3	8,106.1	8,099.9	21.6	10.2	22.01	837.5	-423.4	741.5	717.3	24.25	30.573	
8,250.0	8,182.3	8,131.0	8,124.8	21.7	10.2	22.09	838.5	-421.9	743.0	718.7	24.30	30.573	
8,275.0	8,207.3	8,155.9	8,149.7	21.7	10.3	22.16	839.5	-420.5	744.4	720.1	24.35	30.574	
8,300.0	8,232.3	8,180.9	8,174.6	21.7	10.3	22.24	840.4	-419.0	745.9	721.5	24.39	30.574	
8,325.0	8,257.3	8,205.8	8,199.4	21.7	10.3	22.32	841.4	-417.5	747.3	722.9	24.44	30.575	
8,350.0	8,282.3	8,230.7	8,224.3	21.7	10.4	22.39	842.3	-416.0	748.7	724.3	24.49	30.575	
8,375.0	8,307.3	8,255.7	8,249.2	21.7	10.4	22.47	843.3	-414.6	750.2	725.7	24.54	30.575	
8,400.0	8,332.3	8,280.6	8,274.1	21.7	10.4	22.55	844.2	-413.1	751.7	727.1	24.58	30.576	
8,425.0	8,357.3	8,305.6	8,298.9	21.7	10.4	22.62	845.2	-411.6	753.1	728.5	24.63	30.576	
8,450.0	8,382.3	8,330.5	8,323.8	21.7	10.5	22.70	846.2	-410.2	754.6	729.9	24.68	30.576	
8,475.0	8,407.3	8,355.4	8,348.7	21.8	10.5	22.77	847.1	-408.7	756.0	731.3	24.73	30.576	
8,500.0	8,432.3	8,380.4	8,373.6	21.8	10.5	22.85	848.1	-407.2	757.5	732.7	24.77	30.577	
8,525.0	8,457.3	8,405.3	8,398.4	21.8	10.5	22.92	849.0	-405.7	758.9	734.1	24.82	30.577	
8,550.0	8,482.3	8,430.2	8,423.3	21.8	10.6	22.99	850.0	-404.3	760.4	735.5	24.87	30.577	
8,575.0	8,507.3	8,455.2	8,448.2	21.8	10.6	23.07	850.9	-402.8	761.9	736.9	24.92	30.578	
8,600.0	8,532.3	8,480.1	8,473.1	21.8	10.6	23.14	851.9	-401.3	763.3	738.4	24.96	30.578	
8,625.0	8,557.3	8,505.1	8,497.9	21.8	10.6	23.22	852.8	-399.9	764.8	739.8	25.01	30.578	
8,650.0	8,582.3	8,530.0	8,522.8	21.8	10.7	23.29	853.8	-398.4	766.2	741.2	25.06	30.579	
8,675.0	8,607.3	8,554.9	8,547.7	21.8	10.7	23.36	854.8	-396.9	767.7	742.6	25.11	30.579	
8,700.0	8,632.3	8,579.9	8,572.6	21.9	10.7	23.43	855.7	-395.4	769.2	744.0	25.15	30.579	
8,725.0	8,657.3	8,604.8	8,597.4	21.9	10.8	23.51	856.7	-394.0	770.6	745.4	25.20	30.579	
8,750.0	8,682.3	8,629.7	8,622.3	21.9	10.8	23.58	857.6	-392.5	772.1	746.9	25.25	30.580	
8,775.0	8,707.3	8,654.7	8,647.2	21.9	10.8	23.65	858.6	-391.0	773.6	748.3	25.30	30.580	
8,800.0	8,732.3	8,679.6	8,672.1	21.9	10.8	23.72	859.5	-389.6	775.1	749.7	25.34	30.580	
8,825.0	8,757.3	8,704.6	8,697.0	21.9	10.9	23.79	860.5	-388.1	776.5	751.1	25.39	30.581	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,850.0	8,782.3	8,729.5	8,721.8	21.9	10.9	23.86	861.5	-386.6	778.0	752.6	25.44	30.581	
8,875.0	8,807.3	8,754.4	8,746.7	21.9	10.9	23.93	862.4	-385.1	779.5	754.0	25.49	30.581	
8,900.0	8,832.3	8,779.4	8,771.6	21.9	10.9	24.00	863.4	-383.7	781.0	755.4	25.54	30.582	
8,925.0	8,857.3	8,804.3	8,796.5	21.9	11.0	24.07	864.3	-382.2	782.4	756.9	25.59	30.582	
8,950.0	8,882.3	8,829.3	8,821.3	22.0	11.0	24.14	865.3	-380.7	783.9	758.3	25.63	30.582	
8,975.0	8,907.3	8,854.2	8,846.2	22.0	11.0	24.21	866.2	-379.3	785.4	759.7	25.68	30.582	
9,000.0	8,932.3	8,879.1	8,871.1	22.0	11.0	24.28	867.2	-377.8	786.9	761.1	25.73	30.583	
9,025.0	8,957.3	8,904.1	8,896.0	22.0	11.1	24.35	868.2	-376.3	788.4	762.6	25.78	30.583	
9,050.0	8,982.3	8,929.0	8,920.8	22.0	11.1	24.42	869.1	-374.8	789.8	764.0	25.83	30.583	
9,075.0	9,007.3	8,953.9	8,945.7	22.0	11.1	24.49	870.1	-373.4	791.3	765.5	25.87	30.584	
9,100.0	9,032.3	8,978.9	8,970.6	22.0	11.2	24.56	871.0	-371.9	792.8	766.9	25.92	30.584	
9,125.0	9,057.3	9,003.8	8,995.5	22.0	11.2	24.62	872.0	-370.4	794.3	768.3	25.96	30.600	
9,150.0	9,082.3	9,028.8	9,020.3	22.0	11.2	24.69	872.9	-369.0	795.8	769.8	25.99	30.615	
9,161.2	9,093.6	9,039.9	9,031.5	22.0	11.2	24.72	873.4	-368.3	796.5	770.5	26.01	30.622	
9,175.0	9,107.3	9,053.7	9,045.2	22.0	11.2	24.80	873.9	-367.5	797.1	771.1	26.03	30.626	
9,200.0	9,132.3	9,078.7	9,070.1	22.0	11.3	24.90	874.9	-366.0	797.3	771.3	26.07	30.586	
9,225.0	9,157.1	9,103.5	9,094.9	22.0	11.3	25.09	875.8	-364.5	796.4	770.3	26.11	30.498	
9,250.0	9,181.8	9,128.3	9,119.7	22.0	11.3	25.39	876.8	-363.1	794.3	768.1	26.16	30.360	
9,275.0	9,206.3	9,152.9	9,144.2	22.1	11.3	25.79	877.7	-361.6	791.0	764.8	26.22	30.173	
9,300.0	9,230.4	9,177.2	9,168.4	22.1	11.4	26.30	878.6	-360.2	786.6	760.3	26.27	29.938	
9,325.0	9,254.1	9,201.2	9,192.4	22.1	11.4	26.92	879.6	-358.8	781.0	754.7	26.33	29.657	
9,350.0	9,277.5	9,224.8	9,215.9	22.1	11.4	27.66	880.5	-357.4	774.4	748.0	26.40	29.331	
9,375.0	9,300.3	9,247.9	9,239.0	22.1	11.5	28.54	881.4	-356.0	766.6	740.1	26.47	28.960	
9,400.0	9,322.5	9,270.6	9,261.6	22.1	11.5	29.55	882.2	-354.7	757.8	731.3	26.55	28.547	
9,425.0	9,344.1	9,292.6	9,283.5	22.1	11.5	30.71	883.1	-353.4	748.0	721.4	26.63	28.093	
9,450.0	9,365.0	9,314.0	9,304.9	22.1	11.5	32.03	883.9	-352.1	737.3	710.6	26.71	27.600	
9,475.0	9,385.2	9,334.7	9,325.5	22.1	11.5	33.54	884.7	-350.9	725.6	698.8	26.81	27.070	
9,500.0	9,404.6	9,354.7	9,345.4	22.1	11.6	35.23	885.5	-349.7	713.1	686.2	26.90	26.505	
9,525.0	9,423.1	9,373.8	9,364.5	22.1	11.6	37.13	886.2	-348.6	699.8	672.8	27.01	25.908	
9,550.0	9,440.8	9,392.0	9,382.7	22.1	11.6	39.24	886.9	-347.5	685.7	658.6	27.12	25.281	
9,575.0	9,457.4	9,409.4	9,400.0	22.1	11.6	41.59	887.6	-346.5	670.9	643.7	27.24	24.626	
9,600.0	9,473.1	9,425.8	9,416.4	22.1	11.7	44.19	888.2	-345.5	655.5	628.2	27.37	23.947	
9,625.0	9,487.8	9,441.2	9,431.7	22.1	11.7	47.02	888.8	-344.6	639.6	612.1	27.52	23.245	
9,650.0	9,501.3	9,455.5	9,446.0	22.1	11.7	50.09	889.3	-343.8	623.2	595.6	27.67	22.525	
9,675.0	9,513.8	9,468.7	9,459.2	22.2	11.7	53.38	889.8	-343.0	606.5	578.7	27.83	21.790	
9,700.0	9,525.1	9,480.8	9,471.3	22.2	11.7	56.85	890.3	-342.3	589.5	561.5	28.01	21.043	
9,725.0	9,535.2	9,491.8	9,482.2	22.2	11.7	60.47	890.7	-341.6	572.3	544.1	28.21	20.287	
9,750.0	9,544.1	9,501.6	9,492.0	22.2	11.7	64.17	891.1	-341.1	555.0	526.5	28.42	19.528	
9,775.0	9,551.7	9,510.1	9,500.5	22.2	11.7	67.88	891.4	-340.6	537.7	509.0	28.65	18.768	
9,800.0	9,558.1	9,517.4	9,507.8	22.3	11.8	71.52	891.7	-340.1	520.6	491.7	28.90	18.013	
9,825.0	9,563.3	9,523.5	9,513.8	22.3	11.8	75.02	891.9	-339.8	503.7	474.5	29.17	17.267	
9,850.0	9,567.1	9,528.3	9,518.6	22.3	11.8	78.29	892.1	-339.5	487.2	457.7	29.46	16.536	
9,875.0	9,569.6	9,531.8	9,522.1	22.3	11.8	81.29	892.2	-339.3	471.2	441.4	29.78	15.824	
9,900.0	9,570.9	9,534.0	9,524.3	22.4	11.8	83.95	892.3	-339.1	455.8	425.7	30.11	15.138	
9,907.4	9,571.0	9,534.4	9,524.7	22.4	11.8	84.66	892.3	-339.1	451.4	421.2	30.21	14.941	
9,925.0	9,571.1	9,535.2	9,525.5	22.4	11.8	84.79	892.4	-339.1	441.2	410.8	30.47	14.481	
9,950.0	9,571.3	9,536.3	9,526.7	22.4	11.8	84.97	892.4	-339.0	427.6	396.8	30.85	13.862	
9,975.0	9,571.5	9,537.5	9,527.8	22.5	11.8	85.16	892.5	-338.9	415.0	383.8	31.24	13.287	
10,000.0	9,571.7	9,538.6	9,529.0	22.5	11.8	85.34	892.5	-338.9	403.6	372.0	31.63	12.760	
10,025.0	9,571.9	9,539.8	9,530.1	22.6	11.8	85.52	892.6	-338.8	393.5	361.4	32.04	12.282	
10,050.0	9,572.1	9,541.0	9,531.3	22.6	11.8	85.70	892.6	-338.7	384.7	352.2	32.43	11.861	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,075.0	9,572.3	9,542.1	9,532.4	22.7	11.8	85.88	892.6	-338.7	377.3	344.5	32.81	11.501	
10,100.0	9,572.5	9,543.3	9,533.6	22.7	11.8	86.07	892.7	-338.6	371.5	338.3	33.15	11.206	
10,125.0	9,572.7	9,544.4	9,534.7	22.8	11.8	86.25	892.7	-338.5	367.3	333.8	33.46	10.976	
10,150.0	9,572.9	9,545.6	9,535.9	22.8	11.8	86.43	892.8	-338.5	364.7	331.0	33.73	10.815	
10,174.8	9,573.1	9,546.7	9,537.0	22.9	11.8	86.61	892.8	-338.4	363.9	330.0	33.93	10.726 CC	
10,175.0	9,573.2	9,546.8	9,537.0	22.9	11.8	86.61	892.8	-338.4	363.9	330.0	33.93	10.726 ES	
10,200.0	9,573.4	9,547.9	9,538.2	22.9	11.8	86.80	892.9	-338.3	364.8	330.7	34.07	10.708 SF	
10,225.0	9,573.6	9,549.1	9,539.4	23.0	11.8	86.98	892.9	-338.3	367.3	333.2	34.15	10.757	
10,250.0	9,573.8	9,550.2	9,540.5	23.1	11.8	87.16	893.0	-338.2	371.6	337.4	34.16	10.876	
10,275.0	9,574.0	9,551.4	9,541.7	23.1	11.8	87.34	893.0	-338.1	377.4	343.3	34.12	11.062	
10,300.0	9,574.2	9,552.5	9,542.8	23.2	11.8	87.52	893.0	-338.1	384.8	350.8	34.02	11.312	
10,325.0	9,574.4	9,553.7	9,544.0	23.3	11.8	87.71	893.1	-338.0	393.6	359.7	33.88	11.619	
10,350.0	9,574.6	9,554.9	9,545.1	23.3	11.8	87.89	893.1	-337.9	403.8	370.1	33.70	11.983	
10,375.0	9,574.8	9,556.0	9,546.3	23.4	11.8	88.07	893.2	-337.8	415.2	381.7	33.49	12.399	
10,400.0	9,575.0	9,557.2	9,547.4	23.5	11.8	88.25	893.2	-337.8	427.8	394.6	33.26	12.863	
10,425.0	9,575.2	9,558.3	9,548.6	23.6	11.8	88.43	893.3	-337.7	441.5	408.4	33.02	13.368	
10,450.0	9,575.4	9,559.5	9,549.8	23.6	11.8	88.62	893.3	-337.6	456.1	423.3	32.78	13.914	
10,475.0	9,575.6	9,560.6	9,550.9	23.7	11.8	88.80	893.4	-337.6	471.5	439.0	32.53	14.496	
10,500.0	9,575.8	9,561.8	9,552.1	23.8	11.8	88.98	893.4	-337.5	487.8	455.5	32.28	15.111	
10,525.0	9,576.0	9,563.0	9,553.2	23.9	11.8	89.16	893.4	-337.4	504.8	472.7	32.04	15.753	
10,550.0	9,576.2	9,564.1	9,554.4	24.0	11.8	89.34	893.5	-337.4	522.4	490.6	31.81	16.422	
10,575.0	9,576.4	9,565.3	9,555.5	24.0	11.8	89.52	893.5	-337.3	540.6	509.0	31.59	17.115	
10,600.0	9,576.6	9,566.4	9,556.7	24.1	11.8	89.71	893.6	-337.2	559.3	527.9	31.37	17.829	
10,625.0	9,576.8	9,567.6	9,557.8	24.2	11.8	89.89	893.6	-337.2	578.5	547.3	31.17	18.560	
10,650.0	9,577.0	9,568.8	9,559.0	24.3	11.8	90.07	893.7	-337.1	598.1	567.2	30.98	19.308	
10,675.0	9,577.2	9,569.9	9,560.2	24.4	11.8	90.25	893.7	-337.0	618.1	587.3	30.80	20.071	
10,700.0	9,577.4	9,571.1	9,561.3	24.5	11.8	90.43	893.8	-337.0	638.5	607.9	30.63	20.848	
10,725.0	9,577.6	9,572.2	9,562.5	24.6	11.8	90.61	893.8	-336.9	659.2	628.7	30.47	21.636	
10,750.0	9,577.8	9,573.4	9,563.6	24.7	11.8	90.79	893.8	-336.8	680.1	649.8	30.32	22.434	
10,775.0	9,578.0	9,574.5	9,564.8	24.8	11.8	90.98	893.9	-336.8	701.4	671.2	30.18	23.242	
10,800.0	9,578.2	9,575.7	9,565.9	24.9	11.8	91.16	893.9	-336.7	722.8	692.8	30.04	24.060	
10,825.0	9,578.4	9,576.9	9,567.1	25.0	11.8	91.34	894.0	-336.6	744.5	714.6	29.92	24.883	
10,850.0	9,578.6	9,578.0	9,568.2	25.1	11.8	91.52	894.0	-336.5	766.4	736.6	29.80	25.713	
10,875.0	9,578.8	9,579.2	9,569.4	25.2	11.8	91.70	894.1	-336.5	788.5	758.8	29.70	26.550	
10,900.0	9,579.0	9,580.3	9,570.5	25.3	11.8	91.88	894.1	-336.4	810.7	781.1	29.59	27.393	
10,925.0	9,579.2	9,581.5	9,571.7	25.4	11.8	92.06	894.2	-336.3	833.1	803.6	29.50	28.239	
10,950.0	9,579.4	9,582.6	9,572.9	25.5	11.8	92.24	894.2	-336.3	855.6	826.2	29.41	29.090	
10,975.0	9,579.6	9,583.8	9,574.0	25.6	11.8	92.42	894.2	-336.2	878.3	849.0	29.33	29.945	
11,000.0	9,579.8	9,585.0	9,575.2	25.8	11.8	92.60	894.3	-336.1	901.1	871.8	29.25	30.804	
11,025.0	9,580.0	9,586.1	9,576.3	25.9	11.8	92.78	894.3	-336.1	924.0	894.8	29.18	31.665	
11,050.0	9,580.2	9,587.3	9,577.5	26.0	11.8	92.96	894.4	-336.0	947.0	917.9	29.11	32.529	
11,075.0	9,580.4	9,588.4	9,578.6	26.1	11.8	93.14	894.4	-335.9	970.1	941.0	29.05	33.395	
11,100.0	9,580.6	9,589.6	9,579.8	26.2	11.8	93.32	894.5	-335.9	993.3	964.3	28.99	34.264	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-39.05	741.2	-601.2	954.5				
25.0	25.0	10.0	10.0	0.5	3.0	-39.05	741.2	-601.2	954.4				
50.0	50.0	35.0	35.0	0.5	3.0	-39.05	741.2	-601.2	954.4	949.6	4.72	201.983	
75.0	75.0	60.0	60.0	0.5	3.0	-39.05	741.2	-601.2	954.4	949.6	4.73	201.979	
100.0	100.0	85.0	85.0	0.5	3.0	-39.05	741.2	-601.2	954.4	949.6	4.73	201.973	
125.0	125.0	110.0	110.0	0.6	3.0	-39.05	741.2	-601.2	954.4	949.6	4.76	200.547	
150.0	150.0	135.0	135.0	0.8	3.0	-39.05	741.2	-601.2	954.4	949.6	4.80	198.834	
175.0	175.0	160.0	160.0	0.9	3.0	-39.05	741.2	-601.2	954.4	949.5	4.85	196.861	
200.0	200.0	185.0	185.0	1.0	3.0	-39.05	741.2	-601.2	954.4	949.5	4.90	194.656	
225.0	225.0	210.0	210.0	1.1	3.0	-39.05	741.2	-601.2	954.4	949.4	4.94	193.062	
250.0	250.0	235.0	235.0	1.2	3.0	-39.05	741.2	-601.2	954.4	949.4	4.99	191.380	
275.0	275.0	260.0	260.0	1.3	3.0	-39.05	741.2	-601.2	954.4	949.3	5.03	189.619	
300.0	300.0	285.0	285.0	1.4	3.0	-39.05	741.2	-601.2	954.4	949.3	5.08	187.787	
325.0	325.0	310.0	310.0	1.4	3.0	-39.05	741.2	-601.2	954.4	949.2	5.12	186.230	
350.0	350.0	335.0	335.0	1.5	3.0	-39.05	741.2	-601.2	954.4	949.2	5.17	184.633	
375.0	375.0	360.0	360.0	1.6	3.0	-39.05	741.2	-601.2	954.4	949.2	5.22	183.001	
400.0	400.0	385.0	385.0	1.6	3.0	-39.05	741.2	-601.2	954.4	949.1	5.26	181.338	
425.0	425.0	410.0	410.0	1.7	3.0	-39.05	741.2	-601.2	954.4	949.1	5.31	179.849	
450.0	450.0	435.0	435.0	1.8	3.0	-39.05	741.2	-601.2	954.4	949.0	5.35	178.340	
475.0	475.0	460.0	460.0	1.8	3.0	-39.05	741.2	-601.2	954.4	949.0	5.40	176.815	
500.0	500.0	485.0	485.0	1.9	3.1	-39.05	741.2	-601.2	954.4	948.9	5.44	175.277	
525.0	525.0	510.0	510.0	1.9	3.1	-39.05	741.2	-601.2	954.4	948.9	5.49	173.862	
550.0	550.0	535.0	535.0	2.0	3.1	-39.05	741.2	-601.2	954.4	948.8	5.53	172.439	
575.0	575.0	560.0	560.0	2.1	3.1	-39.05	741.2	-601.2	954.4	948.8	5.58	171.009	
600.0	600.0	585.0	585.0	2.1	3.1	-39.05	741.2	-601.2	954.4	948.7	5.63	169.574	
625.0	625.0	610.0	610.0	2.2	3.1	-39.05	741.2	-601.2	954.4	948.7	5.67	168.234	
650.0	650.0	635.0	635.0	2.2	3.1	-39.05	741.2	-601.2	954.4	948.6	5.72	166.891	
675.0	675.0	660.0	660.0	2.3	3.1	-39.05	741.2	-601.2	954.4	948.6	5.76	165.547	
700.0	700.0	685.0	685.0	2.3	3.1	-39.05	741.2	-601.2	954.4	948.6	5.81	164.203	
725.0	725.0	710.0	710.0	2.4	3.1	-39.05	741.2	-601.2	954.4	948.5	5.86	162.934	
750.0	750.0	735.0	735.0	2.4	3.1	-39.05	741.2	-601.2	954.4	948.5	5.90	161.666	
775.0	775.0	760.0	760.0	2.5	3.1	-39.05	741.2	-601.2	954.4	948.4	5.95	160.400	
800.0	800.0	785.0	785.0	2.5	3.1	-39.05	741.2	-601.2	954.4	948.4	6.00	159.138	
825.0	825.0	810.0	810.0	2.6	3.2	-39.05	741.2	-601.2	954.4	948.3	6.04	157.936	
850.0	850.0	835.0	835.0	2.6	3.2	-39.05	741.2	-601.2	954.4	948.3	6.09	156.738	
875.0	875.0	860.0	860.0	2.6	3.2	-39.05	741.2	-601.2	954.4	948.2	6.14	155.544	
900.0	900.0	885.0	885.0	2.7	3.2	-39.05	741.2	-601.2	954.4	948.2	6.18	154.356	
925.0	925.0	910.0	910.0	2.7	3.2	-39.05	741.2	-601.2	954.4	948.1	6.23	153.217	
950.0	950.0	935.0	935.0	2.8	3.2	-39.05	741.2	-601.2	954.4	948.1	6.28	152.084	
975.0	975.0	960.0	960.0	2.8	3.2	-39.05	741.2	-601.2	954.4	948.0	6.32	150.957	
1,000.0	1,000.0	985.0	985.0	2.9	3.2	-39.05	741.2	-601.2	954.4	948.0	6.37	149.835	
1,025.0	1,025.0	1,010.0	1,010.0	2.9	3.2	-39.05	741.2	-601.2	954.4	948.0	6.42	148.756	
1,050.0	1,050.0	1,035.0	1,035.0	3.0	3.3	-39.05	741.2	-601.2	954.4	947.9	6.46	147.683	
1,075.0	1,075.0	1,060.0	1,060.0	3.0	3.3	-39.05	741.2	-601.2	954.4	947.9	6.51	146.617	
1,100.0	1,100.0	1,085.0	1,085.0	3.0	3.3	-39.05	741.2	-601.2	954.4	947.8	6.56	145.557	
1,125.0	1,125.0	1,110.0	1,110.0	3.1	3.3	-39.05	741.2	-601.2	954.4	947.8	6.60	144.534	
1,150.0	1,150.0	1,135.0	1,135.0	3.1	3.3	-39.05	741.2	-601.2	954.4	947.7	6.65	143.517	
1,175.0	1,175.0	1,160.0	1,160.0	3.2	3.3	-39.05	741.2	-601.2	954.4	947.7	6.70	142.507	
1,200.0	1,200.0	1,185.0	1,185.0	3.2	3.3	-39.05	741.2	-601.2	954.4	947.6	6.74	141.504	
1,225.0	1,225.0	1,210.0	1,210.0	3.2	3.4	-39.05	741.2	-601.2	954.4	947.6	6.79	140.532	
1,250.0	1,250.0	1,235.0	1,235.0	3.3	3.4	-39.05	741.2	-601.2	954.4	947.5	6.84	139.567	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,260.0	1,260.0	3.3	3.4	-39.05	741.2	-601.2	954.4	947.5	6.89	138.610	
1,300.0	1,300.0	1,285.0	1,285.0	3.4	3.4	-39.05	741.2	-601.2	954.4	947.4	6.93	137.659	
1,325.0	1,325.0	1,310.0	1,310.0	3.4	3.4	-39.05	741.2	-601.2	954.4	947.4	6.98	136.736	
1,350.0	1,350.0	1,335.0	1,335.0	3.4	3.4	-39.05	741.2	-601.2	954.4	947.3	7.03	135.820	
1,375.0	1,375.0	1,360.0	1,360.0	3.5	3.5	-39.05	741.2	-601.2	954.4	947.3	7.07	134.910	
1,400.0	1,400.0	1,385.0	1,385.0	3.5	3.5	-39.05	741.2	-601.2	954.4	947.2	7.12	134.008	
1,425.0	1,425.0	1,410.0	1,410.0	3.6	3.5	-39.05	741.2	-601.2	954.4	947.2	7.17	133.130	
1,450.0	1,450.0	1,435.0	1,435.0	3.6	3.5	-39.05	741.2	-601.2	954.4	947.2	7.22	132.259	
1,475.0	1,475.0	1,460.0	1,460.0	3.6	3.5	-39.05	741.2	-601.2	954.4	947.1	7.26	131.395	
1,500.0	1,500.0	1,485.0	1,485.0	3.7	3.5	-39.05	741.2	-601.2	954.4	947.1	7.31	130.538	
1,525.0	1,525.0	1,510.0	1,510.0	3.7	3.6	-39.05	741.2	-601.2	954.4	947.0	7.36	129.702	
1,550.0	1,550.0	1,535.0	1,535.0	3.8	3.6	-39.05	741.2	-601.2	954.4	947.0	7.41	128.873	
1,575.0	1,575.0	1,560.0	1,560.0	3.8	3.6	-39.05	741.2	-601.2	954.4	946.9	7.45	128.051	
1,600.0	1,600.0	1,585.0	1,585.0	3.8	3.6	-39.05	741.2	-601.2	954.4	946.9	7.50	127.235	
1,625.0	1,625.0	1,610.0	1,610.0	3.9	3.6	-39.05	741.2	-601.2	954.4	946.8	7.55	126.439	
1,650.0	1,650.0	1,635.0	1,635.0	3.9	3.6	-39.05	741.2	-601.2	954.4	946.8	7.60	125.649	
1,675.0	1,675.0	1,660.0	1,660.0	3.9	3.7	-39.05	741.2	-601.2	954.4	946.7	7.64	124.866	
1,700.0	1,700.0	1,685.0	1,685.0	4.0	3.7	-39.05	741.2	-601.2	954.4	946.7	7.69	124.089	
1,725.0	1,725.0	1,710.0	1,710.0	4.0	3.7	-39.05	741.2	-601.2	954.4	946.6	7.74	123.330	
1,750.0	1,750.0	1,735.0	1,735.0	4.1	3.7	-39.05	741.2	-601.2	954.4	946.6	7.79	122.577	
1,775.0	1,775.0	1,760.0	1,760.0	4.1	3.7	-39.05	741.2	-601.2	954.4	946.5	7.83	121.830	
1,800.0	1,800.0	1,785.0	1,785.0	4.1	3.8	-39.05	741.2	-601.2	954.4	946.5	7.88	121.090	
1,825.0	1,825.0	1,810.0	1,810.0	4.2	3.8	-39.05	741.2	-601.2	954.4	946.4	7.93	120.365	
1,850.0	1,850.0	1,835.0	1,835.0	4.2	3.8	-39.05	741.2	-601.2	954.4	946.4	7.98	119.646	
1,875.0	1,875.0	1,860.0	1,860.0	4.2	3.8	-39.05	741.2	-601.2	954.4	946.3	8.02	118.933	
1,900.0	1,900.0	1,885.0	1,885.0	4.3	3.8	-39.05	741.2	-601.2	954.4	946.3	8.07	118.227	
1,925.0	1,925.0	1,910.0	1,910.0	4.3	3.9	-39.05	741.2	-601.2	954.4	946.2	8.12	117.534	
1,950.0	1,950.0	1,935.0	1,935.0	4.3	3.9	-39.05	741.2	-601.2	954.4	946.2	8.17	116.848	
1,975.0	1,975.0	1,960.0	1,960.0	4.4	3.9	-39.05	741.2	-601.2	954.4	946.2	8.22	116.167	
2,000.0	2,000.0	1,985.0	1,985.0	4.4	3.9	-39.05	741.2	-601.2	954.4	946.1	8.26	115.492	
2,025.0	2,025.0	2,010.0	2,010.0	4.4	3.9	38.78	741.2	-601.2	954.3	946.0	8.32	114.696	
2,050.0	2,050.0	2,035.0	2,035.0	4.5	4.0	38.80	741.2	-601.2	954.0	945.6	8.38	113.843	
2,075.0	2,075.0	2,060.0	2,060.0	4.5	4.0	38.83	741.2	-601.2	953.6	945.2	8.44	112.935	
2,100.0	2,100.0	2,085.0	2,085.0	4.5	4.0	38.86	741.2	-601.2	953.0	944.5	8.51	111.977	
2,125.0	2,125.0	2,110.0	2,110.0	4.6	4.0	38.91	741.2	-601.2	952.2	943.7	8.59	110.843	
2,150.0	2,149.9	2,134.9	2,134.9	4.6	4.1	38.97	741.2	-601.2	951.3	942.6	8.67	109.698	
2,175.0	2,174.9	2,159.9	2,159.9	4.7	4.1	39.03	741.2	-601.2	950.2	941.5	8.75	108.542	
2,200.0	2,199.8	2,184.8	2,184.8	4.7	4.1	39.11	741.2	-601.2	948.9	940.1	8.84	107.376	
2,225.0	2,224.8	2,209.8	2,209.8	4.7	4.1	39.20	741.2	-601.2	947.5	938.6	8.92	106.205	
2,250.0	2,249.7	2,234.7	2,234.7	4.8	4.1	39.30	741.2	-601.2	945.9	936.9	9.01	105.028	
2,275.0	2,274.6	2,259.6	2,259.6	4.8	4.2	39.41	741.2	-601.2	944.1	935.0	9.09	103.846	
2,300.0	2,299.5	2,284.5	2,284.5	4.9	4.2	39.53	741.2	-601.2	942.2	933.0	9.18	102.660	
2,325.0	2,324.3	2,309.3	2,309.3	4.9	4.2	39.66	741.2	-601.2	940.1	930.8	9.27	101.458	
2,350.0	2,349.1	2,334.1	2,334.1	5.0	4.2	39.81	741.2	-601.2	937.8	928.5	9.35	100.254	
2,375.0	2,373.9	2,358.9	2,358.9	5.1	4.3	39.96	741.2	-601.2	935.4	925.9	9.44	99.050	
2,400.0	2,398.7	2,383.7	2,383.7	5.1	4.3	40.13	741.2	-601.2	932.8	923.3	9.53	97.846	
2,425.0	2,423.4	2,408.4	2,408.4	5.2	4.3	40.30	741.2	-601.2	930.0	920.4	9.63	96.622	
2,450.0	2,448.2	2,433.2	2,433.2	5.3	4.3	40.49	741.2	-601.2	927.1	917.4	9.72	95.402	
2,475.0	2,472.8	2,457.8	2,457.8	5.4	4.4	40.70	741.2	-601.2	924.1	914.3	9.81	94.184	
2,500.0	2,497.5	2,482.5	2,482.5	5.5	4.4	40.91	741.2	-601.2	920.8	910.9	9.90	92.970	
2,525.0	2,522.1	2,507.1	2,507.1	5.5	4.4	41.13	741.2	-601.2	917.5	907.5	9.98	91.917	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,531.6	2,531.6	5.6	4.4	41.37	741.2	-601.2	913.9	903.9	10.06	90.864	
2,575.0	2,571.1	2,556.1	2,556.1	5.7	4.5	41.62	741.2	-601.2	910.3	900.1	10.14	89.812	
2,600.0	2,595.6	2,580.6	2,580.6	5.7	4.5	41.83	741.2	-601.2	906.5	896.3	10.19	88.930	
2,625.0	2,620.1	2,605.1	2,605.1	5.8	4.5	42.04	741.2	-601.2	902.8	892.5	10.28	87.793	
2,650.0	2,644.6	2,629.6	2,629.6	5.9	4.5	42.25	741.2	-601.2	899.0	888.7	10.37	86.677	
2,675.0	2,669.1	2,654.1	2,654.1	5.9	4.5	42.46	741.2	-601.2	895.3	884.8	10.46	85.582	
2,700.0	2,693.6	2,678.6	2,678.6	6.0	4.6	42.68	741.2	-601.2	891.6	881.1	10.55	84.505	
2,725.0	2,718.1	2,703.1	2,703.1	6.1	4.6	42.89	741.2	-601.2	887.9	877.3	10.64	83.441	
2,750.0	2,742.6	2,727.6	2,727.6	6.2	4.6	43.11	741.2	-601.2	884.2	873.5	10.73	82.397	
2,775.0	2,767.1	2,752.1	2,752.1	6.3	4.6	43.33	741.2	-601.2	880.6	869.7	10.82	81.371	
2,800.0	2,791.6	2,776.6	2,776.6	6.4	4.7	43.55	741.2	-601.2	876.9	866.0	10.91	80.364	
2,825.0	2,816.1	2,801.1	2,801.1	6.4	4.7	43.77	741.2	-601.2	873.3	862.3	11.00	79.353	
2,850.0	2,840.6	2,825.6	2,825.6	6.5	4.7	44.00	741.2	-601.2	869.6	858.5	11.10	78.362	
2,875.0	2,865.1	2,850.1	2,850.1	6.6	4.7	44.23	741.2	-601.2	866.0	854.8	11.19	77.389	
2,900.0	2,889.6	2,874.6	2,874.6	6.7	4.8	44.46	741.2	-601.2	862.4	851.1	11.28	76.434	
2,925.0	2,914.1	2,899.1	2,899.1	6.8	4.8	44.69	741.2	-601.2	858.8	847.5	11.38	75.480	
2,950.0	2,938.6	2,923.6	2,923.6	6.9	4.8	44.92	741.2	-601.2	855.3	843.8	11.47	74.544	
2,975.0	2,963.1	2,948.1	2,948.1	7.0	4.8	45.15	741.2	-601.2	851.7	840.1	11.57	73.626	
3,000.0	2,987.6	2,972.6	2,972.6	7.1	4.9	45.39	741.2	-601.2	848.2	836.5	11.66	72.725	
3,025.0	3,012.1	2,997.1	2,997.1	7.2	4.9	45.63	741.2	-601.2	844.6	832.9	11.76	71.828	
3,050.0	3,036.6	3,021.6	3,021.6	7.2	4.9	45.87	741.2	-601.2	841.1	829.3	11.86	70.948	
3,075.0	3,061.1	3,046.1	3,046.1	7.3	4.9	46.11	741.2	-601.2	837.6	825.7	11.95	70.085	
3,100.0	3,085.6	3,070.6	3,070.6	7.4	5.0	46.35	741.2	-601.2	834.1	822.1	12.05	69.239	
3,125.0	3,110.1	3,095.1	3,095.1	7.5	5.0	46.60	741.2	-601.2	830.7	818.5	12.14	68.398	
3,150.0	3,134.6	3,119.6	3,119.6	7.6	5.0	46.85	741.2	-601.2	827.2	815.0	12.24	67.574	
3,175.0	3,159.1	3,144.1	3,144.1	7.7	5.1	47.10	741.2	-601.2	823.8	811.5	12.34	66.765	
3,200.0	3,183.6	3,168.6	3,168.6	7.8	5.1	47.35	741.2	-601.2	820.4	807.9	12.44	65.972	
3,225.0	3,208.1	3,193.1	3,193.1	7.9	5.1	47.60	741.2	-601.2	817.0	804.4	12.53	65.186	
3,250.0	3,232.6	3,217.6	3,217.6	8.0	5.1	47.86	741.2	-601.2	813.6	800.9	12.63	64.416	
3,275.0	3,257.1	3,242.1	3,242.1	8.1	5.2	48.12	741.2	-601.2	810.2	797.5	12.73	63.660	
3,300.0	3,281.6	3,266.6	3,266.6	8.2	5.2	48.38	741.2	-601.2	806.8	794.0	12.82	62.919	
3,325.0	3,306.1	3,291.1	3,291.1	8.3	5.2	48.64	741.2	-601.2	803.5	790.6	12.92	62.186	
3,350.0	3,330.6	3,315.6	3,315.6	8.4	5.2	48.91	741.2	-601.2	800.2	787.2	13.02	61.467	
3,375.0	3,355.1	3,340.1	3,340.1	8.5	5.3	49.17	741.2	-601.2	796.9	783.8	13.11	60.762	
3,400.0	3,379.6	3,364.6	3,364.6	8.6	5.3	49.44	741.2	-601.2	793.6	780.4	13.21	60.071	
3,425.0	3,404.1	3,389.1	3,389.1	8.7	5.3	49.71	741.2	-601.2	790.3	777.0	13.31	59.388	
3,450.0	3,428.6	3,413.6	3,413.6	8.8	5.3	49.99	741.2	-601.2	787.1	773.7	13.40	58.718	
3,475.0	3,453.1	3,438.1	3,438.1	8.9	5.4	50.26	741.2	-601.2	783.8	770.3	13.50	58.062	
3,500.0	3,477.6	3,462.6	3,462.6	9.0	5.4	50.54	741.2	-601.2	780.6	767.0	13.60	57.418	
3,525.0	3,502.1	3,487.1	3,487.1	9.1	5.4	50.82	741.2	-601.2	777.4	763.7	13.69	56.783	
3,550.0	3,526.6	3,511.6	3,511.6	9.2	5.4	51.10	741.2	-601.2	774.2	760.5	13.79	56.160	
3,575.0	3,551.1	3,536.1	3,536.1	9.3	5.5	51.39	741.2	-601.2	771.1	757.2	13.88	55.549	
3,600.0	3,575.6	3,560.6	3,560.6	9.4	5.5	51.68	741.2	-601.2	767.9	754.0	13.98	54.950	
3,625.0	3,600.1	3,585.1	3,585.1	9.5	5.5	51.97	741.2	-601.2	764.8	750.8	14.07	54.360	
3,650.0	3,624.6	3,609.6	3,609.6	9.6	5.6	52.26	741.2	-601.2	761.7	747.6	14.16	53.781	
3,675.0	3,649.1	3,634.1	3,634.1	9.8	5.6	52.55	741.2	-601.2	758.7	744.4	14.26	53.214	
3,700.0	3,673.6	3,658.6	3,658.6	9.9	5.6	52.85	741.2	-601.2	755.6	741.2	14.35	52.657	
3,725.0	3,698.1	3,683.1	3,683.1	10.0	5.6	53.15	741.2	-601.2	752.6	738.1	14.44	52.109	
3,750.0	3,722.6	3,707.6	3,707.6	10.1	5.7	53.45	741.2	-601.2	749.5	735.0	14.53	51.572	
3,775.0	3,747.1	3,732.1	3,732.1	10.2	5.7	53.75	741.2	-601.2	746.5	731.9	14.63	51.045	
3,800.0	3,771.6	3,756.6	3,756.6	10.3	5.7	54.06	741.2	-601.2	743.6	728.8	14.72	50.529	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,825.0	3,796.1	3,781.1	3,781.1	10.4	5.7	54.36	741.2	-601.2	740.6	725.8	14.81	50.020	
3,850.0	3,820.6	3,805.6	3,805.6	10.5	5.8	54.67	741.2	-601.2	737.7	722.8	14.90	49.522	
3,875.0	3,845.1	3,830.1	3,830.1	10.6	5.8	54.99	741.2	-601.2	734.8	719.8	14.99	49.034	
3,900.0	3,869.5	3,854.5	3,854.5	10.7	5.8	55.30	741.2	-601.2	731.9	716.8	15.07	48.555	
3,925.0	3,894.0	3,879.0	3,879.0	10.8	5.9	55.62	741.2	-601.2	729.0	713.9	15.16	48.084	
3,950.0	3,918.5	3,903.5	3,903.5	10.9	5.9	55.94	741.2	-601.2	726.2	710.9	15.25	47.622	
3,975.0	3,943.0	3,928.0	3,928.0	11.0	5.9	56.26	741.2	-601.2	723.4	708.0	15.34	47.169	
4,000.0	3,967.5	3,952.5	3,952.5	11.1	5.9	56.59	741.2	-601.2	720.6	705.1	15.42	46.726	
4,025.0	3,992.0	3,977.0	3,977.0	11.2	6.0	56.92	741.2	-601.2	717.8	702.3	15.51	46.289	
4,050.0	4,016.5	4,001.5	4,001.5	11.4	6.0	57.24	741.2	-601.2	715.0	699.5	15.59	45.862	
4,075.0	4,041.0	4,026.0	4,026.0	11.5	6.0	57.58	741.2	-601.2	712.3	696.6	15.68	45.443	
4,100.0	4,065.5	4,050.5	4,050.5	11.6	6.1	57.91	741.2	-601.2	709.6	693.9	15.76	45.032	
4,125.0	4,090.0	4,075.0	4,075.0	11.7	6.1	58.25	741.2	-601.2	706.9	691.1	15.84	44.629	
4,150.0	4,114.5	4,099.5	4,099.5	11.8	6.1	58.59	741.2	-601.2	704.3	688.4	15.92	44.233	
4,175.0	4,139.0	4,124.0	4,124.0	11.9	6.1	58.93	741.2	-601.2	701.7	685.7	16.00	43.846	
4,200.0	4,163.5	4,148.5	4,148.5	12.0	6.2	59.28	741.2	-601.2	699.1	683.0	16.08	43.466	
4,225.0	4,188.0	4,173.0	4,173.0	12.1	6.2	59.62	741.2	-601.2	696.5	680.3	16.16	43.093	
4,250.0	4,212.5	4,197.5	4,197.5	12.2	6.2	59.97	741.2	-601.2	694.0	677.7	16.24	42.728	
4,275.0	4,237.0	4,222.0	4,222.0	12.3	6.3	60.33	741.2	-601.2	691.4	675.1	16.32	42.370	
4,300.0	4,261.5	4,246.5	4,246.5	12.4	6.3	60.68	741.2	-601.2	689.0	672.6	16.40	42.019	
4,325.0	4,286.0	4,271.0	4,271.0	12.6	6.3	61.04	741.2	-601.2	686.5	670.0	16.47	41.675	
4,350.0	4,310.5	4,295.5	4,295.5	12.7	6.3	61.40	741.2	-601.2	684.0	667.5	16.55	41.338	
4,375.0	4,335.0	4,320.0	4,320.0	12.8	6.4	61.76	741.2	-601.2	681.6	665.0	16.62	41.008	
4,400.0	4,359.5	4,344.5	4,344.5	12.9	6.4	62.12	741.2	-601.2	679.3	662.6	16.70	40.684	
4,425.0	4,384.0	4,369.0	4,369.0	13.0	6.4	62.49	741.2	-601.2	676.9	660.1	16.77	40.367	
4,450.0	4,408.5	4,393.5	4,393.5	13.1	6.4	62.86	741.2	-601.2	674.6	657.7	16.84	40.056	
4,475.0	4,433.0	4,418.0	4,418.0	13.2	6.5	63.23	741.2	-601.2	672.3	655.4	16.91	39.751	
4,500.0	4,457.5	4,442.5	4,442.5	13.3	6.5	63.61	741.2	-601.2	670.0	653.0	16.98	39.453	
4,525.0	4,482.0	4,467.0	4,467.0	13.4	6.5	63.98	741.2	-601.2	667.8	650.7	17.05	39.161	
4,550.0	4,506.5	4,491.5	4,491.5	13.6	6.6	64.36	741.2	-601.2	665.6	648.5	17.12	38.874	
4,575.0	4,531.0	4,516.0	4,516.0	13.7	6.6	64.74	741.2	-601.2	663.4	646.2	17.19	38.594	
4,600.0	4,555.5	4,540.5	4,540.5	13.8	6.6	65.13	741.2	-601.2	661.3	644.0	17.26	38.320	
4,625.0	4,580.0	4,565.0	4,565.0	13.9	6.7	65.51	741.2	-601.2	659.1	641.8	17.32	38.050	
4,650.0	4,604.5	4,589.5	4,589.5	14.0	6.7	65.90	741.2	-601.2	657.0	639.7	17.39	37.787	
4,675.0	4,629.0	4,614.0	4,614.0	14.1	6.7	66.29	741.2	-601.2	655.0	637.5	17.45	37.529	
4,700.0	4,653.5	4,638.5	4,638.5	14.2	6.7	66.69	741.2	-601.2	653.0	635.5	17.52	37.277	
4,725.0	4,678.0	4,663.0	4,663.0	14.3	6.8	67.08	741.2	-601.2	651.0	633.4	17.58	37.029	
4,750.0	4,702.5	4,687.5	4,687.5	14.5	6.8	67.48	741.2	-601.2	649.0	631.4	17.64	36.787	
4,775.0	4,727.0	4,712.0	4,712.0	14.6	6.8	67.88	741.2	-601.2	647.1	629.4	17.70	36.550	
4,800.0	4,751.5	4,736.5	4,736.5	14.7	6.9	68.29	741.2	-601.2	645.2	627.4	17.77	36.319	
4,825.0	4,776.0	4,761.0	4,761.0	14.8	6.9	68.69	741.2	-601.2	643.3	625.5	17.83	36.091	
4,850.0	4,800.5	4,785.5	4,785.5	14.9	6.9	69.10	741.2	-601.2	641.5	623.6	17.89	35.869	
4,875.0	4,825.0	4,810.0	4,810.0	15.0	6.9	69.51	741.2	-601.2	639.7	621.8	17.94	35.652	
4,900.0	4,849.5	4,834.5	4,834.5	15.1	7.0	69.92	741.2	-601.2	638.0	620.0	18.00	35.439	
4,925.0	4,874.0	4,859.0	4,859.0	15.2	7.0	70.33	741.2	-601.2	636.2	618.2	18.06	35.230	
4,950.0	4,898.5	4,883.5	4,883.5	15.4	7.0	70.75	741.2	-601.2	634.6	616.4	18.12	35.026	
4,975.0	4,923.0	4,908.0	4,908.0	15.5	7.1	71.17	741.2	-601.2	632.9	614.7	18.17	34.826	
5,000.0	4,947.5	4,932.5	4,932.5	15.6	7.1	71.59	741.2	-601.2	631.3	613.0	18.23	34.631	
5,025.0	4,972.0	4,957.0	4,957.0	15.7	7.1	72.01	741.2	-601.2	629.7	611.4	18.28	34.440	
5,050.0	4,996.5	4,981.5	4,981.5	15.8	7.1	72.44	741.2	-601.2	628.1	609.8	18.34	34.252	
5,075.0	5,021.0	5,006.0	5,006.0	15.9	7.2	72.86	741.2	-601.2	626.6	608.2	18.39	34.069	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,100.0	5,045.5	5,030.5	5,030.5	16.0	7.2	73.29	741.2	-601.2	625.2	606.7	18.45	33.890	
5,125.0	5,070.0	5,055.0	5,055.0	16.1	7.2	73.72	741.2	-601.2	623.7	605.2	18.50	33.714	
5,150.0	5,094.5	5,079.5	5,079.5	16.3	7.3	74.15	741.2	-601.2	622.3	603.8	18.55	33.542	
5,175.0	5,119.0	5,104.0	5,104.0	16.4	7.3	74.59	741.2	-601.2	620.9	602.3	18.61	33.373	
5,200.0	5,143.5	5,128.5	5,128.5	16.5	7.3	75.02	741.2	-601.2	619.6	600.9	18.66	33.208	
5,225.0	5,168.0	5,153.0	5,153.0	16.6	7.4	75.46	741.2	-601.2	618.3	599.6	18.71	33.047	
5,250.0	5,192.4	5,177.4	5,177.4	16.7	7.4	75.90	741.2	-601.2	617.1	598.3	18.76	32.888	
5,275.0	5,216.9	5,201.9	5,201.9	16.8	7.4	76.34	741.2	-601.2	615.8	597.0	18.81	32.733	
5,300.0	5,241.4	5,226.4	5,226.4	16.9	7.4	76.79	741.2	-601.2	614.7	595.8	18.87	32.581	
5,325.0	5,265.9	5,250.9	5,250.9	17.1	7.5	77.23	741.2	-601.2	613.5	594.6	18.92	32.432	
5,350.0	5,290.4	5,275.4	5,275.4	17.2	7.5	77.68	741.2	-601.2	612.4	593.4	18.97	32.286	
5,375.0	5,314.9	5,299.9	5,299.9	17.3	7.5	78.12	741.2	-601.2	611.3	592.3	19.02	32.143	
5,400.0	5,339.4	5,324.4	5,324.4	17.4	7.6	78.57	741.2	-601.2	610.3	591.2	19.07	32.002	
5,425.0	5,363.9	5,348.9	5,348.9	17.5	7.6	79.02	741.2	-601.2	609.3	590.2	19.12	31.865	
5,450.0	5,388.4	5,373.4	5,373.4	17.6	7.6	79.48	741.2	-601.2	608.4	589.2	19.17	31.731	
5,475.0	5,412.9	5,397.9	5,397.9	17.7	7.6	79.93	741.2	-601.2	607.5	588.2	19.22	31.598	
5,498.0	5,435.5	5,420.5	5,420.5	17.8	7.7	80.35	741.2	-601.2	606.7	587.4	19.27	31.479	
5,500.0	5,437.4	5,422.4	5,422.4	17.8	7.7	80.38	741.2	-601.2	606.6	587.3	19.28	31.471	
5,525.0	5,461.9	5,446.9	5,446.9	18.0	7.7	80.82	741.2	-601.2	605.8	586.4	19.39	31.239	
5,550.0	5,486.5	5,471.5	5,471.5	18.1	7.7	81.24	741.2	-601.2	605.0	585.5	19.51	31.010	
5,575.0	5,511.1	5,496.1	5,496.1	18.3	7.8	81.65	741.2	-601.2	604.3	584.7	19.63	30.784	
5,600.0	5,535.7	5,519.9	5,519.9	18.4	7.8	82.03	741.2	-601.3	603.7	584.0	19.75	30.569	
5,625.0	5,560.3	5,543.6	5,543.6	18.6	7.8	82.38	741.3	-601.5	603.2	583.4	19.80	30.471	
5,650.0	5,585.0	5,567.5	5,567.5	18.7	7.8	82.70	741.4	-602.0	602.7	582.9	19.84	30.374	
5,675.0	5,609.7	5,591.4	5,591.4	18.8	7.9	82.98	741.6	-602.6	602.4	582.5	19.89	30.280	
5,700.0	5,634.4	5,615.4	5,615.3	18.9	7.9	83.24	741.8	-603.4	602.1	582.1	19.94	30.192	
5,725.0	5,659.1	5,639.4	5,639.4	19.0	7.9	83.46	742.1	-604.5	601.8	581.9	19.98	30.116	
5,750.0	5,683.9	5,663.5	5,663.4	19.1	7.9	83.66	742.4	-605.7	601.7	581.6	20.03	30.040	
5,775.0	5,708.7	5,687.6	5,687.5	19.2	7.9	83.82	742.8	-607.1	601.5	581.5	20.08	29.964	
5,800.0	5,733.5	5,711.8	5,711.6	19.3	7.9	83.94	743.2	-608.8	601.5	581.4	20.12	29.889	
5,817.3	5,750.6	5,728.6	5,728.3	19.4	7.9	84.01	743.6	-610.0	601.5	581.3	20.16	29.841	
5,825.0	5,758.3	5,736.0	5,735.8	19.4	7.9	84.03	743.7	-610.6	601.5	581.3	20.17	29.820	
5,850.0	5,783.1	5,760.6	5,760.2	19.5	8.0	84.10	744.3	-612.6	601.5	581.3	20.22	29.751	
5,875.0	5,808.0	5,785.6	5,785.1	19.6	8.0	84.14	744.8	-614.7	601.6	581.3	20.27	29.682	
5,900.0	5,832.9	5,810.6	5,810.0	19.7	8.0	84.17	745.4	-616.8	601.6	581.3	20.32	29.612	
5,925.0	5,857.8	5,835.6	5,834.9	19.8	8.0	84.19	746.0	-618.9	601.7	581.4	20.36	29.549	
5,950.0	5,882.7	5,860.6	5,859.8	19.9	8.0	84.18	746.5	-621.0	601.9	581.4	20.41	29.486	
5,975.0	5,907.6	5,885.6	5,884.7	20.0	8.0	84.17	747.1	-623.1	602.0	581.5	20.46	29.422	
6,000.0	5,932.5	5,910.6	5,909.6	20.1	8.0	84.14	747.6	-625.2	602.1	581.6	20.51	29.357	
6,025.0	5,957.5	5,935.5	5,934.5	20.2	8.1	84.09	748.2	-627.4	602.3	581.7	20.56	29.299	
6,050.0	5,982.4	5,960.5	5,959.4	20.3	8.1	84.03	748.8	-629.5	602.5	581.9	20.60	29.240	
6,075.0	6,007.4	5,985.5	5,984.3	20.4	8.1	83.95	749.3	-631.6	602.7	582.0	20.65	29.180	
6,100.0	6,032.4	6,010.5	6,009.2	20.5	8.1	83.86	749.9	-633.7	602.9	582.2	20.70	29.120	
6,125.0	6,057.4	6,035.5	6,034.1	20.5	8.1	83.75	750.5	-635.8	603.1	582.4	20.75	29.065	
6,150.0	6,082.4	6,060.4	6,058.9	20.6	8.1	83.63	751.0	-637.9	603.4	582.6	20.80	29.009	
6,175.0	6,107.3	6,085.4	6,083.8	20.7	8.2	83.49	751.6	-640.0	603.6	582.8	20.85	28.953	
6,200.0	6,132.3	6,110.3	6,108.6	20.8	8.2	83.34	752.1	-642.1	603.9	583.0	20.90	28.896	
6,225.0	6,157.3	6,135.3	6,133.5	20.8	8.2	83.18	752.7	-644.2	604.3	583.3	20.94	28.855	
6,250.0	6,182.3	6,160.2	6,158.3	20.8	8.2	82.99	753.3	-646.3	604.6	583.6	20.98	28.813	
6,264.7	6,197.0	6,174.8	6,172.9	20.9	8.2	5.06	753.6	-647.5	604.8	583.8	21.01	28.788	
6,275.0	6,207.3	6,185.1	6,183.1	20.9	8.2	4.97	753.8	-648.4	605.0	584.0	21.02	28.776	

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Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,232.3	6,210.0	6,207.9	20.9	8.2	4.77	754.4	-650.5	605.4	584.3	21.06	28.747	
6,325.0	6,257.3	6,234.9	6,232.7	20.9	8.3	4.57	755.0	-652.6	605.8	584.7	21.11	28.700	
6,350.0	6,282.3	6,259.8	6,257.5	20.9	8.3	4.37	755.5	-654.6	606.2	585.0	21.15	28.654	
6,375.0	6,307.3	6,284.7	6,282.4	20.9	8.3	4.17	756.1	-656.7	606.6	585.4	21.20	28.608	
6,400.0	6,332.3	6,309.6	6,307.2	20.9	8.3	3.96	756.6	-658.8	607.0	585.7	21.25	28.562	
6,425.0	6,357.3	6,334.5	6,332.0	20.9	8.3	3.76	757.2	-660.9	607.4	586.1	21.30	28.516	
6,450.0	6,382.3	6,359.4	6,356.8	20.9	8.3	3.56	757.8	-663.0	607.8	586.5	21.35	28.470	
6,475.0	6,407.3	6,384.3	6,381.6	20.9	8.4	3.36	758.3	-665.1	608.3	586.9	21.40	28.424	
6,500.0	6,432.3	6,409.2	6,406.4	20.9	8.4	3.16	758.9	-667.2	608.7	587.3	21.45	28.379	
6,525.0	6,457.3	6,434.1	6,431.2	21.0	8.4	2.96	759.5	-669.3	609.2	587.7	21.50	28.333	
6,550.0	6,482.3	6,459.0	6,456.0	21.0	8.4	2.76	760.0	-671.4	609.6	588.1	21.55	28.288	
6,575.0	6,507.3	6,484.0	6,480.8	21.0	8.4	2.56	760.6	-673.5	610.1	588.5	21.60	28.243	
6,600.0	6,532.3	6,508.9	6,505.7	21.0	8.4	2.36	761.1	-675.6	610.6	588.9	21.65	28.198	
6,625.0	6,557.3	6,533.8	6,530.5	21.0	8.5	2.17	761.7	-677.7	611.1	589.3	21.70	28.153	
6,650.0	6,582.3	6,558.7	6,555.3	21.0	8.5	1.97	762.3	-679.8	611.5	589.8	21.76	28.108	
6,675.0	6,607.3	6,583.6	6,580.1	21.0	8.5	1.77	762.8	-681.9	612.0	590.2	21.81	28.063	
6,700.0	6,632.3	6,608.5	6,604.9	21.0	8.5	1.57	763.4	-684.0	612.5	590.7	21.86	28.019	
6,725.0	6,657.3	6,633.4	6,629.7	21.0	8.5	1.37	763.9	-686.1	613.1	591.1	21.91	27.975	
6,750.0	6,682.3	6,658.3	6,654.5	21.0	8.6	1.18	764.5	-688.2	613.6	591.6	21.97	27.931	
6,775.0	6,707.3	6,683.2	6,679.3	21.1	8.6	0.98	765.1	-690.3	614.1	592.1	22.02	27.887	
6,800.0	6,732.3	6,708.1	6,704.1	21.1	8.6	0.78	765.6	-692.4	614.6	592.6	22.07	27.844	
6,825.0	6,757.3	6,733.0	6,728.9	21.1	8.6	0.59	766.2	-694.5	615.2	593.0	22.13	27.800	
6,850.0	6,782.3	6,757.9	6,753.8	21.1	8.6	0.39	766.8	-696.6	615.7	593.5	22.18	27.757	
6,875.0	6,807.3	6,782.8	6,778.6	21.1	8.6	0.20	767.3	-698.7	616.3	594.0	22.24	27.714	
6,900.0	6,832.3	6,807.7	6,803.4	21.1	8.7	0.00	767.9	-700.8	616.8	594.5	22.29	27.672	
6,925.0	6,857.3	6,832.6	6,828.2	21.1	8.7	-0.19	768.4	-702.9	617.4	595.1	22.35	27.629	
6,950.0	6,882.3	6,857.5	6,853.0	21.1	8.7	-0.39	769.0	-705.0	618.0	595.6	22.40	27.587	
6,975.0	6,907.3	6,882.4	6,877.8	21.1	8.7	-0.58	769.6	-707.1	618.6	596.1	22.46	27.545	
7,000.0	6,932.3	6,907.3	6,902.6	21.1	8.7	-0.77	770.1	-709.2	619.2	596.6	22.51	27.503	
7,025.0	6,957.3	6,932.2	6,927.4	21.2	8.8	-0.97	770.7	-711.3	619.8	597.2	22.57	27.462	
7,050.0	6,982.3	6,957.1	6,952.2	21.2	8.8	-1.16	771.3	-713.4	620.4	597.7	22.62	27.421	
7,075.0	7,007.3	6,982.0	6,977.0	21.2	8.8	-1.35	771.8	-715.5	621.0	598.3	22.68	27.380	
7,100.0	7,032.3	7,007.0	7,001.9	21.2	8.8	-1.54	772.4	-717.5	621.6	598.9	22.74	27.339	
7,125.0	7,057.3	7,031.9	7,026.7	21.2	8.8	-1.74	772.9	-719.6	622.2	599.4	22.79	27.298	
7,150.0	7,082.3	7,056.8	7,051.5	21.2	8.9	-1.93	773.5	-721.7	622.9	600.0	22.85	27.258	
7,175.0	7,107.3	7,081.7	7,076.3	21.2	8.9	-2.12	774.1	-723.8	623.5	600.6	22.91	27.218	
7,200.0	7,132.3	7,106.6	7,101.1	21.2	8.9	-2.31	774.6	-725.9	624.1	601.2	22.96	27.179	
7,225.0	7,157.3	7,131.5	7,125.9	21.2	8.9	-2.50	775.2	-728.0	624.8	601.8	23.02	27.139	
7,250.0	7,182.3	7,156.4	7,150.7	21.2	8.9	-2.69	775.7	-730.1	625.5	602.4	23.08	27.100	
7,275.0	7,207.3	7,181.3	7,175.5	21.3	9.0	-2.88	776.3	-732.2	626.1	603.0	23.14	27.061	
7,300.0	7,232.3	7,206.2	7,200.3	21.3	9.0	-3.07	776.9	-734.3	626.8	603.6	23.20	27.023	
7,325.0	7,257.3	7,231.1	7,225.1	21.3	9.0	-3.26	777.4	-736.4	627.5	604.2	23.25	26.985	
7,350.0	7,282.3	7,256.0	7,250.0	21.3	9.0	-3.44	778.0	-738.5	628.2	604.9	23.31	26.947	
7,375.0	7,307.3	7,280.9	7,274.8	21.3	9.0	-3.63	778.6	-740.6	628.9	605.5	23.37	26.909	
7,400.0	7,332.3	7,305.8	7,299.6	21.3	9.1	-3.82	779.1	-742.7	629.6	606.1	23.43	26.872	
7,425.0	7,357.3	7,330.7	7,324.4	21.3	9.1	-4.01	779.7	-744.8	630.3	606.8	23.49	26.835	
7,450.0	7,382.3	7,355.6	7,349.2	21.3	9.1	-4.19	780.2	-746.9	631.0	607.4	23.55	26.798	
7,475.0	7,407.3	7,380.5	7,374.0	21.3	9.1	-4.38	780.8	-749.0	631.7	608.1	23.61	26.761	
7,500.0	7,432.3	7,405.4	7,398.8	21.3	9.1	-4.56	781.4	-751.1	632.4	608.8	23.66	26.725	
7,525.0	7,457.3	7,430.3	7,423.6	21.4	9.2	-4.75	781.9	-753.2	633.2	609.5	23.72	26.689	
7,550.0	7,482.3	7,455.2	7,448.4	21.4	9.2	-4.93	782.5	-755.3	633.9	610.1	23.78	26.654	

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7,575.0	7,507.3	7,480.1	7,473.2	21.4	9.2	-5.12	783.0	-757.4	634.7	610.8	23.84	26.618	
7,600.0	7,532.3	7,505.1	7,498.1	21.4	9.2	-5.30	783.6	-759.5	635.4	611.5	23.90	26.583	
7,625.0	7,557.3	7,530.0	7,522.9	21.4	9.2	-5.48	784.2	-761.6	636.2	612.2	23.96	26.549	
7,650.0	7,582.3	7,554.9	7,547.7	21.4	9.3	-5.67	784.7	-763.7	637.0	612.9	24.02	26.514	
7,675.0	7,607.3	7,579.8	7,572.5	21.4	9.3	-5.85	785.3	-765.8	637.7	613.6	24.08	26.480	
7,700.0	7,632.3	7,604.7	7,597.3	21.4	9.3	-6.03	785.9	-767.9	638.5	614.4	24.14	26.447	
7,725.0	7,657.3	7,629.6	7,622.1	21.4	9.3	-6.21	786.4	-770.0	639.3	615.1	24.20	26.413	
7,750.0	7,682.3	7,654.5	7,646.9	21.4	9.4	-6.40	787.0	-772.1	640.1	615.8	24.26	26.380	
7,775.0	7,707.3	7,679.4	7,671.7	21.5	9.4	-6.58	787.5	-774.2	640.9	616.6	24.32	26.347	
7,800.0	7,732.3	7,704.3	7,696.5	21.5	9.4	-6.76	788.1	-776.3	641.7	617.3	24.39	26.315	
7,825.0	7,757.3	7,729.2	7,721.3	21.5	9.4	-6.94	788.7	-778.4	642.5	618.1	24.45	26.283	
7,850.0	7,782.3	7,754.1	7,746.2	21.5	9.4	-7.12	789.2	-780.4	643.3	618.8	24.51	26.251	
7,875.0	7,807.3	7,779.0	7,771.0	21.5	9.5	-7.29	789.8	-782.5	644.2	619.6	24.57	26.220	
7,900.0	7,832.3	7,803.9	7,795.8	21.5	9.5	-7.47	790.4	-784.6	645.0	620.4	24.63	26.188	
7,925.0	7,857.3	7,828.8	7,820.6	21.5	9.5	-7.65	790.9	-786.7	645.8	621.1	24.69	26.158	
7,950.0	7,882.3	7,853.7	7,845.4	21.5	9.5	-7.83	791.5	-788.8	646.7	621.9	24.75	26.127	
7,975.0	7,907.3	7,878.6	7,870.2	21.5	9.6	-8.01	792.0	-790.9	647.5	622.7	24.81	26.097	
8,000.0	7,932.3	7,903.5	7,895.0	21.6	9.6	-8.18	792.6	-793.0	648.4	623.5	24.87	26.067	
8,025.0	7,957.3	7,928.4	7,919.8	21.6	9.6	-8.36	793.2	-795.1	649.2	624.3	24.94	26.037	
8,050.0	7,982.3	7,953.3	7,944.6	21.6	9.6	-8.53	793.7	-797.2	650.1	625.1	25.00	26.008	
8,075.0	8,007.3	7,978.2	7,969.4	21.6	9.6	-8.71	794.3	-799.3	651.0	625.9	25.06	25.979	
8,100.0	8,032.3	8,003.1	7,994.3	21.6	9.7	-8.88	794.8	-801.4	651.9	626.8	25.12	25.951	
8,125.0	8,057.3	8,028.1	8,019.1	21.6	9.7	-9.06	795.4	-803.5	652.8	627.6	25.18	25.922	
8,150.0	8,082.3	8,053.0	8,043.9	21.6	9.7	-9.23	796.0	-805.6	653.7	628.4	25.24	25.894	
8,175.0	8,107.3	8,077.9	8,068.7	21.6	9.7	-9.41	796.5	-807.7	654.6	629.2	25.30	25.867	
8,200.0	8,132.3	8,102.8	8,093.5	21.6	9.8	-9.58	797.1	-809.8	655.5	630.1	25.37	25.839	
8,225.0	8,157.3	8,127.7	8,118.3	21.6	9.8	-9.75	797.7	-811.9	656.4	630.9	25.43	25.812	
8,250.0	8,182.3	8,152.6	8,143.1	21.7	9.8	-9.92	798.2	-814.0	657.3	631.8	25.49	25.786	
8,275.0	8,207.3	8,177.5	8,167.9	21.7	9.8	-10.09	798.8	-816.1	658.2	632.7	25.55	25.759	
8,300.0	8,232.3	8,202.4	8,192.7	21.7	9.8	-10.27	799.3	-818.2	659.1	633.5	25.61	25.733	
8,325.0	8,257.3	8,227.3	8,217.5	21.7	9.9	-10.44	799.9	-820.3	660.1	634.4	25.68	25.708	
8,350.0	8,282.3	8,252.2	8,242.4	21.7	9.9	-10.61	800.5	-822.4	661.0	635.3	25.74	25.682	
8,375.0	8,307.3	8,277.1	8,267.2	21.7	9.9	-10.78	801.0	-824.5	662.0	636.2	25.80	25.657	
8,400.0	8,332.3	8,302.0	8,292.0	21.7	9.9	-10.94	801.6	-826.6	662.9	637.1	25.86	25.632	
8,425.0	8,357.3	8,326.9	8,316.8	21.7	10.0	-11.11	802.2	-828.7	663.9	638.0	25.92	25.608	
8,450.0	8,382.3	8,351.8	8,341.6	21.7	10.0	-11.28	802.7	-830.8	664.8	638.9	25.99	25.584	
8,475.0	8,407.3	8,376.7	8,366.4	21.8	10.0	-11.45	803.3	-832.9	665.8	639.8	26.05	25.560	
8,500.0	8,432.3	8,401.6	8,391.2	21.8	10.0	-11.62	803.8	-835.0	666.8	640.7	26.11	25.536	
8,525.0	8,457.3	8,426.5	8,416.0	21.8	10.1	-11.78	804.4	-837.1	667.8	641.6	26.17	25.513	
8,550.0	8,482.3	8,451.4	8,440.8	21.8	10.1	-11.95	805.0	-839.2	668.8	642.5	26.24	25.490	
8,575.0	8,507.3	8,476.3	8,465.6	21.8	10.1	-12.11	805.5	-841.2	669.8	643.5	26.30	25.468	
8,600.0	8,532.3	8,501.2	8,490.5	21.8	10.1	-12.28	806.1	-843.3	670.8	644.4	26.36	25.446	
8,625.0	8,557.3	8,526.1	8,515.3	21.8	10.2	-12.44	806.6	-845.4	671.8	645.3	26.42	25.424	
8,650.0	8,582.3	8,551.1	8,540.1	21.8	10.2	-12.61	807.2	-847.5	672.8	646.3	26.49	25.402	
8,675.0	8,607.3	8,576.0	8,564.9	21.8	10.2	-12.77	807.8	-849.6	673.8	647.2	26.55	25.380	
8,700.0	8,632.3	8,600.9	8,589.7	21.9	10.2	-12.94	808.3	-851.7	674.8	648.2	26.61	25.359	
8,725.0	8,657.3	8,625.8	8,614.5	21.9	10.3	-13.10	808.9	-853.8	675.8	649.2	26.67	25.339	
8,750.0	8,682.3	8,650.7	8,639.3	21.9	10.3	-13.26	809.5	-855.9	676.9	650.1	26.73	25.318	
8,775.0	8,707.3	8,675.6	8,664.1	21.9	10.3	-13.42	810.0	-858.0	677.9	651.1	26.80	25.298	
8,800.0	8,732.3	8,700.5	8,688.9	21.9	10.3	-13.58	810.6	-860.1	678.9	652.1	26.86	25.278	
8,825.0	8,757.3	8,725.4	8,713.7	21.9	10.3	-13.74	811.1	-862.2	680.0	653.1	26.92	25.259	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,782.3	8,750.3	8,738.6	21.9	10.4	-13.90	811.7	-864.3	681.0	654.1	26.98	25.239	
8,875.0	8,807.3	8,775.2	8,763.4	21.9	10.4	-14.06	812.3	-866.4	682.1	655.1	27.05	25.220	
8,900.0	8,832.3	8,800.1	8,788.2	21.9	10.4	-14.22	812.8	-868.5	683.2	656.1	27.11	25.202	
8,925.0	8,857.3	8,825.0	8,813.0	21.9	10.4	-14.38	813.4	-870.6	684.2	657.1	27.17	25.183	
8,950.0	8,882.3	8,849.9	8,837.8	22.0	10.5	-14.54	813.9	-872.7	685.3	658.1	27.23	25.165	
8,975.0	8,907.3	8,874.8	8,862.6	22.0	10.5	-14.70	814.5	-874.8	686.4	659.1	27.29	25.148	
9,000.0	8,932.3	8,899.7	8,887.4	22.0	10.5	-14.86	815.1	-876.9	687.5	660.1	27.36	25.130	
9,025.0	8,957.3	8,924.6	8,912.2	22.0	10.5	-15.01	815.6	-879.0	688.6	661.2	27.42	25.113	
9,050.0	8,982.3	8,949.5	8,937.0	22.0	10.6	-15.17	816.2	-881.1	689.7	662.2	27.48	25.096	
9,075.0	9,007.3	8,974.4	8,961.9	22.0	10.6	-15.32	816.8	-883.2	690.8	663.2	27.54	25.079	
9,100.0	9,032.3	8,999.3	8,986.7	22.0	10.6	-15.48	817.3	-885.3	691.9	664.3	27.61	25.063	
9,125.0	9,057.3	9,024.2	9,011.5	22.0	10.6	-15.63	817.9	-887.4	693.0	665.3	27.66	25.050	
9,150.0	9,082.3	9,049.2	9,036.3	22.0	10.7	-15.79	818.4	-889.5	694.1	666.4	27.72	25.038	
9,161.2	9,093.6	9,060.3	9,047.4	22.0	10.7	-15.86	818.7	-890.4	694.6	666.9	27.75	25.032	
9,175.0	9,107.3	9,074.1	9,061.1	22.0	10.7	-15.87	819.0	-891.6	695.0	667.3	27.77	25.024	
9,200.0	9,132.3	9,099.0	9,085.9	22.0	10.7	-16.06	819.6	-893.7	694.8	667.0	27.83	24.964	
9,225.0	9,157.1	9,123.8	9,110.6	22.0	10.7	-16.32	820.1	-895.8	693.4	665.5	27.90	24.856	
9,250.0	9,181.8	9,148.4	9,135.2	22.0	10.8	-16.66	820.7	-897.8	690.7	662.7	27.97	24.698	
9,275.0	9,206.3	9,172.9	9,159.6	22.1	10.8	-17.07	821.2	-899.9	686.8	658.8	28.04	24.493	
9,300.0	9,230.4	9,197.1	9,183.7	22.1	10.8	-17.57	821.8	-901.9	681.7	653.5	28.12	24.242	
9,325.0	9,254.1	9,220.9	9,207.4	22.1	10.8	-18.17	822.3	-903.9	675.3	647.1	28.21	23.944	
9,350.0	9,277.5	9,244.4	9,230.7	22.1	10.9	-18.86	822.8	-905.9	667.9	639.6	28.30	23.602	
9,375.0	9,300.3	9,267.3	9,253.6	22.1	10.9	-19.66	823.4	-907.8	659.2	630.8	28.40	23.216	
9,400.0	9,322.5	9,289.7	9,275.9	22.1	10.9	-20.58	823.9	-909.7	649.5	621.0	28.50	22.790	
9,425.0	9,344.1	9,311.5	9,297.7	22.1	10.9	-21.64	824.4	-911.6	638.7	610.1	28.61	22.323	
9,450.0	9,365.0	9,332.7	9,318.8	22.1	11.0	-22.85	824.8	-913.3	626.9	598.1	28.73	21.819	
9,475.0	9,385.2	9,353.1	9,339.1	22.1	11.0	-24.24	825.3	-915.1	614.0	585.2	28.86	21.279	
9,500.0	9,404.6	9,372.8	9,358.7	22.1	11.0	-25.82	825.7	-916.7	600.3	571.3	28.99	20.706	
9,525.0	9,423.1	9,391.7	9,377.5	22.1	11.0	-27.62	826.2	-918.3	585.7	556.5	29.14	20.101	
9,550.0	9,440.8	9,409.6	9,395.4	22.1	11.0	-29.67	826.6	-919.8	570.2	540.9	29.29	19.468	
9,575.0	9,457.4	9,426.7	9,412.3	22.1	11.1	-32.00	827.0	-921.3	554.0	524.5	29.45	18.808	
9,600.0	9,473.1	9,442.7	9,428.3	22.1	11.1	-34.63	827.3	-922.6	537.1	507.4	29.63	18.126	
9,625.0	9,487.8	9,457.8	9,443.3	22.1	11.1	-37.59	827.7	-923.9	519.5	489.7	29.82	17.423	
9,650.0	9,501.3	9,471.7	9,457.3	22.1	11.1	-40.91	828.0	-925.0	501.4	471.4	30.02	16.703	
9,675.0	9,513.8	9,484.6	9,470.1	22.2	11.1	-44.59	828.3	-926.1	482.9	452.7	30.24	15.970	
9,700.0	9,525.1	9,496.4	9,481.8	22.2	11.1	-48.62	828.5	-927.1	464.0	433.5	30.47	15.227	
9,725.0	9,535.2	9,507.0	9,492.3	22.2	11.1	-52.95	828.8	-928.0	444.8	414.1	30.73	14.478	
9,750.0	9,544.1	9,516.4	9,501.7	22.2	11.1	-57.52	829.0	-928.8	425.5	394.5	31.00	13.727	
9,775.0	9,551.7	9,524.5	9,509.8	22.2	11.2	-62.21	829.2	-929.5	406.2	374.9	31.29	12.979	
9,800.0	9,558.1	9,531.4	9,516.7	22.3	11.2	-66.89	829.3	-930.1	386.9	355.3	31.61	12.240	
9,825.0	9,563.3	9,537.1	9,522.4	22.3	11.2	-71.42	829.4	-930.6	367.9	335.9	31.95	11.515	
9,850.0	9,567.1	9,541.5	9,526.8	22.3	11.2	-75.65	829.5	-930.9	349.3	317.0	32.31	10.809	
9,875.0	9,569.6	9,544.6	9,529.8	22.3	11.2	-79.46	829.6	-931.2	331.2	298.5	32.69	10.132	
9,900.0	9,570.9	9,546.4	9,531.6	22.4	11.2	-82.75	829.7	-931.3	313.9	280.8	33.08	9.488	
9,907.4	9,571.0	9,546.7	9,531.9	22.4	11.2	-83.61	829.7	-931.4	308.9	275.7	33.20	9.306	
9,925.0	9,571.1	9,547.2	9,532.5	22.4	11.2	-83.75	829.7	-931.4	297.5	264.1	33.48	8.888	
9,950.0	9,571.3	9,548.0	9,533.2	22.4	11.2	-83.94	829.7	-931.5	282.5	248.6	33.87	8.341	
9,975.0	9,571.5	9,548.8	9,534.0	22.5	11.2	-84.13	829.7	-931.5	268.9	234.7	34.22	7.857	
10,000.0	9,571.7	9,549.5	9,534.8	22.5	11.2	-84.32	829.7	-931.6	257.0	222.5	34.52	7.446	
10,025.0	9,571.9	9,550.3	9,535.5	22.6	11.2	-84.51	829.7	-931.7	247.1	212.4	34.73	7.115	
10,050.0	9,572.1	9,551.1	9,536.3	22.6	11.2	-84.70	829.8	-931.7	239.4	204.6	34.82	6.876	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,075.0	9,572.3	9,551.8	9,537.0	22.7	11.2	-84.89	829.8	-931.8	234.1	199.4	34.75	6.738	
10,100.0	9,572.5	9,552.6	9,537.8	22.7	11.2	-85.08	829.8	-931.9	231.5	197.0	34.50	6.709 SF	
10,112.5	9,572.6	9,553.0	9,538.2	22.7	11.2	-85.17	829.8	-931.9	231.1	196.8	34.32	6.735 CC, ES	
10,125.0	9,572.7	9,553.4	9,538.6	22.8	11.2	-85.27	829.8	-931.9	231.5	197.4	34.09	6.789	
10,150.0	9,572.9	9,554.1	9,539.3	22.8	11.2	-85.46	829.8	-932.0	234.1	200.6	33.53	6.982	
10,175.0	9,573.2	9,554.9	9,540.1	22.9	11.2	-85.64	829.9	-932.0	239.4	206.6	32.87	7.285	
10,200.0	9,573.4	9,555.7	9,540.9	22.9	11.2	-85.83	829.9	-932.1	247.1	215.0	32.13	7.690	
10,225.0	9,573.6	9,556.4	9,541.6	23.0	11.2	-86.02	829.9	-932.2	257.0	225.6	31.40	8.186	
10,250.0	9,573.8	9,557.2	9,542.4	23.1	11.2	-86.21	829.9	-932.2	268.9	238.2	30.68	8.764	
10,275.0	9,574.0	9,558.0	9,543.2	23.1	11.2	-86.40	829.9	-932.3	282.5	252.5	30.02	9.411	
10,300.0	9,574.2	9,558.7	9,543.9	23.2	11.2	-86.59	829.9	-932.4	297.6	268.2	29.42	10.115	
10,325.0	9,574.4	9,559.5	9,544.7	23.3	11.2	-86.78	830.0	-932.4	313.9	285.0	28.90	10.863	
10,350.0	9,574.6	9,560.3	9,545.4	23.3	11.2	-86.97	830.0	-932.5	331.3	302.9	28.45	11.648	
10,375.0	9,574.8	9,561.0	9,546.2	23.4	11.2	-87.16	830.0	-932.6	349.7	321.6	28.06	12.462	
10,400.0	9,575.0	9,561.8	9,547.0	23.5	11.2	-87.35	830.0	-932.6	368.8	341.1	27.73	13.299	
10,425.0	9,575.2	9,562.6	9,547.7	23.6	11.2	-87.54	830.0	-932.7	388.6	361.1	27.46	14.152	
10,450.0	9,575.4	9,563.3	9,548.5	23.6	11.2	-87.73	830.0	-932.8	408.9	381.7	27.23	15.018	
10,475.0	9,575.6	9,564.1	9,549.3	23.7	11.2	-87.92	830.1	-932.8	429.8	402.7	27.04	15.895	
10,500.0	9,575.8	9,564.9	9,550.0	23.8	11.2	-88.11	830.1	-932.9	451.1	424.2	26.88	16.780	
10,525.0	9,576.0	9,565.6	9,550.8	23.9	11.2	-88.30	830.1	-933.0	472.7	445.9	26.75	17.669	
10,550.0	9,576.2	9,566.4	9,551.6	24.0	11.2	-88.49	830.1	-933.0	494.6	468.0	26.65	18.563	
10,575.0	9,576.4	9,567.2	9,552.3	24.0	11.2	-88.68	830.1	-933.1	516.9	490.3	26.56	19.461	
10,600.0	9,576.6	9,567.9	9,553.1	24.1	11.2	-88.87	830.1	-933.1	539.3	512.8	26.49	20.363	
10,625.0	9,576.8	9,568.7	9,553.8	24.2	11.2	-89.06	830.2	-933.2	562.0	535.6	26.43	21.265	
10,650.0	9,577.0	9,569.5	9,554.6	24.3	11.2	-89.25	830.2	-933.3	584.9	558.5	26.38	22.168	
10,675.0	9,577.2	9,570.2	9,555.4	24.4	11.2	-89.44	830.2	-933.3	607.9	581.6	26.35	23.074	
10,700.0	9,577.4	9,571.0	9,556.1	24.5	11.2	-89.62	830.2	-933.4	631.1	604.8	26.32	23.981	
10,725.0	9,577.6	9,571.8	9,556.9	24.6	11.2	-89.81	830.2	-933.5	654.4	628.1	26.30	24.886	
10,750.0	9,577.8	9,572.5	9,557.7	24.7	11.2	-90.00	830.2	-933.5	677.8	651.6	26.28	25.793	
10,775.0	9,578.0	9,573.3	9,558.4	24.8	11.2	-90.19	830.3	-933.6	701.4	675.1	26.27	26.700	
10,800.0	9,578.2	9,574.1	9,559.2	24.9	11.2	-90.38	830.3	-933.7	725.0	698.8	26.26	27.608	
10,825.0	9,578.4	9,574.8	9,559.9	25.0	11.2	-90.57	830.3	-933.7	748.8	722.5	26.26	28.514	
10,850.0	9,578.6	9,575.6	9,560.7	25.1	11.2	-90.75	830.3	-933.8	772.6	746.3	26.26	29.421	
10,875.0	9,578.8	9,576.4	9,561.5	25.2	11.2	-90.94	830.3	-933.9	796.4	770.2	26.26	30.327	
10,900.0	9,579.0	9,577.1	9,562.2	25.3	11.2	-91.13	830.4	-933.9	820.4	794.1	26.27	31.234	
10,925.0	9,579.2	9,577.9	9,563.0	25.4	11.2	-91.32	830.4	-934.0	844.4	818.1	26.27	32.139	
10,950.0	9,579.4	9,578.7	9,563.8	25.5	11.2	-91.51	830.4	-934.0	868.4	842.2	26.28	33.044	
10,975.0	9,579.6	9,579.4	9,564.5	25.6	11.2	-91.69	830.4	-934.1	892.6	866.3	26.29	33.949	
11,000.0	9,579.8	9,580.2	9,565.3	25.8	11.2	-91.88	830.4	-934.2	916.7	890.4	26.30	34.854	
11,025.0	9,580.0	9,581.0	9,566.1	25.9	11.2	-92.07	830.4	-934.2	940.9	914.6	26.31	35.757	
11,050.0	9,580.2	9,581.7	9,566.8	26.0	11.2	-92.26	830.5	-934.3	965.2	938.8	26.33	36.660	
11,075.0	9,580.4	9,582.5	9,567.6	26.1	11.2	-92.44	830.5	-934.4	989.4	963.1	26.34	37.562	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.29	40.0	-0.2	40.0				
25.0	25.0	25.0	25.0	0.5	0.1	-0.29	40.0	-0.2	40.0				
50.0	50.0	50.0	50.0	0.5	0.3	-0.29	40.0	-0.2	40.0	38.7	1.28	31.178	
75.0	75.0	75.0	75.0	0.5	0.4	-0.29	40.0	-0.2	40.0	38.6	1.38	29.031	
100.0	100.0	100.0	100.0	0.5	0.5	-0.29	40.0	-0.2	40.0	38.5	1.50	26.740	
125.0	125.0	125.0	125.0	0.6	0.6	-0.29	40.0	-0.2	40.0	38.3	1.75	22.891	
150.0	150.0	150.0	150.0	0.8	0.8	-0.29	40.0	-0.2	40.0	38.0	2.00	20.011	
175.0	175.0	175.0	175.0	0.9	0.9	-0.29	40.0	-0.2	40.0	37.8	2.25	17.774	
200.0	200.0	200.0	200.0	1.0	1.0	-0.29	40.0	-0.2	40.0	37.5	2.50	15.987	
225.0	225.0	225.0	225.0	1.1	1.1	-0.29	40.0	-0.2	40.0	37.3	2.67	14.985	
250.0	250.0	250.0	250.0	1.2	1.2	-0.29	40.0	-0.2	40.0	37.2	2.84	14.101	
275.0	275.0	275.0	275.0	1.3	1.3	-0.29	40.0	-0.2	40.0	37.0	3.00	13.316	
300.0	300.0	300.0	300.0	1.4	1.4	-0.29	40.0	-0.2	40.0	36.8	3.17	12.613	
325.0	325.0	325.0	325.0	1.4	1.4	-0.29	40.0	-0.2	40.0	36.7	3.31	12.091	
350.0	350.0	350.0	350.0	1.5	1.5	-0.29	40.0	-0.2	40.0	36.6	3.45	11.610	
375.0	375.0	375.0	375.0	1.6	1.6	-0.29	40.0	-0.2	40.0	36.4	3.58	11.165	
400.0	400.0	400.0	400.0	1.6	1.6	-0.29	40.0	-0.2	40.0	36.3	3.72	10.754	
425.0	425.0	425.0	425.0	1.7	1.7	-0.29	40.0	-0.2	40.0	36.2	3.84	10.417	
450.0	450.0	450.0	450.0	1.8	1.8	-0.29	40.0	-0.2	40.0	36.0	3.96	10.101	
475.0	475.0	475.0	475.0	1.8	1.8	-0.29	40.0	-0.2	40.0	35.9	4.08	9.803	
500.0	500.0	500.0	500.0	1.9	1.9	-0.29	40.0	-0.2	40.0	35.8	4.20	9.522	
525.0	525.0	525.0	525.0	1.9	1.9	-0.29	40.0	-0.2	40.0	35.7	4.31	9.280	
550.0	550.0	550.0	550.0	2.0	2.0	-0.29	40.0	-0.2	40.0	35.6	4.42	9.051	
575.0	575.0	575.0	575.0	2.1	2.1	-0.29	40.0	-0.2	40.0	35.5	4.53	8.832	
600.0	600.0	600.0	600.0	2.1	2.1	-0.29	40.0	-0.2	40.0	35.4	4.64	8.624	
625.0	625.0	625.0	625.0	2.2	2.2	-0.29	40.0	-0.2	40.0	35.3	4.74	8.439	
650.0	650.0	650.0	650.0	2.2	2.2	-0.29	40.0	-0.2	40.0	35.2	4.84	8.262	
675.0	675.0	675.0	675.0	2.3	2.3	-0.29	40.0	-0.2	40.0	35.1	4.94	8.092	
700.0	700.0	700.0	700.0	2.3	2.3	-0.29	40.0	-0.2	40.0	35.0	5.04	7.929	
725.0	725.0	725.0	725.0	2.4	2.4	-0.29	40.0	-0.2	40.0	34.9	5.14	7.782	
750.0	750.0	750.0	750.0	2.4	2.4	-0.29	40.0	-0.2	40.0	34.8	5.24	7.639	
775.0	775.0	775.0	775.0	2.5	2.5	-0.29	40.0	-0.2	40.0	34.7	5.33	7.502	
800.0	800.0	800.0	800.0	2.5	2.5	-0.29	40.0	-0.2	40.0	34.6	5.43	7.370	
825.0	825.0	825.0	825.0	2.6	2.6	-0.29	40.0	-0.2	40.0	34.5	5.52	7.248	
850.0	850.0	850.0	850.0	2.6	2.6	-0.29	40.0	-0.2	40.0	34.4	5.61	7.131	
875.0	875.0	875.0	875.0	2.6	2.6	-0.29	40.0	-0.2	40.0	34.3	5.70	7.017	
900.0	900.0	900.0	900.0	2.7	2.7	-0.29	40.0	-0.2	40.0	34.2	5.79	6.906	
925.0	925.0	925.0	925.0	2.7	2.7	-0.29	40.0	-0.2	40.0	34.1	5.88	6.804	
950.0	950.0	950.0	950.0	2.8	2.8	-0.29	40.0	-0.2	40.0	34.0	5.97	6.704	
975.0	975.0	975.0	975.0	2.8	2.8	-0.29	40.0	-0.2	40.0	33.9	6.05	6.607	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	-0.29	40.0	-0.2	40.0	33.9	6.14	6.513	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	-0.29	40.0	-0.2	40.0	33.8	6.23	6.425	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	-0.29	40.0	-0.2	40.0	33.7	6.31	6.339	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	-0.29	40.0	-0.2	40.0	33.6	6.39	6.255	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	-0.29	40.0	-0.2	40.0	33.5	6.48	6.174	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	-0.29	40.0	-0.2	40.0	33.4	6.56	6.097	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	-0.29	40.0	-0.2	40.0	33.4	6.64	6.022	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	-0.29	40.0	-0.2	40.0	33.3	6.72	5.949	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	-0.29	40.0	-0.2	40.0	33.2	6.81	5.877	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	-0.29	40.0	-0.2	40.0	33.1	6.89	5.809	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	-0.29	40.0	-0.2	40.0	33.0	6.97	5.743	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	-0.29	40.0	-0.2	40.0	33.0	7.04	5.678	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-0.29	40.0	-0.2	40.0	32.9	7.12	5.615	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	-0.29	40.0	-0.2	40.0	32.8	7.20	5.554	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	-0.29	40.0	-0.2	40.0	32.7	7.28	5.495	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	-0.29	40.0	-0.2	40.0	32.6	7.36	5.437	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-0.29	40.0	-0.2	40.0	32.6	7.44	5.380	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	-0.29	40.0	-0.2	40.0	32.5	7.51	5.326	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	-0.29	40.0	-0.2	40.0	32.4	7.59	5.272	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	-0.29	40.0	-0.2	40.0	32.3	7.66	5.220	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	-0.29	40.0	-0.2	40.0	32.3	7.74	5.169	
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	-0.29	40.0	-0.2	40.0	32.2	7.81	5.119	
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	-0.29	40.0	-0.2	40.0	32.1	7.89	5.071	
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	-0.29	40.0	-0.2	40.0	32.0	7.96	5.023	
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	-0.29	40.0	-0.2	40.0	32.0	8.04	4.977	
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	-0.29	40.0	-0.2	40.0	31.9	8.11	4.932	
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	-0.29	40.0	-0.2	40.0	31.8	8.18	4.888	
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	-0.29	40.0	-0.2	40.0	31.7	8.26	4.844	
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	-0.29	40.0	-0.2	40.0	31.7	8.33	4.802	
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	-0.29	40.0	-0.2	40.0	31.6	8.40	4.760	
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	-0.29	40.0	-0.2	40.0	31.5	8.48	4.720	
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	-0.29	40.0	-0.2	40.0	31.5	8.55	4.680	
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	-0.29	40.0	-0.2	40.0	31.4	8.62	4.641	
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	-0.29	40.0	-0.2	40.0	31.3	8.69	4.603	
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	-0.29	40.0	-0.2	40.0	31.2	8.76	4.565	
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	-0.29	40.0	-0.2	40.0	31.2	8.83	4.529	
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	-0.29	40.0	-0.2	40.0	31.1	8.90	4.492	
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	-0.29	40.0	-0.2	40.0	31.0	8.97	4.457	
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	-0.29	40.0	-0.2	40.0	31.0	9.04	4.423	
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	-0.29	40.0	-0.2	40.0	30.9	9.11	4.389	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-0.29	40.0	-0.2	40.0	30.8	9.18	4.355	
2,025.0	2,025.0	2,024.9	2,024.9	4.4	4.4	77.84	40.0	-0.1	40.0	30.8	9.24	4.328	
2,043.7	2,043.7	2,043.6	2,043.5	4.5	4.5	78.47	40.1	0.1	40.0	30.7	9.28	4.308 CC	
2,050.0	2,050.0	2,049.9	2,049.9	4.5	4.5	78.76	40.1	0.2	40.0	30.7	9.30	4.302	
2,075.0	2,075.0	2,074.8	2,074.7	4.5	4.5	80.28	40.2	0.8	40.0	30.7	9.35	4.279 ES	
2,100.0	2,100.0	2,099.6	2,099.6	4.5	4.5	82.40	40.3	1.5	40.1	30.7	9.40	4.263	
2,125.0	2,125.0	2,124.5	2,124.4	4.6	4.6	85.10	40.5	2.5	40.3	30.8	9.48	4.249 SF	
2,150.0	2,149.9	2,149.2	2,149.2	4.6	4.6	88.35	40.7	3.6	40.6	31.1	9.54	4.254	
2,175.0	2,174.9	2,173.9	2,173.8	4.7	4.7	92.09	41.0	5.0	41.2	31.6	9.61	4.286	
2,200.0	2,199.8	2,198.6	2,198.4	4.7	4.7	96.24	41.3	6.6	42.0	32.4	9.66	4.351	
2,225.0	2,224.8	2,223.1	2,222.9	4.7	4.7	100.69	41.6	8.3	43.3	33.6	9.72	4.454	
2,250.0	2,249.7	2,247.6	2,247.2	4.8	4.8	105.32	42.0	10.3	45.0	35.2	9.77	4.602	
2,275.0	2,274.6	2,271.9	2,271.5	4.8	4.8	109.99	42.4	12.5	47.2	37.3	9.83	4.797	
2,300.0	2,299.5	2,296.1	2,295.6	4.9	4.9	114.58	42.9	14.8	49.9	40.0	9.90	5.040	
2,325.0	2,324.3	2,320.2	2,319.6	4.9	4.9	118.99	43.4	17.4	53.2	43.2	9.99	5.330	
2,350.0	2,349.1	2,344.2	2,343.4	5.0	5.0	123.13	43.9	20.1	57.1	47.0	10.08	5.666	
2,375.0	2,373.9	2,368.0	2,367.0	5.1	5.0	126.97	44.5	23.0	61.6	51.4	10.19	6.046	
2,400.0	2,398.7	2,391.7	2,390.5	5.1	5.1	130.47	45.1	26.1	66.7	56.4	10.31	6.467	
2,425.0	2,423.4	2,415.2	2,413.8	5.2	5.2	133.64	45.7	29.3	72.3	61.8	10.44	6.923	
2,450.0	2,448.2	2,438.5	2,436.8	5.3	5.2	136.49	46.3	32.7	78.4	67.9	10.58	7.413	
2,475.0	2,472.8	2,461.7	2,459.7	5.4	5.3	139.03	47.0	36.3	85.1	74.4	10.73	7.935	
2,500.0	2,497.5	2,484.7	2,482.4	5.5	5.4	141.31	47.7	40.0	92.3	81.4	10.88	8.486	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,525.0	2,522.1	2,507.5	2,504.8	5.5	5.5	143.33	48.5	43.8	100.0	89.0	11.01	9.081	
2,550.0	2,546.6	2,530.1	2,527.0	5.6	5.5	145.14	49.3	47.8	108.1	97.0	11.13	9.713	
2,575.0	2,571.1	2,552.4	2,549.0	5.7	5.6	146.75	50.1	51.9	116.7	105.5	11.25	10.371	
2,600.0	2,595.6	2,575.0	2,571.2	5.7	5.7	148.29	50.9	56.3	125.7	114.3	11.37	11.058	
2,625.0	2,620.1	2,597.7	2,593.4	5.8	5.7	149.65	51.8	60.7	134.8	123.3	11.48	11.738	
2,650.0	2,644.6	2,620.8	2,616.0	5.9	5.8	150.85	52.6	65.2	144.0	132.3	11.63	12.378	
2,675.0	2,669.1	2,643.9	2,638.6	5.9	5.8	151.92	53.5	69.8	153.2	141.4	11.78	13.004	
2,700.0	2,693.6	2,667.0	2,661.3	6.0	5.9	152.86	54.4	74.3	162.5	150.5	11.93	13.618	
2,725.0	2,718.1	2,690.1	2,683.9	6.1	6.0	153.70	55.2	78.8	171.8	159.7	12.08	14.216	
2,750.0	2,742.6	2,713.2	2,706.5	6.2	6.1	154.46	56.1	83.3	181.1	168.9	12.24	14.800	
2,775.0	2,767.1	2,736.3	2,729.2	6.3	6.1	155.14	57.0	87.8	190.4	178.1	12.39	15.372	
2,800.0	2,791.6	2,759.3	2,751.8	6.4	6.2	155.76	57.9	92.4	199.8	187.3	12.54	15.931	
2,825.0	2,816.1	2,782.4	2,774.4	6.4	6.3	156.33	58.7	96.9	209.2	196.5	12.70	16.473	
2,850.0	2,840.6	2,805.5	2,797.0	6.5	6.4	156.84	59.6	101.4	218.6	205.8	12.86	17.002	
2,875.0	2,865.1	2,828.6	2,819.7	6.6	6.4	157.32	60.5	105.9	228.1	215.0	13.02	17.516	
2,900.0	2,889.6	2,851.7	2,842.3	6.7	6.5	157.75	61.3	110.4	237.5	224.3	13.18	18.019	
2,925.0	2,914.1	2,874.8	2,864.9	6.8	6.6	158.16	62.2	115.0	246.9	233.6	13.34	18.505	
2,950.0	2,938.6	2,897.9	2,887.6	6.9	6.7	158.53	63.1	119.5	256.4	242.9	13.51	18.981	
2,975.0	2,963.1	2,921.0	2,910.2	7.0	6.8	158.88	64.0	124.0	265.9	252.2	13.67	19.442	
3,000.0	2,987.6	2,944.1	2,932.8	7.1	6.9	159.20	64.8	128.5	275.3	261.5	13.84	19.892	
3,025.0	3,012.1	2,967.2	2,955.4	7.2	6.9	159.50	65.7	133.0	284.8	270.8	14.01	20.328	
3,050.0	3,036.6	2,990.3	2,978.1	7.2	7.0	159.78	66.6	137.6	294.3	280.1	14.18	20.754	
3,075.0	3,061.1	3,013.4	3,000.7	7.3	7.1	160.05	67.4	142.1	303.8	289.4	14.35	21.168	
3,100.0	3,085.6	3,036.5	3,023.3	7.4	7.2	160.30	68.3	146.6	313.3	298.8	14.52	21.571	
3,125.0	3,110.1	3,059.5	3,046.0	7.5	7.3	160.53	69.2	151.1	322.8	308.1	14.70	21.962	
3,150.0	3,134.6	3,082.6	3,068.6	7.6	7.4	160.75	70.1	155.6	332.3	317.4	14.87	22.343	
3,175.0	3,159.1	3,105.7	3,091.2	7.7	7.5	160.96	70.9	160.2	341.8	326.8	15.05	22.716	
3,200.0	3,183.6	3,128.8	3,113.8	7.8	7.5	161.16	71.8	164.7	351.3	336.1	15.22	23.077	
3,225.0	3,208.1	3,151.9	3,136.5	7.9	7.6	161.34	72.7	169.2	360.8	345.4	15.40	23.427	
3,250.0	3,232.6	3,175.0	3,159.1	8.0	7.7	161.52	73.6	173.7	370.4	354.8	15.58	23.770	
3,275.0	3,257.1	3,198.1	3,181.7	8.1	7.8	161.69	74.4	178.3	379.9	364.1	15.76	24.105	
3,300.0	3,281.6	3,221.2	3,204.4	8.2	7.9	161.85	75.3	182.8	389.4	373.5	15.94	24.430	
3,325.0	3,306.1	3,244.3	3,227.0	8.3	8.0	162.00	76.2	187.3	398.9	382.8	16.12	24.744	
3,350.0	3,330.6	3,267.4	3,249.6	8.4	8.1	162.15	77.0	191.8	408.5	392.2	16.30	25.052	
3,375.0	3,355.1	3,290.5	3,272.2	8.5	8.2	162.29	77.9	196.3	418.0	401.5	16.49	25.353	
3,400.0	3,379.6	3,313.6	3,294.9	8.6	8.3	162.42	78.8	200.9	427.5	410.9	16.67	25.647	
3,425.0	3,404.1	3,336.7	3,317.5	8.7	8.4	162.55	79.7	205.4	437.1	420.2	16.86	25.930	
3,450.0	3,428.6	3,359.7	3,340.1	8.8	8.5	162.67	80.5	209.9	446.6	429.6	17.04	26.207	
3,475.0	3,453.1	3,382.8	3,362.8	8.9	8.5	162.78	81.4	214.4	456.2	438.9	17.23	26.479	
3,500.0	3,477.6	3,405.9	3,385.4	9.0	8.6	162.90	82.3	218.9	465.7	448.3	17.41	26.744	
3,525.0	3,502.1	3,429.0	3,408.0	9.1	8.7	163.00	83.1	223.5	475.2	457.6	17.60	27.000	
3,550.0	3,526.6	3,452.1	3,430.7	9.2	8.8	163.11	84.0	228.0	484.8	467.0	17.79	27.251	
3,575.0	3,551.1	3,475.2	3,453.3	9.3	8.9	163.21	84.9	232.5	494.3	476.4	17.98	27.497	
3,600.0	3,575.6	3,498.3	3,475.9	9.4	9.0	163.30	85.8	237.0	503.9	485.7	18.17	27.737	
3,625.0	3,600.1	3,521.4	3,498.5	9.5	9.1	163.39	86.6	241.5	513.4	495.1	18.36	27.969	
3,650.0	3,624.6	3,544.5	3,521.2	9.6	9.2	163.48	87.5	246.1	523.0	504.4	18.55	28.197	
3,675.0	3,649.1	3,567.6	3,543.8	9.8	9.3	163.57	88.4	250.6	532.5	513.8	18.74	28.419	
3,700.0	3,673.6	3,590.7	3,566.4	9.9	9.4	163.65	89.2	255.1	542.1	523.2	18.93	28.637	
3,725.0	3,698.1	3,613.8	3,589.1	10.0	9.5	163.73	90.1	259.6	551.6	532.5	19.12	28.849	
3,750.0	3,722.6	3,636.9	3,611.7	10.1	9.6	163.80	91.0	264.1	561.2	541.9	19.31	29.055	
3,775.0	3,747.1	3,659.9	3,634.3	10.2	9.7	163.88	91.9	268.7	570.7	551.2	19.51	29.258	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,800.0	3,771.6	3,683.0	3,656.9	10.3	9.8	163.95	92.7	273.2	580.3	560.6	19.70	29.456	
3,825.0	3,796.1	3,706.1	3,679.6	10.4	9.9	164.02	93.6	277.7	589.9	570.0	19.89	29.649	
3,850.0	3,820.6	3,729.2	3,702.2	10.5	10.0	164.09	94.5	282.2	599.4	579.3	20.09	29.837	
3,875.0	3,845.1	3,752.3	3,724.8	10.6	10.1	164.15	95.4	286.7	609.0	588.7	20.28	30.022	
3,900.0	3,869.5	3,775.4	3,747.5	10.7	10.2	164.21	96.2	291.3	618.5	598.1	20.48	30.203	
3,925.0	3,894.0	3,798.5	3,770.1	10.8	10.3	164.27	97.1	295.8	628.1	607.4	20.67	30.380	
3,950.0	3,918.5	3,821.6	3,792.7	10.9	10.4	164.33	98.0	300.3	637.7	616.8	20.87	30.552	
3,975.0	3,943.0	3,844.7	3,815.3	11.0	10.5	164.39	98.8	304.8	647.2	626.1	21.07	30.720	
4,000.0	3,967.5	3,867.8	3,838.0	11.1	10.6	164.45	99.7	309.4	656.8	635.5	21.26	30.886	
4,025.0	3,992.0	3,890.9	3,860.6	11.2	10.7	164.50	100.6	313.9	666.3	644.9	21.46	31.048	
4,050.0	4,016.5	3,914.0	3,883.2	11.4	10.8	164.55	101.5	318.4	675.9	654.2	21.66	31.206	
4,075.0	4,041.0	3,937.0	3,905.9	11.5	10.9	164.61	102.3	322.9	685.5	663.6	21.86	31.361	
4,100.0	4,065.5	3,960.1	3,928.5	11.6	11.0	164.66	103.2	327.4	695.0	673.0	22.06	31.513	
4,125.0	4,090.0	3,983.2	3,951.1	11.7	11.1	164.70	104.1	332.0	704.6	682.3	22.25	31.661	
4,150.0	4,114.5	4,006.3	3,973.7	11.8	11.2	164.75	104.9	336.5	714.1	691.7	22.45	31.807	
4,175.0	4,139.0	4,029.4	3,996.4	11.9	11.3	164.80	105.8	341.0	723.7	701.1	22.65	31.949	
4,200.0	4,163.5	4,052.5	4,019.0	12.0	11.4	164.84	106.7	345.5	733.3	710.4	22.85	32.089	
4,225.0	4,188.0	4,075.6	4,041.6	12.1	11.5	164.88	107.6	350.0	742.8	719.8	23.05	32.225	
4,250.0	4,212.5	4,098.7	4,064.3	12.2	11.6	164.93	108.4	354.6	752.4	729.2	23.25	32.360	
4,275.0	4,237.0	4,121.8	4,086.9	12.3	11.7	164.97	109.3	359.1	762.0	738.5	23.45	32.491	
4,300.0	4,261.5	4,144.9	4,109.5	12.4	11.8	165.01	110.2	363.6	771.5	747.9	23.65	32.620	
4,325.0	4,286.0	4,168.0	4,132.1	12.6	11.9	165.05	111.0	368.1	781.1	757.2	23.85	32.746	
4,350.0	4,310.5	4,191.1	4,154.8	12.7	12.0	165.09	111.9	372.6	790.7	766.6	24.05	32.870	
4,375.0	4,335.0	4,214.2	4,177.4	12.8	12.1	165.12	112.8	377.2	800.2	776.0	24.26	32.991	
4,400.0	4,359.5	4,237.2	4,200.0	12.9	12.2	165.16	113.7	381.7	809.8	785.3	24.46	33.110	
4,425.0	4,384.0	4,260.3	4,222.7	13.0	12.3	165.20	114.5	386.2	819.4	794.7	24.66	33.227	
4,450.0	4,408.5	4,283.4	4,245.3	13.1	12.4	165.23	115.4	390.7	828.9	804.1	24.86	33.342	
4,475.0	4,433.0	4,306.5	4,267.9	13.2	12.5	165.27	116.3	395.2	838.5	813.4	25.06	33.454	
4,500.0	4,457.5	4,329.6	4,290.5	13.3	12.6	165.30	117.2	399.8	848.1	822.8	25.27	33.565	
4,525.0	4,482.0	4,352.7	4,313.2	13.4	12.7	165.33	118.0	404.3	857.6	832.2	25.47	33.673	
4,550.0	4,506.5	4,375.8	4,335.8	13.6	12.8	165.36	118.9	408.8	867.2	841.5	25.67	33.779	
4,575.0	4,531.0	4,398.9	4,358.4	13.7	12.9	165.40	119.8	413.3	876.8	850.9	25.88	33.884	
4,600.0	4,555.5	4,422.0	4,381.1	13.8	13.0	165.43	120.6	417.8	886.3	860.3	26.08	33.987	
4,625.0	4,580.0	4,445.1	4,403.7	13.9	13.1	165.46	121.5	422.4	895.9	869.6	26.28	34.087	
4,650.0	4,604.5	4,468.2	4,426.3	14.0	13.2	165.48	122.4	426.9	905.5	879.0	26.49	34.186	
4,675.0	4,629.0	4,491.3	4,448.9	14.1	13.3	165.51	123.3	431.4	915.0	888.4	26.69	34.283	
4,700.0	4,653.5	4,514.4	4,471.6	14.2	13.4	165.54	124.1	435.9	924.6	897.7	26.89	34.379	
4,725.0	4,678.0	4,537.4	4,494.2	14.3	13.5	165.57	125.0	440.5	934.2	907.1	27.10	34.472	
4,750.0	4,702.5	4,560.5	4,516.8	14.5	13.6	165.60	125.9	445.0	943.8	916.5	27.30	34.564	
4,775.0	4,727.0	4,583.6	4,539.5	14.6	13.7	165.62	126.7	449.5	953.3	925.8	27.51	34.655	
4,800.0	4,751.5	4,606.7	4,562.1	14.7	13.8	165.65	127.6	454.0	962.9	935.2	27.71	34.744	
4,825.0	4,776.0	4,629.8	4,584.7	14.8	13.9	165.67	128.5	458.5	972.5	944.5	27.92	34.832	
4,850.0	4,800.5	4,652.9	4,607.3	14.9	14.0	165.70	129.4	463.1	982.0	953.9	28.12	34.918	
4,875.0	4,825.0	4,676.0	4,630.0	15.0	14.1	165.72	130.2	467.6	991.6	963.3	28.33	35.002	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 9302-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	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	4.5	77.84	20.0	-0.1	20.0	10.7	9.26	2.157	Caution - Monitor Closely
2,050.0	2,050.0	2,050.0	2,050.0	4.5	4.5	78.77	20.0	-0.1	19.9	10.6	9.34	2.132	Caution - Monitor Closely
2,075.0	2,075.0	2,075.0	2,075.0	4.5	4.6	80.31	20.0	-0.1	19.8	10.4	9.42	2.104	Caution - Monitor Closely
2,100.0	2,100.0	2,100.0	2,100.0	4.5	4.6	82.51	20.0	-0.1	19.7	10.2	9.49	2.076	Caution - Monitor Closely
2,125.0	2,125.0	2,125.0	2,125.0	4.6	4.7	85.35	20.0	-0.1	19.6	10.0	9.55	2.051	Caution - Monitor Closely
2,150.0	2,149.9	2,149.9	2,149.9	4.6	4.7	88.86	20.0	-0.1	19.5	9.9	9.61	2.033	Caution - Monitor Closely
2,157.3	2,157.2	2,157.2	2,157.2	4.6	4.7	90.00	20.0	-0.1	19.5	9.9	9.62	2.029	Caution - Monitor Closely, CC
2,175.0	2,174.9	2,174.9	2,174.9	4.7	4.7	93.01	20.0	-0.1	19.6	9.9	9.65	2.026	Caution - Monitor Closely, ES, SF
2,200.0	2,199.8	2,199.8	2,199.8	4.7	4.8	97.75	20.0	-0.1	19.7	10.0	9.68	2.035	Caution - Monitor Closely
2,225.0	2,224.8	2,224.7	2,224.7	4.7	4.8	102.73	20.1	-0.1	20.1	10.4	9.72	2.069	Caution - Monitor Closely
2,250.0	2,249.7	2,249.5	2,249.5	4.8	4.9	107.59	20.4	-0.3	20.9	11.1	9.75	2.140	Caution - Monitor Closely
2,275.0	2,274.6	2,274.3	2,274.3	4.8	5.0	112.13	20.9	-0.5	22.0	12.2	9.78	2.247	Caution - Monitor Closely
2,300.0	2,299.5	2,299.1	2,299.1	4.9	5.0	116.22	21.6	-0.7	23.4	13.6	9.80	2.387	Caution - Monitor Closely
2,325.0	2,324.3	2,323.9	2,323.8	4.9	5.1	119.82	22.5	-1.1	25.1	15.3	9.85	2.552	Normal Operations
2,350.0	2,349.1	2,348.7	2,348.6	5.0	5.1	122.89	23.6	-1.5	27.2	17.3	9.90	2.743	Normal Operations
2,375.0	2,373.9	2,373.4	2,373.3	5.1	5.2	125.48	24.9	-2.1	29.5	19.5	9.97	2.955	Normal Operations
2,400.0	2,398.7	2,398.2	2,398.0	5.1	5.3	127.63	26.4	-2.7	32.0	22.0	10.04	3.188	
2,425.0	2,423.4	2,422.9	2,422.7	5.2	5.3	129.39	28.0	-3.3	34.8	24.7	10.12	3.436	
2,450.0	2,448.2	2,447.6	2,447.3	5.3	5.4	130.82	29.9	-4.1	37.8	27.6	10.21	3.700	
2,475.0	2,472.8	2,472.3	2,471.9	5.4	5.5	131.96	32.0	-4.9	41.0	30.7	10.31	3.979	
2,500.0	2,497.5	2,497.0	2,496.5	5.5	5.5	132.86	34.3	-5.9	44.4	34.0	10.40	4.272	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,525.0	2,522.1	2,521.7	2,521.0	5.5	5.6	133.56	36.7	-6.9	48.1	37.6	10.47	4.592	
2,550.0	2,546.6	2,546.3	2,545.4	5.6	5.6	134.09	39.4	-7.9	51.9	41.4	10.54	4.926	
2,575.0	2,571.1	2,570.9	2,569.9	5.7	5.6	134.57	42.2	-9.1	55.9	45.3	10.61	5.273	
2,600.0	2,595.6	2,595.6	2,594.4	5.7	5.7	135.10	44.9	-10.2	60.0	49.4	10.66	5.631	
2,625.0	2,620.1	2,620.2	2,618.8	5.8	5.7	135.57	47.7	-11.3	64.1	53.4	10.76	5.960	
2,650.0	2,644.6	2,644.9	2,643.3	5.9	5.8	135.98	50.5	-12.4	68.2	57.4	10.86	6.281	
2,675.0	2,669.1	2,669.6	2,667.8	5.9	5.8	136.34	53.3	-13.6	72.3	61.4	10.96	6.596	
2,700.0	2,693.6	2,694.2	2,692.3	6.0	5.9	136.66	56.1	-14.7	76.4	65.4	11.07	6.905	
2,725.0	2,718.1	2,718.9	2,716.7	6.1	6.0	136.95	58.9	-15.8	80.5	69.4	11.17	7.207	
2,750.0	2,742.6	2,743.5	2,741.2	6.2	6.0	137.22	61.7	-17.0	84.6	73.4	11.28	7.504	
2,775.0	2,767.1	2,768.2	2,765.7	6.3	6.1	137.46	64.5	-18.1	88.8	77.4	11.39	7.795	
2,800.0	2,791.6	2,792.8	2,790.2	6.4	6.1	137.67	67.2	-19.2	92.9	81.4	11.49	8.081	
2,825.0	2,816.1	2,817.5	2,814.6	6.4	6.2	137.87	70.0	-20.3	97.0	85.4	11.60	8.360	
2,850.0	2,840.6	2,842.2	2,839.1	6.5	6.3	138.05	72.8	-21.5	101.1	89.4	11.71	8.633	
2,875.0	2,865.1	2,866.8	2,863.6	6.6	6.3	138.22	75.6	-22.6	105.2	93.4	11.82	8.901	
2,900.0	2,889.6	2,891.5	2,888.0	6.7	6.4	138.38	78.4	-23.7	109.3	97.4	11.93	9.164	
2,925.0	2,914.1	2,916.1	2,912.5	6.8	6.5	138.52	81.2	-24.8	113.5	101.4	12.03	9.429	
2,950.0	2,938.6	2,940.8	2,937.1	6.9	6.5	138.69	83.9	-25.9	117.6	105.4	12.15	9.674	
2,975.0	2,963.1	2,965.6	2,961.6	7.0	6.6	138.90	86.5	-27.0	121.7	109.4	12.27	9.912	
3,000.0	2,987.6	2,990.3	2,986.2	7.1	6.7	139.14	89.1	-28.0	125.8	113.4	12.40	10.145	
3,025.0	3,012.1	3,015.0	3,010.8	7.2	6.8	139.42	91.5	-29.0	129.8	117.3	12.52	10.373	
3,050.0	3,036.6	3,039.7	3,035.3	7.2	6.8	139.72	93.8	-30.0	133.9	121.3	12.64	10.598	
3,075.0	3,061.1	3,064.4	3,059.9	7.3	6.9	140.05	96.1	-30.9	138.0	125.2	12.76	10.818	
3,100.0	3,085.6	3,089.1	3,084.5	7.4	7.0	140.41	98.2	-31.7	142.0	129.2	12.88	11.032	
3,125.0	3,110.1	3,113.8	3,109.1	7.5	7.1	140.79	100.3	-32.6	146.1	133.1	13.00	11.240	
3,150.0	3,134.6	3,138.5	3,133.7	7.6	7.1	141.18	102.2	-33.3	150.2	137.0	13.12	11.442	
3,175.0	3,159.1	3,163.2	3,158.3	7.7	7.2	141.60	104.1	-34.1	154.2	141.0	13.25	11.640	
3,200.0	3,183.6	3,187.9	3,182.9	7.8	7.3	142.04	105.8	-34.8	158.3	144.9	13.38	11.833	
3,225.0	3,208.1	3,212.5	3,207.6	7.9	7.3	142.49	107.4	-35.5	162.3	148.8	13.51	12.020	
3,250.0	3,232.6	3,237.2	3,232.2	8.0	7.4	142.95	109.0	-36.1	166.4	152.8	13.64	12.203	
3,275.0	3,257.1	3,261.9	3,256.8	8.1	7.5	143.43	110.4	-36.7	170.5	156.7	13.77	12.382	
3,300.0	3,281.6	3,286.5	3,281.4	8.2	7.6	143.92	111.8	-37.2	174.6	160.7	13.90	12.556	
3,325.0	3,306.1	3,311.1	3,306.0	8.3	7.6	144.42	113.0	-37.7	178.7	164.6	14.04	12.726	
3,350.0	3,330.6	3,335.7	3,330.5	8.4	7.7	144.94	114.2	-38.2	182.8	168.6	14.18	12.892	
3,375.0	3,355.1	3,360.4	3,355.1	8.5	7.8	145.46	115.2	-38.6	186.9	172.6	14.32	13.054	
3,400.0	3,379.6	3,384.9	3,379.7	8.6	7.8	146.00	116.2	-39.0	191.0	176.6	14.46	13.213	
3,425.0	3,404.1	3,409.5	3,404.2	8.7	7.9	146.54	117.1	-39.3	195.2	180.6	14.60	13.368	
3,450.0	3,428.6	3,434.1	3,428.8	8.8	8.0	147.09	117.8	-39.7	199.4	184.6	14.75	13.520	
3,475.0	3,453.1	3,458.6	3,453.3	8.9	8.0	147.64	118.5	-39.9	203.6	188.7	14.89	13.669	
3,500.0	3,477.6	3,483.1	3,477.8	9.0	8.1	148.21	119.0	-40.1	207.8	192.7	15.04	13.815	
3,525.0	3,502.1	3,507.6	3,502.3	9.1	8.1	148.77	119.5	-40.3	212.0	196.8	15.19	13.958	
3,550.0	3,526.6	3,532.1	3,526.8	9.2	8.2	149.35	119.9	-40.5	216.3	201.0	15.34	14.099	
3,575.0	3,551.1	3,556.6	3,551.2	9.3	8.3	149.93	120.1	-40.6	220.6	205.1	15.49	14.238	
3,600.0	3,575.6	3,581.0	3,575.7	9.4	8.3	150.51	120.3	-40.7	224.9	209.3	15.65	14.374	
3,625.0	3,600.1	3,605.4	3,600.1	9.5	8.4	151.10	120.4	-40.7	229.3	213.5	15.80	14.512	
3,650.0	3,624.6	3,629.9	3,624.6	9.6	8.4	151.68	120.4	-40.7	233.7	217.7	15.96	14.646	
3,675.0	3,649.1	3,654.4	3,649.1	9.8	8.4	152.25	120.4	-40.7	238.1	222.0	16.12	14.773	
3,700.0	3,673.6	3,678.9	3,673.6	9.9	8.4	152.80	120.4	-40.7	242.5	226.3	16.28	14.898	
3,725.0	3,698.1	3,703.4	3,698.1	10.0	8.5	153.32	120.4	-40.7	247.0	230.6	16.44	15.021	
3,750.0	3,722.6	3,727.9	3,722.6	10.1	8.5	153.83	120.4	-40.7	251.5	234.9	16.60	15.147	
3,775.0	3,747.1	3,752.4	3,747.1	10.2	8.5	154.32	120.4	-40.7	256.0	239.2	16.76	15.272	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,771.6	3,776.9	3,771.6	10.3	8.5	154.79	120.4	-40.7	260.5	243.6	16.92	15.396	
3,825.0	3,796.1	3,801.4	3,796.1	10.4	8.6	155.25	120.4	-40.7	265.0	248.0	17.08	15.517	
3,850.0	3,820.6	3,825.9	3,820.6	10.5	8.6	155.69	120.4	-40.7	269.6	252.3	17.24	15.637	
3,875.0	3,845.1	3,850.4	3,845.1	10.6	8.6	156.12	120.4	-40.7	274.2	256.8	17.40	15.756	
3,900.0	3,869.5	3,874.9	3,869.5	10.7	8.6	156.53	120.4	-40.7	278.7	261.2	17.56	15.873	
3,925.0	3,894.0	3,899.4	3,894.0	10.8	8.7	156.93	120.4	-40.7	283.3	265.6	17.72	15.988	
3,950.0	3,918.5	3,923.9	3,918.5	10.9	8.7	157.32	120.4	-40.7	287.9	270.0	17.88	16.102	
3,975.0	3,943.0	3,948.4	3,943.0	11.0	8.7	157.70	120.4	-40.7	292.5	274.5	18.04	16.215	
4,000.0	3,967.5	3,972.9	3,967.5	11.1	8.7	158.06	120.4	-40.7	297.2	279.0	18.20	16.327	
4,025.0	3,992.0	3,997.4	3,992.0	11.2	8.8	158.41	120.4	-40.7	301.8	283.5	18.36	16.437	
4,050.0	4,016.5	4,021.9	4,016.5	11.4	8.8	158.75	120.4	-40.7	306.5	287.9	18.52	16.545	
4,075.0	4,041.0	4,046.4	4,041.0	11.5	8.8	159.09	120.4	-40.7	311.1	292.5	18.68	16.652	
4,100.0	4,065.5	4,070.9	4,065.5	11.6	8.8	159.41	120.4	-40.7	315.8	297.0	18.84	16.759	
4,125.0	4,090.0	4,095.3	4,090.0	11.7	8.8	159.72	120.4	-40.7	320.5	301.5	19.01	16.863	
4,150.0	4,114.5	4,119.8	4,114.5	11.8	8.9	160.02	120.4	-40.7	325.2	306.0	19.17	16.966	
4,175.0	4,139.0	4,144.3	4,139.0	11.9	8.9	160.32	120.4	-40.7	329.9	310.6	19.33	17.068	
4,200.0	4,163.5	4,168.8	4,163.5	12.0	8.9	160.61	120.4	-40.7	334.6	315.1	19.49	17.169	
4,225.0	4,188.0	4,193.3	4,188.0	12.1	8.9	160.89	120.4	-40.7	339.3	319.7	19.65	17.268	
4,250.0	4,212.5	4,217.8	4,212.5	12.2	9.0	161.16	120.4	-40.7	344.0	324.2	19.81	17.366	
4,275.0	4,237.0	4,242.3	4,237.0	12.3	9.0	161.42	120.4	-40.7	348.8	328.8	19.97	17.463	
4,300.0	4,261.5	4,266.8	4,261.5	12.4	9.0	161.68	120.4	-40.7	353.5	333.4	20.13	17.558	
4,325.0	4,286.0	4,291.3	4,286.0	12.6	9.0	161.93	120.4	-40.7	358.2	337.9	20.29	17.652	
4,350.0	4,310.5	4,315.8	4,310.5	12.7	9.1	162.17	120.4	-40.7	363.0	342.5	20.46	17.746	
4,375.0	4,335.0	4,340.3	4,335.0	12.8	9.1	162.41	120.4	-40.7	367.7	347.1	20.62	17.838	
4,400.0	4,359.5	4,364.8	4,359.5	12.9	9.1	162.64	120.4	-40.7	372.5	351.7	20.78	17.929	
4,425.0	4,384.0	4,389.3	4,384.0	13.0	9.1	162.87	120.4	-40.7	377.3	356.3	20.94	18.018	
4,450.0	4,408.5	4,413.8	4,408.5	13.1	9.2	163.09	120.4	-40.7	382.0	360.9	21.10	18.107	
4,475.0	4,433.0	4,438.3	4,433.0	13.2	9.2	163.30	120.4	-40.7	386.8	365.6	21.26	18.194	
4,500.0	4,457.5	4,462.8	4,457.5	13.3	9.2	163.51	120.4	-40.7	391.6	370.2	21.42	18.281	
4,525.0	4,482.0	4,487.3	4,482.0	13.4	9.2	163.71	120.4	-40.7	396.4	374.8	21.58	18.366	
4,550.0	4,506.5	4,511.8	4,506.5	13.6	9.2	163.91	120.4	-40.7	401.2	379.4	21.75	18.450	
4,575.0	4,531.0	4,536.3	4,531.0	13.7	9.3	164.11	120.4	-40.7	406.0	384.1	21.91	18.533	
4,600.0	4,555.5	4,560.8	4,555.5	13.8	9.3	164.30	120.4	-40.7	410.8	388.7	22.07	18.615	
4,625.0	4,580.0	4,585.3	4,580.0	13.9	9.3	164.48	120.4	-40.7	415.6	393.4	22.23	18.696	
4,650.0	4,604.5	4,609.8	4,604.5	14.0	9.3	164.66	120.4	-40.7	420.4	398.0	22.39	18.776	
4,675.0	4,629.0	4,634.3	4,629.0	14.1	9.4	164.84	120.4	-40.7	425.2	402.7	22.55	18.855	
4,700.0	4,653.5	4,658.8	4,653.5	14.2	9.4	165.02	120.4	-40.7	430.0	407.3	22.71	18.933	
4,725.0	4,678.0	4,683.3	4,678.0	14.3	9.4	165.18	120.4	-40.7	434.9	412.0	22.88	19.010	
4,750.0	4,702.5	4,707.8	4,702.5	14.5	9.4	165.35	120.4	-40.7	439.7	416.7	23.04	19.086	
4,775.0	4,727.0	4,732.3	4,727.0	14.6	9.5	165.51	120.4	-40.7	444.5	421.3	23.20	19.162	
4,800.0	4,751.5	4,756.8	4,751.5	14.7	9.5	165.67	120.4	-40.7	449.4	426.0	23.36	19.236	
4,825.0	4,776.0	4,781.3	4,776.0	14.8	9.5	165.83	120.4	-40.7	454.2	430.7	23.52	19.309	
4,850.0	4,800.5	4,805.8	4,800.5	14.9	9.5	165.98	120.4	-40.7	459.0	435.4	23.68	19.382	
4,875.0	4,825.0	4,830.3	4,825.0	15.0	9.6	166.13	120.4	-40.7	463.9	440.0	23.85	19.454	
4,900.0	4,849.5	4,854.8	4,849.5	15.1	9.6	166.27	120.4	-40.7	468.7	444.7	24.01	19.524	
4,925.0	4,874.0	4,879.3	4,874.0	15.2	9.6	166.42	120.4	-40.7	473.6	449.4	24.17	19.594	
4,950.0	4,898.5	4,903.8	4,898.5	15.4	9.6	166.56	120.4	-40.7	478.4	454.1	24.33	19.663	
4,975.0	4,923.0	4,928.3	4,923.0	15.5	9.6	166.69	120.4	-40.7	483.3	458.8	24.49	19.732	
5,000.0	4,947.5	4,952.8	4,947.5	15.6	9.7	166.83	120.4	-40.7	488.1	463.5	24.65	19.799	
5,025.0	4,972.0	4,977.3	4,972.0	15.7	9.7	166.96	120.4	-40.7	493.0	468.2	24.82	19.866	
5,050.0	4,996.5	5,001.8	4,996.5	15.8	9.7	167.09	120.4	-40.7	497.9	472.9	24.98	19.931	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,021.0	5,026.3	5,021.0	15.9	9.7	167.22	120.4	-40.7	502.7	477.6	25.14	19.997	
5,100.0	5,045.5	5,050.8	5,045.5	16.0	9.8	167.34	120.4	-40.7	507.6	482.3	25.30	20.061	
5,125.0	5,070.0	5,075.3	5,070.0	16.1	9.8	167.46	120.4	-40.7	512.5	487.0	25.46	20.124	
5,150.0	5,094.5	5,099.8	5,094.5	16.3	9.8	167.58	120.4	-40.7	517.3	491.7	25.63	20.187	
5,175.0	5,119.0	5,124.3	5,119.0	16.4	9.8	167.70	120.4	-40.7	522.2	496.4	25.79	20.249	
5,200.0	5,143.5	5,148.8	5,143.5	16.5	9.9	167.82	120.4	-40.7	527.1	501.1	25.95	20.311	
5,225.0	5,168.0	5,173.3	5,168.0	16.6	9.9	167.93	120.4	-40.7	532.0	505.8	26.11	20.371	
5,250.0	5,192.4	5,197.8	5,192.4	16.7	9.9	168.04	120.4	-40.7	536.8	510.6	26.27	20.431	
5,275.0	5,216.9	5,222.3	5,216.9	16.8	9.9	168.15	120.4	-40.7	541.7	515.3	26.44	20.491	
5,300.0	5,241.4	5,246.8	5,241.4	16.9	9.9	168.26	120.4	-40.7	546.6	520.0	26.60	20.549	
5,325.0	5,265.9	5,271.3	5,265.9	17.1	10.0	168.36	120.4	-40.7	551.5	524.7	26.76	20.607	
5,350.0	5,290.4	5,295.8	5,290.4	17.2	10.0	168.46	120.4	-40.7	556.4	529.4	26.92	20.664	
5,375.0	5,314.9	5,320.3	5,314.9	17.3	10.0	168.57	120.4	-40.7	561.3	534.2	27.09	20.721	
5,400.0	5,339.4	5,344.8	5,339.4	17.4	10.0	168.67	120.4	-40.7	566.1	538.9	27.25	20.777	
5,425.0	5,363.9	5,369.3	5,363.9	17.5	10.1	168.76	120.4	-40.7	571.0	543.6	27.41	20.833	
5,450.0	5,388.4	5,393.8	5,388.4	17.6	10.1	168.86	120.4	-40.7	575.9	548.4	27.57	20.888	
5,475.0	5,412.9	5,418.2	5,412.9	17.7	10.1	168.96	120.4	-40.7	580.8	553.1	27.73	20.942	
5,498.0	5,435.5	5,440.8	5,435.5	17.8	10.1	169.04	120.4	-40.7	585.3	557.4	27.88	20.992	
5,500.0	5,437.4	5,442.7	5,437.4	17.8	10.1	169.05	120.4	-40.7	585.7	557.8	27.90	20.997	
5,525.0	5,461.9	5,467.3	5,461.9	18.0	10.2	169.15	120.4	-40.7	590.5	562.4	28.10	21.013	
5,550.0	5,486.5	5,491.8	5,486.5	18.1	10.2	169.25	120.4	-40.7	595.2	566.9	28.31	21.023	
5,575.0	5,511.1	5,516.4	5,511.1	18.3	10.2	169.35	120.4	-40.7	599.7	571.1	28.52	21.028	
5,600.0	5,535.7	5,541.0	5,535.7	18.4	10.2	169.44	120.4	-40.7	604.0	575.3	28.72	21.027	
5,625.0	5,560.3	5,565.6	5,560.3	18.6	10.2	169.52	120.4	-40.7	608.2	579.3	28.88	21.057	
5,650.0	5,585.0	5,590.3	5,585.0	18.7	10.3	169.60	120.4	-40.7	612.2	583.2	29.04	21.081	
5,675.0	5,609.7	5,615.0	5,609.7	18.8	10.3	169.68	120.4	-40.7	616.1	586.9	29.20	21.100	
5,700.0	5,634.4	5,639.7	5,634.4	18.9	10.3	169.75	120.4	-40.7	619.8	590.4	29.35	21.113	
5,725.0	5,659.1	5,664.4	5,659.1	19.0	10.3	169.82	120.4	-40.7	623.3	593.8	29.51	21.125	
5,750.0	5,683.9	5,689.2	5,683.9	19.1	10.4	169.88	120.4	-40.7	626.7	597.0	29.66	21.130	
5,775.0	5,708.7	5,714.0	5,708.7	19.2	10.4	169.94	120.4	-40.7	629.9	600.1	29.81	21.131	
5,800.0	5,733.5	5,738.8	5,733.5	19.3	10.4	170.00	120.4	-40.7	633.0	603.0	29.96	21.126	
5,825.0	5,758.3	5,763.6	5,758.3	19.4	10.4	170.06	120.4	-40.7	635.9	605.8	30.11	21.121	
5,850.0	5,783.1	5,788.5	5,783.1	19.5	10.5	170.11	120.4	-40.7	638.7	608.4	30.25	21.110	
5,875.0	5,808.0	5,813.3	5,808.0	19.6	10.5	170.15	120.4	-40.7	641.2	610.8	30.40	21.094	
5,900.0	5,832.9	5,838.2	5,832.9	19.7	10.5	170.20	120.4	-40.7	643.7	613.1	30.54	21.073	
5,925.0	5,857.8	5,863.1	5,857.8	19.8	10.5	170.24	120.4	-40.7	645.9	615.3	30.68	21.052	
5,950.0	5,882.7	5,888.0	5,882.7	19.9	10.5	170.27	120.4	-40.7	648.0	617.2	30.82	21.027	
5,975.0	5,907.6	5,912.9	5,907.6	20.0	10.6	170.31	120.4	-40.7	650.0	619.0	30.96	20.996	
6,000.0	5,932.5	5,937.9	5,932.5	20.1	10.6	170.34	120.4	-40.7	651.8	620.7	31.10	20.961	
6,025.0	5,957.5	5,962.8	5,957.5	20.2	10.6	170.37	120.4	-40.7	653.4	622.2	31.22	20.927	
6,050.0	5,982.4	5,987.8	5,982.4	20.3	10.6	170.39	120.4	-40.7	654.9	623.5	31.35	20.889	
6,075.0	6,007.4	6,012.7	6,007.4	20.4	10.7	170.42	120.4	-40.7	656.2	624.7	31.48	20.846	
6,100.0	6,032.4	6,037.7	6,032.4	20.5	10.7	170.44	120.4	-40.7	657.3	625.7	31.60	20.798	
6,125.0	6,057.4	6,062.7	6,057.4	20.5	10.7	170.45	120.4	-40.7	658.3	626.6	31.72	20.756	
6,150.0	6,082.4	6,087.7	6,082.4	20.6	10.7	170.47	120.4	-40.7	659.1	627.3	31.83	20.708	
6,175.0	6,107.3	6,112.7	6,107.3	20.7	10.8	170.48	120.4	-40.7	659.8	627.8	31.94	20.656	
6,200.0	6,132.3	6,137.7	6,132.3	20.8	10.8	170.49	120.4	-40.7	660.3	628.2	32.05	20.600	
6,225.0	6,157.3	6,162.7	6,157.3	20.8	10.8	170.49	120.4	-40.7	660.6	628.5	32.11	20.573	
6,250.0	6,182.3	6,187.7	6,182.3	20.8	10.8	170.50	120.4	-40.7	660.8	628.6	32.17	20.541	
6,264.7	6,197.0	6,202.3	6,197.0	20.9	10.8	92.67	120.4	-40.7	660.8	628.6	32.20	20.520	
6,275.0	6,207.3	6,212.7	6,207.3	20.9	10.9	92.67	120.4	-40.7	660.8	628.6	32.21	20.515	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,300.0	6,232.3	6,237.7	6,232.3	20.9	10.9	92.67	120.4	-40.7	660.8	628.6	32.23	20.503	
6,325.0	6,257.3	6,262.7	6,257.3	20.9	10.9	92.67	120.4	-40.7	660.8	628.6	32.26	20.485	
6,350.0	6,282.3	6,287.7	6,282.3	20.9	10.9	92.67	120.4	-40.7	660.8	628.5	32.29	20.468	
6,375.0	6,307.3	6,312.7	6,307.3	20.9	10.9	92.67	120.4	-40.7	660.8	628.5	32.31	20.451	
6,400.0	6,332.3	6,337.7	6,332.3	20.9	11.0	92.67	120.4	-40.7	660.8	628.5	32.34	20.433	
6,425.0	6,357.3	6,362.7	6,357.3	20.9	11.0	92.67	120.4	-40.7	660.8	628.5	32.37	20.416	
6,450.0	6,382.3	6,387.7	6,382.3	20.9	11.0	92.67	120.4	-40.7	660.8	628.4	32.39	20.399	
6,475.0	6,407.3	6,412.7	6,407.3	20.9	11.0	92.67	120.4	-40.7	660.8	628.4	32.42	20.381	
6,500.0	6,432.3	6,437.7	6,432.3	20.9	11.1	92.67	120.4	-40.7	660.8	628.4	32.45	20.364	
6,525.0	6,457.3	6,462.7	6,457.3	21.0	11.1	92.67	120.4	-40.7	660.8	628.3	32.48	20.347	
6,550.0	6,482.3	6,487.7	6,482.3	21.0	11.1	92.67	120.4	-40.7	660.8	628.3	32.51	20.330	
6,575.0	6,507.3	6,512.7	6,507.3	21.0	11.1	92.67	120.4	-40.7	660.8	628.3	32.53	20.312	
6,600.0	6,532.3	6,537.7	6,532.3	21.0	11.1	92.67	120.4	-40.7	660.8	628.3	32.56	20.295	
6,625.0	6,557.3	6,562.7	6,557.3	21.0	11.2	92.67	120.4	-40.7	660.8	628.2	32.59	20.278	
6,650.0	6,582.3	6,587.7	6,582.3	21.0	11.2	92.67	120.4	-40.7	660.8	628.2	32.62	20.261	
6,675.0	6,607.3	6,612.7	6,607.3	21.0	11.2	92.67	120.4	-40.7	660.8	628.2	32.64	20.244	
6,700.0	6,632.3	6,637.7	6,632.3	21.0	11.2	92.67	120.4	-40.7	660.8	628.1	32.67	20.226	
6,725.0	6,657.3	6,662.7	6,657.3	21.0	11.3	92.67	120.4	-40.7	660.8	628.1	32.70	20.209	
6,750.0	6,682.3	6,687.7	6,682.3	21.0	11.3	92.67	120.4	-40.7	660.8	628.1	32.73	20.192	
6,775.0	6,707.3	6,712.7	6,707.3	21.1	11.3	92.67	120.4	-40.7	660.8	628.1	32.75	20.175	
6,800.0	6,732.3	6,737.7	6,732.3	21.1	11.3	92.67	120.4	-40.7	660.8	628.0	32.78	20.158	
6,825.0	6,757.3	6,762.7	6,757.3	21.1	11.4	92.67	120.4	-40.7	660.8	628.0	32.81	20.141	
6,850.0	6,782.3	6,787.7	6,782.3	21.1	11.4	92.67	120.4	-40.7	660.8	628.0	32.84	20.123	
6,875.0	6,807.3	6,812.7	6,807.3	21.1	11.4	92.67	120.4	-40.7	660.8	628.0	32.87	20.106	
6,900.0	6,832.3	6,837.7	6,832.3	21.1	11.4	92.67	120.4	-40.7	660.8	627.9	32.89	20.089	
6,925.0	6,857.3	6,862.7	6,857.3	21.1	11.4	92.67	120.4	-40.7	660.8	627.9	32.92	20.072	
6,950.0	6,882.3	6,887.7	6,882.3	21.1	11.5	92.67	120.4	-40.7	660.8	627.9	32.95	20.055	
6,975.0	6,907.3	6,912.7	6,907.3	21.1	11.5	92.67	120.4	-40.7	660.8	627.8	32.98	20.038	
7,000.0	6,932.3	6,937.7	6,932.3	21.1	11.5	92.67	120.4	-40.7	660.8	627.8	33.01	20.021	
7,025.0	6,957.3	6,962.7	6,957.3	21.2	11.5	92.67	120.4	-40.7	660.8	627.8	33.03	20.004	
7,050.0	6,982.3	6,987.7	6,982.3	21.2	11.6	92.67	120.4	-40.7	660.8	627.8	33.06	19.987	
7,075.0	7,007.3	7,012.7	7,007.3	21.2	11.6	92.67	120.4	-40.7	660.8	627.7	33.09	19.970	
7,100.0	7,032.3	7,037.7	7,032.3	21.2	11.6	92.67	120.4	-40.7	660.8	627.7	33.12	19.953	
7,125.0	7,057.3	7,062.7	7,057.3	21.2	11.6	92.67	120.4	-40.7	660.8	627.7	33.15	19.936	
7,150.0	7,082.3	7,087.7	7,082.3	21.2	11.7	92.67	120.4	-40.7	660.8	627.6	33.17	19.919	
7,175.0	7,107.3	7,112.7	7,107.3	21.2	11.7	92.67	120.4	-40.7	660.8	627.6	33.20	19.902	
7,200.0	7,132.3	7,137.7	7,132.3	21.2	11.7	92.67	120.4	-40.7	660.8	627.6	33.23	19.885	
7,225.0	7,157.3	7,162.7	7,157.3	21.2	11.7	92.67	120.4	-40.7	660.8	627.6	33.26	19.868	
7,250.0	7,182.3	7,187.7	7,182.3	21.2	11.7	92.67	120.4	-40.7	660.8	627.5	33.29	19.852	
7,275.0	7,207.3	7,212.7	7,207.3	21.3	11.8	92.67	120.4	-40.7	660.8	627.5	33.32	19.835	
7,300.0	7,232.3	7,237.7	7,232.3	21.3	11.8	92.67	120.4	-40.7	660.8	627.5	33.34	19.818	
7,325.0	7,257.3	7,262.7	7,257.3	21.3	11.8	92.67	120.4	-40.7	660.8	627.4	33.37	19.801	
7,350.0	7,282.3	7,287.7	7,282.3	21.3	11.8	92.67	120.4	-40.7	660.8	627.4	33.40	19.784	
7,375.0	7,307.3	7,312.7	7,307.3	21.3	11.9	92.67	120.4	-40.7	660.8	627.4	33.43	19.767	
7,400.0	7,332.3	7,337.7	7,332.3	21.3	11.9	92.67	120.4	-40.7	660.8	627.4	33.46	19.750	
7,425.0	7,357.3	7,362.7	7,357.3	21.3	11.9	92.67	120.4	-40.7	660.8	627.3	33.49	19.734	
7,450.0	7,382.3	7,387.7	7,382.3	21.3	11.9	92.67	120.4	-40.7	660.8	627.3	33.52	19.717	
7,475.0	7,407.3	7,412.7	7,407.3	21.3	11.9	92.67	120.4	-40.7	660.8	627.3	33.54	19.700	
7,500.0	7,432.3	7,437.7	7,432.3	21.3	12.0	92.67	120.4	-40.7	660.8	627.2	33.57	19.683	
7,525.0	7,457.3	7,462.7	7,457.3	21.4	12.0	92.67	120.4	-40.7	660.8	627.2	33.60	19.667	
7,550.0	7,482.3	7,487.7	7,482.3	21.4	12.0	92.67	120.4	-40.7	660.8	627.2	33.63	19.650	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,575.0	7,507.3	7,512.7	7,507.3	21.4	12.0	92.67	120.4	-40.7	660.8	627.2	33.66	19.633	
7,600.0	7,532.3	7,537.7	7,532.3	21.4	12.1	92.67	120.4	-40.7	660.8	627.1	33.69	19.617	
7,625.0	7,557.3	7,562.7	7,557.3	21.4	12.1	92.67	120.4	-40.7	660.8	627.1	33.72	19.600	
7,650.0	7,582.3	7,587.7	7,582.3	21.4	12.1	92.67	120.4	-40.7	660.8	627.1	33.74	19.583	
7,675.0	7,607.3	7,612.7	7,607.3	21.4	12.1	92.67	120.4	-40.7	660.8	627.0	33.77	19.566	
7,700.0	7,632.3	7,637.7	7,632.3	21.4	12.2	92.67	120.4	-40.7	660.8	627.0	33.80	19.550	
7,725.0	7,657.3	7,662.7	7,657.3	21.4	12.2	92.67	120.4	-40.7	660.8	627.0	33.83	19.533	
7,750.0	7,682.3	7,687.7	7,682.3	21.4	12.2	92.67	120.4	-40.7	660.8	627.0	33.86	19.517	
7,775.0	7,707.3	7,712.7	7,707.3	21.5	12.2	92.67	120.4	-40.7	660.8	626.9	33.89	19.500	
7,800.0	7,732.3	7,737.7	7,732.3	21.5	12.2	92.67	120.4	-40.7	660.8	626.9	33.92	19.483	
7,825.0	7,757.3	7,762.7	7,757.3	21.5	12.3	92.67	120.4	-40.7	660.8	626.9	33.95	19.467	
7,850.0	7,782.3	7,787.7	7,782.3	21.5	12.3	92.67	120.4	-40.7	660.8	626.8	33.97	19.450	
7,875.0	7,807.3	7,812.7	7,807.3	21.5	12.3	92.67	120.4	-40.7	660.8	626.8	34.00	19.434	
7,900.0	7,832.3	7,837.7	7,832.3	21.5	12.3	92.67	120.4	-40.7	660.8	626.8	34.03	19.417	
7,925.0	7,857.3	7,862.7	7,857.3	21.5	12.4	92.67	120.4	-40.7	660.8	626.8	34.06	19.401	
7,950.0	7,882.3	7,887.7	7,882.3	21.5	12.4	92.67	120.4	-40.7	660.8	626.7	34.09	19.384	
7,975.0	7,907.3	7,912.7	7,907.3	21.5	12.4	92.67	120.4	-40.7	660.8	626.7	34.12	19.368	
8,000.0	7,932.3	7,937.7	7,932.3	21.6	12.4	92.67	120.4	-40.7	660.8	626.7	34.15	19.351	
8,025.0	7,957.3	7,962.7	7,957.3	21.6	12.4	92.67	120.4	-40.7	660.8	626.6	34.18	19.335	
8,050.0	7,982.3	7,987.7	7,982.3	21.6	12.5	92.67	120.4	-40.7	660.8	626.6	34.21	19.318	
8,075.0	8,007.3	8,012.7	8,007.3	21.6	12.5	92.67	120.4	-40.7	660.8	626.6	34.24	19.302	
8,100.0	8,032.3	8,037.7	8,032.3	21.6	12.5	92.67	120.4	-40.7	660.8	626.6	34.26	19.286	
8,125.0	8,057.3	8,062.7	8,057.3	21.6	12.5	92.67	120.4	-40.7	660.8	626.5	34.29	19.269	
8,150.0	8,082.3	8,087.7	8,082.3	21.6	12.6	92.67	120.4	-40.7	660.8	626.5	34.32	19.253	
8,175.0	8,107.3	8,112.7	8,107.3	21.6	12.6	92.67	120.4	-40.7	660.8	626.5	34.35	19.237	
8,200.0	8,132.3	8,137.7	8,132.3	21.6	12.6	92.67	120.4	-40.7	660.8	626.4	34.38	19.220	
8,225.0	8,157.3	8,162.7	8,157.3	21.6	12.6	92.67	120.4	-40.7	660.8	626.4	34.41	19.204	
8,250.0	8,182.3	8,187.7	8,182.3	21.7	12.6	92.67	120.4	-40.7	660.8	626.4	34.44	19.188	
8,275.0	8,207.3	8,212.7	8,207.3	21.7	12.7	92.67	120.4	-40.7	660.8	626.3	34.47	19.171	
8,300.0	8,232.3	8,237.7	8,232.3	21.7	12.7	92.67	120.4	-40.7	660.8	626.3	34.50	19.155	
8,325.0	8,257.3	8,262.7	8,257.3	21.7	12.7	92.67	120.4	-40.7	660.8	626.3	34.53	19.139	
8,350.0	8,282.3	8,287.7	8,282.3	21.7	12.7	92.67	120.4	-40.7	660.8	626.3	34.56	19.122	
8,375.0	8,307.3	8,312.7	8,307.3	21.7	12.8	92.67	120.4	-40.7	660.8	626.2	34.59	19.106	
8,400.0	8,332.3	8,337.7	8,332.3	21.7	12.8	92.67	120.4	-40.7	660.8	626.2	34.62	19.090	
8,425.0	8,357.3	8,362.7	8,357.3	21.7	12.8	92.67	120.4	-40.7	660.8	626.2	34.65	19.074	
8,450.0	8,382.3	8,387.7	8,382.3	21.7	12.8	92.67	120.4	-40.7	660.8	626.1	34.67	19.058	
8,475.0	8,407.3	8,412.7	8,407.3	21.8	12.8	92.67	120.4	-40.7	660.8	626.1	34.70	19.041	
8,500.0	8,432.3	8,437.7	8,432.3	21.8	12.9	92.67	120.4	-40.7	660.8	626.1	34.73	19.025	
8,525.0	8,457.3	8,462.7	8,457.3	21.8	12.9	92.67	120.4	-40.7	660.8	626.1	34.76	19.009	
8,550.0	8,482.3	8,487.7	8,482.3	21.8	12.9	92.67	120.4	-40.7	660.8	626.0	34.79	18.993	
8,575.0	8,507.3	8,512.7	8,507.3	21.8	12.9	92.67	120.4	-40.7	660.8	626.0	34.82	18.977	
8,600.0	8,532.3	8,537.7	8,532.3	21.8	13.0	92.67	120.4	-40.7	660.8	626.0	34.85	18.961	
8,625.0	8,557.3	8,562.7	8,557.3	21.8	13.0	92.67	120.4	-40.7	660.8	625.9	34.88	18.945	
8,650.0	8,582.3	8,587.7	8,582.3	21.8	13.0	92.67	120.4	-40.7	660.8	625.9	34.91	18.929	
8,675.0	8,607.3	8,612.7	8,607.3	21.8	13.0	92.67	120.4	-40.7	660.8	625.9	34.94	18.913	
8,700.0	8,632.3	8,637.7	8,632.3	21.9	13.0	92.67	120.4	-40.7	660.8	625.8	34.97	18.897	
8,725.0	8,657.3	8,662.7	8,657.3	21.9	13.1	92.67	120.4	-40.7	660.8	625.8	35.00	18.881	
8,750.0	8,682.3	8,687.7	8,682.3	21.9	13.1	92.67	120.4	-40.7	660.8	625.8	35.03	18.865	
8,775.0	8,707.3	8,712.7	8,707.3	21.9	13.1	92.67	120.4	-40.7	660.8	625.8	35.06	18.849	
8,800.0	8,732.3	8,737.7	8,732.3	21.9	13.1	92.67	120.4	-40.7	660.8	625.7	35.09	18.833	
8,825.0	8,757.3	8,762.7	8,757.3	21.9	13.2	92.67	120.4	-40.7	660.8	625.7	35.12	18.817	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,850.0	8,782.3	8,787.7	8,782.3	21.9	13.2	92.67	120.4	-40.7	660.8	625.7	35.15	18.801	
8,875.0	8,807.3	8,812.7	8,807.3	21.9	13.2	92.67	120.4	-40.7	660.8	625.6	35.18	18.785	
8,900.0	8,832.3	8,837.7	8,832.3	21.9	13.2	92.67	120.4	-40.7	660.8	625.6	35.21	18.769	
8,925.0	8,857.3	8,862.7	8,857.3	21.9	13.2	92.67	120.4	-40.7	660.8	625.6	35.24	18.753	
8,950.0	8,882.3	8,887.7	8,882.3	22.0	13.3	92.67	120.4	-40.7	660.8	625.6	35.27	18.737	
8,975.0	8,907.3	8,912.7	8,907.3	22.0	13.3	92.67	120.4	-40.7	660.8	625.5	35.30	18.721	
9,000.0	8,932.3	8,937.7	8,932.3	22.0	13.3	92.67	120.4	-40.7	660.8	625.5	35.33	18.705	
9,025.0	8,957.3	8,962.7	8,957.3	22.0	13.3	92.67	120.4	-40.7	660.8	625.5	35.36	18.690	
9,050.0	8,982.3	8,987.7	8,982.3	22.0	13.4	92.67	120.4	-40.7	660.8	625.4	35.39	18.674	
9,075.0	9,007.3	9,012.7	9,007.3	22.0	13.4	92.67	120.4	-40.7	660.8	625.4	35.42	18.658	
9,100.0	9,032.3	9,037.7	9,032.3	22.0	13.4	92.67	120.4	-40.7	660.8	625.4	35.45	18.642	
9,125.0	9,057.3	9,062.7	9,057.3	22.0	13.4	92.67	120.4	-40.7	660.8	625.3	35.47	18.630	
9,150.0	9,082.3	9,087.7	9,082.3	22.0	13.4	92.67	120.4	-40.7	660.8	625.3	35.49	18.618	
9,161.2	9,093.6	9,098.9	9,093.6	22.0	13.5	92.67	120.4	-40.7	660.8	625.3	35.50	18.612	
9,175.0	9,107.3	9,112.6	9,107.3	22.0	13.5	92.75	120.4	-40.7	660.8	625.3	35.52	18.607	
9,200.0	9,132.3	9,137.6	9,132.3	22.0	13.5	92.86	120.4	-40.7	660.9	625.4	35.54	18.594	
9,225.0	9,157.1	9,162.5	9,157.1	22.0	13.5	93.08	120.4	-40.7	661.0	625.5	35.58	18.581	
9,250.0	9,181.8	9,187.1	9,181.8	22.0	13.5	93.39	120.4	-40.7	661.3	625.6	35.62	18.567	
9,275.0	9,206.3	9,211.6	9,206.3	22.1	13.6	93.80	120.4	-40.7	661.6	625.9	35.66	18.554	
9,300.0	9,230.4	9,235.7	9,230.4	22.1	13.6	94.28	120.4	-40.7	662.1	626.4	35.71	18.543	
9,325.0	9,254.1	9,259.5	9,254.1	22.1	13.6	94.84	120.4	-40.7	662.7	627.0	35.76	18.535	
9,350.0	9,277.5	9,282.8	9,277.5	22.1	13.6	95.46	120.4	-40.7	663.6	627.8	35.81	18.531	
9,375.0	9,300.3	9,306.3	9,301.0	22.1	13.6	96.15	120.4	-40.7	664.7	628.9	35.87	18.533	
9,400.0	9,322.5	9,333.8	9,328.5	22.1	13.6	96.99	121.5	-40.7	666.1	630.1	35.94	18.534	
9,425.0	9,344.1	9,362.1	9,356.7	22.1	13.6	97.82	124.2	-40.7	667.5	631.5	36.01	18.537	
9,450.0	9,365.0	9,391.4	9,385.5	22.1	13.7	98.65	128.8	-40.7	669.1	633.1	36.08	18.544	
9,475.0	9,385.2	9,421.5	9,414.9	22.1	13.7	99.47	135.3	-40.7	670.9	634.7	36.16	18.552	
9,500.0	9,404.6	9,452.7	9,444.9	22.1	13.7	100.28	144.0	-40.7	672.7	636.4	36.24	18.562	
9,525.0	9,423.1	9,484.9	9,475.1	22.1	13.7	101.07	155.1	-40.7	674.5	638.2	36.32	18.572	
9,550.0	9,440.8	9,518.2	9,505.6	22.1	13.7	101.85	168.6	-40.8	676.5	640.1	36.40	18.583	
9,575.0	9,457.4	9,552.7	9,536.0	22.1	13.8	102.61	184.8	-40.8	678.4	641.9	36.49	18.593	
9,600.0	9,473.1	9,588.4	9,566.2	22.1	13.8	103.33	203.8	-40.8	680.3	643.7	36.57	18.601	
9,625.0	9,487.8	9,625.2	9,595.7	22.1	13.8	104.03	225.8	-40.8	682.2	645.5	36.66	18.608	
9,650.0	9,501.3	9,663.2	9,624.4	22.1	13.8	104.68	250.7	-40.9	684.0	647.2	36.75	18.612	
9,675.0	9,513.8	9,702.4	9,651.7	22.2	13.9	105.28	278.8	-40.9	685.6	648.8	36.84	18.613	
9,700.0	9,525.1	9,742.7	9,677.4	22.2	13.9	105.81	309.8	-40.9	687.1	650.2	36.92	18.610	
9,725.0	9,535.2	9,784.0	9,700.8	22.2	13.9	106.28	343.8	-41.0	688.4	651.4	37.00	18.605	
9,750.0	9,544.1	9,826.1	9,721.6	22.2	14.0	106.67	380.4	-41.0	689.5	652.5	37.08	18.596	
9,775.0	9,551.7	9,869.0	9,739.4	22.2	14.0	106.97	419.4	-41.0	690.4	653.2	37.15	18.583	
9,800.0	9,558.1	9,912.4	9,753.8	22.3	14.0	107.17	460.4	-41.1	691.0	653.8	37.21	18.568	
9,825.0	9,563.3	9,956.2	9,764.5	22.3	14.0	107.28	502.8	-41.1	691.3	654.0	37.26	18.550	
9,850.0	9,567.1	10,000.0	9,771.2	22.3	14.1	107.28	546.1	-41.2	691.3	654.0	37.31	18.529	
9,875.0	9,569.6	10,043.8	9,773.9	22.3	14.1	107.17	589.8	-41.2	691.0	653.6	37.34	18.504	
9,900.0	9,570.9	10,070.6	9,774.2	22.4	14.1	107.12	616.5	-41.3	690.7	653.2	37.42	18.458	
9,907.3	9,571.0	10,077.9	9,774.2	22.4	14.1	107.12	623.9	-41.3	690.6	653.2	37.44	18.445	
9,907.4	9,571.0	10,077.9	9,774.2	22.4	14.1	107.12	623.9	-41.3	690.6	653.2	37.44	18.445	
9,925.0	9,571.1	10,095.6	9,774.4	22.4	14.1	107.12	641.5	-41.3	690.6	653.1	37.51	18.412	
9,950.0	9,571.3	10,120.6	9,774.6	22.4	14.1	107.12	666.5	-41.3	690.6	653.0	37.61	18.362	
9,975.0	9,571.5	10,145.6	9,774.8	22.5	14.1	107.12	691.5	-41.4	690.6	652.9	37.72	18.312	
10,000.0	9,571.7	10,170.6	9,775.0	22.5	14.2	107.12	716.5	-41.4	690.7	652.8	37.82	18.262	
10,025.0	9,571.9	10,195.6	9,775.2	22.6	14.2	107.12	741.5	-41.4	690.7	652.7	37.93	18.207	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
10,050.0	9,572.1	10,220.6	9,775.4	22.6	14.2	107.12	766.5	-41.5	690.7	652.6	38.05	18.150	
10,075.0	9,572.3	10,245.6	9,775.6	22.7	14.2	107.12	791.5	-41.5	690.7	652.5	38.17	18.093	
10,100.0	9,572.5	10,270.6	9,775.8	22.7	14.3	107.12	816.5	-41.5	690.7	652.4	38.29	18.036	
10,125.0	9,572.7	10,295.6	9,776.0	22.8	14.3	107.12	841.5	-41.5	690.7	652.2	38.42	17.975	
10,150.0	9,572.9	10,320.6	9,776.2	22.8	14.4	107.12	866.5	-41.6	690.7	652.1	38.56	17.912	
10,175.0	9,573.2	10,345.6	9,776.4	22.9	14.4	107.12	891.5	-41.6	690.7	652.0	38.69	17.849	
10,200.0	9,573.4	10,370.6	9,776.6	22.9	14.5	107.12	916.5	-41.6	690.7	651.8	38.83	17.787	
10,225.0	9,573.6	10,395.6	9,776.9	23.0	14.6	107.12	941.5	-41.7	690.7	651.7	38.98	17.720	
10,250.0	9,573.8	10,420.6	9,777.1	23.1	14.7	107.12	966.5	-41.7	690.7	651.5	39.13	17.652	
10,275.0	9,574.0	10,445.6	9,777.3	23.1	14.8	107.12	991.5	-41.7	690.7	651.4	39.28	17.584	
10,300.0	9,574.2	10,470.6	9,777.5	23.2	14.9	107.12	1,016.5	-41.7	690.7	651.2	39.43	17.517	
10,325.0	9,574.4	10,495.6	9,777.7	23.3	15.0	107.12	1,041.5	-41.8	690.7	651.1	39.59	17.446	
10,350.0	9,574.6	10,520.6	9,777.9	23.3	15.1	107.12	1,066.5	-41.8	690.7	650.9	39.75	17.374	
10,375.0	9,574.8	10,545.6	9,778.1	23.4	15.2	107.12	1,091.5	-41.8	690.7	650.7	39.92	17.301	
10,400.0	9,575.0	10,570.6	9,778.3	23.5	15.3	107.12	1,116.5	-41.9	690.7	650.6	40.09	17.229	
10,425.0	9,575.2	10,595.6	9,778.5	23.6	15.4	107.12	1,141.5	-41.9	690.7	650.4	40.26	17.155	
10,450.0	9,575.4	10,620.6	9,778.7	23.6	15.6	107.12	1,166.5	-41.9	690.7	650.2	40.44	17.079	
10,475.0	9,575.6	10,645.6	9,778.9	23.7	15.7	107.12	1,191.5	-41.9	690.7	650.1	40.62	17.004	
10,500.0	9,575.8	10,670.6	9,779.1	23.8	15.8	107.12	1,216.5	-42.0	690.7	649.9	40.80	16.928	
10,525.0	9,576.0	10,695.6	9,779.3	23.9	15.9	107.12	1,241.5	-42.0	690.7	649.7	40.99	16.851	
10,550.0	9,576.2	10,720.6	9,779.5	24.0	16.1	107.12	1,266.5	-42.0	690.7	649.5	41.18	16.772	
10,575.0	9,576.4	10,745.6	9,779.7	24.0	16.2	107.12	1,291.5	-42.1	690.7	649.3	41.37	16.694	
10,600.0	9,576.6	10,770.6	9,779.9	24.1	16.3	107.13	1,316.5	-42.1	690.7	649.1	41.57	16.617	
10,625.0	9,576.8	10,795.6	9,780.1	24.2	16.5	107.13	1,341.5	-42.1	690.7	648.9	41.77	16.537	
10,650.0	9,577.0	10,820.6	9,780.3	24.3	16.6	107.13	1,366.5	-42.2	690.7	648.7	41.97	16.456	
10,675.0	9,577.2	10,845.6	9,780.6	24.4	16.8	107.13	1,391.5	-42.2	690.7	648.5	42.18	16.376	
10,700.0	9,577.4	10,870.6	9,780.8	24.5	16.9	107.13	1,416.5	-42.2	690.7	648.3	42.38	16.297	
10,725.0	9,577.6	10,895.6	9,781.0	24.6	17.0	107.13	1,441.5	-42.2	690.7	648.1	42.59	16.216	
10,750.0	9,577.8	10,920.6	9,781.2	24.7	17.2	107.13	1,466.5	-42.3	690.7	647.9	42.81	16.134	
10,775.0	9,578.0	10,945.6	9,781.4	24.8	17.3	107.13	1,491.5	-42.3	690.7	647.7	43.03	16.052	
10,800.0	9,578.2	10,970.6	9,781.6	24.9	17.5	107.13	1,516.5	-42.3	690.7	647.4	43.24	15.972	
10,825.0	9,578.4	10,995.6	9,781.8	25.0	17.6	107.13	1,541.5	-42.4	690.7	647.2	43.47	15.890	
10,850.0	9,578.6	11,020.6	9,782.0	25.1	17.8	107.13	1,566.5	-42.4	690.7	647.0	43.69	15.807	
10,875.0	9,578.8	11,045.6	9,782.2	25.2	17.9	107.13	1,591.5	-42.4	690.7	646.8	43.92	15.725	
10,900.0	9,579.0	11,070.6	9,782.4	25.3	18.1	107.13	1,616.5	-42.4	690.7	646.5	44.15	15.644	
10,925.0	9,579.2	11,095.6	9,782.6	25.4	18.2	107.13	1,641.5	-42.5	690.7	646.3	44.39	15.561	
10,950.0	9,579.4	11,120.6	9,782.8	25.5	18.4	107.13	1,666.5	-42.5	690.7	646.1	44.62	15.478	
10,975.0	9,579.6	11,145.6	9,783.0	25.6	18.5	107.13	1,691.5	-42.5	690.7	645.8	44.86	15.396	
11,000.0	9,579.8	11,170.6	9,783.2	25.8	18.7	107.13	1,716.5	-42.6	690.7	645.6	45.10	15.315	
11,025.0	9,580.0	11,195.6	9,783.4	25.9	18.9	107.13	1,741.5	-42.6	690.7	645.4	45.34	15.232	
11,050.0	9,580.2	11,220.6	9,783.6	26.0	19.0	107.13	1,766.5	-42.6	690.7	645.1	45.59	15.150	
11,075.0	9,580.4	11,245.6	9,783.8	26.1	19.2	107.13	1,791.5	-42.6	690.7	644.9	45.84	15.068	
11,100.0	9,580.6	11,270.6	9,784.0	26.2	19.3	107.13	1,816.5	-42.7	690.7	644.6	46.09	14.987	
11,125.0	9,580.8	11,295.6	9,784.2	26.3	19.5	107.13	1,841.5	-42.7	690.7	644.4	46.34	14.905	
11,150.0	9,581.0	11,320.6	9,784.5	26.5	19.7	107.13	1,866.5	-42.7	690.7	644.1	46.60	14.823	
11,175.0	9,581.2	11,345.6	9,784.7	26.6	19.8	107.13	1,891.5	-42.8	690.7	643.9	46.85	14.742	
11,200.0	9,581.4	11,370.6	9,784.9	26.7	20.0	107.13	1,916.5	-42.8	690.7	643.6	47.11	14.661	
11,225.0	9,581.6	11,395.6	9,785.1	26.8	20.2	107.13	1,941.5	-42.8	690.7	643.3	47.37	14.580	
11,250.0	9,581.8	11,420.6	9,785.3	26.9	20.3	107.13	1,966.5	-42.9	690.7	643.1	47.64	14.499	
11,275.0	9,582.0	11,445.6	9,785.5	27.1	20.5	107.13	1,991.5	-42.9	690.7	642.8	47.90	14.419	
11,300.0	9,582.2	11,470.6	9,785.7	27.2	20.7	107.14	2,016.5	-42.9	690.7	642.5	48.17	14.339	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,325.0	9,582.4	11,495.6	9,785.9	27.3	20.8	107.14	2,041.5	-42.9	690.7	642.3	48.44	14.259	
11,350.0	9,582.6	11,520.6	9,786.1	27.5	21.0	107.14	2,066.5	-43.0	690.7	642.0	48.71	14.179	
11,375.0	9,582.8	11,545.6	9,786.3	27.6	21.2	107.14	2,091.5	-43.0	690.7	641.7	48.99	14.100	
11,400.0	9,583.0	11,570.6	9,786.5	27.7	21.4	107.14	2,116.5	-43.0	690.7	641.5	49.26	14.022	
11,425.0	9,583.2	11,595.6	9,786.7	27.9	21.5	107.14	2,141.5	-43.1	690.7	641.2	49.54	13.943	
11,450.0	9,583.4	11,620.6	9,786.9	28.0	21.7	107.14	2,166.5	-43.1	690.7	640.9	49.82	13.865	
11,475.0	9,583.6	11,645.6	9,787.1	28.1	21.9	107.14	2,191.5	-43.1	690.7	640.6	50.10	13.787	
11,500.0	9,583.8	11,670.6	9,787.3	28.3	22.1	107.14	2,216.5	-43.1	690.7	640.3	50.38	13.710	
11,525.0	9,584.0	11,695.6	9,787.5	28.4	22.2	107.14	2,241.5	-43.2	690.7	640.1	50.67	13.633	
11,550.0	9,584.2	11,720.6	9,787.7	28.5	22.4	107.14	2,266.5	-43.2	690.7	639.8	50.95	13.556	
11,575.0	9,584.4	11,745.6	9,787.9	28.7	22.6	107.14	2,291.5	-43.2	690.7	639.5	51.24	13.480	
11,600.0	9,584.6	11,770.6	9,788.1	28.8	22.8	107.14	2,316.5	-43.3	690.7	639.2	51.53	13.405	
11,625.0	9,584.8	11,795.6	9,788.4	28.9	23.0	107.14	2,341.5	-43.3	690.7	638.9	51.82	13.329	
11,650.0	9,585.0	11,820.6	9,788.6	29.1	23.1	107.14	2,366.5	-43.3	690.7	638.6	52.11	13.254	
11,675.0	9,585.2	11,845.6	9,788.8	29.2	23.3	107.14	2,391.5	-43.3	690.7	638.3	52.41	13.180	
11,700.0	9,585.4	11,870.6	9,789.0	29.4	23.5	107.14	2,416.5	-43.4	690.7	638.0	52.70	13.106	
11,725.0	9,585.6	11,895.6	9,789.2	29.5	23.7	107.14	2,441.5	-43.4	690.7	637.7	53.00	13.033	
11,750.0	9,585.8	11,920.6	9,789.4	29.7	23.9	107.14	2,466.5	-43.4	690.7	637.4	53.30	12.959	
11,775.0	9,586.0	11,945.6	9,789.6	29.8	24.0	107.14	2,491.5	-43.5	690.7	637.1	53.60	12.887	
11,800.0	9,586.2	11,970.6	9,789.8	30.0	24.2	107.14	2,516.5	-43.5	690.7	636.8	53.90	12.815	
11,825.0	9,586.4	11,995.6	9,790.0	30.1	24.4	107.14	2,541.5	-43.5	690.7	636.5	54.20	12.743	
11,850.0	9,586.6	12,020.6	9,790.2	30.3	24.6	107.14	2,566.5	-43.6	690.7	636.2	54.51	12.672	
11,875.0	9,586.8	12,045.6	9,790.4	30.4	24.8	107.14	2,591.5	-43.6	690.7	635.9	54.82	12.601	
11,900.0	9,587.0	12,070.6	9,790.6	30.6	25.0	107.14	2,616.5	-43.6	690.7	635.6	55.12	12.531	
11,925.0	9,587.2	12,095.6	9,790.8	30.7	25.1	107.14	2,641.5	-43.6	690.7	635.3	55.43	12.461	
11,950.0	9,587.4	12,120.6	9,791.0	30.9	25.3	107.14	2,666.5	-43.7	690.7	635.0	55.74	12.392	
11,975.0	9,587.6	12,145.6	9,791.2	31.0	25.5	107.15	2,691.5	-43.7	690.7	634.7	56.05	12.323	
12,000.0	9,587.8	12,170.6	9,791.4	31.2	25.7	107.15	2,716.5	-43.7	690.7	634.4	56.36	12.255	
12,025.0	9,588.0	12,195.6	9,791.6	31.3	25.9	107.15	2,741.5	-43.8	690.7	634.1	56.68	12.187	
12,050.0	9,588.2	12,220.6	9,791.8	31.5	26.1	107.15	2,766.5	-43.8	690.7	633.8	56.99	12.120	
12,075.0	9,588.4	12,245.6	9,792.1	31.6	26.3	107.15	2,791.5	-43.8	690.7	633.4	57.31	12.053	
12,100.0	9,588.6	12,270.6	9,792.3	31.8	26.5	107.15	2,816.5	-43.8	690.8	633.1	57.63	11.987	
12,125.0	9,588.8	12,295.6	9,792.5	31.9	26.6	107.15	2,841.5	-43.9	690.8	632.8	57.94	11.921	
12,150.0	9,589.0	12,320.6	9,792.7	32.1	26.8	107.15	2,866.5	-43.9	690.8	632.5	58.26	11.855	
12,175.0	9,589.2	12,345.6	9,792.9	32.3	27.0	107.15	2,891.5	-43.9	690.8	632.2	58.58	11.791	
12,200.0	9,589.4	12,370.6	9,793.1	32.4	27.2	107.15	2,916.5	-44.0	690.8	631.8	58.91	11.726	
12,225.0	9,589.6	12,395.6	9,793.3	32.6	27.4	107.15	2,941.5	-44.0	690.8	631.5	59.23	11.662	
12,250.0	9,589.8	12,420.6	9,793.5	32.7	27.6	107.15	2,966.5	-44.0	690.8	631.2	59.55	11.599	
12,275.0	9,590.0	12,445.6	9,793.7	32.9	27.8	107.15	2,991.5	-44.0	690.8	630.9	59.88	11.536	
12,300.0	9,590.2	12,470.6	9,793.9	33.1	28.0	107.15	3,016.5	-44.1	690.8	630.6	60.20	11.474	
12,325.0	9,590.4	12,495.6	9,794.1	33.2	28.2	107.15	3,041.5	-44.1	690.8	630.2	60.53	11.412	
12,350.0	9,590.6	12,520.6	9,794.3	33.4	28.4	107.15	3,066.5	-44.1	690.8	629.9	60.86	11.350	
12,375.0	9,590.8	12,545.6	9,794.5	33.5	28.6	107.15	3,091.5	-44.2	690.8	629.6	61.19	11.289	
12,400.0	9,591.0	12,570.6	9,794.7	33.7	28.7	107.15	3,116.5	-44.2	690.8	629.2	61.52	11.229	
12,425.0	9,591.2	12,595.6	9,794.9	33.9	28.9	107.15	3,141.5	-44.2	690.8	628.9	61.85	11.169	
12,450.0	9,591.4	12,620.6	9,795.1	34.0	29.1	107.15	3,166.5	-44.3	690.8	628.6	62.18	11.109	
12,475.0	9,591.6	12,645.6	9,795.3	34.2	29.3	107.15	3,191.5	-44.3	690.8	628.3	62.51	11.050	
12,500.0	9,591.8	12,670.6	9,795.5	34.4	29.5	107.15	3,216.5	-44.3	690.8	627.9	62.85	10.991	
12,525.0	9,592.0	12,695.6	9,795.7	34.5	29.7	107.15	3,241.5	-44.3	690.8	627.6	63.18	10.933	
12,550.0	9,592.2	12,720.6	9,796.0	34.7	29.9	107.15	3,266.5	-44.4	690.8	627.3	63.52	10.875	
12,575.0	9,592.4	12,745.6	9,796.2	34.9	30.1	107.15	3,291.5	-44.4	690.8	626.9	63.85	10.818	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,600.0	9,592.6	12,770.6	9,796.4	35.0	30.3	107.15	3,316.5	-44.4	690.8	626.6	64.19	10.761	
12,625.0	9,592.8	12,795.6	9,796.6	35.2	30.5	107.15	3,341.5	-44.5	690.8	626.2	64.53	10.705	
12,650.0	9,593.0	12,820.6	9,796.8	35.4	30.7	107.15	3,366.5	-44.5	690.8	625.9	64.87	10.649	
12,675.0	9,593.2	12,845.6	9,797.0	35.5	30.9	107.16	3,391.5	-44.5	690.8	625.6	65.21	10.594	
12,700.0	9,593.4	12,870.6	9,797.2	35.7	31.1	107.16	3,416.5	-44.5	690.8	625.2	65.55	10.539	
12,725.0	9,593.6	12,895.6	9,797.4	35.9	31.3	107.16	3,441.5	-44.6	690.8	624.9	65.89	10.484	
12,750.0	9,593.8	12,920.6	9,797.6	36.1	31.5	107.16	3,466.5	-44.6	690.8	624.6	66.23	10.430	
12,775.0	9,594.0	12,945.6	9,797.8	36.2	31.7	107.16	3,491.4	-44.6	690.8	624.2	66.57	10.376	
12,800.0	9,594.2	12,970.6	9,798.0	36.4	31.9	107.16	3,516.4	-44.7	690.8	623.9	66.92	10.323	
12,825.0	9,594.4	12,995.6	9,798.2	36.6	32.1	107.16	3,541.4	-44.7	690.8	623.5	67.26	10.270	
12,850.0	9,594.6	13,020.6	9,798.4	36.7	32.3	107.16	3,566.4	-44.7	690.8	623.2	67.61	10.218	
12,875.0	9,594.8	13,045.6	9,798.6	36.9	32.5	107.16	3,591.4	-44.7	690.8	622.8	67.95	10.166	
12,900.0	9,595.0	13,070.6	9,798.8	37.1	32.7	107.16	3,616.4	-44.8	690.8	622.5	68.30	10.114	
12,925.0	9,595.2	13,095.6	9,799.0	37.3	32.9	107.16	3,641.4	-44.8	690.8	622.1	68.65	10.063	
12,950.0	9,595.4	13,120.6	9,799.2	37.4	33.1	107.16	3,666.4	-44.8	690.8	621.8	68.99	10.012	
12,975.0	9,595.6	13,145.6	9,799.4	37.6	33.2	107.16	3,691.4	-44.9	690.8	621.5	69.34	9.962	
13,000.0	9,595.8	13,170.6	9,799.6	37.8	33.4	107.16	3,716.4	-44.9	690.8	621.1	69.69	9.912	
13,025.0	9,596.0	13,195.6	9,799.9	38.0	33.6	107.16	3,741.4	-44.9	690.8	620.8	70.04	9.863	
13,050.0	9,596.2	13,220.6	9,800.1	38.1	33.8	107.16	3,766.4	-45.0	690.8	620.4	70.39	9.814	
13,075.0	9,596.4	13,245.6	9,800.3	38.3	34.0	107.16	3,791.4	-45.0	690.8	620.1	70.74	9.765	
13,100.0	9,596.6	13,270.6	9,800.5	38.5	34.2	107.16	3,816.4	-45.0	690.8	619.7	71.09	9.717	
13,125.0	9,596.8	13,295.6	9,800.7	38.7	34.4	107.16	3,841.4	-45.0	690.8	619.4	71.45	9.669	
13,150.0	9,597.0	13,320.6	9,800.9	38.9	34.6	107.16	3,866.4	-45.1	690.8	619.0	71.80	9.621	
13,175.0	9,597.2	13,345.6	9,801.1	39.0	34.8	107.16	3,891.4	-45.1	690.8	618.6	72.15	9.574	
13,200.0	9,597.4	13,370.6	9,801.3	39.2	35.0	107.16	3,916.4	-45.1	690.8	618.3	72.51	9.528	
13,225.0	9,597.7	13,395.6	9,801.5	39.4	35.2	107.16	3,941.4	-45.2	690.8	617.9	72.86	9.481	
13,250.0	9,597.9	13,420.6	9,801.7	39.6	35.4	107.16	3,966.4	-45.2	690.8	617.6	73.22	9.435	
13,275.0	9,598.1	13,445.6	9,801.9	39.7	35.6	107.16	3,991.4	-45.2	690.8	617.2	73.57	9.390	
13,300.0	9,598.3	13,470.6	9,802.1	39.9	35.8	107.16	4,016.4	-45.2	690.8	616.9	73.93	9.344	
13,325.0	9,598.5	13,495.6	9,802.3	40.1	36.0	107.16	4,041.4	-45.3	690.8	616.5	74.28	9.300	
13,350.0	9,598.7	13,520.6	9,802.5	40.3	36.2	107.16	4,066.4	-45.3	690.8	616.2	74.64	9.255	
13,375.0	9,598.9	13,545.6	9,802.7	40.5	36.4	107.17	4,091.4	-45.3	690.8	615.8	75.00	9.211	
13,400.0	9,599.1	13,570.6	9,802.9	40.6	36.6	107.17	4,116.4	-45.4	690.8	615.5	75.36	9.167	
13,425.0	9,599.3	13,595.6	9,803.1	40.8	36.8	107.17	4,141.4	-45.4	690.8	615.1	75.72	9.124	
13,450.0	9,599.5	13,620.6	9,803.3	41.0	37.1	107.17	4,166.4	-45.4	690.8	614.7	76.08	9.081	
13,475.0	9,599.7	13,645.6	9,803.5	41.2	37.3	107.17	4,191.4	-45.4	690.8	614.4	76.44	9.038	
13,500.0	9,599.9	13,670.6	9,803.8	41.4	37.5	107.17	4,216.4	-45.5	690.8	614.0	76.80	8.995	
13,525.0	9,600.1	13,695.6	9,804.0	41.6	37.7	107.17	4,241.4	-45.5	690.8	613.7	77.16	8.953	
13,550.0	9,600.3	13,720.6	9,804.2	41.7	37.9	107.17	4,266.4	-45.5	690.8	613.3	77.52	8.912	
13,575.0	9,600.5	13,745.6	9,804.4	41.9	38.1	107.17	4,291.4	-45.6	690.8	612.9	77.88	8.870	
13,600.0	9,600.7	13,770.6	9,804.6	42.1	38.3	107.17	4,316.4	-45.6	690.8	612.6	78.24	8.829	
13,625.0	9,600.9	13,795.6	9,804.8	42.3	38.5	107.17	4,341.4	-45.6	690.8	612.2	78.61	8.788	
13,650.0	9,601.1	13,820.6	9,805.0	42.5	38.7	107.17	4,366.4	-45.7	690.8	611.9	78.97	8.748	
13,675.0	9,601.3	13,845.6	9,805.2	42.7	38.9	107.17	4,391.4	-45.7	690.8	611.5	79.33	8.708	
13,700.0	9,601.5	13,870.6	9,805.4	42.8	39.1	107.17	4,416.4	-45.7	690.8	611.1	79.70	8.668	
13,725.0	9,601.7	13,895.6	9,805.6	43.0	39.3	107.17	4,441.4	-45.7	690.8	610.8	80.06	8.629	
13,750.0	9,601.9	13,920.6	9,805.8	43.2	39.5	107.17	4,466.4	-45.8	690.8	610.4	80.43	8.590	
13,775.0	9,602.1	13,945.6	9,806.0	43.4	39.7	107.17	4,491.4	-45.8	690.8	610.0	80.79	8.551	
13,800.0	9,602.3	13,970.6	9,806.2	43.6	39.9	107.17	4,516.4	-45.8	690.8	609.7	81.16	8.512	
13,825.0	9,602.5	13,995.6	9,806.4	43.8	40.1	107.17	4,541.4	-45.9	690.8	609.3	81.52	8.474	
13,850.0	9,602.7	14,020.6	9,806.6	44.0	40.3	107.17	4,566.4	-45.9	690.8	608.9	81.89	8.436	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,875.0	9,602.9	14,045.6	9,806.8	44.1	40.5	107.17	4,591.4	-45.9	690.8	608.6	82.26	8.398	
13,900.0	9,603.1	14,070.6	9,807.0	44.3	40.7	107.17	4,616.4	-45.9	690.8	608.2	82.62	8.361	
13,925.0	9,603.3	14,095.6	9,807.2	44.5	40.9	107.17	4,641.4	-46.0	690.8	607.8	82.99	8.324	
13,950.0	9,603.5	14,120.6	9,807.5	44.7	41.1	107.17	4,666.4	-46.0	690.8	607.5	83.36	8.287	
13,975.0	9,603.7	14,145.6	9,807.7	44.9	41.3	107.17	4,691.4	-46.0	690.8	607.1	83.73	8.251	
14,000.0	9,603.9	14,170.6	9,807.9	45.1	41.5	107.17	4,716.4	-46.1	690.8	606.7	84.10	8.215	
14,025.0	9,604.1	14,195.6	9,808.1	45.3	41.7	107.17	4,741.4	-46.1	690.8	606.4	84.47	8.179	
14,050.0	9,604.3	14,220.6	9,808.3	45.5	41.9	107.18	4,766.4	-46.1	690.8	606.0	84.84	8.143	
14,075.0	9,604.5	14,245.6	9,808.5	45.7	42.1	107.18	4,791.4	-46.1	690.8	605.6	85.21	8.108	
14,100.0	9,604.7	14,270.6	9,808.7	45.8	42.3	107.18	4,816.4	-46.2	690.8	605.3	85.58	8.073	
14,125.0	9,604.9	14,295.6	9,808.9	46.0	42.5	107.18	4,841.4	-46.2	690.8	604.9	85.95	8.038	
14,150.0	9,605.1	14,320.6	9,809.1	46.2	42.7	107.18	4,866.4	-46.2	690.8	604.5	86.32	8.003	
14,175.0	9,605.3	14,345.6	9,809.3	46.4	42.9	107.18	4,891.4	-46.3	690.8	604.2	86.69	7.969	
14,200.0	9,605.5	14,370.6	9,809.5	46.6	43.2	107.18	4,916.4	-46.3	690.9	603.8	87.06	7.935	
14,225.0	9,605.7	14,395.6	9,809.7	46.8	43.4	107.18	4,941.4	-46.3	690.9	603.4	87.44	7.901	
14,250.0	9,605.9	14,420.6	9,809.9	47.0	43.6	107.18	4,966.4	-46.4	690.9	603.0	87.81	7.868	
14,275.0	9,606.1	14,445.6	9,810.1	47.2	43.8	107.18	4,991.4	-46.4	690.9	602.7	88.18	7.835	
14,300.0	9,606.3	14,470.6	9,810.3	47.4	44.0	107.18	5,016.4	-46.4	690.9	602.3	88.55	7.802	
14,325.0	9,606.5	14,495.6	9,810.5	47.5	44.2	107.18	5,041.4	-46.4	690.9	601.9	88.93	7.769	
14,350.0	9,606.7	14,520.6	9,810.7	47.7	44.4	107.18	5,066.4	-46.5	690.9	601.6	89.30	7.736	
14,375.0	9,606.9	14,545.6	9,810.9	47.9	44.6	107.18	5,091.4	-46.5	690.9	601.2	89.68	7.704	
14,400.0	9,607.1	14,570.6	9,811.1	48.1	44.8	107.18	5,116.4	-46.5	690.9	600.8	90.05	7.672	
14,425.0	9,607.3	14,595.6	9,811.4	48.3	45.0	107.18	5,141.4	-46.6	690.9	600.4	90.42	7.640	
14,450.0	9,607.5	14,620.6	9,811.6	48.5	45.2	107.18	5,166.4	-46.6	690.9	600.1	90.80	7.609	
14,475.0	9,607.7	14,645.6	9,811.8	48.7	45.4	107.18	5,191.4	-46.6	690.9	599.7	91.17	7.577	
14,500.0	9,607.9	14,670.6	9,812.0	48.9	45.6	107.18	5,216.4	-46.6	690.9	599.3	91.55	7.546	
14,525.0	9,608.1	14,695.6	9,812.2	49.1	45.8	107.18	5,241.4	-46.7	690.9	598.9	91.93	7.516	
14,550.0	9,608.3	14,720.6	9,812.4	49.3	46.0	107.18	5,266.4	-46.7	690.9	598.6	92.30	7.485	
14,575.0	9,608.5	14,745.6	9,812.6	49.5	46.2	107.18	5,291.4	-46.7	690.9	598.2	92.68	7.455	
14,600.0	9,608.7	14,770.6	9,812.8	49.7	46.4	107.18	5,316.4	-46.8	690.9	597.8	93.05	7.424	
14,625.0	9,608.9	14,795.6	9,813.0	49.9	46.7	107.18	5,341.4	-46.8	690.9	597.4	93.43	7.394	
14,650.0	9,609.1	14,820.6	9,813.2	50.0	46.9	107.18	5,366.4	-46.8	690.9	597.1	93.81	7.365	
14,675.0	9,609.3	14,845.6	9,813.4	50.2	47.1	107.18	5,391.4	-46.8	690.9	596.7	94.19	7.335	
14,700.0	9,609.5	14,870.6	9,813.6	50.4	47.3	107.18	5,416.4	-46.9	690.9	596.3	94.56	7.306	
14,725.0	9,609.7	14,895.6	9,813.8	50.6	47.5	107.18	5,441.4	-46.9	690.9	595.9	94.94	7.277	
14,750.0	9,609.9	14,920.6	9,814.0	50.8	47.7	107.19	5,466.4	-46.9	690.9	595.6	95.32	7.248	
14,775.0	9,610.1	14,945.6	9,814.2	51.0	47.9	107.19	5,491.4	-47.0	690.9	595.2	95.70	7.219	
14,800.0	9,610.3	14,970.6	9,814.4	51.2	48.1	107.19	5,516.4	-47.0	690.9	594.8	96.08	7.191	
14,825.0	9,610.5	14,995.6	9,814.6	51.4	48.3	107.19	5,541.4	-47.0	690.9	594.4	96.46	7.163	
14,850.0	9,610.7	15,020.6	9,814.8	51.6	48.5	107.19	5,566.4	-47.1	690.9	594.0	96.84	7.135	
14,875.0	9,610.9	15,045.6	9,815.0	51.8	48.7	107.19	5,591.4	-47.1	690.9	593.7	97.21	7.107	
14,900.0	9,611.1	15,070.6	9,815.3	52.0	48.9	107.19	5,616.4	-47.1	690.9	593.3	97.59	7.079	
14,925.0	9,611.3	15,095.6	9,815.5	52.2	49.1	107.19	5,641.4	-47.1	690.9	592.9	97.97	7.052	
14,950.0	9,611.5	15,120.6	9,815.7	52.4	49.3	107.19	5,666.4	-47.2	690.9	592.5	98.35	7.024	
14,975.0	9,611.7	15,145.6	9,815.9	52.6	49.5	107.19	5,691.4	-47.2	690.9	592.2	98.73	6.997	
15,000.0	9,611.9	15,170.6	9,816.1	52.8	49.8	107.19	5,716.4	-47.2	690.9	591.8	99.11	6.971	
15,025.0	9,612.1	15,195.6	9,816.3	53.0	50.0	107.19	5,741.4	-47.3	690.9	591.4	99.50	6.944	
15,050.0	9,612.3	15,220.6	9,816.5	53.2	50.2	107.19	5,766.4	-47.3	690.9	591.0	99.88	6.917	
15,075.0	9,612.5	15,245.6	9,816.7	53.4	50.4	107.19	5,791.4	-47.3	690.9	590.6	100.26	6.891	
15,100.0	9,612.7	15,270.6	9,816.9	53.5	50.6	107.19	5,816.4	-47.3	690.9	590.3	100.64	6.865	
15,125.0	9,612.9	15,295.6	9,817.1	53.7	50.8	107.19	5,841.4	-47.4	690.9	589.9	101.02	6.839	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,150.0	9,613.1	15,320.6	9,817.3	53.9	51.0	107.19	5,866.4	-47.4	690.9	589.5	101.40	6.813	
15,175.0	9,613.3	15,345.6	9,817.5	54.1	51.2	107.19	5,891.4	-47.4	690.9	589.1	101.79	6.788	
15,200.0	9,613.5	15,370.6	9,817.7	54.3	51.4	107.19	5,916.4	-47.5	690.9	588.7	102.17	6.762	
15,225.0	9,613.7	15,395.6	9,817.9	54.5	51.6	107.19	5,941.4	-47.5	690.9	588.3	102.55	6.737	
15,250.0	9,613.9	15,420.6	9,818.1	54.7	51.8	107.19	5,966.4	-47.5	690.9	588.0	102.93	6.712	
15,275.0	9,614.1	15,445.6	9,818.3	54.9	52.0	107.19	5,991.4	-47.5	690.9	587.6	103.32	6.687	
15,300.0	9,614.3	15,470.6	9,818.5	55.1	52.2	107.19	6,016.4	-47.6	690.9	587.2	103.70	6.663	
15,325.0	9,614.5	15,495.6	9,818.7	55.3	52.5	107.19	6,041.4	-47.6	690.9	586.8	104.08	6.638	
15,350.0	9,614.7	15,520.6	9,819.0	55.5	52.7	107.19	6,066.4	-47.6	690.9	586.4	104.47	6.614	
15,375.0	9,614.9	15,545.6	9,819.2	55.7	52.9	107.19	6,091.4	-47.7	690.9	586.1	104.85	6.590	
15,400.0	9,615.1	15,570.6	9,819.4	55.9	53.1	107.19	6,116.4	-47.7	690.9	585.7	105.23	6.565	
15,425.0	9,615.3	15,595.6	9,819.6	56.1	53.3	107.20	6,141.4	-47.7	690.9	585.3	105.62	6.542	
15,450.0	9,615.5	15,620.6	9,819.8	56.3	53.5	107.20	6,166.4	-47.8	690.9	584.9	106.00	6.518	
15,475.0	9,615.7	15,645.6	9,820.0	56.5	53.7	107.20	6,191.4	-47.8	690.9	584.5	106.39	6.494	
15,500.0	9,615.9	15,670.6	9,820.2	56.7	53.9	107.20	6,216.4	-47.8	690.9	584.1	106.77	6.471	
15,525.0	9,616.1	15,695.6	9,820.4	56.9	54.1	107.20	6,241.4	-47.8	690.9	583.8	107.16	6.448	
15,550.0	9,616.3	15,720.6	9,820.6	57.1	54.3	107.20	6,266.4	-47.9	690.9	583.4	107.54	6.425	
15,575.0	9,616.5	15,745.6	9,820.8	57.3	54.5	107.20	6,291.4	-47.9	690.9	583.0	107.93	6.402	
15,600.0	9,616.7	15,770.6	9,821.0	57.5	54.7	107.20	6,316.4	-47.9	690.9	582.6	108.31	6.379	
15,625.0	9,616.9	15,795.6	9,821.2	57.7	55.0	107.20	6,341.4	-48.0	690.9	582.2	108.70	6.356	
15,650.0	9,617.1	15,820.6	9,821.4	57.9	55.2	107.20	6,366.4	-48.0	690.9	581.8	109.08	6.334	
15,675.0	9,617.3	15,845.6	9,821.6	58.1	55.4	107.20	6,391.3	-48.0	690.9	581.5	109.47	6.312	
15,700.0	9,617.5	15,870.6	9,821.8	58.3	55.6	107.20	6,416.3	-48.0	690.9	581.1	109.85	6.289	
15,725.0	9,617.7	15,895.6	9,822.0	58.5	55.8	107.20	6,441.3	-48.1	690.9	580.7	110.24	6.267	
15,750.0	9,617.9	15,920.6	9,822.2	58.7	56.0	107.20	6,466.3	-48.1	690.9	580.3	110.63	6.246	
15,775.0	9,618.1	15,945.6	9,822.4	58.9	56.2	107.20	6,491.3	-48.1	690.9	579.9	111.01	6.224	
15,800.0	9,618.3	15,970.6	9,822.6	59.1	56.4	107.20	6,516.3	-48.2	690.9	579.5	111.40	6.202	
15,825.0	9,618.5	15,995.6	9,822.9	59.3	56.6	107.20	6,541.3	-48.2	690.9	579.1	111.79	6.181	
15,850.0	9,618.7	16,020.6	9,823.1	59.5	56.8	107.20	6,566.3	-48.2	690.9	578.8	112.17	6.159	
15,875.0	9,618.9	16,045.6	9,823.3	59.7	57.0	107.20	6,591.3	-48.2	690.9	578.4	112.56	6.138	
15,900.0	9,619.1	16,070.6	9,823.5	59.9	57.3	107.20	6,616.3	-48.3	690.9	578.0	112.95	6.117	
15,925.0	9,619.3	16,095.6	9,823.7	60.1	57.5	107.20	6,641.3	-48.3	690.9	577.6	113.34	6.096	
15,950.0	9,619.5	16,120.6	9,823.9	60.3	57.7	107.20	6,666.3	-48.3	690.9	577.2	113.72	6.076	
15,975.0	9,619.7	16,145.6	9,824.1	60.5	57.9	107.20	6,691.3	-48.4	690.9	576.8	114.11	6.055	
16,000.0	9,619.9	16,170.6	9,824.3	60.7	58.1	107.20	6,716.3	-48.4	690.9	576.4	114.50	6.034	
16,025.0	9,620.1	16,195.6	9,824.5	60.9	58.3	107.20	6,741.3	-48.4	690.9	576.1	114.89	6.014	
16,050.0	9,620.3	16,220.6	9,824.7	61.1	58.5	107.20	6,766.3	-48.5	690.9	575.7	115.27	5.994	
16,075.0	9,620.5	16,245.6	9,824.9	61.3	58.7	107.20	6,791.3	-48.5	690.9	575.3	115.66	5.974	
16,100.0	9,620.7	16,270.6	9,825.1	61.5	58.9	107.20	6,816.3	-48.5	690.9	574.9	116.05	5.954	
16,125.0	9,620.9	16,295.6	9,825.3	61.7	59.1	107.21	6,841.3	-48.5	690.9	574.5	116.44	5.934	
16,150.0	9,621.1	16,320.6	9,825.5	61.9	59.3	107.21	6,866.3	-48.6	690.9	574.1	116.83	5.914	
16,175.0	9,621.3	16,345.6	9,825.7	62.1	59.6	107.21	6,891.3	-48.6	690.9	573.7	117.22	5.895	
16,200.0	9,621.5	16,370.6	9,825.9	62.3	59.8	107.21	6,916.3	-48.6	690.9	573.3	117.61	5.875	
16,225.0	9,621.7	16,395.6	9,826.1	62.5	60.0	107.21	6,941.3	-48.7	690.9	573.0	118.00	5.856	
16,250.0	9,622.0	16,420.6	9,826.3	62.7	60.2	107.21	6,966.3	-48.7	690.9	572.6	118.38	5.836	
16,275.0	9,622.2	16,445.6	9,826.5	62.9	60.4	107.21	6,991.3	-48.7	690.9	572.2	118.77	5.817	
16,300.0	9,622.4	16,470.6	9,826.8	63.1	60.6	107.21	7,016.3	-48.7	691.0	571.8	119.16	5.798	
16,325.0	9,622.6	16,495.6	9,827.0	63.3	60.8	107.21	7,041.3	-48.8	691.0	571.4	119.55	5.779	
16,350.0	9,622.8	16,520.6	9,827.2	63.5	61.0	107.21	7,066.3	-48.8	691.0	571.0	119.94	5.761	
16,375.0	9,623.0	16,545.6	9,827.4	63.7	61.2	107.21	7,091.3	-48.8	691.0	570.6	120.33	5.742	
16,400.0	9,623.2	16,570.6	9,827.6	63.9	61.4	107.21	7,116.3	-48.9	691.0	570.2	120.72	5.723	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,425.0	9,623.4	16,595.6	9,827.8	64.1	61.6	107.21	7,141.3	-48.9	691.0	569.8	121.11	5.705	
16,450.0	9,623.6	16,620.6	9,828.0	64.3	61.9	107.21	7,166.3	-48.9	691.0	569.5	121.50	5.687	
16,475.0	9,623.8	16,645.6	9,828.2	64.5	62.1	107.21	7,191.3	-48.9	691.0	569.1	121.89	5.669	
16,500.0	9,624.0	16,670.6	9,828.4	64.7	62.3	107.21	7,216.3	-49.0	691.0	568.7	122.28	5.650	
16,525.0	9,624.2	16,695.6	9,828.6	64.9	62.5	107.21	7,241.3	-49.0	691.0	568.3	122.67	5.632	
16,550.0	9,624.4	16,720.6	9,828.8	65.1	62.7	107.21	7,266.3	-49.0	691.0	567.9	123.07	5.615	
16,575.0	9,624.6	16,745.6	9,829.0	65.3	62.9	107.21	7,291.3	-49.1	691.0	567.5	123.46	5.597	
16,600.0	9,624.8	16,770.6	9,829.2	65.5	63.1	107.21	7,316.3	-49.1	691.0	567.1	123.85	5.579	
16,625.0	9,625.0	16,795.6	9,829.4	65.7	63.3	107.21	7,341.3	-49.1	691.0	566.7	124.24	5.562	
16,650.0	9,625.2	16,820.6	9,829.6	65.9	63.5	107.21	7,366.3	-49.2	691.0	566.3	124.63	5.544	
16,675.0	9,625.4	16,845.6	9,829.8	66.1	63.7	107.21	7,391.3	-49.2	691.0	565.9	125.02	5.527	
16,700.0	9,625.6	16,870.6	9,830.0	66.3	64.0	107.21	7,416.3	-49.2	691.0	565.6	125.41	5.510	
16,725.0	9,625.8	16,895.6	9,830.2	66.5	64.2	107.21	7,441.3	-49.2	691.0	565.2	125.80	5.492	
16,750.0	9,626.0	16,920.6	9,830.4	66.7	64.4	107.21	7,466.3	-49.3	691.0	564.8	126.20	5.475	
16,775.0	9,626.2	16,945.6	9,830.7	66.9	64.6	107.21	7,491.3	-49.3	691.0	564.4	126.59	5.458	
16,800.0	9,626.4	16,970.6	9,830.9	67.1	64.8	107.21	7,516.3	-49.3	691.0	564.0	126.98	5.442	
16,825.0	9,626.6	16,995.6	9,831.1	67.3	65.0	107.22	7,541.3	-49.4	691.0	563.6	127.37	5.425	
16,850.0	9,626.8	17,020.6	9,831.3	67.5	65.2	107.22	7,566.3	-49.4	691.0	563.2	127.76	5.408	
16,875.0	9,627.0	17,045.6	9,831.5	67.7	65.4	107.22	7,591.3	-49.4	691.0	562.8	128.16	5.392	
16,900.0	9,627.2	17,070.6	9,831.7	67.9	65.6	107.22	7,616.3	-49.4	691.0	562.4	128.55	5.375	
16,925.0	9,627.4	17,095.6	9,831.9	68.1	65.8	107.22	7,641.3	-49.5	691.0	562.0	128.94	5.359	
16,950.0	9,627.6	17,120.6	9,832.1	68.4	66.1	107.22	7,666.3	-49.5	691.0	561.6	129.33	5.343	
16,975.0	9,627.8	17,145.6	9,832.3	68.6	66.3	107.22	7,691.3	-49.5	691.0	561.3	129.72	5.327	
17,000.0	9,628.0	17,170.6	9,832.5	68.8	66.5	107.22	7,716.3	-49.6	691.0	560.9	130.12	5.310	
17,025.0	9,628.2	17,195.6	9,832.7	69.0	66.7	107.22	7,741.3	-49.6	691.0	560.5	130.51	5.294	
17,050.0	9,628.4	17,220.6	9,832.9	69.2	66.9	107.22	7,766.3	-49.6	691.0	560.1	130.90	5.279	
17,075.0	9,628.6	17,245.6	9,833.1	69.4	67.1	107.22	7,791.3	-49.6	691.0	559.7	131.30	5.263	
17,100.0	9,628.8	17,270.6	9,833.3	69.6	67.3	107.22	7,816.3	-49.7	691.0	559.3	131.69	5.247	
17,125.0	9,629.0	17,295.6	9,833.5	69.8	67.5	107.22	7,841.3	-49.7	691.0	558.9	132.08	5.232	
17,150.0	9,629.2	17,320.6	9,833.7	70.0	67.7	107.22	7,866.3	-49.7	691.0	558.5	132.48	5.216	
17,175.0	9,629.4	17,345.6	9,833.9	70.2	68.0	107.22	7,891.3	-49.8	691.0	558.1	132.87	5.201	
17,200.0	9,629.6	17,370.6	9,834.1	70.4	68.2	107.22	7,916.3	-49.8	691.0	557.7	133.26	5.185	
17,225.0	9,629.8	17,395.6	9,834.4	70.6	68.4	107.22	7,941.3	-49.8	691.0	557.3	133.66	5.170	
17,250.0	9,630.0	17,420.6	9,834.6	70.8	68.6	107.22	7,966.3	-49.9	691.0	556.9	134.05	5.155	
17,275.0	9,630.2	17,445.6	9,834.8	71.0	68.8	107.22	7,991.3	-49.9	691.0	556.6	134.44	5.140	
17,300.0	9,630.4	17,470.6	9,835.0	71.2	69.0	107.22	8,016.3	-49.9	691.0	556.2	134.84	5.125	
17,325.0	9,630.6	17,495.6	9,835.2	71.4	69.2	107.22	8,041.3	-49.9	691.0	555.8	135.23	5.110	
17,350.0	9,630.8	17,520.6	9,835.4	71.6	69.4	107.22	8,066.3	-50.0	691.0	555.4	135.62	5.095	
17,375.0	9,631.0	17,545.6	9,835.6	71.8	69.6	107.22	8,091.3	-50.0	691.0	555.0	136.02	5.080	
17,400.0	9,631.2	17,570.6	9,835.8	72.0	69.8	107.22	8,116.3	-50.0	691.0	554.6	136.41	5.066	
17,425.0	9,631.4	17,595.6	9,836.0	72.2	70.1	107.22	8,141.3	-50.1	691.0	554.2	136.81	5.051	
17,450.0	9,631.6	17,620.6	9,836.2	72.4	70.3	107.22	8,166.3	-50.1	691.0	553.8	137.20	5.036	
17,475.0	9,631.8	17,645.6	9,836.4	72.6	70.5	107.22	8,191.3	-50.1	691.0	553.4	137.60	5.022	
17,500.0	9,632.0	17,670.6	9,836.6	72.8	70.7	107.23	8,216.3	-50.1	691.0	553.0	137.99	5.008	
17,525.0	9,632.2	17,695.6	9,836.8	73.0	70.9	107.23	8,241.3	-50.2	691.0	552.6	138.38	4.993	
17,550.0	9,632.4	17,720.6	9,837.0	73.2	71.1	107.23	8,266.3	-50.2	691.0	552.2	138.78	4.979	
17,575.0	9,632.6	17,745.6	9,837.2	73.4	71.3	107.23	8,291.3	-50.2	691.0	551.8	139.17	4.965	
17,600.0	9,632.8	17,770.6	9,837.4	73.7	71.5	107.23	8,316.3	-50.3	691.0	551.4	139.57	4.951	
17,625.0	9,633.0	17,795.6	9,837.6	73.9	71.7	107.23	8,341.3	-50.3	691.0	551.1	139.96	4.937	
17,650.0	9,633.2	17,820.6	9,837.8	74.1	72.0	107.23	8,366.3	-50.3	691.0	550.7	140.36	4.923	
17,675.0	9,633.4	17,845.6	9,838.0	74.3	72.2	107.23	8,391.3	-50.3	691.0	550.3	140.75	4.909	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,700.0	9,633.6	17,870.6	9,838.3	74.5	72.4	107.23	8,416.3	-50.4	691.0	549.9	141.15	4.896	
17,725.0	9,633.8	17,895.6	9,838.5	74.7	72.6	107.23	8,441.3	-50.4	691.0	549.5	141.54	4.882	
17,750.0	9,634.0	17,920.6	9,838.7	74.9	72.8	107.23	8,466.3	-50.4	691.0	549.1	141.94	4.868	
17,775.0	9,634.2	17,945.6	9,838.9	75.1	73.0	107.23	8,491.3	-50.5	691.0	548.7	142.33	4.855	
17,800.0	9,634.4	17,970.6	9,839.1	75.3	73.2	107.23	8,516.3	-50.5	691.0	548.3	142.73	4.841	
17,825.0	9,634.6	17,995.6	9,839.3	75.5	73.4	107.23	8,541.3	-50.5	691.0	547.9	143.13	4.828	
17,850.0	9,634.8	18,020.6	9,839.5	75.7	73.6	107.23	8,566.3	-50.6	691.0	547.5	143.52	4.815	
17,875.0	9,635.0	18,045.6	9,839.7	75.9	73.9	107.23	8,591.3	-50.6	691.0	547.1	143.92	4.802	
17,900.0	9,635.2	18,070.6	9,839.9	76.1	74.1	107.23	8,616.3	-50.6	691.0	546.7	144.31	4.788	
17,925.0	9,635.4	18,095.6	9,840.1	76.3	74.3	107.23	8,641.3	-50.6	691.0	546.3	144.71	4.775	
17,950.0	9,635.6	18,120.6	9,840.3	76.5	74.5	107.23	8,666.3	-50.7	691.0	545.9	145.10	4.762	
17,975.0	9,635.8	18,145.6	9,840.5	76.7	74.7	107.23	8,691.3	-50.7	691.0	545.5	145.50	4.749	
18,000.0	9,636.0	18,170.6	9,840.7	76.9	74.9	107.23	8,716.3	-50.7	691.0	545.1	145.90	4.736	
18,025.0	9,636.2	18,195.6	9,840.9	77.1	75.1	107.23	8,741.3	-50.8	691.0	544.7	146.29	4.724	
18,050.0	9,636.4	18,220.6	9,841.1	77.3	75.3	107.23	8,766.3	-50.8	691.0	544.3	146.69	4.711	
18,075.0	9,636.6	18,245.6	9,841.3	77.6	75.5	107.23	8,791.3	-50.8	691.0	544.0	147.08	4.698	
18,100.0	9,636.8	18,270.6	9,841.5	77.8	75.8	107.23	8,816.3	-50.8	691.0	543.6	147.48	4.686	
18,125.0	9,637.0	18,295.6	9,841.7	78.0	76.0	107.23	8,841.3	-50.9	691.0	543.2	147.88	4.673	
18,150.0	9,637.2	18,320.6	9,841.9	78.2	76.2	107.23	8,866.3	-50.9	691.0	542.8	148.27	4.661	
18,175.0	9,637.4	18,345.6	9,842.2	78.4	76.4	107.23	8,891.3	-50.9	691.0	542.4	148.67	4.648	
18,200.0	9,637.6	18,370.6	9,842.4	78.6	76.6	107.24	8,916.3	-51.0	691.0	542.0	149.07	4.636	
18,225.0	9,637.8	18,395.6	9,842.6	78.8	76.8	107.24	8,941.3	-51.0	691.0	541.6	149.46	4.624	
18,250.0	9,638.0	18,420.6	9,842.8	79.0	77.0	107.24	8,966.3	-51.0	691.0	541.2	149.86	4.611	
18,275.0	9,638.2	18,445.6	9,843.0	79.2	77.2	107.24	8,991.3	-51.0	691.0	540.8	150.26	4.599	
18,300.0	9,638.4	18,470.6	9,843.2	79.4	77.4	107.24	9,016.3	-51.1	691.0	540.4	150.65	4.587	
18,325.0	9,638.6	18,495.6	9,843.4	79.6	77.7	107.24	9,041.3	-51.1	691.0	540.0	151.05	4.575	
18,350.0	9,638.8	18,520.6	9,843.6	79.8	77.9	107.24	9,066.3	-51.1	691.0	539.6	151.45	4.563	
18,375.0	9,639.0	18,545.6	9,843.8	80.0	78.1	107.24	9,091.3	-51.2	691.1	539.2	151.84	4.551	
18,400.0	9,639.2	18,570.6	9,844.0	80.2	78.3	107.24	9,116.3	-51.2	691.1	538.8	152.24	4.539	
18,425.0	9,639.4	18,595.6	9,844.2	80.4	78.5	107.24	9,141.3	-51.2	691.1	538.4	152.64	4.527	
18,450.0	9,639.6	18,620.6	9,844.4	80.6	78.7	107.24	9,166.3	-51.3	691.1	538.0	153.03	4.516	
18,475.0	9,639.8	18,645.6	9,844.6	80.9	78.9	107.24	9,191.3	-51.3	691.1	537.6	153.43	4.504	
18,500.0	9,640.0	18,670.6	9,844.8	81.1	79.1	107.24	9,216.3	-51.3	691.1	537.2	153.83	4.492	
18,525.0	9,640.2	18,695.6	9,845.0	81.3	79.4	107.24	9,241.3	-51.3	691.1	536.8	154.23	4.481	
18,550.0	9,640.4	18,720.6	9,845.2	81.5	79.6	107.24	9,266.3	-51.4	691.1	536.4	154.62	4.469	
18,575.0	9,640.6	18,745.6	9,845.4	81.7	79.8	107.24	9,291.2	-51.4	691.1	536.0	155.02	4.458	
18,600.0	9,640.8	18,770.6	9,845.6	81.9	80.0	107.24	9,316.2	-51.4	691.1	535.6	155.42	4.446	
18,625.0	9,641.0	18,795.6	9,845.9	82.1	80.2	107.24	9,341.2	-51.5	691.1	535.2	155.82	4.435	
18,650.0	9,641.2	18,820.6	9,846.1	82.3	80.4	107.24	9,366.2	-51.5	691.1	534.8	156.21	4.424	
18,675.0	9,641.4	18,845.6	9,846.3	82.5	80.6	107.24	9,391.2	-51.5	691.1	534.5	156.61	4.413	
18,700.0	9,641.6	18,870.6	9,846.5	82.7	80.8	107.24	9,416.2	-51.5	691.1	534.1	157.01	4.401	
18,725.0	9,641.8	18,895.6	9,846.7	82.9	81.0	107.24	9,441.2	-51.6	691.1	533.7	157.41	4.390	
18,750.0	9,642.0	18,920.6	9,846.9	83.1	81.3	107.24	9,466.2	-51.6	691.1	533.3	157.80	4.379	
18,775.0	9,642.2	18,945.6	9,847.1	83.3	81.5	107.24	9,491.2	-51.6	691.1	532.9	158.20	4.368	
18,800.0	9,642.4	18,970.6	9,847.3	83.5	81.7	107.24	9,516.2	-51.7	691.1	532.5	158.60	4.357	
18,825.0	9,642.6	18,995.6	9,847.5	83.7	81.9	107.24	9,541.2	-51.7	691.1	532.1	159.00	4.346	
18,850.0	9,642.8	19,020.6	9,847.7	84.0	82.1	107.24	9,566.2	-51.7	691.1	531.7	159.40	4.336	
18,875.0	9,643.0	19,045.6	9,847.9	84.2	82.3	107.24	9,591.2	-51.7	691.1	531.3	159.79	4.325	
18,900.0	9,643.2	19,070.6	9,848.1	84.4	82.5	107.25	9,616.2	-51.8	691.1	530.9	160.19	4.314	
18,925.0	9,643.4	19,095.6	9,848.3	84.6	82.7	107.25	9,641.2	-51.8	691.1	530.5	160.59	4.303	
18,950.0	9,643.6	19,120.6	9,848.5	84.8	83.0	107.25	9,666.2	-51.8	691.1	530.1	160.99	4.293	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
18,975.0	9,643.8	19,145.6	9,848.7	85.0	83.2	107.25	9,691.2	-51.9	691.1	529.7	161.39	4.282	
19,000.0	9,644.0	19,170.6	9,848.9	85.2	83.4	107.25	9,716.2	-51.9	691.1	529.3	161.79	4.272	
19,025.0	9,644.2	19,195.6	9,849.1	85.4	83.6	107.25	9,741.2	-51.9	691.1	528.9	162.18	4.261	
19,050.0	9,644.4	19,220.6	9,849.3	85.6	83.8	107.25	9,766.2	-52.0	691.1	528.5	162.58	4.251	
19,075.0	9,644.6	19,245.6	9,849.5	85.8	84.0	107.25	9,791.2	-52.0	691.1	528.1	162.98	4.240	
19,100.0	9,644.8	19,270.6	9,849.8	86.0	84.2	107.25	9,816.2	-52.0	691.1	527.7	163.38	4.230	
19,125.0	9,645.0	19,295.6	9,850.0	86.2	84.4	107.25	9,841.2	-52.0	691.1	527.3	163.78	4.220	
19,150.0	9,645.2	19,320.6	9,850.2	86.4	84.6	107.25	9,866.2	-52.1	691.1	526.9	164.18	4.209	
19,175.0	9,645.4	19,345.6	9,850.4	86.6	84.9	107.25	9,891.2	-52.1	691.1	526.5	164.58	4.199	
19,200.0	9,645.6	19,370.6	9,850.6	86.9	85.1	107.25	9,916.2	-52.1	691.1	526.1	164.97	4.189	
19,225.0	9,645.8	19,395.6	9,850.8	87.1	85.3	107.25	9,941.2	-52.2	691.1	525.7	165.37	4.179	
19,250.0	9,646.0	19,420.6	9,851.0	87.3	85.5	107.25	9,966.2	-52.2	691.1	525.3	165.77	4.169	
19,275.0	9,646.3	19,445.6	9,851.2	87.5	85.7	107.25	9,991.2	-52.2	691.1	524.9	166.17	4.159	
19,300.0	9,646.5	19,470.6	9,851.4	87.7	85.9	107.25	10,016.2	-52.2	691.1	524.5	166.57	4.149	
19,325.0	9,646.7	19,495.6	9,851.6	87.9	86.1	107.25	10,041.2	-52.3	691.1	524.1	166.97	4.139	
19,350.0	9,646.9	19,520.6	9,851.8	88.1	86.3	107.25	10,066.2	-52.3	691.1	523.7	167.37	4.129	
19,375.0	9,647.1	19,545.6	9,852.0	88.3	86.6	107.25	10,091.2	-52.3	691.1	523.3	167.77	4.119	
19,400.0	9,647.3	19,570.6	9,852.2	88.5	86.8	107.25	10,116.2	-52.4	691.1	522.9	168.17	4.110	
19,425.0	9,647.5	19,595.6	9,852.4	88.7	87.0	107.25	10,141.2	-52.4	691.1	522.5	168.57	4.100	
19,450.0	9,647.7	19,620.6	9,852.6	88.9	87.2	107.25	10,166.2	-52.4	691.1	522.1	168.96	4.090	
19,475.0	9,647.9	19,645.6	9,852.8	89.1	87.4	107.25	10,191.2	-52.5	691.1	521.7	169.36	4.081	
19,500.0	9,648.1	19,670.6	9,853.0	89.3	87.6	107.25	10,216.2	-52.5	691.1	521.3	169.76	4.071	
19,525.0	9,648.3	19,695.6	9,853.2	89.6	87.8	107.25	10,241.2	-52.5	691.1	520.9	170.16	4.061	
19,550.0	9,648.5	19,720.6	9,853.4	89.8	88.0	107.25	10,266.2	-52.5	691.1	520.5	170.56	4.052	
19,575.0	9,648.7	19,745.6	9,853.7	90.0	88.2	107.26	10,291.2	-52.6	691.1	520.1	170.96	4.042	
19,600.0	9,648.9	19,770.6	9,853.9	90.2	88.5	107.26	10,316.2	-52.6	691.1	519.7	171.36	4.033	
19,625.0	9,649.1	19,795.6	9,854.1	90.4	88.7	107.26	10,341.2	-52.6	691.1	519.3	171.76	4.024	
19,650.0	9,649.3	19,820.6	9,854.3	90.6	88.9	107.26	10,366.2	-52.7	691.1	519.0	172.16	4.014	
19,675.0	9,649.5	19,845.6	9,854.5	90.8	89.1	107.26	10,391.2	-52.7	691.1	518.6	172.56	4.005	
19,700.0	9,649.7	19,870.6	9,854.7	91.0	89.3	107.26	10,416.2	-52.7	691.1	518.2	172.96	3.996	
19,725.0	9,649.9	19,895.6	9,854.9	91.2	89.5	107.26	10,441.2	-52.7	691.1	517.8	173.36	3.987	
19,750.0	9,650.1	19,920.6	9,855.1	91.4	89.7	107.26	10,466.2	-52.8	691.1	517.4	173.76	3.977	
19,775.0	9,650.3	19,945.6	9,855.3	91.6	89.9	107.26	10,491.2	-52.8	691.1	517.0	174.16	3.968	
19,800.0	9,650.5	19,970.6	9,855.5	91.8	90.2	107.26	10,516.2	-52.8	691.1	516.6	174.56	3.959	
19,825.0	9,650.7	19,995.6	9,855.7	92.0	90.4	107.26	10,541.2	-52.9	691.1	516.2	174.96	3.950	
19,850.0	9,650.9	20,020.6	9,855.9	92.3	90.6	107.26	10,566.2	-52.9	691.1	515.8	175.36	3.941	
19,850.7	9,650.9	20,021.3	9,855.9	92.3	90.6	107.26	10,566.9	-52.9	691.1	515.8	175.37	3.941	
19,866.3	9,651.0	20,031.2	9,856.0	92.4	90.7	107.26	10,576.9	-52.9	691.1	515.6	175.54	3.937	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.42	-19.9	0.2	19.9				
25.0	25.0	25.0	25.0	0.5	0.1	179.42	-19.9	0.2	19.9				
50.0	50.0	50.0	50.0	0.5	0.3	179.42	-19.9	0.2	19.9	18.6	1.28	15.512	
75.0	75.0	75.0	75.0	0.5	0.4	179.42	-19.9	0.2	19.9	18.5	1.38	14.443	
100.0	100.0	100.0	100.0	0.5	0.5	179.42	-19.9	0.2	19.9	18.4	1.50	13.304	
125.0	125.0	125.0	125.0	0.6	0.6	179.42	-19.9	0.2	19.9	18.2	1.75	11.389	
150.0	150.0	150.0	150.0	0.8	0.8	179.42	-19.9	0.2	19.9	17.9	2.00	9.956	
175.0	175.0	175.0	175.0	0.9	0.9	179.42	-19.9	0.2	19.9	17.7	2.25	8.843	
200.0	200.0	200.0	200.0	1.0	1.0	179.42	-19.9	0.2	19.9	17.4	2.50	7.954	
225.0	225.0	225.0	225.0	1.1	1.1	179.42	-19.9	0.2	19.9	17.2	2.67	7.455	
250.0	250.0	250.0	250.0	1.2	1.2	179.42	-19.9	0.2	19.9	17.1	2.84	7.016	
275.0	275.0	275.0	275.0	1.3	1.3	179.42	-19.9	0.2	19.9	16.9	3.00	6.625	
300.0	300.0	300.0	300.0	1.4	1.4	179.42	-19.9	0.2	19.9	16.7	3.17	6.275	
325.0	325.0	325.0	325.0	1.4	1.4	179.42	-19.9	0.2	19.9	16.6	3.31	6.015	
350.0	350.0	350.0	350.0	1.5	1.5	179.42	-19.9	0.2	19.9	16.5	3.45	5.776	
375.0	375.0	375.0	375.0	1.6	1.6	179.42	-19.9	0.2	19.9	16.3	3.58	5.555	
400.0	400.0	400.0	400.0	1.6	1.6	179.42	-19.9	0.2	19.9	16.2	3.72	5.350	
425.0	425.0	425.0	425.0	1.7	1.7	179.42	-19.9	0.2	19.9	16.1	3.84	5.183	
450.0	450.0	450.0	450.0	1.8	1.8	179.42	-19.9	0.2	19.9	15.9	3.96	5.025	
475.0	475.0	475.0	475.0	1.8	1.8	179.42	-19.9	0.2	19.9	15.8	4.08	4.877	
500.0	500.0	500.0	500.0	1.9	1.9	179.42	-19.9	0.2	19.9	15.7	4.20	4.737	
525.0	525.0	525.0	525.0	1.9	1.9	179.42	-19.9	0.2	19.9	15.6	4.31	4.617	
550.0	550.0	550.0	550.0	2.0	2.0	179.42	-19.9	0.2	19.9	15.5	4.42	4.503	
575.0	575.0	575.0	575.0	2.1	2.1	179.42	-19.9	0.2	19.9	15.4	4.53	4.394	
600.0	600.0	600.0	600.0	2.1	2.1	179.42	-19.9	0.2	19.9	15.3	4.64	4.291	
625.0	625.0	625.0	625.0	2.2	2.2	179.42	-19.9	0.2	19.9	15.2	4.74	4.199	
650.0	650.0	650.0	650.0	2.2	2.2	179.42	-19.9	0.2	19.9	15.1	4.84	4.111	
675.0	675.0	675.0	675.0	2.3	2.3	179.42	-19.9	0.2	19.9	15.0	4.94	4.026	
700.0	700.0	700.0	700.0	2.3	2.3	179.42	-19.9	0.2	19.9	14.9	5.04	3.945	
725.0	725.0	725.0	725.0	2.4	2.4	179.42	-19.9	0.2	19.9	14.8	5.14	3.872	
750.0	750.0	750.0	750.0	2.4	2.4	179.42	-19.9	0.2	19.9	14.7	5.24	3.801	
775.0	775.0	775.0	775.0	2.5	2.5	179.42	-19.9	0.2	19.9	14.6	5.33	3.733	
800.0	800.0	800.0	800.0	2.5	2.5	179.42	-19.9	0.2	19.9	14.5	5.43	3.667	
825.0	825.0	825.0	825.0	2.6	2.6	179.42	-19.9	0.2	19.9	14.4	5.52	3.606	
850.0	850.0	850.0	850.0	2.6	2.6	179.42	-19.9	0.2	19.9	14.3	5.61	3.548	
875.0	875.0	875.0	875.0	2.6	2.6	179.42	-19.9	0.2	19.9	14.2	5.70	3.491	
900.0	900.0	900.0	900.0	2.7	2.7	179.42	-19.9	0.2	19.9	14.1	5.79	3.436	
925.0	925.0	925.0	925.0	2.7	2.7	179.42	-19.9	0.2	19.9	14.0	5.88	3.385	
950.0	950.0	950.0	950.0	2.8	2.8	179.42	-19.9	0.2	19.9	13.9	5.97	3.335	
975.0	975.0	975.0	975.0	2.8	2.8	179.42	-19.9	0.2	19.9	13.8	6.05	3.287	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	179.42	-19.9	0.2	19.9	13.8	6.14	3.240	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	179.42	-19.9	0.2	19.9	13.7	6.23	3.197	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	179.42	-19.9	0.2	19.9	13.6	6.31	3.154	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	179.42	-19.9	0.2	19.9	13.5	6.39	3.112	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	179.42	-19.9	0.2	19.9	13.4	6.48	3.072	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	179.42	-19.9	0.2	19.9	13.3	6.56	3.033	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	179.42	-19.9	0.2	19.9	13.3	6.64	2.996	Normal Operations
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	179.42	-19.9	0.2	19.9	13.2	6.72	2.960	Normal Operations
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	179.42	-19.9	0.2	19.9	13.1	6.81	2.924	Normal Operations
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	179.42	-19.9	0.2	19.9	13.0	6.89	2.890	Normal Operations
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	179.42	-19.9	0.2	19.9	12.9	6.97	2.857	Normal Operations

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9477-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	179.42	-19.9	0.2	19.9	12.9	7.04	2.825	Normal Operations
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	179.42	-19.9	0.2	19.9	12.8	7.12	2.793	Normal Operations
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	179.42	-19.9	0.2	19.9	12.7	7.20	2.763	Normal Operations
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	179.42	-19.9	0.2	19.9	12.6	7.28	2.734	Normal Operations
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	179.42	-19.9	0.2	19.9	12.5	7.36	2.705	Normal Operations
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	179.42	-19.9	0.2	19.9	12.5	7.43	2.677	Normal Operations
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	179.42	-19.9	0.2	19.9	12.4	7.51	2.650	Normal Operations
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	179.42	-19.9	0.2	19.9	12.3	7.59	2.623	Normal Operations
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	179.42	-19.9	0.2	19.9	12.2	7.66	2.597	Normal Operations
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	179.42	-19.9	0.2	19.9	12.2	7.74	2.571	Normal Operations, CC
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	179.73	-19.9	0.1	19.9	12.1	7.81	2.552	Normal Operations, ES
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.7	-179.37	-20.0	-0.2	20.0	12.1	7.88	2.540	Normal Operations
1,575.0	1,575.0	1,574.9	1,574.8	3.8	3.8	-177.88	-20.2	-0.7	20.2	12.2	7.95	2.537	Normal Operations, SF
1,600.0	1,600.0	1,599.8	1,599.8	3.8	3.8	-175.84	-20.3	-1.5	20.4	12.4	8.02	2.544	Normal Operations
1,625.0	1,625.0	1,624.7	1,624.7	3.9	3.9	-173.30	-20.6	-2.4	20.7	12.6	8.10	2.560	Normal Operations
1,650.0	1,650.0	1,649.6	1,649.5	3.9	3.9	-170.31	-20.9	-3.6	21.2	13.0	8.19	2.592	Normal Operations
1,675.0	1,675.0	1,674.5	1,674.4	3.9	4.0	-166.95	-21.3	-4.9	21.8	13.6	8.27	2.642	Normal Operations
1,700.0	1,700.0	1,699.3	1,699.2	4.0	4.0	-163.33	-21.7	-6.5	22.7	14.3	8.35	2.714	Normal Operations
1,725.0	1,725.0	1,724.2	1,723.9	4.0	4.1	-159.55	-22.2	-8.3	23.7	15.3	8.43	2.810	Normal Operations
1,750.0	1,750.0	1,748.9	1,748.6	4.1	4.2	-155.72	-22.7	-10.2	24.9	16.4	8.51	2.932	Normal Operations
1,775.0	1,775.0	1,773.7	1,773.3	4.1	4.3	-151.92	-23.3	-12.4	26.4	17.9	8.58	3.081	
1,800.0	1,800.0	1,798.4	1,797.9	4.1	4.3	-148.26	-23.9	-14.8	28.2	19.5	8.66	3.256	
1,825.0	1,825.0	1,823.1	1,822.4	4.2	4.4	-144.77	-24.6	-17.4	30.2	21.5	8.75	3.457	
1,850.0	1,850.0	1,847.7	1,846.8	4.2	4.5	-141.52	-25.4	-20.2	32.5	23.7	8.83	3.685	
1,875.0	1,875.0	1,872.2	1,871.2	4.2	4.6	-138.51	-26.2	-23.1	35.1	26.2	8.92	3.936	
1,900.0	1,900.0	1,896.8	1,895.5	4.3	4.7	-135.76	-27.0	-26.3	38.0	28.9	9.02	4.210	
1,925.0	1,925.0	1,921.2	1,919.7	4.3	4.8	-133.25	-27.9	-29.7	41.1	31.9	9.11	4.505	
1,950.0	1,950.0	1,945.6	1,943.8	4.3	4.9	-130.99	-28.9	-33.2	44.4	35.2	9.22	4.821	
1,975.0	1,975.0	1,969.9	1,967.8	4.4	5.0	-128.94	-29.9	-36.9	48.0	38.7	9.32	5.154	
2,000.0	2,000.0	1,994.2	1,991.7	4.4	5.0	-127.10	-30.9	-40.9	51.9	42.5	9.43	5.505	
2,025.0	2,025.0	2,018.4	2,015.6	4.4	5.1	-47.63	-32.0	-45.0	55.9	46.4	9.55	5.856	
2,050.0	2,050.0	2,042.5	2,039.3	4.5	5.2	-46.29	-33.2	-49.3	60.1	50.4	9.68	6.205	
2,075.0	2,075.0	2,066.7	2,063.0	4.5	5.3	-45.19	-34.4	-53.8	64.2	54.4	9.80	6.553	
2,100.0	2,100.0	2,090.7	2,086.6	4.5	5.4	-44.30	-35.6	-58.4	68.5	58.6	9.93	6.899	
2,125.0	2,125.0	2,114.8	2,110.1	4.6	5.5	-43.58	-36.9	-63.3	72.8	62.7	10.08	7.224	
2,150.0	2,149.9	2,138.8	2,133.5	4.6	5.6	-42.99	-38.3	-68.3	77.2	66.9	10.23	7.542	
2,175.0	2,174.9	2,162.8	2,156.9	4.7	5.7	-42.53	-39.7	-73.5	81.6	71.2	10.38	7.856	
2,200.0	2,199.8	2,186.7	2,180.1	4.7	5.8	-42.17	-41.1	-78.9	86.0	75.5	10.54	8.164	
2,225.0	2,224.8	2,210.6	2,203.3	4.7	5.9	-41.90	-42.6	-84.5	90.5	79.8	10.69	8.465	
2,250.0	2,249.7	2,234.4	2,226.4	4.8	6.0	-41.70	-44.1	-90.2	95.0	84.2	10.85	8.759	
2,275.0	2,274.6	2,258.2	2,249.4	4.8	6.1	-41.57	-45.7	-96.2	99.6	88.6	11.01	9.048	
2,300.0	2,299.5	2,282.0	2,272.3	4.9	6.2	-41.50	-47.3	-102.2	104.2	93.0	11.16	9.334	
2,325.0	2,324.3	2,305.7	2,295.1	4.9	6.3	-41.47	-49.0	-108.5	108.8	97.5	11.32	9.615	
2,350.0	2,349.1	2,329.3	2,317.8	5.0	6.4	-41.48	-50.8	-114.9	113.5	102.0	11.46	9.905	
2,375.0	2,373.9	2,353.0	2,340.4	5.1	6.5	-41.54	-52.5	-121.6	118.2	106.6	11.60	10.193	
2,400.0	2,398.7	2,376.6	2,363.0	5.1	6.6	-41.62	-54.3	-128.3	123.0	111.2	11.74	10.478	
2,425.0	2,423.4	2,401.2	2,386.4	5.2	6.7	-41.76	-56.3	-135.5	127.6	115.8	11.87	10.749	
2,450.0	2,448.2	2,425.8	2,409.9	5.3	6.8	-41.95	-58.2	-142.6	132.2	120.1	12.03	10.986	
2,475.0	2,472.8	2,450.4	2,433.3	5.4	6.8	-42.18	-60.1	-149.8	136.5	124.3	12.18	11.205	
2,500.0	2,497.5	2,475.0	2,456.8	5.5	6.9	-42.47	-62.0	-156.9	140.7	128.4	12.34	11.407	
2,525.0	2,522.1	2,500.1	2,480.8	5.5	7.0	-42.76	-63.8	-164.2	144.7	132.2	12.47	11.605	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,550.0	2,546.6	2,525.3	2,504.8	5.6	7.1	-43.01	-65.5	-171.6	148.5	135.9	12.63	11.754	
2,575.0	2,571.1	2,550.6	2,528.9	5.7	7.2	-43.23	-66.9	-179.0	152.0	139.2	12.80	11.880	
2,600.0	2,595.6	2,575.9	2,553.1	5.7	7.3	-43.44	-68.1	-186.5	155.4	142.4	12.95	12.003	
2,625.0	2,620.1	2,601.2	2,577.3	5.8	7.4	-43.57	-69.1	-194.0	158.7	145.6	13.12	12.092	
2,650.0	2,644.6	2,626.6	2,601.5	5.9	7.5	-43.62	-69.8	-201.6	161.9	148.6	13.29	12.184	
2,675.0	2,669.1	2,652.0	2,625.7	5.9	7.6	-43.59	-70.4	-209.2	165.0	151.5	13.45	12.266	
2,700.0	2,693.6	2,677.1	2,649.6	6.0	7.7	-43.51	-70.7	-216.7	168.0	154.4	13.61	12.345	
2,725.0	2,718.1	2,701.9	2,673.3	6.1	7.8	-43.42	-71.0	-224.2	171.0	157.3	13.76	12.426	
2,750.0	2,742.6	2,726.7	2,697.0	6.2	7.9	-43.33	-71.3	-231.6	174.1	160.1	13.94	12.489	
2,775.0	2,767.1	2,751.5	2,720.6	6.3	8.0	-43.24	-71.6	-239.1	177.1	163.0	14.11	12.550	
2,800.0	2,791.6	2,776.3	2,744.3	6.4	8.1	-43.16	-71.9	-246.5	180.1	165.8	14.28	12.609	
2,825.0	2,816.1	2,801.2	2,768.0	6.4	8.2	-43.08	-72.2	-254.0	183.1	168.7	14.46	12.665	
2,850.0	2,840.6	2,826.0	2,791.6	6.5	8.3	-43.00	-72.5	-261.4	186.2	171.5	14.64	12.718	
2,875.0	2,865.1	2,850.8	2,815.3	6.6	8.4	-42.93	-72.8	-268.9	189.2	174.4	14.82	12.769	
2,900.0	2,889.6	2,875.6	2,839.0	6.7	8.5	-42.86	-73.1	-276.4	192.2	177.2	14.99	12.818	
2,925.0	2,914.1	2,900.4	2,862.6	6.8	8.6	-42.79	-73.4	-283.8	195.2	180.0	15.17	12.865	
2,950.0	2,938.6	2,925.2	2,886.3	6.9	8.7	-42.72	-73.7	-291.3	198.2	182.9	15.36	12.909	
2,975.0	2,963.1	2,950.0	2,910.0	7.0	8.8	-42.65	-74.0	-298.7	201.3	185.7	15.54	12.952	
3,000.0	2,987.6	2,974.9	2,933.6	7.1	9.0	-42.59	-74.3	-306.2	204.3	188.6	15.72	12.994	
3,025.0	3,012.1	2,999.7	2,957.3	7.2	9.1	-42.53	-74.6	-313.6	207.3	191.4	15.91	13.033	
3,050.0	3,036.6	3,024.5	2,981.0	7.2	9.2	-42.47	-74.9	-321.1	210.3	194.3	16.09	13.070	
3,075.0	3,061.1	3,049.3	3,004.6	7.3	9.3	-42.41	-75.2	-328.6	213.4	197.1	16.28	13.106	
3,100.0	3,085.6	3,074.1	3,028.3	7.4	9.4	-42.35	-75.5	-336.0	216.4	199.9	16.47	13.141	
3,125.0	3,110.1	3,098.9	3,052.0	7.5	9.5	-42.30	-75.9	-343.5	219.4	202.8	16.66	13.174	
3,150.0	3,134.6	3,123.8	3,075.6	7.6	9.6	-42.24	-76.2	-350.9	222.5	205.6	16.85	13.206	
3,175.0	3,159.1	3,148.6	3,099.3	7.7	9.7	-42.19	-76.5	-358.4	225.5	208.4	17.04	13.236	
3,200.0	3,183.6	3,173.4	3,123.0	7.8	9.8	-42.14	-76.8	-365.8	228.5	211.3	17.23	13.266	
3,225.0	3,208.1	3,198.2	3,146.6	7.9	10.0	-42.09	-77.1	-373.3	231.5	214.1	17.42	13.294	
3,250.0	3,232.6	3,223.0	3,170.3	8.0	10.1	-42.04	-77.4	-380.7	234.6	217.0	17.61	13.320	
3,275.0	3,257.1	3,247.8	3,194.0	8.1	10.2	-41.99	-77.7	-388.2	237.6	219.8	17.80	13.346	
3,300.0	3,281.6	3,272.6	3,217.6	8.2	10.3	-41.95	-78.0	-395.7	240.6	222.6	18.00	13.371	
3,325.0	3,306.1	3,297.5	3,241.3	8.3	10.4	-41.90	-78.3	-403.1	243.6	225.5	18.19	13.395	
3,350.0	3,330.6	3,322.3	3,265.0	8.4	10.5	-41.86	-78.6	-410.6	246.7	228.3	18.38	13.417	
3,375.0	3,355.1	3,347.1	3,288.6	8.5	10.6	-41.82	-78.9	-418.0	249.7	231.1	18.58	13.439	
3,400.0	3,379.6	3,371.9	3,312.3	8.6	10.8	-41.77	-79.2	-425.5	252.7	234.0	18.78	13.460	
3,425.0	3,404.1	3,396.7	3,336.0	8.7	10.9	-41.73	-79.5	-432.9	255.8	236.8	18.97	13.480	
3,450.0	3,428.6	3,421.5	3,359.6	8.8	11.0	-41.69	-79.8	-440.4	258.8	239.6	19.17	13.500	
3,475.0	3,453.1	3,446.4	3,383.3	8.9	11.1	-41.66	-80.1	-447.9	261.8	242.4	19.37	13.518	
3,500.0	3,477.6	3,471.2	3,407.0	9.0	11.2	-41.62	-80.4	-455.3	264.8	245.3	19.57	13.536	
3,525.0	3,502.1	3,496.0	3,430.6	9.1	11.3	-41.58	-80.7	-462.8	267.9	248.1	19.76	13.553	
3,550.0	3,526.6	3,520.8	3,454.3	9.2	11.4	-41.54	-81.0	-470.2	270.9	250.9	19.96	13.570	
3,575.0	3,551.1	3,545.6	3,478.0	9.3	11.6	-41.51	-81.3	-477.7	273.9	253.8	20.16	13.585	
3,600.0	3,575.6	3,570.4	3,501.6	9.4	11.7	-41.47	-81.6	-485.1	277.0	256.6	20.36	13.601	
3,625.0	3,600.1	3,595.2	3,525.3	9.5	11.8	-41.44	-81.9	-492.6	280.0	259.4	20.56	13.615	
3,650.0	3,624.6	3,620.1	3,549.0	9.6	11.9	-41.41	-82.2	-500.0	283.0	262.3	20.77	13.629	
3,675.0	3,649.1	3,644.9	3,572.6	9.8	12.0	-41.38	-82.5	-507.5	286.0	265.1	20.97	13.643	
3,700.0	3,673.6	3,669.7	3,596.3	9.9	12.2	-41.34	-82.8	-515.0	289.1	267.9	21.17	13.656	
3,725.0	3,698.1	3,694.5	3,620.0	10.0	12.3	-41.31	-83.1	-522.4	292.1	270.7	21.37	13.668	
3,750.0	3,722.6	3,719.3	3,643.6	10.1	12.4	-41.28	-83.4	-529.9	295.1	273.6	21.57	13.680	
3,775.0	3,747.1	3,744.1	3,667.3	10.2	12.5	-41.25	-83.7	-537.3	298.2	276.4	21.78	13.692	
3,800.0	3,771.6	3,769.0	3,691.0	10.3	12.6	-41.22	-84.0	-544.8	301.2	279.2	21.98	13.703	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,825.0	3,796.1	3,793.8	3,714.6	10.4	12.7	-41.19	-84.3	-552.2	304.2	282.0	22.18	13.714	
3,850.0	3,820.6	3,818.6	3,738.3	10.5	12.9	-41.17	-84.6	-559.7	307.3	284.9	22.39	13.724	
3,875.0	3,845.1	3,843.4	3,762.0	10.6	13.0	-41.14	-84.9	-567.2	310.3	287.7	22.59	13.734	
3,900.0	3,869.5	3,868.2	3,785.6	10.7	13.1	-41.11	-85.2	-574.6	313.3	290.5	22.80	13.744	
3,925.0	3,894.0	3,893.0	3,809.3	10.8	13.2	-41.08	-85.5	-582.1	316.3	293.3	23.00	13.753	
3,950.0	3,918.5	3,917.8	3,833.0	10.9	13.3	-41.06	-85.8	-589.5	319.4	296.2	23.21	13.762	
3,975.0	3,943.0	3,942.7	3,856.6	11.0	13.5	-41.03	-86.1	-597.0	322.4	299.0	23.41	13.770	
4,000.0	3,967.5	3,967.5	3,880.3	11.1	13.6	-41.01	-86.4	-604.4	325.4	301.8	23.62	13.778	
4,025.0	3,992.0	3,992.3	3,904.0	11.2	13.7	-40.98	-86.7	-611.9	328.5	304.6	23.83	13.786	
4,050.0	4,016.5	4,017.1	3,927.6	11.4	13.8	-40.96	-87.0	-619.3	331.5	307.5	24.03	13.794	
4,075.0	4,041.0	4,041.9	3,951.3	11.5	13.9	-40.94	-87.3	-626.8	334.5	310.3	24.24	13.801	
4,100.0	4,065.5	4,066.7	3,975.0	11.6	14.1	-40.91	-87.6	-634.3	337.6	313.1	24.45	13.808	
4,125.0	4,090.0	4,091.6	3,998.6	11.7	14.2	-40.89	-87.9	-641.7	340.6	315.9	24.65	13.815	
4,150.0	4,114.5	4,116.4	4,022.3	11.8	14.3	-40.87	-88.2	-649.2	343.6	318.8	24.86	13.821	
4,175.0	4,139.0	4,141.2	4,046.0	11.9	14.4	-40.85	-88.5	-656.6	346.6	321.6	25.07	13.828	
4,200.0	4,163.5	4,166.0	4,069.6	12.0	14.5	-40.82	-88.9	-664.1	349.7	324.4	25.28	13.834	
4,225.0	4,188.0	4,190.8	4,093.3	12.1	14.7	-40.80	-89.2	-671.5	352.7	327.2	25.49	13.840	
4,250.0	4,212.5	4,215.6	4,117.0	12.2	14.8	-40.78	-89.5	-679.0	355.7	330.0	25.69	13.845	
4,275.0	4,237.0	4,240.4	4,140.6	12.3	14.9	-40.76	-89.8	-686.5	358.8	332.9	25.90	13.850	
4,300.0	4,261.5	4,265.3	4,164.3	12.4	15.0	-40.74	-90.1	-693.9	361.8	335.7	26.11	13.856	
4,325.0	4,286.0	4,290.1	4,188.0	12.6	15.1	-40.72	-90.4	-701.4	364.8	338.5	26.32	13.861	
4,350.0	4,310.5	4,314.9	4,211.6	12.7	15.3	-40.70	-90.7	-708.8	367.9	341.3	26.53	13.866	
4,375.0	4,335.0	4,339.7	4,235.3	12.8	15.4	-40.68	-91.0	-716.3	370.9	344.2	26.74	13.870	
4,400.0	4,359.5	4,364.5	4,259.0	12.9	15.5	-40.66	-91.3	-723.7	373.9	347.0	26.95	13.875	
4,425.0	4,384.0	4,389.3	4,282.6	13.0	15.6	-40.64	-91.6	-731.2	377.0	349.8	27.16	13.879	
4,450.0	4,408.5	4,414.1	4,306.3	13.1	15.8	-40.63	-91.9	-738.6	380.0	352.6	27.37	13.883	
4,475.0	4,433.0	4,439.0	4,330.0	13.2	15.9	-40.61	-92.2	-746.1	383.0	355.4	27.58	13.887	
4,500.0	4,457.5	4,463.8	4,353.6	13.3	16.0	-40.59	-92.5	-753.6	386.0	358.3	27.79	13.891	
4,525.0	4,482.0	4,488.6	4,377.3	13.4	16.1	-40.57	-92.8	-761.0	389.1	361.1	28.00	13.895	
4,550.0	4,506.5	4,513.4	4,401.0	13.6	16.2	-40.56	-93.1	-768.5	392.1	363.9	28.21	13.898	
4,575.0	4,531.0	4,538.2	4,424.6	13.7	16.4	-40.54	-93.4	-775.9	395.1	366.7	28.42	13.902	
4,600.0	4,555.5	4,563.0	4,448.3	13.8	16.5	-40.52	-93.7	-783.4	398.2	369.5	28.64	13.905	
4,625.0	4,580.0	4,587.9	4,472.0	13.9	16.6	-40.50	-94.0	-790.8	401.2	372.4	28.85	13.908	
4,650.0	4,604.5	4,612.7	4,495.6	14.0	16.7	-40.49	-94.3	-798.3	404.2	375.2	29.06	13.911	
4,675.0	4,629.0	4,637.5	4,519.3	14.1	16.9	-40.47	-94.6	-805.8	407.3	378.0	29.27	13.914	
4,700.0	4,653.5	4,662.3	4,543.0	14.2	17.0	-40.46	-94.9	-813.2	410.3	380.8	29.48	13.917	
4,725.0	4,678.0	4,687.1	4,566.6	14.3	17.1	-40.44	-95.2	-820.7	413.3	383.6	29.69	13.919	
4,750.0	4,702.5	4,711.9	4,590.3	14.5	17.2	-40.43	-95.5	-828.1	416.4	386.5	29.91	13.922	
4,775.0	4,727.0	4,736.7	4,614.0	14.6	17.3	-40.41	-95.8	-835.6	419.4	389.3	30.12	13.925	
4,800.0	4,751.5	4,761.6	4,637.6	14.7	17.5	-40.40	-96.1	-843.0	422.4	392.1	30.33	13.927	
4,825.0	4,776.0	4,786.4	4,661.3	14.8	17.6	-40.38	-96.4	-850.5	425.5	394.9	30.54	13.929	
4,850.0	4,800.5	4,811.2	4,685.0	14.9	17.7	-40.37	-96.7	-857.9	428.5	397.7	30.76	13.932	
4,875.0	4,825.0	4,836.0	4,708.6	15.0	17.8	-40.35	-97.0	-865.4	431.5	400.6	30.97	13.934	
4,900.0	4,849.5	4,860.8	4,732.3	15.1	18.0	-40.34	-97.3	-872.9	434.6	403.4	31.18	13.936	
4,925.0	4,874.0	4,885.6	4,756.0	15.2	18.1	-40.33	-97.6	-880.3	437.6	406.2	31.40	13.938	
4,950.0	4,898.5	4,910.5	4,779.6	15.4	18.2	-40.31	-97.9	-887.8	440.6	409.0	31.61	13.940	
4,975.0	4,923.0	4,935.3	4,803.3	15.5	18.3	-40.30	-98.2	-895.2	443.6	411.8	31.82	13.941	
5,000.0	4,947.5	4,960.1	4,827.0	15.6	18.5	-40.28	-98.5	-902.7	446.7	414.6	32.04	13.943	
5,025.0	4,972.0	4,984.9	4,850.6	15.7	18.6	-40.27	-98.8	-910.1	449.7	417.5	32.25	13.945	
5,050.0	4,996.5	5,009.7	4,874.3	15.8	18.7	-40.26	-99.1	-917.6	452.7	420.3	32.46	13.946	
5,075.0	5,021.0	5,034.5	4,898.0	15.9	18.8	-40.25	-99.4	-925.1	455.8	423.1	32.68	13.948	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,100.0	5,045.5	5,059.3	4,921.6	16.0	18.9	-40.23	-99.7	-932.5	458.8	425.9	32.89	13.949	
5,125.0	5,070.0	5,084.2	4,945.3	16.1	19.1	-40.22	-100.0	-940.0	461.8	428.7	33.11	13.951	
5,150.0	5,094.5	5,109.0	4,969.0	16.3	19.2	-40.21	-100.3	-947.4	464.9	431.6	33.32	13.952	
5,175.0	5,119.0	5,133.8	4,992.6	16.4	19.3	-40.20	-100.6	-954.9	467.9	434.4	33.53	13.953	
5,200.0	5,143.5	5,158.6	5,016.3	16.5	19.4	-40.19	-100.9	-962.3	470.9	437.2	33.75	13.954	
5,225.0	5,168.0	5,183.4	5,040.0	16.6	19.6	-40.17	-101.2	-969.8	474.0	440.0	33.96	13.956	
5,250.0	5,192.4	5,208.2	5,063.6	16.7	19.7	-40.16	-101.5	-977.2	477.0	442.8	34.18	13.957	
5,275.0	5,216.9	5,233.1	5,087.3	16.8	19.8	-40.15	-101.9	-984.7	480.0	445.6	34.39	13.958	
5,300.0	5,241.4	5,257.9	5,111.0	16.9	19.9	-40.14	-102.2	-992.2	483.1	448.5	34.61	13.959	
5,325.0	5,265.9	5,282.7	5,134.6	17.1	20.1	-40.13	-102.5	-999.6	486.1	451.3	34.82	13.960	
5,350.0	5,290.4	5,307.5	5,158.3	17.2	20.2	-40.12	-102.8	-1,007.1	489.1	454.1	35.04	13.961	
5,375.0	5,314.9	5,332.3	5,182.0	17.3	20.3	-40.11	-103.1	-1,014.5	492.2	456.9	35.25	13.962	
5,400.0	5,339.4	5,357.1	5,205.6	17.4	20.4	-40.09	-103.4	-1,022.0	495.2	459.7	35.47	13.962	
5,425.0	5,363.9	5,381.9	5,229.3	17.5	20.6	-40.08	-103.7	-1,029.4	498.2	462.5	35.68	13.963	
5,450.0	5,388.4	5,406.8	5,253.0	17.6	20.7	-40.07	-104.0	-1,036.9	501.3	465.4	35.90	13.964	
5,475.0	5,412.9	5,431.6	5,276.6	17.7	20.8	-40.06	-104.3	-1,044.4	504.3	468.2	36.11	13.965	
5,498.0	5,435.5	5,454.4	5,298.4	17.8	20.9	-40.05	-104.5	-1,051.2	507.1	470.8	36.31	13.966	
5,500.0	5,437.4	5,456.4	5,300.3	17.8	20.9	-40.06	-104.6	-1,051.8	507.3	471.0	36.33	13.966	
5,525.0	5,461.9	5,481.2	5,323.9	18.0	21.1	-40.07	-104.9	-1,059.3	510.4	473.8	36.58	13.955	
5,550.0	5,486.5	5,506.0	5,347.6	18.1	21.2	-40.07	-105.2	-1,066.7	513.7	476.8	36.83	13.947	
5,575.0	5,511.1	5,530.8	5,371.2	18.3	21.3	-40.06	-105.5	-1,074.2	517.0	479.9	37.09	13.941	
5,600.0	5,535.7	5,555.5	5,394.8	18.4	21.4	-40.05	-105.8	-1,081.6	520.5	483.1	37.34	13.938	
5,625.0	5,560.3	5,580.2	5,418.4	18.6	21.6	-40.02	-106.1	-1,089.0	524.1	486.5	37.56	13.952	
5,650.0	5,585.0	5,605.0	5,442.0	18.7	21.7	-39.98	-106.4	-1,096.4	527.8	490.0	37.79	13.968	
5,675.0	5,609.7	5,629.6	5,465.5	18.8	21.8	-39.94	-106.7	-1,103.9	531.7	493.6	38.01	13.986	
5,700.0	5,634.4	5,654.3	5,489.0	18.9	21.9	-39.88	-107.0	-1,111.3	535.6	497.4	38.24	14.006	
5,725.0	5,659.1	5,679.0	5,512.6	19.0	22.0	-39.82	-107.3	-1,118.7	539.7	501.3	38.47	14.031	
5,750.0	5,683.9	5,703.6	5,536.0	19.1	22.2	-39.75	-107.6	-1,126.1	544.0	505.3	38.70	14.057	
5,775.0	5,708.7	5,728.2	5,559.5	19.2	22.3	-39.67	-107.9	-1,133.5	548.3	509.4	38.93	14.086	
5,800.0	5,733.5	5,752.7	5,582.9	19.3	22.4	-39.58	-108.2	-1,140.9	552.8	513.6	39.16	14.116	
5,825.0	5,758.3	5,777.3	5,606.3	19.4	22.5	-39.49	-108.5	-1,148.2	557.4	518.0	39.39	14.151	
5,850.0	5,783.1	5,801.8	5,629.7	19.5	22.7	-39.38	-108.8	-1,155.6	562.1	522.5	39.62	14.188	
5,875.0	5,808.0	5,826.2	5,653.0	19.6	22.8	-39.27	-109.1	-1,162.9	567.0	527.2	39.86	14.226	
5,900.0	5,832.9	5,850.7	5,676.3	19.7	22.9	-39.16	-109.4	-1,170.3	572.0	531.9	40.09	14.267	
5,925.0	5,857.8	5,875.1	5,699.6	19.8	23.0	-39.04	-109.7	-1,177.6	577.1	536.8	40.32	14.312	
5,950.0	5,882.7	5,899.5	5,722.9	19.9	23.2	-38.91	-110.0	-1,184.9	582.4	541.8	40.56	14.358	
5,975.0	5,907.6	5,923.8	5,746.1	20.0	23.3	-38.77	-110.3	-1,192.3	587.7	547.0	40.80	14.407	
6,000.0	5,932.5	5,948.1	5,769.3	20.1	23.4	-38.63	-110.6	-1,199.6	593.3	552.2	41.03	14.458	
6,025.0	5,957.5	5,972.4	5,792.4	20.2	23.5	-38.49	-110.9	-1,206.9	598.9	557.6	41.27	14.513	
6,050.0	5,982.4	5,996.6	5,815.5	20.3	23.6	-38.34	-111.2	-1,214.1	604.7	563.2	41.50	14.570	
6,075.0	6,007.4	6,020.8	5,838.6	20.4	23.8	-38.19	-111.4	-1,221.4	610.6	568.8	41.74	14.630	
6,100.0	6,032.4	6,045.0	5,861.6	20.5	23.9	-38.03	-111.7	-1,228.7	616.6	574.6	41.97	14.691	
6,125.0	6,057.4	6,069.1	5,884.6	20.5	24.0	-37.86	-112.0	-1,235.9	622.8	580.6	42.20	14.757	
6,150.0	6,082.4	6,093.2	5,907.6	20.6	24.1	-37.70	-112.3	-1,243.1	629.1	586.7	42.43	14.825	
6,175.0	6,107.3	6,117.2	5,930.5	20.7	24.3	-37.53	-112.6	-1,250.4	635.5	592.9	42.67	14.896	
6,200.0	6,132.3	6,141.2	5,953.4	20.8	24.4	-37.36	-112.9	-1,257.6	642.1	599.2	42.90	14.968	
6,225.0	6,157.3	6,165.1	5,976.2	20.8	24.5	-37.18	-113.2	-1,264.8	648.8	605.7	43.10	15.052	
6,250.0	6,182.3	6,189.0	5,999.0	20.8	24.6	-37.00	-113.5	-1,271.9	655.7	612.4	43.31	15.138	
6,264.7	6,197.0	6,203.0	6,012.3	20.9	24.7	-114.72	-113.7	-1,276.1	659.8	616.3	43.43	15.190	
6,275.0	6,207.3	6,212.9	6,021.7	20.9	24.7	-114.62	-113.8	-1,279.1	662.6	619.1	43.51	15.230	
6,300.0	6,232.3	6,236.7	6,044.5	20.9	24.9	-114.38	-114.1	-1,286.3	669.7	626.0	43.69	15.326	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,325.0	6,257.3	6,260.6	6,067.2	20.9	25.0	-114.14	-114.4	-1,293.4	676.7	632.8	43.88	15.420	
6,350.0	6,282.3	6,287.5	6,093.0	20.9	25.1	-113.88	-114.7	-1,301.5	683.7	639.6	44.09	15.505	
6,375.0	6,307.3	6,318.4	6,122.5	20.9	25.3	-113.59	-115.1	-1,310.5	690.5	646.1	44.34	15.574	
6,400.0	6,332.3	6,349.4	6,152.3	20.9	25.4	-113.32	-115.4	-1,319.2	697.1	652.5	44.58	15.637	
6,425.0	6,357.3	6,380.7	6,182.4	20.9	25.6	-113.07	-115.8	-1,327.6	703.4	658.6	44.81	15.696	
6,450.0	6,382.3	6,412.1	6,212.7	20.9	25.7	-112.83	-116.1	-1,335.8	709.5	664.5	45.04	15.752	
6,475.0	6,407.3	6,443.7	6,243.3	20.9	25.9	-112.60	-116.4	-1,343.6	715.4	670.1	45.26	15.806	
6,500.0	6,432.3	6,475.5	6,274.2	20.9	26.1	-112.39	-116.7	-1,351.2	721.0	675.5	45.47	15.855	
6,525.0	6,457.3	6,507.5	6,305.3	21.0	26.2	-112.19	-117.0	-1,358.4	726.3	680.6	45.68	15.901	
6,550.0	6,482.3	6,539.6	6,336.7	21.0	26.4	-112.00	-117.3	-1,365.4	731.4	685.5	45.87	15.944	
6,575.0	6,507.3	6,571.8	6,368.3	21.0	26.5	-111.82	-117.6	-1,372.0	736.3	690.2	46.06	15.984	
6,600.0	6,532.3	6,604.3	6,400.1	21.0	26.7	-111.66	-117.8	-1,378.3	740.9	694.6	46.25	16.019	
6,625.0	6,557.3	6,636.8	6,432.1	21.0	26.9	-111.50	-118.1	-1,384.3	745.2	698.8	46.42	16.054	
6,650.0	6,582.3	6,669.5	6,464.3	21.0	27.0	-111.36	-118.3	-1,389.9	749.3	702.7	46.58	16.085	
6,675.0	6,607.3	6,702.4	6,496.7	21.0	27.2	-111.23	-118.5	-1,395.2	753.1	706.3	46.74	16.112	
6,700.0	6,632.3	6,735.3	6,529.3	21.0	27.3	-111.10	-118.7	-1,400.1	756.6	709.7	46.88	16.138	
6,725.0	6,657.3	6,768.4	6,562.0	21.0	27.5	-110.99	-118.9	-1,404.6	759.9	712.9	47.02	16.160	
6,750.0	6,682.3	6,801.5	6,594.9	21.0	27.6	-110.89	-119.0	-1,408.8	762.9	715.7	47.15	16.179	
6,775.0	6,707.3	6,834.8	6,627.9	21.1	27.7	-110.80	-119.2	-1,412.7	765.6	718.3	47.27	16.198	
6,800.0	6,732.3	6,868.1	6,661.1	21.1	27.9	-110.72	-119.3	-1,416.1	768.1	720.7	47.38	16.212	
6,825.0	6,757.3	6,901.5	6,694.4	21.1	28.0	-110.65	-119.5	-1,419.2	770.3	722.8	47.48	16.224	
6,850.0	6,782.3	6,935.0	6,727.7	21.1	28.1	-110.58	-119.6	-1,421.9	772.2	724.6	47.56	16.236	
6,875.0	6,807.3	6,968.5	6,761.2	21.1	28.3	-110.53	-119.7	-1,424.2	773.8	726.2	47.63	16.244	
6,900.0	6,832.3	7,002.1	6,794.7	21.1	28.4	-110.48	-119.7	-1,426.1	775.1	727.4	47.70	16.249	
6,925.0	6,857.3	7,035.7	6,828.3	21.1	28.5	-110.45	-119.8	-1,427.6	776.2	728.5	47.74	16.258	
6,950.0	6,882.3	7,069.4	6,862.0	21.1	28.6	-110.42	-119.9	-1,428.7	777.0	729.2	47.78	16.263	
6,975.0	6,907.3	7,103.1	6,895.6	21.1	28.7	-110.41	-119.9	-1,429.4	777.5	729.7	47.80	16.266	
7,000.0	6,932.3	7,136.8	6,929.3	21.1	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.75	16.288	
7,025.0	6,957.3	7,164.8	6,957.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.74	16.292	
7,050.0	6,982.3	7,189.8	6,982.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.75	16.288	
7,075.0	7,007.3	7,214.8	7,007.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.77	16.283	
7,100.0	7,032.3	7,239.8	7,032.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.78	16.277	
7,125.0	7,057.3	7,264.8	7,057.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.80	16.271	
7,150.0	7,082.3	7,289.8	7,082.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	730.0	47.82	16.266	
7,175.0	7,107.3	7,314.8	7,107.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.83	16.260	
7,200.0	7,132.3	7,339.8	7,132.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.85	16.255	
7,225.0	7,157.3	7,364.8	7,157.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.87	16.249	
7,250.0	7,182.3	7,389.8	7,182.3	21.2	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.88	16.244	
7,275.0	7,207.3	7,414.8	7,207.3	21.3	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.90	16.238	
7,300.0	7,232.3	7,439.8	7,232.3	21.3	28.8	-110.40	-119.9	-1,429.8	777.8	729.9	47.92	16.232	
7,325.0	7,257.3	7,464.8	7,257.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	47.93	16.227	
7,350.0	7,282.3	7,489.8	7,282.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	47.95	16.221	
7,375.0	7,307.3	7,514.8	7,307.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	47.97	16.215	
7,400.0	7,332.3	7,539.8	7,332.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	47.98	16.210	
7,425.0	7,357.3	7,564.8	7,357.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	48.00	16.204	
7,450.0	7,382.3	7,589.8	7,382.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.8	48.02	16.198	
7,475.0	7,407.3	7,614.8	7,407.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.03	16.193	
7,500.0	7,432.3	7,639.8	7,432.3	21.3	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.05	16.187	
7,525.0	7,457.3	7,664.8	7,457.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.07	16.181	
7,550.0	7,482.3	7,689.8	7,482.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.08	16.176	
7,575.0	7,507.3	7,714.8	7,507.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.10	16.170	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,600.0	7,532.3	7,739.8	7,532.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.7	48.12	16.164	
7,625.0	7,557.3	7,764.8	7,557.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.6	48.13	16.159	
7,650.0	7,582.3	7,789.8	7,582.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.6	48.15	16.153	
7,675.0	7,607.3	7,814.8	7,607.3	21.4	28.9	-110.40	-119.9	-1,429.8	777.8	729.6	48.17	16.147	
7,700.0	7,632.3	7,839.8	7,632.3	21.4	29.0	-110.40	-119.9	-1,429.8	777.8	729.6	48.18	16.142	
7,725.0	7,657.3	7,864.8	7,657.3	21.4	29.0	-110.40	-119.9	-1,429.8	777.8	729.6	48.20	16.136	
7,750.0	7,682.3	7,889.8	7,682.3	21.4	29.0	-110.40	-119.9	-1,429.8	777.8	729.6	48.22	16.130	
7,775.0	7,707.3	7,914.8	7,707.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.24	16.125	
7,800.0	7,732.3	7,939.8	7,732.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.25	16.119	
7,825.0	7,757.3	7,964.8	7,757.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.27	16.113	
7,850.0	7,782.3	7,989.8	7,782.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.29	16.107	
7,875.0	7,807.3	8,014.8	7,807.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.30	16.102	
7,900.0	7,832.3	8,039.8	7,832.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.5	48.32	16.096	
7,925.0	7,857.3	8,064.8	7,857.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.34	16.090	
7,950.0	7,882.3	8,089.8	7,882.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.36	16.084	
7,975.0	7,907.3	8,114.8	7,907.3	21.5	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.37	16.079	
8,000.0	7,932.3	8,139.8	7,932.3	21.6	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.39	16.073	
8,025.0	7,957.3	8,164.8	7,957.3	21.6	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.41	16.067	
8,050.0	7,982.3	8,189.8	7,982.3	21.6	29.0	-110.40	-119.9	-1,429.8	777.8	729.4	48.43	16.061	
8,075.0	8,007.3	8,214.8	8,007.3	21.6	29.0	-110.40	-119.9	-1,429.8	777.8	729.3	48.44	16.055	
8,100.0	8,032.3	8,239.8	8,032.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.3	48.46	16.050	
8,125.0	8,057.3	8,264.8	8,057.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.3	48.48	16.044	
8,150.0	8,082.3	8,289.8	8,082.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.3	48.50	16.038	
8,175.0	8,107.3	8,314.8	8,107.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.3	48.51	16.032	
8,200.0	8,132.3	8,339.8	8,132.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.53	16.027	
8,225.0	8,157.3	8,364.8	8,157.3	21.6	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.55	16.021	
8,250.0	8,182.3	8,389.8	8,182.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.57	16.015	
8,275.0	8,207.3	8,414.8	8,207.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.58	16.009	
8,300.0	8,232.3	8,439.8	8,232.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.60	16.003	
8,325.0	8,257.3	8,464.8	8,257.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.2	48.62	15.997	
8,350.0	8,282.3	8,489.8	8,282.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.1	48.64	15.992	
8,375.0	8,307.3	8,514.8	8,307.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.1	48.65	15.986	
8,400.0	8,332.3	8,539.8	8,332.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.1	48.67	15.980	
8,425.0	8,357.3	8,564.8	8,357.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.1	48.69	15.974	
8,450.0	8,382.3	8,589.8	8,382.3	21.7	29.1	-110.40	-119.9	-1,429.8	777.8	729.1	48.71	15.968	
8,475.0	8,407.3	8,614.8	8,407.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.1	48.73	15.962	
8,500.0	8,432.3	8,639.8	8,432.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.0	48.74	15.956	
8,525.0	8,457.3	8,664.8	8,457.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.0	48.76	15.951	
8,550.0	8,482.3	8,689.8	8,482.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.0	48.78	15.945	
8,575.0	8,507.3	8,714.8	8,507.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.0	48.80	15.939	
8,600.0	8,532.3	8,739.8	8,532.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	729.0	48.82	15.933	
8,625.0	8,557.3	8,764.8	8,557.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.83	15.927	
8,650.0	8,582.3	8,789.8	8,582.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.85	15.921	
8,675.0	8,607.3	8,814.8	8,607.3	21.8	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.87	15.915	
8,700.0	8,632.3	8,839.8	8,632.3	21.9	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.89	15.909	
8,725.0	8,657.3	8,864.8	8,657.3	21.9	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.91	15.904	
8,750.0	8,682.3	8,889.8	8,682.3	21.9	29.2	-110.40	-119.9	-1,429.8	777.8	728.9	48.92	15.898	
8,775.0	8,707.3	8,914.8	8,707.3	21.9	29.2	-110.40	-119.9	-1,429.8	777.8	728.8	48.94	15.892	
8,800.0	8,732.3	8,939.8	8,732.3	21.9	29.2	-110.40	-119.9	-1,429.8	777.8	728.8	48.96	15.886	
8,825.0	8,757.3	8,964.8	8,757.3	21.9	29.3	-110.40	-119.9	-1,429.8	777.8	728.8	48.98	15.880	
8,850.0	8,782.3	8,989.8	8,782.3	21.9	29.3	-110.40	-119.9	-1,429.8	777.8	728.8	49.00	15.874	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,875.0	8,807.3	9,014.8	8,807.3	21.9	29.3	-110.40	-119.9	-1,429.8	777.8	728.8	49.02	15.868	
8,900.0	8,832.3	9,039.8	8,832.3	21.9	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.03	15.862	
8,925.0	8,857.3	9,064.8	8,857.3	21.9	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.05	15.856	
8,950.0	8,882.3	9,089.8	8,882.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.07	15.850	
8,975.0	8,907.3	9,114.8	8,907.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.09	15.844	
9,000.0	8,932.3	9,139.8	8,932.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.11	15.838	
9,025.0	8,957.3	9,164.8	8,957.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.7	49.13	15.832	
9,050.0	8,982.3	9,189.8	8,982.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.14	15.826	
9,075.0	9,007.3	9,214.8	9,007.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.16	15.821	
9,100.0	9,032.3	9,239.8	9,032.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.18	15.815	
9,125.0	9,057.3	9,264.8	9,057.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.19	15.810	
9,150.0	9,082.3	9,289.8	9,082.3	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.21	15.806	
9,161.2	9,093.6	9,301.0	9,093.6	22.0	29.3	-110.40	-119.9	-1,429.8	777.8	728.6	49.21	15.804	
9,175.0	9,107.3	9,314.8	9,107.3	22.0	29.4	-110.34	-119.9	-1,429.8	777.8	728.6	49.22	15.804	
9,200.0	9,132.3	9,339.8	9,132.3	22.0	29.4	-110.38	-119.9	-1,429.8	778.3	729.1	49.21	15.816	
9,225.0	9,157.1	9,364.6	9,157.1	22.0	29.4	-110.46	-119.9	-1,429.8	779.3	730.1	49.19	15.842	
9,250.0	9,181.8	9,389.3	9,181.8	22.0	29.4	-110.57	-119.9	-1,429.8	780.7	731.5	49.15	15.883	
9,275.0	9,206.3	9,413.7	9,206.3	22.1	29.4	-110.71	-119.9	-1,429.8	782.6	733.5	49.10	15.939	
9,300.0	9,230.4	9,437.9	9,230.4	22.1	29.4	-110.87	-119.9	-1,429.8	785.0	735.9	49.03	16.011	
9,325.0	9,254.1	9,461.6	9,254.1	22.1	29.4	-111.05	-119.9	-1,429.8	787.9	738.9	48.94	16.100	
9,350.0	9,277.5	9,501.0	9,293.6	22.1	29.4	-111.62	-119.3	-1,429.8	791.2	742.6	48.64	16.266	
9,375.0	9,300.3	9,575.6	9,367.4	22.1	29.4	-112.77	-109.8	-1,429.6	794.0	746.1	47.95	16.558	
9,400.0	9,322.5	9,642.9	9,432.1	22.1	29.4	-113.43	-91.3	-1,429.3	795.7	748.3	47.42	16.781	
9,425.0	9,344.1	9,737.8	9,517.6	22.1	29.4	-113.89	-50.4	-1,428.6	796.2	749.5	46.70	17.050	
9,450.0	9,365.0	9,820.5	9,584.2	22.1	29.4	-113.71	-1.6	-1,427.7	795.4	749.2	46.25	17.198	
9,475.0	9,385.2	9,900.6	9,639.7	22.1	29.4	-113.05	55.9	-1,426.7	793.4	747.4	45.97	17.258	
9,500.0	9,404.6	9,975.7	9,682.4	22.1	29.5	-112.02	117.7	-1,425.7	790.3	744.4	45.87	17.229	
9,525.0	9,423.1	10,044.6	9,712.6	22.1	29.5	-110.75	179.5	-1,424.6	786.2	740.3	45.92	17.123	
9,550.0	9,440.8	10,094.7	9,728.7	22.1	29.5	-109.76	226.9	-1,423.7	781.5	735.4	46.11	16.948	
9,575.0	9,457.4	10,163.0	9,742.7	22.1	29.6	-107.94	293.6	-1,422.6	776.4	730.0	46.36	16.746	
9,600.0	9,473.1	10,213.2	9,746.8	22.1	29.6	-106.56	343.7	-1,421.7	770.9	724.2	46.70	16.510	
9,625.0	9,487.8	10,239.3	9,747.1	22.1	29.7	-106.09	369.8	-1,421.3	765.6	718.5	47.04	16.276	
9,650.0	9,501.3	10,260.4	9,747.3	22.1	29.7	-105.83	390.9	-1,420.9	760.8	713.4	47.35	16.067	
9,675.0	9,513.8	10,282.2	9,747.5	22.2	29.7	-105.55	412.7	-1,420.5	756.5	708.9	47.64	15.879	
9,700.0	9,525.1	10,304.6	9,747.6	22.2	29.7	-105.26	435.1	-1,420.1	752.7	704.8	47.91	15.710	
9,725.0	9,535.2	10,327.5	9,747.8	22.2	29.8	-104.98	458.0	-1,419.7	749.5	701.3	48.17	15.559	
9,750.0	9,544.1	10,351.0	9,748.0	22.2	29.8	-104.71	481.4	-1,419.3	746.6	698.2	48.40	15.426	
9,775.0	9,551.7	10,374.8	9,748.2	22.2	29.9	-104.47	505.3	-1,418.9	744.2	695.6	48.61	15.311	
9,800.0	9,558.1	10,399.0	9,748.4	22.3	29.9	-104.27	529.5	-1,418.5	742.1	693.3	48.79	15.211	
9,825.0	9,563.3	10,423.5	9,748.6	22.3	29.9	-104.11	554.0	-1,418.0	740.4	691.5	48.96	15.125	
9,850.0	9,567.1	10,448.2	9,748.8	22.3	30.0	-104.01	578.7	-1,417.6	739.1	690.0	49.10	15.053	
9,875.0	9,569.6	10,473.1	9,749.0	22.3	30.0	-103.96	603.6	-1,417.2	738.1	688.8	49.22	14.996	
9,900.0	9,570.9	10,498.1	9,749.2	22.4	30.1	-103.97	628.5	-1,416.7	737.4	688.0	49.31	14.953	
9,907.4	9,571.0	10,505.5	9,749.2	22.4	30.1	-103.99	635.9	-1,416.6	737.2	687.9	49.34	14.943	
9,925.0	9,571.1	10,523.1	9,749.4	22.4	30.1	-103.99	653.5	-1,416.3	736.9	687.5	49.40	14.918	
9,950.0	9,571.3	10,548.1	9,749.6	22.4	30.2	-104.00	678.5	-1,415.9	736.4	687.0	49.48	14.882	
9,975.0	9,571.5	10,573.1	9,749.8	22.5	30.2	-104.01	703.5	-1,415.4	736.0	686.4	49.57	14.847	
10,000.0	9,571.7	10,598.1	9,750.0	22.5	30.2	-104.02	728.5	-1,415.0	735.5	685.9	49.66	14.812	
10,025.0	9,571.9	10,623.1	9,750.2	22.6	30.3	-104.03	753.5	-1,414.6	735.1	685.3	49.76	14.773	
10,050.0	9,572.1	10,648.1	9,750.4	22.6	30.4	-104.03	778.5	-1,414.1	734.6	684.8	49.86	14.734	
10,075.0	9,572.3	10,673.1	9,750.6	22.7	30.4	-104.04	803.5	-1,413.7	734.2	684.2	49.96	14.695	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
10,100.0	9,572.5	10,698.1	9,750.8	22.7	30.5	-104.05	828.5	-1,413.2	733.7	683.7	50.06	14.657	
10,125.0	9,572.7	10,723.1	9,751.0	22.8	30.5	-104.06	853.4	-1,412.8	733.3	683.1	50.17	14.615	
10,150.0	9,572.9	10,748.1	9,751.2	22.8	30.6	-104.07	878.4	-1,412.4	732.8	682.5	50.29	14.573	
10,175.0	9,573.2	10,773.0	9,751.4	22.9	30.6	-104.08	903.4	-1,411.9	732.4	682.0	50.40	14.531	
10,200.0	9,573.4	10,798.0	9,751.6	22.9	30.7	-104.09	928.4	-1,411.5	731.9	681.4	50.51	14.490	
10,225.0	9,573.6	10,823.0	9,751.8	23.0	30.8	-104.09	953.4	-1,411.1	731.5	680.8	50.64	14.445	
10,250.0	9,573.8	10,848.0	9,752.0	23.1	30.8	-104.10	978.4	-1,410.6	731.0	680.3	50.76	14.400	
10,275.0	9,574.0	10,873.0	9,752.1	23.1	30.9	-104.11	1,003.4	-1,410.2	730.6	679.7	50.89	14.356	
10,300.0	9,574.2	10,898.0	9,752.3	23.2	31.0	-104.12	1,028.4	-1,409.8	730.1	679.1	51.02	14.311	
10,325.0	9,574.4	10,923.0	9,752.5	23.3	31.0	-104.13	1,053.4	-1,409.3	729.7	678.5	51.15	14.264	
10,350.0	9,574.6	10,948.0	9,752.7	23.3	31.1	-104.14	1,078.4	-1,408.9	729.2	677.9	51.29	14.217	
10,375.0	9,574.8	10,973.0	9,752.9	23.4	31.2	-104.15	1,103.4	-1,408.4	728.8	677.3	51.43	14.170	
10,400.0	9,575.0	10,998.0	9,753.1	23.5	31.2	-104.16	1,128.3	-1,408.0	728.3	676.7	51.57	14.123	
10,425.0	9,575.2	11,023.0	9,753.3	23.6	31.3	-104.16	1,153.3	-1,407.6	727.9	676.1	51.72	14.074	
10,450.0	9,575.4	11,048.0	9,753.5	23.6	31.4	-104.17	1,178.3	-1,407.1	727.4	675.5	51.87	14.025	
10,475.0	9,575.6	11,073.0	9,753.7	23.7	31.5	-104.18	1,203.3	-1,406.7	727.0	674.9	52.02	13.976	
10,500.0	9,575.8	11,098.0	9,753.9	23.8	31.5	-104.19	1,228.3	-1,406.3	726.5	674.3	52.17	13.927	
10,525.0	9,576.0	11,123.0	9,754.1	23.9	31.6	-104.20	1,253.3	-1,405.8	726.0	673.7	52.33	13.875	
10,550.0	9,576.2	11,148.0	9,754.3	24.0	31.7	-104.21	1,278.3	-1,405.4	725.6	673.1	52.49	13.824	
10,575.0	9,576.4	11,173.0	9,754.5	24.0	31.8	-104.22	1,303.3	-1,405.0	725.1	672.5	52.65	13.774	
10,600.0	9,576.6	11,198.0	9,754.7	24.1	31.9	-104.23	1,328.3	-1,404.5	724.7	671.9	52.81	13.723	
10,625.0	9,576.8	11,223.0	9,754.9	24.2	31.9	-104.23	1,353.3	-1,404.1	724.2	671.3	52.98	13.670	
10,650.0	9,577.0	11,248.0	9,755.1	24.3	32.0	-104.24	1,378.3	-1,403.6	723.8	670.6	53.15	13.617	
10,675.0	9,577.2	11,273.0	9,755.3	24.4	32.1	-104.25	1,403.2	-1,403.2	723.3	670.0	53.32	13.565	
10,700.0	9,577.4	11,298.0	9,755.5	24.5	32.2	-104.26	1,428.2	-1,402.8	722.9	669.4	53.49	13.513	
10,725.0	9,577.6	11,323.0	9,755.7	24.6	32.3	-104.27	1,453.2	-1,402.3	722.4	668.8	53.68	13.459	
10,750.0	9,577.8	11,347.9	9,755.9	24.7	32.4	-104.28	1,478.2	-1,401.9	722.0	668.1	53.86	13.405	
10,775.0	9,578.0	11,372.9	9,756.1	24.8	32.5	-104.29	1,503.2	-1,401.5	721.5	667.5	54.04	13.352	
10,800.0	9,578.2	11,397.9	9,756.3	24.9	32.6	-104.30	1,528.2	-1,401.0	721.1	666.9	54.22	13.298	
10,825.0	9,578.4	11,422.9	9,756.5	25.0	32.7	-104.31	1,553.2	-1,400.6	720.6	666.2	54.41	13.243	
10,850.0	9,578.6	11,447.9	9,756.7	25.1	32.7	-104.31	1,578.2	-1,400.2	720.2	665.6	54.61	13.188	
10,875.0	9,578.8	11,472.9	9,756.9	25.2	32.8	-104.32	1,603.2	-1,399.7	719.7	664.9	54.80	13.134	
10,900.0	9,579.0	11,497.9	9,757.1	25.3	32.9	-104.33	1,628.2	-1,399.3	719.3	664.3	54.99	13.080	
10,925.0	9,579.2	11,522.9	9,757.3	25.4	33.0	-104.34	1,653.2	-1,398.9	718.8	663.6	55.19	13.024	
10,950.0	9,579.4	11,547.9	9,757.5	25.5	33.1	-104.35	1,678.1	-1,398.4	718.4	663.0	55.39	12.968	
10,975.0	9,579.6	11,572.9	9,757.7	25.6	33.2	-104.36	1,703.1	-1,398.0	717.9	662.3	55.60	12.913	
11,000.0	9,579.8	11,597.9	9,757.9	25.8	33.3	-104.37	1,728.1	-1,397.5	717.5	661.7	55.80	12.858	
11,025.0	9,580.0	11,622.9	9,758.1	25.9	33.4	-104.38	1,753.1	-1,397.1	717.0	661.0	56.01	12.802	
11,050.0	9,580.2	11,647.9	9,758.3	26.0	33.5	-104.39	1,778.1	-1,396.7	716.6	660.3	56.22	12.746	
11,075.0	9,580.4	11,672.9	9,758.5	26.1	33.6	-104.40	1,803.1	-1,396.2	716.1	659.7	56.43	12.690	
11,100.0	9,580.6	11,697.9	9,758.7	26.2	33.7	-104.40	1,828.1	-1,395.8	715.7	659.0	56.64	12.635	
11,125.0	9,580.8	11,722.9	9,758.9	26.3	33.8	-104.41	1,853.1	-1,395.4	715.2	658.4	56.86	12.579	
11,150.0	9,581.0	11,747.9	9,759.1	26.5	33.9	-104.42	1,878.1	-1,394.9	714.8	657.7	57.08	12.522	
11,175.0	9,581.2	11,772.9	9,759.3	26.6	34.1	-104.43	1,903.1	-1,394.5	714.3	657.0	57.30	12.466	
11,200.0	9,581.4	11,797.9	9,759.5	26.7	34.2	-104.44	1,928.1	-1,394.1	713.9	656.3	57.52	12.411	
11,225.0	9,581.6	11,822.9	9,759.7	26.8	34.3	-104.45	1,953.0	-1,393.6	713.4	655.7	57.75	12.354	
11,250.0	9,581.8	11,847.9	9,759.9	26.9	34.4	-104.46	1,978.0	-1,393.2	713.0	655.0	57.97	12.298	
11,275.0	9,582.0	11,872.9	9,760.1	27.1	34.5	-104.47	2,003.0	-1,392.7	712.5	654.3	58.20	12.242	
11,300.0	9,582.2	11,897.9	9,760.3	27.2	34.6	-104.48	2,028.0	-1,392.3	712.1	653.6	58.43	12.187	
11,325.0	9,582.4	11,922.8	9,760.5	27.3	34.7	-104.49	2,053.0	-1,391.9	711.6	652.9	58.66	12.130	
11,350.0	9,582.6	11,947.8	9,760.7	27.5	34.8	-104.50	2,078.0	-1,391.4	711.1	652.2	58.90	12.074	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
11,375.0	9,582.8	11,972.8	9,760.9	27.6	34.9	-104.51	2,103.0	-1,391.0	710.7	651.6	59.14	12.018	
11,400.0	9,583.0	11,997.8	9,761.1	27.7	35.1	-104.51	2,128.0	-1,390.6	710.2	650.9	59.37	11.963	
11,425.0	9,583.2	12,022.8	9,761.3	27.9	35.2	-104.52	2,153.0	-1,390.1	709.8	650.2	59.61	11.906	
11,450.0	9,583.4	12,047.8	9,761.5	28.0	35.3	-104.53	2,178.0	-1,389.7	709.3	649.5	59.86	11.850	
11,475.0	9,583.6	12,072.8	9,761.7	28.1	35.4	-104.54	2,203.0	-1,389.3	708.9	648.8	60.10	11.795	
11,500.0	9,583.8	12,097.8	9,761.9	28.3	35.5	-104.55	2,228.0	-1,388.8	708.4	648.1	60.34	11.740	
11,525.0	9,584.0	12,122.8	9,762.1	28.4	35.6	-104.56	2,252.9	-1,388.4	708.0	647.4	60.60	11.684	
11,550.0	9,584.2	12,147.8	9,762.2	28.5	35.8	-104.57	2,277.9	-1,387.9	707.5	646.7	60.85	11.628	
11,575.0	9,584.4	12,172.8	9,762.4	28.7	35.9	-104.58	2,302.9	-1,387.5	707.1	646.0	61.10	11.573	
11,600.0	9,584.6	12,197.8	9,762.6	28.8	36.0	-104.59	2,327.9	-1,387.1	706.6	645.3	61.35	11.519	
11,625.0	9,584.8	12,222.8	9,762.8	28.9	36.1	-104.60	2,352.9	-1,386.6	706.2	644.6	61.60	11.463	
11,650.0	9,585.0	12,247.8	9,763.0	29.1	36.3	-104.61	2,377.9	-1,386.2	705.7	643.9	61.86	11.408	
11,675.0	9,585.2	12,272.8	9,763.2	29.2	36.4	-104.62	2,402.9	-1,385.8	705.3	643.2	62.12	11.354	
11,700.0	9,585.4	12,297.8	9,763.4	29.4	36.5	-104.63	2,427.9	-1,385.3	704.8	642.5	62.38	11.300	
11,725.0	9,585.6	12,322.8	9,763.6	29.5	36.6	-104.63	2,452.9	-1,384.9	704.4	641.7	62.64	11.245	
11,750.0	9,585.8	12,347.8	9,763.8	29.7	36.8	-104.64	2,477.9	-1,384.5	703.9	641.0	62.90	11.191	
11,775.0	9,586.0	12,372.8	9,764.0	29.8	36.9	-104.65	2,502.9	-1,384.0	703.5	640.3	63.17	11.137	
11,800.0	9,586.2	12,397.8	9,764.2	30.0	37.0	-104.66	2,527.8	-1,383.6	703.0	639.6	63.43	11.083	
11,825.0	9,586.4	12,422.8	9,764.4	30.1	37.1	-104.67	2,552.8	-1,383.1	702.6	638.9	63.70	11.029	
11,850.0	9,586.6	12,447.8	9,764.6	30.3	37.3	-104.68	2,577.8	-1,382.7	702.1	638.2	63.97	10.976	
11,875.0	9,586.8	12,472.8	9,764.8	30.4	37.4	-104.69	2,602.8	-1,382.3	701.7	637.4	64.24	10.923	
11,900.0	9,587.0	12,497.7	9,765.0	30.6	37.5	-104.70	2,627.8	-1,381.8	701.2	636.7	64.51	10.870	
11,925.0	9,587.2	12,522.7	9,765.2	30.7	37.7	-104.71	2,652.8	-1,381.4	700.8	636.0	64.79	10.817	
11,950.0	9,587.4	12,547.7	9,765.4	30.9	37.8	-104.72	2,677.8	-1,381.0	700.3	635.3	65.06	10.764	
11,975.0	9,587.6	12,572.7	9,765.6	31.0	37.9	-104.73	2,702.8	-1,380.5	699.9	634.5	65.34	10.712	
12,000.0	9,587.8	12,597.7	9,765.8	31.2	38.1	-104.74	2,727.8	-1,380.1	699.4	633.8	65.61	10.660	
12,025.0	9,588.0	12,622.7	9,766.0	31.3	38.2	-104.75	2,752.8	-1,379.7	699.0	633.1	65.89	10.608	
12,050.0	9,588.2	12,647.7	9,766.2	31.5	38.3	-104.76	2,777.8	-1,379.2	698.5	632.3	66.18	10.556	
12,075.0	9,588.4	12,672.7	9,766.4	31.6	38.5	-104.77	2,802.7	-1,378.8	698.1	631.6	66.46	10.504	
12,100.0	9,588.6	12,697.7	9,766.6	31.8	38.6	-104.78	2,827.7	-1,378.3	697.6	630.9	66.74	10.453	
12,125.0	9,588.8	12,722.7	9,766.8	31.9	38.7	-104.79	2,852.7	-1,377.9	697.2	630.1	67.02	10.402	
12,150.0	9,589.0	12,747.7	9,767.0	32.1	38.9	-104.80	2,877.7	-1,377.5	696.7	629.4	67.31	10.351	
12,175.0	9,589.2	12,772.7	9,767.2	32.3	39.0	-104.81	2,902.7	-1,377.0	696.3	628.7	67.60	10.300	
12,200.0	9,589.4	12,797.7	9,767.4	32.4	39.2	-104.81	2,927.7	-1,376.6	695.8	627.9	67.88	10.250	
12,225.0	9,589.6	12,822.7	9,767.6	32.6	39.3	-104.82	2,952.7	-1,376.2	695.4	627.2	68.18	10.200	
12,250.0	9,589.8	12,847.7	9,767.8	32.7	39.4	-104.83	2,977.7	-1,375.7	694.9	626.5	68.47	10.150	
12,275.0	9,590.0	12,872.7	9,768.0	32.9	39.6	-104.84	3,002.7	-1,375.3	694.5	625.7	68.76	10.100	
12,300.0	9,590.2	12,897.7	9,768.2	33.1	39.7	-104.85	3,027.7	-1,374.9	694.0	625.0	69.05	10.051	
12,325.0	9,590.4	12,922.7	9,768.4	33.2	39.9	-104.86	3,052.7	-1,374.4	693.6	624.2	69.35	10.002	
12,350.0	9,590.6	12,947.7	9,768.6	33.4	40.0	-104.87	3,077.6	-1,374.0	693.1	623.5	69.64	9.953	
12,375.0	9,590.8	12,972.7	9,768.8	33.5	40.2	-104.88	3,102.6	-1,373.6	692.7	622.7	69.94	9.904	
12,400.0	9,591.0	12,997.7	9,769.0	33.7	40.3	-104.89	3,127.6	-1,373.1	692.2	622.0	70.23	9.856	
12,425.0	9,591.2	13,022.7	9,769.2	33.9	40.4	-104.90	3,152.6	-1,372.7	691.8	621.2	70.54	9.807	
12,450.0	9,591.4	13,047.7	9,769.4	34.0	40.6	-104.91	3,177.6	-1,372.2	691.3	620.5	70.84	9.759	
12,475.0	9,591.6	13,072.6	9,769.6	34.2	40.7	-104.92	3,202.6	-1,371.8	690.9	619.7	71.14	9.712	
12,500.0	9,591.8	13,097.6	9,769.8	34.4	40.9	-104.93	3,227.6	-1,371.4	690.4	619.0	71.44	9.665	
12,525.0	9,592.0	13,122.6	9,770.0	34.5	41.0	-104.94	3,252.6	-1,370.9	690.0	618.2	71.74	9.617	
12,550.0	9,592.2	13,147.6	9,770.2	34.7	41.2	-104.95	3,277.6	-1,370.5	689.5	617.5	72.05	9.570	
12,575.0	9,592.4	13,172.6	9,770.4	34.9	41.3	-104.96	3,302.6	-1,370.1	689.1	616.7	72.35	9.524	
12,600.0	9,592.6	13,197.6	9,770.6	35.0	41.5	-104.97	3,327.6	-1,369.6	688.6	616.0	72.66	9.478	
12,625.0	9,592.8	13,222.6	9,770.8	35.2	41.6	-104.98	3,352.5	-1,369.2	688.2	615.2	72.97	9.431	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
12,650.0	9,593.0	13,247.6	9,771.0	35.4	41.8	-104.99	3,377.5	-1,368.8	687.7	614.4	73.27	9.385	
12,675.0	9,593.2	13,272.6	9,771.2	35.5	41.9	-105.00	3,402.5	-1,368.3	687.3	613.7	73.58	9.340	
12,700.0	9,593.4	13,297.6	9,771.4	35.7	42.1	-105.01	3,427.5	-1,367.9	686.8	612.9	73.89	9.295	
12,725.0	9,593.6	13,322.6	9,771.6	35.9	42.2	-105.02	3,452.5	-1,367.4	686.4	612.2	74.21	9.250	
12,750.0	9,593.8	13,347.6	9,771.8	36.1	42.4	-105.03	3,477.5	-1,367.0	685.9	611.4	74.52	9.205	
12,775.0	9,594.0	13,372.6	9,772.0	36.2	42.5	-105.04	3,502.5	-1,366.6	685.5	610.6	74.83	9.160	
12,800.0	9,594.2	13,397.6	9,772.2	36.4	42.7	-105.05	3,527.5	-1,366.1	685.0	609.9	75.14	9.116	
12,825.0	9,594.4	13,422.6	9,772.4	36.6	42.8	-105.06	3,552.5	-1,365.7	684.6	609.1	75.46	9.072	
12,850.0	9,594.6	13,447.6	9,772.5	36.7	43.0	-105.07	3,577.5	-1,365.3	684.1	608.3	75.77	9.029	
12,875.0	9,594.8	13,468.0	9,772.7	36.9	43.1	-105.07	3,597.9	-1,365.0	683.7	607.7	76.09	8.986	
12,900.0	9,595.0	13,488.3	9,772.9	37.1	43.3	-105.08	3,618.2	-1,364.8	683.5	607.1	76.40	8.947	
12,925.0	9,595.2	13,510.3	9,773.0	37.3	43.4	-105.08	3,640.2	-1,364.8	683.5	606.8	76.72	8.909	
12,950.0	9,595.4	13,535.3	9,773.2	37.4	43.5	-105.08	3,665.2	-1,364.9	683.5	606.5	77.04	8.872	
12,975.0	9,595.6	13,560.3	9,773.4	37.6	43.7	-105.08	3,690.2	-1,364.9	683.5	606.1	77.37	8.835	
13,000.0	9,595.8	13,585.3	9,773.6	37.8	43.9	-105.08	3,715.2	-1,364.9	683.5	605.8	77.69	8.798	
13,025.0	9,596.0	13,610.3	9,773.8	38.0	44.0	-105.08	3,740.2	-1,364.9	683.5	605.5	78.02	8.761	
13,050.0	9,596.2	13,635.3	9,774.0	38.1	44.2	-105.08	3,765.2	-1,365.0	683.5	605.2	78.34	8.725	
13,075.0	9,596.4	13,660.3	9,774.2	38.3	44.3	-105.08	3,790.2	-1,365.0	683.5	604.8	78.67	8.688	
13,100.0	9,596.6	13,685.3	9,774.4	38.5	44.5	-105.08	3,815.2	-1,365.0	683.5	604.5	79.00	8.652	
13,125.0	9,596.8	13,710.3	9,774.6	38.7	44.7	-105.08	3,840.2	-1,365.1	683.5	604.2	79.33	8.616	
13,150.0	9,597.0	13,735.3	9,774.8	38.9	44.8	-105.08	3,865.2	-1,365.1	683.5	603.8	79.66	8.581	
13,175.0	9,597.2	13,760.3	9,775.0	39.0	45.0	-105.08	3,890.2	-1,365.1	683.5	603.5	79.99	8.545	
13,200.0	9,597.4	13,785.3	9,775.2	39.2	45.1	-105.08	3,915.2	-1,365.1	683.5	603.2	80.32	8.510	
13,225.0	9,597.7	13,810.3	9,775.4	39.4	45.3	-105.08	3,940.2	-1,365.2	683.5	602.9	80.65	8.475	
13,250.0	9,597.9	13,835.3	9,775.6	39.6	45.5	-105.08	3,965.2	-1,365.2	683.5	602.5	80.98	8.440	
13,275.0	9,598.1	13,860.3	9,775.8	39.7	45.6	-105.08	3,990.2	-1,365.2	683.5	602.2	81.32	8.405	
13,300.0	9,598.3	13,885.3	9,776.0	39.9	45.8	-105.07	4,015.2	-1,365.3	683.5	601.9	81.65	8.371	
13,325.0	9,598.5	13,910.3	9,776.2	40.1	46.0	-105.07	4,040.2	-1,365.3	683.5	601.5	81.98	8.337	
13,350.0	9,598.7	13,935.3	9,776.4	40.3	46.1	-105.07	4,065.2	-1,365.3	683.5	601.2	82.32	8.303	
13,375.0	9,598.9	13,960.3	9,776.6	40.5	46.3	-105.07	4,090.2	-1,365.4	683.5	600.8	82.66	8.269	
13,400.0	9,599.1	13,985.3	9,776.8	40.6	46.4	-105.07	4,115.2	-1,365.4	683.5	600.5	82.99	8.236	
13,425.0	9,599.3	14,010.3	9,777.0	40.8	46.6	-105.07	4,140.2	-1,365.4	683.5	600.2	83.33	8.202	
13,450.0	9,599.5	14,035.3	9,777.2	41.0	46.8	-105.07	4,165.2	-1,365.4	683.5	599.8	83.67	8.169	
13,475.0	9,599.7	14,060.3	9,777.4	41.2	46.9	-105.07	4,190.2	-1,365.5	683.5	599.5	84.01	8.136	
13,500.0	9,599.9	14,085.3	9,777.6	41.4	47.1	-105.07	4,215.2	-1,365.5	683.5	599.1	84.35	8.103	
13,525.0	9,600.1	14,110.3	9,777.8	41.6	47.3	-105.07	4,240.2	-1,365.5	683.5	598.8	84.69	8.071	
13,550.0	9,600.3	14,135.3	9,778.0	41.7	47.4	-105.07	4,265.2	-1,365.6	683.5	598.5	85.03	8.038	
13,575.0	9,600.5	14,160.3	9,778.2	41.9	47.6	-105.07	4,290.2	-1,365.6	683.5	598.1	85.37	8.006	
13,600.0	9,600.7	14,185.3	9,778.4	42.1	47.8	-105.07	4,315.2	-1,365.6	683.5	597.8	85.71	7.974	
13,625.0	9,600.9	14,210.3	9,778.6	42.3	47.9	-105.07	4,340.1	-1,365.6	683.5	597.4	86.06	7.942	
13,650.0	9,601.1	14,235.3	9,778.8	42.5	48.1	-105.07	4,365.1	-1,365.7	683.5	597.1	86.40	7.911	
13,675.0	9,601.3	14,260.3	9,779.0	42.7	48.3	-105.07	4,390.1	-1,365.7	683.5	596.7	86.74	7.879	
13,700.0	9,601.5	14,285.3	9,779.2	42.8	48.5	-105.07	4,415.1	-1,365.7	683.5	596.4	87.09	7.848	
13,725.0	9,601.7	14,310.3	9,779.4	43.0	48.6	-105.07	4,440.1	-1,365.8	683.5	596.1	87.43	7.817	
13,750.0	9,601.9	14,335.3	9,779.6	43.2	48.8	-105.07	4,465.1	-1,365.8	683.5	595.7	87.78	7.786	
13,775.0	9,602.1	14,360.3	9,779.8	43.4	49.0	-105.07	4,490.1	-1,365.8	683.5	595.4	88.13	7.756	
13,800.0	9,602.3	14,385.3	9,780.0	43.6	49.1	-105.07	4,515.1	-1,365.8	683.5	595.0	88.47	7.725	
13,825.0	9,602.5	14,410.3	9,780.2	43.8	49.3	-105.07	4,540.1	-1,365.9	683.5	594.7	88.82	7.695	
13,850.0	9,602.7	14,435.3	9,780.4	44.0	49.5	-105.07	4,565.1	-1,365.9	683.5	594.3	89.17	7.665	
13,875.0	9,602.9	14,460.3	9,780.6	44.1	49.6	-105.07	4,590.1	-1,365.9	683.5	594.0	89.52	7.635	
13,900.0	9,603.1	14,485.3	9,780.8	44.3	49.8	-105.07	4,615.1	-1,366.0	683.5	593.6	89.87	7.606	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
13,925.0	9,603.3	14,510.3	9,781.0	44.5	50.0	-105.07	4,640.1	-1,366.0	683.5	593.3	90.22	7.576	
13,950.0	9,603.5	14,535.3	9,781.2	44.7	50.2	-105.07	4,665.1	-1,366.0	683.5	592.9	90.57	7.547	
13,975.0	9,603.7	14,560.3	9,781.4	44.9	50.3	-105.07	4,690.1	-1,366.0	683.5	592.6	90.92	7.518	
14,000.0	9,603.9	14,585.3	9,781.6	45.1	50.5	-105.07	4,715.1	-1,366.1	683.5	592.2	91.27	7.489	
14,025.0	9,604.1	14,610.3	9,781.8	45.3	50.7	-105.07	4,740.1	-1,366.1	683.5	591.9	91.62	7.460	
14,050.0	9,604.3	14,635.3	9,782.0	45.5	50.9	-105.07	4,765.1	-1,366.1	683.5	591.5	91.97	7.431	
14,075.0	9,604.5	14,660.3	9,782.1	45.7	51.0	-105.07	4,790.1	-1,366.2	683.5	591.2	92.33	7.403	
14,100.0	9,604.7	14,685.3	9,782.3	45.8	51.2	-105.07	4,815.1	-1,366.2	683.5	590.8	92.68	7.375	
14,125.0	9,604.9	14,710.3	9,782.5	46.0	51.4	-105.07	4,840.1	-1,366.2	683.5	590.4	93.03	7.347	
14,150.0	9,605.1	14,735.3	9,782.7	46.2	51.6	-105.07	4,865.1	-1,366.3	683.5	590.1	93.39	7.319	
14,175.0	9,605.3	14,760.3	9,782.9	46.4	51.7	-105.07	4,890.1	-1,366.3	683.5	589.7	93.74	7.291	
14,200.0	9,605.5	14,785.3	9,783.1	46.6	51.9	-105.07	4,915.1	-1,366.3	683.5	589.4	94.10	7.264	
14,225.0	9,605.7	14,810.3	9,783.3	46.8	52.1	-105.07	4,940.1	-1,366.3	683.5	589.0	94.45	7.236	
14,250.0	9,605.9	14,835.3	9,783.5	47.0	52.3	-105.07	4,965.1	-1,366.4	683.5	588.7	94.81	7.209	
14,275.0	9,606.1	14,860.3	9,783.7	47.2	52.4	-105.07	4,990.1	-1,366.4	683.5	588.3	95.17	7.182	
14,300.0	9,606.3	14,885.3	9,783.9	47.4	52.6	-105.07	5,015.1	-1,366.4	683.5	587.9	95.52	7.155	
14,325.0	9,606.5	14,910.3	9,784.1	47.5	52.8	-105.07	5,040.1	-1,366.5	683.5	587.6	95.88	7.128	
14,350.0	9,606.7	14,935.3	9,784.3	47.7	53.0	-105.07	5,065.1	-1,366.5	683.5	587.2	96.24	7.102	
14,375.0	9,606.9	14,960.3	9,784.5	47.9	53.1	-105.06	5,090.1	-1,366.5	683.5	586.9	96.60	7.075	
14,400.0	9,607.1	14,985.3	9,784.7	48.1	53.3	-105.06	5,115.1	-1,366.5	683.5	586.5	96.96	7.049	
14,425.0	9,607.3	15,010.3	9,784.9	48.3	53.5	-105.06	5,140.1	-1,366.6	683.5	586.2	97.32	7.023	
14,450.0	9,607.5	15,035.3	9,785.1	48.5	53.7	-105.06	5,165.1	-1,366.6	683.5	585.8	97.68	6.997	
14,475.0	9,607.7	15,060.3	9,785.3	48.7	53.9	-105.06	5,190.1	-1,366.6	683.5	585.4	98.04	6.972	
14,500.0	9,607.9	15,085.3	9,785.5	48.9	54.0	-105.06	5,215.1	-1,366.7	683.5	585.1	98.40	6.946	
14,525.0	9,608.1	15,110.3	9,785.7	49.1	54.2	-105.06	5,240.1	-1,366.7	683.5	584.7	98.76	6.921	
14,550.0	9,608.3	15,135.3	9,785.9	49.3	54.4	-105.06	5,265.1	-1,366.7	683.5	584.3	99.12	6.895	
14,575.0	9,608.5	15,160.3	9,786.1	49.5	54.6	-105.06	5,290.1	-1,366.7	683.5	584.0	99.48	6.870	
14,600.0	9,608.7	15,185.3	9,786.3	49.7	54.8	-105.06	5,315.1	-1,366.8	683.5	583.6	99.84	6.845	
14,625.0	9,608.9	15,210.3	9,786.5	49.9	54.9	-105.06	5,340.1	-1,366.8	683.5	583.3	100.20	6.821	
14,650.0	9,609.1	15,235.3	9,786.7	50.0	55.1	-105.06	5,365.1	-1,366.8	683.5	582.9	100.57	6.796	
14,675.0	9,609.3	15,260.3	9,786.9	50.2	55.3	-105.06	5,390.1	-1,366.9	683.5	582.5	100.93	6.772	
14,700.0	9,609.5	15,285.3	9,787.1	50.4	55.5	-105.06	5,415.1	-1,366.9	683.5	582.2	101.29	6.747	
14,725.0	9,609.7	15,310.3	9,787.3	50.6	55.7	-105.06	5,440.1	-1,366.9	683.5	581.8	101.66	6.723	
14,750.0	9,609.9	15,335.3	9,787.5	50.8	55.8	-105.06	5,465.1	-1,367.0	683.5	581.4	102.02	6.699	
14,775.0	9,610.1	15,360.3	9,787.7	51.0	56.0	-105.06	5,490.1	-1,367.0	683.5	581.1	102.39	6.675	
14,800.0	9,610.3	15,385.3	9,787.9	51.2	56.2	-105.06	5,515.1	-1,367.0	683.5	580.7	102.75	6.651	
14,825.0	9,610.5	15,410.3	9,788.1	51.4	56.4	-105.06	5,540.1	-1,367.0	683.5	580.3	103.12	6.628	
14,850.0	9,610.7	15,435.3	9,788.3	51.6	56.6	-105.06	5,565.1	-1,367.1	683.5	580.0	103.49	6.604	
14,875.0	9,610.9	15,460.3	9,788.5	51.8	56.7	-105.06	5,590.1	-1,367.1	683.5	579.6	103.85	6.581	
14,900.0	9,611.1	15,485.3	9,788.7	52.0	56.9	-105.06	5,615.1	-1,367.1	683.5	579.2	104.22	6.558	
14,925.0	9,611.3	15,510.3	9,788.9	52.2	57.1	-105.06	5,640.1	-1,367.2	683.5	578.9	104.58	6.535	
14,950.0	9,611.5	15,535.3	9,789.1	52.4	57.3	-105.06	5,665.1	-1,367.2	683.5	578.5	104.95	6.512	
14,975.0	9,611.7	15,560.3	9,789.3	52.6	57.5	-105.06	5,690.1	-1,367.2	683.5	578.1	105.32	6.489	
15,000.0	9,611.9	15,585.3	9,789.5	52.8	57.7	-105.06	5,715.1	-1,367.2	683.5	577.8	105.69	6.467	
15,025.0	9,612.1	15,610.3	9,789.7	53.0	57.8	-105.06	5,740.1	-1,367.3	683.5	577.4	106.06	6.444	
15,050.0	9,612.3	15,635.3	9,789.9	53.2	58.0	-105.06	5,765.1	-1,367.3	683.5	577.0	106.42	6.422	
15,075.0	9,612.5	15,660.3	9,790.1	53.4	58.2	-105.06	5,790.1	-1,367.3	683.5	576.7	106.79	6.400	
15,100.0	9,612.7	15,685.3	9,790.3	53.5	58.4	-105.06	5,815.1	-1,367.4	683.5	576.3	107.16	6.378	
15,125.0	9,612.9	15,710.3	9,790.5	53.7	58.6	-105.06	5,840.1	-1,367.4	683.5	575.9	107.53	6.356	
15,150.0	9,613.1	15,735.3	9,790.7	53.9	58.8	-105.06	5,865.1	-1,367.4	683.5	575.5	107.90	6.334	
15,175.0	9,613.3	15,760.3	9,790.9	54.1	59.0	-105.06	5,890.1	-1,367.4	683.4	575.2	108.27	6.312	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
15,200.0	9,613.5	15,785.3	9,791.1	54.3	59.1	-105.06	5,915.1	-1,367.5	683.4	574.8	108.64	6.291	
15,225.0	9,613.7	15,810.3	9,791.3	54.5	59.3	-105.06	5,940.1	-1,367.5	683.4	574.4	109.01	6.269	
15,250.0	9,613.9	15,835.3	9,791.5	54.7	59.5	-105.06	5,965.1	-1,367.5	683.4	574.1	109.39	6.248	
15,275.0	9,614.1	15,860.3	9,791.7	54.9	59.7	-105.06	5,990.1	-1,367.6	683.4	573.7	109.76	6.227	
15,300.0	9,614.3	15,885.3	9,791.8	55.1	59.9	-105.06	6,015.1	-1,367.6	683.4	573.3	110.13	6.206	
15,325.0	9,614.5	15,910.3	9,792.0	55.3	60.1	-105.06	6,040.1	-1,367.6	683.4	572.9	110.50	6.185	
15,350.0	9,614.7	15,935.3	9,792.2	55.5	60.3	-105.06	6,065.1	-1,367.7	683.4	572.6	110.87	6.164	
15,375.0	9,614.9	15,960.3	9,792.4	55.7	60.4	-105.06	6,090.1	-1,367.7	683.4	572.2	111.25	6.144	
15,400.0	9,615.1	15,985.3	9,792.6	55.9	60.6	-105.06	6,115.1	-1,367.7	683.4	571.8	111.62	6.123	
15,425.0	9,615.3	16,010.3	9,792.8	56.1	60.8	-105.05	6,140.1	-1,367.7	683.4	571.5	111.99	6.103	
15,450.0	9,615.5	16,035.3	9,793.0	56.3	61.0	-105.05	6,165.1	-1,367.8	683.4	571.1	112.36	6.082	
15,475.0	9,615.7	16,060.3	9,793.2	56.5	61.2	-105.05	6,190.1	-1,367.8	683.4	570.7	112.74	6.062	
15,500.0	9,615.9	16,085.3	9,793.4	56.7	61.4	-105.05	6,215.1	-1,367.8	683.4	570.3	113.11	6.042	
15,525.0	9,616.1	16,110.3	9,793.6	56.9	61.6	-105.05	6,240.1	-1,367.9	683.4	570.0	113.49	6.022	
15,550.0	9,616.3	16,135.3	9,793.8	57.1	61.8	-105.05	6,265.1	-1,367.9	683.4	569.6	113.86	6.002	
15,575.0	9,616.5	16,160.3	9,794.0	57.3	61.9	-105.05	6,290.1	-1,367.9	683.4	569.2	114.24	5.983	
15,600.0	9,616.7	16,185.3	9,794.2	57.5	62.1	-105.05	6,315.1	-1,367.9	683.4	568.8	114.61	5.963	
15,625.0	9,616.9	16,210.3	9,794.4	57.7	62.3	-105.05	6,340.1	-1,368.0	683.4	568.5	114.99	5.944	
15,650.0	9,617.1	16,235.3	9,794.6	57.9	62.5	-105.05	6,365.1	-1,368.0	683.4	568.1	115.36	5.924	
15,675.0	9,617.3	16,260.3	9,794.8	58.1	62.7	-105.05	6,390.1	-1,368.0	683.4	567.7	115.74	5.905	
15,700.0	9,617.5	16,285.3	9,795.0	58.3	62.9	-105.05	6,415.1	-1,368.1	683.4	567.3	116.11	5.886	
15,725.0	9,617.7	16,310.3	9,795.2	58.5	63.1	-105.05	6,440.1	-1,368.1	683.4	566.9	116.49	5.867	
15,750.0	9,617.9	16,335.3	9,795.4	58.7	63.3	-105.05	6,465.1	-1,368.1	683.4	566.6	116.87	5.848	
15,775.0	9,618.1	16,360.3	9,795.6	58.9	63.4	-105.05	6,490.1	-1,368.1	683.4	566.2	117.24	5.829	
15,800.0	9,618.3	16,385.3	9,795.8	59.1	63.6	-105.05	6,515.1	-1,368.2	683.4	565.8	117.62	5.811	
15,825.0	9,618.5	16,410.3	9,796.0	59.3	63.8	-105.05	6,540.1	-1,368.2	683.4	565.4	118.00	5.792	
15,850.0	9,618.7	16,435.3	9,796.2	59.5	64.0	-105.05	6,565.1	-1,368.2	683.4	565.1	118.37	5.773	
15,875.0	9,618.9	16,460.3	9,796.4	59.7	64.2	-105.05	6,590.1	-1,368.3	683.4	564.7	118.75	5.755	
15,900.0	9,619.1	16,485.3	9,796.6	59.9	64.4	-105.05	6,615.1	-1,368.3	683.4	564.3	119.13	5.737	
15,925.0	9,619.3	16,510.3	9,796.8	60.1	64.6	-105.05	6,640.1	-1,368.3	683.4	563.9	119.51	5.719	
15,950.0	9,619.5	16,535.3	9,797.0	60.3	64.8	-105.05	6,665.1	-1,368.3	683.4	563.5	119.89	5.701	
15,975.0	9,619.7	16,560.3	9,797.2	60.5	65.0	-105.05	6,690.1	-1,368.4	683.4	563.2	120.27	5.683	
16,000.0	9,619.9	16,585.3	9,797.4	60.7	65.2	-105.05	6,715.1	-1,368.4	683.4	562.8	120.64	5.665	
16,025.0	9,620.1	16,610.3	9,797.6	60.9	65.3	-105.05	6,740.1	-1,368.4	683.4	562.4	121.02	5.647	
16,050.0	9,620.3	16,635.3	9,797.8	61.1	65.5	-105.05	6,765.1	-1,368.5	683.4	562.0	121.40	5.629	
16,075.0	9,620.5	16,660.3	9,798.0	61.3	65.7	-105.05	6,790.1	-1,368.5	683.4	561.6	121.78	5.612	
16,100.0	9,620.7	16,685.3	9,798.2	61.5	65.9	-105.05	6,815.1	-1,368.5	683.4	561.3	122.16	5.594	
16,125.0	9,620.9	16,710.3	9,798.4	61.7	66.1	-105.05	6,840.1	-1,368.6	683.4	560.9	122.54	5.577	
16,150.0	9,621.1	16,735.3	9,798.6	61.9	66.3	-105.05	6,865.1	-1,368.6	683.4	560.5	122.92	5.560	
16,175.0	9,621.3	16,760.3	9,798.8	62.1	66.5	-105.05	6,890.1	-1,368.6	683.4	560.1	123.30	5.543	
16,200.0	9,621.5	16,785.3	9,799.0	62.3	66.7	-105.05	6,915.1	-1,368.6	683.4	559.7	123.68	5.526	
16,225.0	9,621.7	16,810.3	9,799.2	62.5	66.9	-105.05	6,940.1	-1,368.7	683.4	559.4	124.06	5.509	
16,250.0	9,622.0	16,835.3	9,799.4	62.7	67.1	-105.05	6,965.1	-1,368.7	683.4	559.0	124.45	5.492	
16,275.0	9,622.2	16,860.3	9,799.6	62.9	67.3	-105.05	6,990.1	-1,368.7	683.4	558.6	124.83	5.475	
16,300.0	9,622.4	16,885.3	9,799.8	63.1	67.5	-105.05	7,015.1	-1,368.8	683.4	558.2	125.21	5.458	
16,325.0	9,622.6	16,910.3	9,800.0	63.3	67.6	-105.05	7,040.1	-1,368.8	683.4	557.8	125.59	5.442	
16,350.0	9,622.8	16,935.3	9,800.2	63.5	67.8	-105.05	7,065.1	-1,368.8	683.4	557.4	125.97	5.425	
16,375.0	9,623.0	16,960.3	9,800.4	63.7	68.0	-105.05	7,090.1	-1,368.8	683.4	557.1	126.35	5.409	
16,400.0	9,623.2	16,985.3	9,800.6	63.9	68.2	-105.05	7,115.1	-1,368.9	683.4	556.7	126.74	5.392	
16,425.0	9,623.4	17,010.3	9,800.8	64.1	68.4	-105.05	7,140.1	-1,368.9	683.4	556.3	127.12	5.376	
16,450.0	9,623.6	17,035.3	9,801.0	64.3	68.6	-105.05	7,165.1	-1,368.9	683.4	555.9	127.50	5.360	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
16,475.0	9,623.8	17,060.3	9,801.2	64.5	68.8	-105.04	7,190.1	-1,369.0	683.4	555.5	127.88	5.344	
16,500.0	9,624.0	17,085.3	9,801.3	64.7	69.0	-105.04	7,215.1	-1,369.0	683.4	555.1	128.27	5.328	
16,525.0	9,624.2	17,110.3	9,801.5	64.9	69.2	-105.04	7,240.1	-1,369.0	683.4	554.8	128.65	5.312	
16,550.0	9,624.4	17,135.3	9,801.7	65.1	69.4	-105.04	7,265.1	-1,369.0	683.4	554.4	129.03	5.296	
16,575.0	9,624.6	17,160.3	9,801.9	65.3	69.6	-105.04	7,290.1	-1,369.1	683.4	554.0	129.42	5.281	
16,600.0	9,624.8	17,185.3	9,802.1	65.5	69.8	-105.04	7,315.1	-1,369.1	683.4	553.6	129.80	5.265	
16,625.0	9,625.0	17,210.3	9,802.3	65.7	70.0	-105.04	7,340.1	-1,369.1	683.4	553.2	130.18	5.250	
16,650.0	9,625.2	17,235.3	9,802.5	65.9	70.2	-105.04	7,365.1	-1,369.2	683.4	552.8	130.57	5.234	
16,675.0	9,625.4	17,260.3	9,802.7	66.1	70.4	-105.04	7,390.1	-1,369.2	683.4	552.5	130.95	5.219	
16,700.0	9,625.6	17,285.3	9,802.9	66.3	70.5	-105.04	7,415.1	-1,369.2	683.4	552.1	131.34	5.204	
16,725.0	9,625.8	17,310.3	9,803.1	66.5	70.7	-105.04	7,440.0	-1,369.3	683.4	551.7	131.72	5.188	
16,750.0	9,626.0	17,335.3	9,803.3	66.7	70.9	-105.04	7,465.0	-1,369.3	683.4	551.3	132.11	5.173	
16,775.0	9,626.2	17,360.3	9,803.5	66.9	71.1	-105.04	7,490.0	-1,369.3	683.4	550.9	132.49	5.158	
16,800.0	9,626.4	17,385.3	9,803.7	67.1	71.3	-105.04	7,515.0	-1,369.3	683.4	550.5	132.88	5.143	
16,825.0	9,626.6	17,410.3	9,803.9	67.3	71.5	-105.04	7,540.0	-1,369.4	683.4	550.1	133.26	5.128	
16,850.0	9,626.8	17,435.3	9,804.1	67.5	71.7	-105.04	7,565.0	-1,369.4	683.4	549.8	133.65	5.114	
16,875.0	9,627.0	17,460.3	9,804.3	67.7	71.9	-105.04	7,590.0	-1,369.4	683.4	549.4	134.03	5.099	
16,900.0	9,627.2	17,485.3	9,804.5	67.9	72.1	-105.04	7,615.0	-1,369.5	683.4	549.0	134.42	5.084	
16,925.0	9,627.4	17,510.3	9,804.7	68.1	72.3	-105.04	7,640.0	-1,369.5	683.4	548.6	134.80	5.070	
16,950.0	9,627.6	17,535.3	9,804.9	68.4	72.5	-105.04	7,665.0	-1,369.5	683.4	548.2	135.19	5.055	
16,975.0	9,627.8	17,560.3	9,805.1	68.6	72.7	-105.04	7,690.0	-1,369.5	683.4	547.8	135.58	5.041	
17,000.0	9,628.0	17,585.3	9,805.3	68.8	72.9	-105.04	7,715.0	-1,369.6	683.4	547.4	135.96	5.026	
17,025.0	9,628.2	17,610.3	9,805.5	69.0	73.1	-105.04	7,740.0	-1,369.6	683.4	547.1	136.35	5.012	
17,050.0	9,628.4	17,635.3	9,805.7	69.2	73.3	-105.04	7,765.0	-1,369.6	683.4	546.7	136.73	4.998	
17,075.0	9,628.6	17,660.3	9,805.9	69.4	73.5	-105.04	7,790.0	-1,369.7	683.4	546.3	137.12	4.984	
17,100.0	9,628.8	17,685.3	9,806.1	69.6	73.7	-105.04	7,815.0	-1,369.7	683.4	545.9	137.51	4.970	
17,125.0	9,629.0	17,710.3	9,806.3	69.8	73.9	-105.04	7,840.0	-1,369.7	683.4	545.5	137.90	4.956	
17,150.0	9,629.2	17,735.3	9,806.5	70.0	74.1	-105.04	7,865.0	-1,369.7	683.4	545.1	138.28	4.942	
17,175.0	9,629.4	17,760.3	9,806.7	70.2	74.3	-105.04	7,890.0	-1,369.8	683.4	544.7	138.67	4.928	
17,200.0	9,629.6	17,785.3	9,806.9	70.4	74.5	-105.04	7,915.0	-1,369.8	683.4	544.3	139.06	4.914	
17,225.0	9,629.8	17,810.3	9,807.1	70.6	74.7	-105.04	7,940.0	-1,369.8	683.4	543.9	139.45	4.901	
17,250.0	9,630.0	17,835.3	9,807.3	70.8	74.8	-105.04	7,965.0	-1,369.9	683.4	543.6	139.83	4.887	
17,275.0	9,630.2	17,860.3	9,807.5	71.0	75.0	-105.04	7,990.0	-1,369.9	683.4	543.2	140.22	4.874	
17,300.0	9,630.4	17,885.3	9,807.7	71.2	75.2	-105.04	8,015.0	-1,369.9	683.4	542.8	140.61	4.860	
17,325.0	9,630.6	17,910.3	9,807.9	71.4	75.4	-105.04	8,040.0	-1,370.0	683.4	542.4	141.00	4.847	
17,350.0	9,630.8	17,935.3	9,808.1	71.6	75.6	-105.04	8,065.0	-1,370.0	683.4	542.0	141.39	4.834	
17,375.0	9,631.0	17,960.3	9,808.3	71.8	75.8	-105.04	8,090.0	-1,370.0	683.4	541.6	141.77	4.820	
17,400.0	9,631.2	17,985.3	9,808.5	72.0	76.0	-105.04	8,115.0	-1,370.0	683.4	541.2	142.16	4.807	
17,425.0	9,631.4	18,010.3	9,808.7	72.2	76.2	-105.04	8,140.0	-1,370.1	683.4	540.8	142.55	4.794	
17,450.0	9,631.6	18,035.3	9,808.9	72.4	76.4	-105.04	8,165.0	-1,370.1	683.4	540.4	142.94	4.781	
17,475.0	9,631.8	18,060.3	9,809.1	72.6	76.6	-105.04	8,190.0	-1,370.1	683.4	540.1	143.33	4.768	
17,500.0	9,632.0	18,085.3	9,809.3	72.8	76.8	-105.04	8,215.0	-1,370.2	683.4	539.7	143.72	4.755	
17,525.0	9,632.2	18,110.3	9,809.5	73.0	77.0	-105.03	8,240.0	-1,370.2	683.4	539.3	144.11	4.742	
17,550.0	9,632.4	18,135.3	9,809.7	73.2	77.2	-105.03	8,265.0	-1,370.2	683.4	538.9	144.50	4.729	
17,575.0	9,632.6	18,160.3	9,809.9	73.4	77.4	-105.03	8,290.0	-1,370.2	683.4	538.5	144.89	4.717	
17,600.0	9,632.8	18,185.3	9,810.1	73.7	77.6	-105.03	8,315.0	-1,370.3	683.4	538.1	145.28	4.704	
17,625.0	9,633.0	18,210.3	9,810.3	73.9	77.8	-105.03	8,340.0	-1,370.3	683.4	537.7	145.67	4.691	
17,650.0	9,633.2	18,235.3	9,810.5	74.1	78.0	-105.03	8,365.0	-1,370.3	683.4	537.3	146.06	4.679	
17,675.0	9,633.4	18,260.3	9,810.7	74.3	78.2	-105.03	8,390.0	-1,370.4	683.4	536.9	146.45	4.666	
17,700.0	9,633.6	18,285.3	9,810.8	74.5	78.4	-105.03	8,415.0	-1,370.4	683.4	536.5	146.84	4.654	
17,725.0	9,633.8	18,310.3	9,811.0	74.7	78.6	-105.03	8,440.0	-1,370.4	683.4	536.2	147.23	4.642	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
17,750.0	9,634.0	18,335.3	9,811.2	74.9	78.8	-105.03	8,465.0	-1,370.4	683.4	535.8	147.62	4.629	
17,775.0	9,634.2	18,360.3	9,811.4	75.1	79.0	-105.03	8,490.0	-1,370.5	683.4	535.4	148.01	4.617	
17,800.0	9,634.4	18,385.3	9,811.6	75.3	79.2	-105.03	8,515.0	-1,370.5	683.4	535.0	148.40	4.605	
17,825.0	9,634.6	18,410.3	9,811.8	75.5	79.4	-105.03	8,540.0	-1,370.5	683.4	534.6	148.79	4.593	
17,850.0	9,634.8	18,435.3	9,812.0	75.7	79.6	-105.03	8,565.0	-1,370.6	683.4	534.2	149.18	4.581	
17,875.0	9,635.0	18,460.3	9,812.2	75.9	79.8	-105.03	8,590.0	-1,370.6	683.4	533.8	149.57	4.569	
17,900.0	9,635.2	18,485.3	9,812.4	76.1	80.0	-105.03	8,615.0	-1,370.6	683.4	533.4	149.96	4.557	
17,925.0	9,635.4	18,510.3	9,812.6	76.3	80.2	-105.03	8,640.0	-1,370.6	683.4	533.0	150.36	4.545	
17,950.0	9,635.6	18,535.3	9,812.8	76.5	80.4	-105.03	8,665.0	-1,370.7	683.4	532.6	150.75	4.533	
17,975.0	9,635.8	18,560.3	9,813.0	76.7	80.6	-105.03	8,690.0	-1,370.7	683.4	532.2	151.14	4.522	
18,000.0	9,636.0	18,585.3	9,813.2	76.9	80.8	-105.03	8,715.0	-1,370.7	683.4	531.8	151.53	4.510	
18,025.0	9,636.2	18,610.3	9,813.4	77.1	81.0	-105.03	8,740.0	-1,370.8	683.4	531.5	151.92	4.498	
18,050.0	9,636.4	18,635.3	9,813.6	77.3	81.2	-105.03	8,765.0	-1,370.8	683.4	531.1	152.31	4.487	
18,075.0	9,636.6	18,660.3	9,813.8	77.6	81.4	-105.03	8,790.0	-1,370.8	683.4	530.7	152.71	4.475	
18,100.0	9,636.8	18,685.3	9,814.0	77.8	81.6	-105.03	8,815.0	-1,370.9	683.4	530.3	153.10	4.464	
18,125.0	9,637.0	18,710.3	9,814.2	78.0	81.8	-105.03	8,840.0	-1,370.9	683.4	529.9	153.49	4.452	
18,150.0	9,637.2	18,735.3	9,814.4	78.2	82.0	-105.03	8,865.0	-1,370.9	683.4	529.5	153.88	4.441	
18,175.0	9,637.4	18,760.3	9,814.6	78.4	82.2	-105.03	8,890.0	-1,370.9	683.4	529.1	154.27	4.430	
18,200.0	9,637.6	18,785.3	9,814.8	78.6	82.4	-105.03	8,915.0	-1,371.0	683.4	528.7	154.67	4.418	
18,225.0	9,637.8	18,810.3	9,815.0	78.8	82.6	-105.03	8,940.0	-1,371.0	683.4	528.3	155.06	4.407	
18,250.0	9,638.0	18,835.3	9,815.2	79.0	82.8	-105.03	8,965.0	-1,371.0	683.4	527.9	155.45	4.396	
18,275.0	9,638.2	18,860.3	9,815.4	79.2	83.0	-105.03	8,990.0	-1,371.1	683.4	527.5	155.84	4.385	
18,300.0	9,638.4	18,885.3	9,815.6	79.4	83.2	-105.03	9,015.0	-1,371.1	683.4	527.1	156.24	4.374	
18,325.0	9,638.6	18,910.3	9,815.8	79.6	83.4	-105.03	9,040.0	-1,371.1	683.4	526.7	156.63	4.363	
18,350.0	9,638.8	18,935.3	9,816.0	79.8	83.6	-105.03	9,065.0	-1,371.1	683.4	526.3	157.02	4.352	
18,375.0	9,639.0	18,960.3	9,816.2	80.0	83.8	-105.03	9,090.0	-1,371.2	683.4	525.9	157.42	4.341	
18,400.0	9,639.2	18,985.3	9,816.4	80.2	84.0	-105.03	9,115.0	-1,371.2	683.4	525.6	157.81	4.330	
18,425.0	9,639.4	19,010.3	9,816.6	80.4	84.2	-105.03	9,140.0	-1,371.2	683.4	525.2	158.20	4.320	
18,450.0	9,639.6	19,035.3	9,816.8	80.6	84.4	-105.03	9,165.0	-1,371.3	683.4	524.8	158.60	4.309	
18,475.0	9,639.8	19,060.3	9,817.0	80.9	84.6	-105.03	9,190.0	-1,371.3	683.4	524.4	158.99	4.298	
18,500.0	9,640.0	19,085.3	9,817.2	81.1	84.8	-105.03	9,215.0	-1,371.3	683.4	524.0	159.38	4.287	
18,525.0	9,640.2	19,110.3	9,817.4	81.3	85.0	-105.03	9,240.0	-1,371.3	683.4	523.6	159.78	4.277	
18,550.0	9,640.4	19,135.3	9,817.6	81.5	85.2	-105.03	9,265.0	-1,371.4	683.4	523.2	160.17	4.266	
18,575.0	9,640.6	19,160.3	9,817.8	81.7	85.4	-105.03	9,290.0	-1,371.4	683.4	522.8	160.57	4.256	
18,600.0	9,640.8	19,185.3	9,818.0	81.9	85.6	-105.02	9,315.0	-1,371.4	683.4	522.4	160.96	4.245	
18,625.0	9,641.0	19,210.3	9,818.2	82.1	85.8	-105.02	9,340.0	-1,371.5	683.4	522.0	161.35	4.235	
18,650.0	9,641.2	19,235.3	9,818.4	82.3	86.0	-105.02	9,365.0	-1,371.5	683.4	521.6	161.75	4.225	
18,675.0	9,641.4	19,260.3	9,818.6	82.5	86.2	-105.02	9,390.0	-1,371.5	683.4	521.2	162.14	4.215	
18,700.0	9,641.6	19,285.3	9,818.8	82.7	86.4	-105.02	9,415.0	-1,371.6	683.4	520.8	162.54	4.204	
18,725.0	9,641.8	19,310.3	9,819.0	82.9	86.6	-105.02	9,440.0	-1,371.6	683.4	520.4	162.93	4.194	
18,750.0	9,642.0	19,335.3	9,819.2	83.1	86.8	-105.02	9,465.0	-1,371.6	683.4	520.0	163.33	4.184	
18,775.0	9,642.2	19,360.3	9,819.4	83.3	87.0	-105.02	9,490.0	-1,371.6	683.4	519.6	163.72	4.174	
18,800.0	9,642.4	19,385.3	9,819.6	83.5	87.2	-105.02	9,515.0	-1,371.7	683.4	519.2	164.12	4.164	
18,825.0	9,642.6	19,410.3	9,819.8	83.7	87.4	-105.02	9,540.0	-1,371.7	683.4	518.8	164.51	4.154	
18,850.0	9,642.8	19,435.3	9,820.0	84.0	87.6	-105.02	9,565.0	-1,371.7	683.4	518.4	164.91	4.144	
18,875.0	9,643.0	19,460.3	9,820.2	84.2	87.8	-105.02	9,590.0	-1,371.8	683.4	518.0	165.30	4.134	
18,900.0	9,643.2	19,485.3	9,820.3	84.4	88.0	-105.02	9,615.0	-1,371.8	683.4	517.7	165.70	4.124	
18,925.0	9,643.4	19,510.3	9,820.5	84.6	88.2	-105.02	9,640.0	-1,371.8	683.3	517.3	166.09	4.114	
18,950.0	9,643.6	19,535.3	9,820.7	84.8	88.4	-105.02	9,665.0	-1,371.8	683.3	516.9	166.49	4.104	
18,975.0	9,643.8	19,560.3	9,820.9	85.0	88.6	-105.02	9,690.0	-1,371.9	683.3	516.5	166.88	4.095	
19,000.0	9,644.0	19,585.3	9,821.1	85.2	88.8	-105.02	9,715.0	-1,371.9	683.3	516.1	167.28	4.085	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
19,025.0	9,644.2	19,610.3	9,821.3	85.4	89.0	-105.02	9,740.0	-1,371.9	683.3	515.7	167.67	4.075	
19,050.0	9,644.4	19,635.3	9,821.5	85.6	89.2	-105.02	9,765.0	-1,372.0	683.3	515.3	168.07	4.066	
19,075.0	9,644.6	19,660.3	9,821.7	85.8	89.4	-105.02	9,790.0	-1,372.0	683.3	514.9	168.47	4.056	
19,100.0	9,644.8	19,685.3	9,821.9	86.0	89.6	-105.02	9,815.0	-1,372.0	683.3	514.5	168.86	4.047	
19,125.0	9,645.0	19,710.3	9,822.1	86.2	89.8	-105.02	9,840.0	-1,372.0	683.3	514.1	169.26	4.037	
19,150.0	9,645.2	19,735.3	9,822.3	86.4	90.0	-105.02	9,865.0	-1,372.1	683.3	513.7	169.65	4.028	
19,175.0	9,645.4	19,760.3	9,822.5	86.6	90.2	-105.02	9,890.0	-1,372.1	683.3	513.3	170.05	4.018	
19,200.0	9,645.6	19,785.3	9,822.7	86.9	90.4	-105.02	9,915.0	-1,372.1	683.3	512.9	170.45	4.009	
19,225.0	9,645.8	19,810.3	9,822.9	87.1	90.6	-105.02	9,940.0	-1,372.2	683.3	512.5	170.84	4.000	
19,250.0	9,646.0	19,835.3	9,823.1	87.3	90.8	-105.02	9,965.0	-1,372.2	683.3	512.1	171.24	3.991	
19,275.0	9,646.3	19,860.3	9,823.3	87.5	91.0	-105.02	9,990.0	-1,372.2	683.3	511.7	171.64	3.981	
19,300.0	9,646.5	19,885.3	9,823.5	87.7	91.2	-105.02	10,015.0	-1,372.3	683.3	511.3	172.03	3.972	
19,325.0	9,646.7	19,910.3	9,823.7	87.9	91.4	-105.02	10,040.0	-1,372.3	683.3	510.9	172.43	3.963	
19,350.0	9,646.9	19,935.3	9,823.9	88.1	91.6	-105.02	10,065.0	-1,372.3	683.3	510.5	172.82	3.954	
19,375.0	9,647.1	19,960.3	9,824.1	88.3	91.8	-105.02	10,090.0	-1,372.3	683.3	510.1	173.22	3.945	
19,400.0	9,647.3	19,985.3	9,824.3	88.5	92.0	-105.02	10,115.0	-1,372.4	683.3	509.7	173.62	3.936	
19,425.0	9,647.5	20,010.3	9,824.5	88.7	92.3	-105.02	10,140.0	-1,372.4	683.3	509.3	174.02	3.927	
19,450.0	9,647.7	20,035.3	9,824.7	88.9	92.5	-105.02	10,165.0	-1,372.4	683.3	508.9	174.41	3.918	
19,475.0	9,647.9	20,060.3	9,824.9	89.1	92.7	-105.02	10,190.0	-1,372.5	683.3	508.5	174.81	3.909	
19,500.0	9,648.1	20,085.3	9,825.1	89.3	92.9	-105.02	10,215.0	-1,372.5	683.3	508.1	175.21	3.900	
19,525.0	9,648.3	20,110.3	9,825.3	89.6	93.1	-105.02	10,240.0	-1,372.5	683.3	507.7	175.60	3.891	
19,550.0	9,648.5	20,135.3	9,825.5	89.8	93.3	-105.02	10,265.0	-1,372.5	683.3	507.3	176.00	3.883	
19,575.0	9,648.7	20,160.3	9,825.7	90.0	93.5	-105.02	10,290.0	-1,372.6	683.3	506.9	176.40	3.874	
19,600.0	9,648.9	20,185.3	9,825.9	90.2	93.7	-105.02	10,315.0	-1,372.6	683.3	506.5	176.80	3.865	
19,625.0	9,649.1	20,210.3	9,826.1	90.4	93.9	-105.02	10,340.0	-1,372.6	683.3	506.1	177.19	3.856	
19,650.0	9,649.3	20,235.3	9,826.3	90.6	94.1	-105.01	10,365.0	-1,372.7	683.3	505.7	177.59	3.848	
19,675.0	9,649.5	20,260.3	9,826.5	90.8	94.3	-105.01	10,390.0	-1,372.7	683.3	505.3	177.99	3.839	
19,700.0	9,649.7	20,285.3	9,826.7	91.0	94.5	-105.01	10,415.0	-1,372.7	683.3	504.9	178.39	3.831	
19,725.0	9,649.9	20,310.3	9,826.9	91.2	94.7	-105.01	10,440.0	-1,372.7	683.3	504.5	178.78	3.822	
19,750.0	9,650.1	20,335.3	9,827.1	91.4	94.9	-105.01	10,465.0	-1,372.8	683.3	504.1	179.18	3.814	
19,775.0	9,650.3	20,360.3	9,827.3	91.6	95.1	-105.01	10,490.0	-1,372.8	683.3	503.7	179.58	3.805	
19,800.0	9,650.5	20,385.3	9,827.5	91.8	95.3	-105.01	10,515.0	-1,372.8	683.3	503.4	179.98	3.797	
19,825.0	9,650.7	20,410.3	9,827.7	92.0	95.5	-105.01	10,540.0	-1,372.9	683.3	503.0	180.37	3.788	
19,850.0	9,650.9	20,435.3	9,827.9	92.3	95.7	-105.01	10,564.9	-1,372.9	683.3	502.6	180.77	3.780	
19,866.3	9,651.0	20,451.6	9,828.0	92.4	95.8	-105.01	10,581.2	-1,372.9	683.3	502.3	181.03	3.775	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-101.66	-41.2	-199.6	203.8				
25.0	25.0	24.1	24.1	0.5	0.1	-101.66	-41.2	-199.6	203.8				
50.0	50.0	49.1	49.1	0.5	0.3	-101.66	-41.2	-199.6	203.8	202.5	1.27	160.264	
75.0	75.0	74.1	74.1	0.5	0.4	-101.66	-41.2	-199.6	203.8	202.4	1.36	149.354	
100.0	100.0	99.1	99.1	0.5	0.5	-101.66	-41.2	-199.6	203.8	202.3	1.48	137.640	
125.0	125.0	124.1	124.1	0.6	0.6	-101.66	-41.2	-199.6	203.8	202.1	1.73	118.026	
150.0	150.0	149.1	149.1	0.8	0.8	-101.66	-41.2	-199.6	203.8	201.8	1.97	103.309	
175.0	175.0	174.1	174.1	0.9	0.9	-101.66	-41.2	-199.6	203.8	201.6	2.22	91.856	
200.0	200.0	199.1	199.1	1.0	1.0	-101.66	-41.2	-199.6	203.8	201.3	2.46	82.689	
225.0	225.0	224.1	224.1	1.1	1.1	-101.66	-41.2	-199.6	203.8	201.2	2.63	77.609	
250.0	250.0	249.1	249.1	1.2	1.2	-101.66	-41.2	-199.6	203.8	201.0	2.79	73.158	
275.0	275.0	274.1	274.1	1.3	1.3	-101.66	-41.2	-199.6	203.8	200.9	2.95	69.190	
300.0	300.0	299.1	299.1	1.4	1.4	-101.66	-41.2	-199.6	203.8	200.7	3.11	65.631	
325.0	325.0	324.1	324.1	1.4	1.4	-101.66	-41.2	-199.6	203.8	200.6	3.23	63.020	
350.0	350.0	349.1	349.1	1.5	1.5	-101.66	-41.2	-199.6	203.8	200.4	3.36	60.620	
375.0	375.0	374.1	374.1	1.6	1.6	-101.66	-41.2	-199.6	203.8	200.3	3.49	58.395	
400.0	400.0	399.1	399.1	1.6	1.6	-101.66	-41.2	-199.6	203.8	200.2	3.62	56.328	
425.0	425.0	424.1	424.1	1.7	1.7	-101.66	-41.2	-199.6	203.8	200.1	3.73	54.661	
450.0	450.0	449.1	449.1	1.8	1.8	-101.66	-41.2	-199.6	203.8	200.0	3.84	53.093	
475.0	475.0	474.1	474.1	1.8	1.8	-101.66	-41.2	-199.6	203.8	199.9	3.95	51.614	
500.0	500.0	499.1	499.1	1.9	1.9	-101.66	-41.2	-199.6	203.8	199.7	4.06	50.214	
525.0	525.0	524.1	524.1	1.9	1.9	-101.66	-41.2	-199.6	203.8	199.7	4.16	49.027	
550.0	550.0	549.1	549.1	2.0	2.0	-101.66	-41.2	-199.6	203.8	199.6	4.26	47.897	
575.0	575.0	574.1	574.1	2.1	2.1	-101.66	-41.2	-199.6	203.8	199.5	4.35	46.818	
600.0	600.0	599.1	599.1	2.1	2.1	-101.66	-41.2	-199.6	203.8	199.4	4.45	45.786	
625.0	625.0	624.1	624.1	2.2	2.2	-101.66	-41.2	-199.6	203.8	199.3	4.54	44.884	
650.0	650.0	649.1	649.1	2.2	2.2	-101.66	-41.2	-199.6	203.8	199.2	4.63	44.018	
675.0	675.0	674.1	674.1	2.3	2.3	-101.66	-41.2	-199.6	203.8	199.1	4.72	43.185	
700.0	700.0	699.1	699.1	2.3	2.3	-101.66	-41.2	-199.6	203.8	199.0	4.81	42.382	
725.0	725.0	724.1	724.1	2.4	2.4	-101.66	-41.2	-199.6	203.8	198.9	4.89	41.665	
750.0	750.0	749.1	749.1	2.4	2.4	-101.66	-41.2	-199.6	203.8	198.8	4.97	40.973	
775.0	775.0	774.1	774.1	2.5	2.5	-101.66	-41.2	-199.6	203.8	198.8	5.06	40.304	
800.0	800.0	799.1	799.1	2.5	2.5	-101.66	-41.2	-199.6	203.8	198.7	5.14	39.656	
825.0	825.0	824.1	824.1	2.6	2.6	-101.66	-41.2	-199.6	203.8	198.6	5.22	39.068	
850.0	850.0	849.1	849.1	2.6	2.6	-101.66	-41.2	-199.6	203.8	198.5	5.29	38.498	
875.0	875.0	874.1	874.1	2.6	2.6	-101.66	-41.2	-199.6	203.8	198.4	5.37	37.945	
900.0	900.0	899.1	899.1	2.7	2.7	-101.66	-41.2	-199.6	203.8	198.4	5.45	37.407	
925.0	925.0	924.1	924.1	2.7	2.7	-101.66	-41.2	-199.6	203.8	198.3	5.52	36.913	
950.0	950.0	949.1	949.1	2.8	2.8	-101.66	-41.2	-199.6	203.8	198.2	5.59	36.433	
975.0	975.0	974.1	974.1	2.8	2.8	-101.66	-41.2	-199.6	203.8	198.1	5.67	35.965	
1,000.0	1,000.0	999.1	999.1	2.9	2.9	-101.66	-41.2	-199.6	203.8	198.1	5.74	35.508	
1,025.0	1,025.0	1,024.1	1,024.1	2.9	2.9	-101.66	-41.2	-199.6	203.8	198.0	5.81	35.086	
1,050.0	1,050.0	1,049.1	1,049.1	3.0	3.0	-101.66	-41.2	-199.6	203.8	197.9	5.88	34.673	
1,075.0	1,075.0	1,074.1	1,074.1	3.0	3.0	-101.66	-41.2	-199.6	203.8	197.9	5.95	34.271	
1,100.0	1,100.0	1,099.1	1,099.1	3.0	3.0	-101.66	-41.2	-199.6	203.8	197.8	6.02	33.877	
1,125.0	1,125.0	1,124.1	1,124.1	3.1	3.1	-101.66	-41.2	-199.6	203.8	197.7	6.08	33.510	
1,150.0	1,150.0	1,149.1	1,149.1	3.1	3.1	-101.66	-41.2	-199.6	203.8	197.7	6.15	33.151	
1,175.0	1,175.0	1,174.1	1,174.1	3.2	3.2	-101.66	-41.2	-199.6	203.8	197.6	6.21	32.800	
1,200.0	1,200.0	1,199.1	1,199.1	3.2	3.2	-101.66	-41.2	-199.6	203.8	197.5	6.28	32.456	
1,225.0	1,225.0	1,224.1	1,224.1	3.2	3.2	-101.66	-41.2	-199.6	203.8	197.5	6.34	32.133	
1,250.0	1,250.0	1,249.1	1,249.1	3.3	3.3	-101.66	-41.2	-199.6	203.8	197.4	6.41	31.816	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	1,274.1	1,274.1	3.3	3.3	-101.66	-41.2	-199.6	203.8	197.3	6.47	31.506	
1,300.0	1,300.0	1,299.1	1,299.1	3.4	3.4	-101.66	-41.2	-199.6	203.8	197.3	6.53	31.201	
1,325.0	1,325.0	1,324.1	1,324.1	3.4	3.4	-101.66	-41.2	-199.6	203.8	197.2	6.59	30.914	
1,350.0	1,350.0	1,349.1	1,349.1	3.4	3.4	-101.66	-41.2	-199.6	203.8	197.2	6.65	30.633	
1,375.0	1,375.0	1,374.1	1,374.1	3.5	3.5	-101.66	-41.2	-199.6	203.8	197.1	6.71	30.356	
1,400.0	1,400.0	1,399.1	1,399.1	3.5	3.5	-101.66	-41.2	-199.6	203.8	197.0	6.77	30.084	
1,425.0	1,425.0	1,424.1	1,424.1	3.6	3.6	-101.66	-41.2	-199.6	203.8	197.0	6.83	29.827	
1,450.0	1,450.0	1,449.1	1,449.1	3.6	3.6	-101.66	-41.2	-199.6	203.8	196.9	6.89	29.574	
1,475.0	1,475.0	1,474.1	1,474.1	3.6	3.6	-101.66	-41.2	-199.6	203.8	196.9	6.95	29.325	
1,500.0	1,500.0	1,499.1	1,499.1	3.7	3.7	-101.66	-41.2	-199.6	203.8	196.8	7.01	29.080	
1,525.0	1,525.0	1,524.1	1,524.1	3.7	3.7	-101.66	-41.2	-199.6	203.8	196.7	7.07	28.847	
1,550.0	1,550.0	1,549.1	1,549.1	3.8	3.8	-101.66	-41.2	-199.6	203.8	196.7	7.12	28.618	
1,575.0	1,575.0	1,574.1	1,574.1	3.8	3.8	-101.66	-41.2	-199.6	203.8	196.6	7.18	28.393	
1,600.0	1,600.0	1,599.1	1,599.1	3.8	3.8	-101.66	-41.2	-199.6	203.8	196.6	7.23	28.171	
1,625.0	1,625.0	1,624.1	1,624.1	3.9	3.9	-101.66	-41.2	-199.6	203.8	196.5	7.29	27.960	
1,650.0	1,650.0	1,649.1	1,649.1	3.9	3.9	-101.66	-41.2	-199.6	203.8	196.5	7.34	27.751	
1,675.0	1,675.0	1,674.1	1,674.1	3.9	3.9	-101.66	-41.2	-199.6	203.8	196.4	7.40	27.546	
1,700.0	1,700.0	1,699.1	1,699.1	4.0	4.0	-101.66	-41.2	-199.6	203.8	196.4	7.45	27.343	
1,725.0	1,725.0	1,724.1	1,724.1	4.0	4.0	-101.66	-41.2	-199.6	203.8	196.3	7.51	27.150	
1,750.0	1,750.0	1,749.1	1,749.1	4.1	4.1	-101.66	-41.2	-199.6	203.8	196.2	7.56	26.959	
1,775.0	1,775.0	1,774.1	1,774.1	4.1	4.1	-101.66	-41.2	-199.6	203.8	196.2	7.61	26.770	
1,800.0	1,800.0	1,799.1	1,799.1	4.1	4.1	-101.66	-41.2	-199.6	203.8	196.1	7.67	26.585	
1,825.0	1,825.0	1,824.1	1,824.1	4.2	4.2	-101.66	-41.2	-199.6	203.8	196.1	7.72	26.407	
1,850.0	1,850.0	1,849.1	1,849.1	4.2	4.2	-101.66	-41.2	-199.6	203.8	196.0	7.77	26.231	
1,875.0	1,875.0	1,874.1	1,874.1	4.2	4.2	-101.66	-41.2	-199.6	203.8	196.0	7.82	26.058	
1,900.0	1,900.0	1,899.1	1,899.1	4.3	4.3	-101.66	-41.2	-199.6	203.8	195.9	7.87	25.887	
1,925.0	1,925.0	1,924.1	1,924.1	4.3	4.3	-101.66	-41.2	-199.6	203.8	195.9	7.92	25.722	
1,950.0	1,950.0	1,949.1	1,949.1	4.3	4.3	-101.66	-41.2	-199.6	203.8	195.8	7.97	25.559	
1,975.0	1,975.0	1,974.1	1,974.1	4.4	4.4	-101.66	-41.2	-199.6	203.8	195.8	8.02	25.399	
2,000.0	2,000.0	1,999.1	1,999.1	4.4	4.4	-101.66	-41.2	-199.6	203.8	195.7	8.07	25.241	
2,025.0	2,025.0	2,024.1	2,024.1	4.4	4.5	-23.85	-41.2	-199.6	203.7	195.5	8.17	24.919	
2,050.0	2,050.0	2,049.1	2,049.1	4.5	4.5	-23.89	-41.2	-199.6	203.4	195.1	8.27	24.582	
2,075.0	2,075.0	2,074.1	2,074.1	4.5	4.6	-23.96	-41.2	-199.6	202.9	194.5	8.37	24.232	
2,100.0	2,100.0	2,099.1	2,099.1	4.5	4.6	-24.05	-41.2	-199.6	202.2	193.7	8.47	23.869	
2,125.0	2,125.0	2,124.1	2,124.1	4.6	4.7	-24.17	-41.2	-199.6	201.3	192.7	8.59	23.437	
2,150.0	2,149.9	2,149.0	2,149.0	4.6	4.7	-24.32	-41.2	-199.6	200.2	191.5	8.71	22.994	
2,175.0	2,174.9	2,174.0	2,174.0	4.7	4.7	-24.50	-41.2	-199.6	198.9	190.1	8.83	22.541	
2,200.0	2,199.8	2,198.9	2,198.9	4.7	4.8	-24.71	-41.2	-199.6	197.4	188.5	8.94	22.078	
2,225.0	2,224.8	2,223.9	2,223.9	4.7	4.8	-24.95	-41.2	-199.6	195.8	186.7	9.06	21.603	
2,250.0	2,249.7	2,248.8	2,248.8	4.8	4.8	-25.22	-41.2	-199.6	193.9	184.7	9.18	21.119	
2,275.0	2,274.6	2,273.7	2,273.7	4.8	4.9	-25.53	-41.2	-199.6	191.8	182.5	9.30	20.627	
2,300.0	2,299.5	2,298.6	2,298.6	4.9	4.9	-25.88	-41.2	-199.6	189.6	180.1	9.42	20.128	
2,325.0	2,324.3	2,323.4	2,323.4	4.9	5.0	-26.26	-41.2	-199.6	187.1	177.6	9.54	19.618	
2,350.0	2,349.1	2,348.2	2,348.2	5.0	5.0	-26.69	-41.2	-199.6	184.5	174.8	9.66	19.102	
2,375.0	2,373.9	2,373.0	2,373.0	5.1	5.0	-27.16	-41.2	-199.6	181.7	171.9	9.78	18.580	
2,400.0	2,398.7	2,397.8	2,397.8	5.1	5.1	-27.68	-41.2	-199.6	178.7	168.8	9.90	18.054	
2,425.0	2,423.4	2,422.5	2,422.5	5.2	5.1	-28.26	-41.2	-199.6	175.5	165.5	10.02	17.519	
2,450.0	2,448.2	2,447.3	2,447.3	5.3	5.1	-28.89	-41.2	-199.6	172.1	162.0	10.14	16.980	
2,475.0	2,472.8	2,471.9	2,471.9	5.4	5.2	-29.58	-41.2	-199.6	168.6	158.4	10.26	16.440	
2,500.0	2,497.5	2,496.6	2,496.6	5.5	5.2	-30.34	-41.2	-199.6	164.9	154.6	10.38	15.898	
2,525.0	2,522.1	2,522.4	2,522.4	5.5	5.3	-31.23	-41.2	-199.5	161.0	150.5	10.49	15.343	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,546.6	2,548.3	2,548.3	5.6	5.3	-32.23	-41.1	-199.2	156.7	146.1	10.62	14.765	
2,575.0	2,571.1	2,574.1	2,574.1	5.7	5.3	-33.35	-41.1	-198.7	152.1	141.4	10.73	14.170	
2,600.0	2,595.6	2,599.7	2,599.7	5.7	5.4	-34.54	-41.0	-197.9	147.2	136.4	10.83	13.588	
2,625.0	2,620.1	2,625.3	2,625.2	5.8	5.4	-35.83	-40.9	-196.9	142.2	131.2	10.96	12.974	
2,650.0	2,644.6	2,650.7	2,650.6	5.9	5.4	-37.24	-40.7	-195.7	137.0	125.9	11.08	12.365	
2,675.0	2,669.1	2,676.0	2,675.9	5.9	5.5	-38.79	-40.5	-194.2	131.7	120.5	11.20	11.763	
2,700.0	2,693.6	2,701.2	2,701.1	6.0	5.5	-40.50	-40.3	-192.6	126.3	115.0	11.31	11.167	
2,725.0	2,718.1	2,726.3	2,726.1	6.1	5.5	-42.39	-40.1	-190.7	120.8	109.4	11.42	10.577	
2,750.0	2,742.6	2,751.3	2,751.0	6.2	5.6	-44.50	-39.8	-188.7	115.2	103.7	11.53	9.998	
2,775.0	2,767.1	2,776.1	2,775.7	6.3	5.6	-46.86	-39.5	-186.4	109.6	98.0	11.62	9.432	
2,800.0	2,791.6	2,800.9	2,800.3	6.4	5.7	-49.51	-39.2	-183.9	104.0	92.3	11.71	8.882	
2,825.0	2,816.1	2,825.4	2,824.7	6.4	5.7	-52.50	-38.9	-181.3	98.5	86.7	11.80	8.347	
2,850.0	2,840.6	2,849.9	2,849.0	6.5	5.7	-55.89	-38.5	-178.4	93.1	81.2	11.88	7.838	
2,875.0	2,865.1	2,874.2	2,873.2	6.6	5.8	-59.73	-38.2	-175.4	87.9	75.9	11.94	7.357	
2,900.0	2,889.6	2,898.4	2,897.1	6.7	5.8	-64.09	-37.8	-172.2	82.9	70.9	12.00	6.911	
2,925.0	2,914.1	2,922.5	2,920.9	6.8	5.9	-69.01	-37.3	-168.7	78.4	66.3	12.05	6.505	
2,950.0	2,938.6	2,946.4	2,944.6	6.9	6.0	-74.54	-36.9	-165.2	74.4	62.3	12.09	6.151	
2,975.0	2,963.1	2,970.1	2,968.0	7.0	6.1	-80.68	-36.4	-161.4	71.0	58.9	12.13	5.856	
3,000.0	2,987.6	2,993.8	2,991.3	7.1	6.1	-87.38	-35.9	-157.5	68.6	56.4	12.19	5.628	
3,025.0	3,012.1	3,017.2	3,014.4	7.2	6.2	-94.52	-35.4	-153.4	67.2	54.9	12.28	5.473	
3,041.8	3,028.6	3,032.9	3,029.9	7.2	6.3	-99.47	-35.1	-150.6	66.9	54.6	12.36	5.414 CC, ES	
3,050.0	3,036.6	3,040.6	3,037.4	7.2	6.3	-101.91	-34.9	-149.1	67.0	54.6	12.41	5.398 SF	
3,075.0	3,061.1	3,063.8	3,060.1	7.3	6.4	-109.32	-34.3	-144.7	68.1	55.5	12.59	5.406	
3,100.0	3,085.6	3,086.8	3,082.7	7.4	6.4	-116.52	-33.7	-140.2	70.4	57.6	12.81	5.497	
3,125.0	3,110.1	3,109.7	3,105.1	7.5	6.5	-123.31	-33.2	-135.5	74.0	60.9	13.06	5.665	
3,150.0	3,134.6	3,132.7	3,127.6	7.6	6.6	-129.50	-32.6	-130.7	78.7	65.3	13.33	5.903	
3,175.0	3,159.1	3,155.7	3,150.1	7.7	6.6	-135.02	-32.0	-126.0	84.2	70.6	13.59	6.199	
3,200.0	3,183.6	3,178.7	3,172.6	7.8	6.7	-139.89	-31.4	-121.3	90.5	76.7	13.84	6.540	
3,225.0	3,208.1	3,201.7	3,195.1	7.9	6.8	-144.16	-30.8	-116.5	97.4	83.3	14.09	6.915	
3,250.0	3,232.6	3,224.6	3,217.5	8.0	6.8	-147.89	-30.2	-111.8	104.7	90.4	14.32	7.316	
3,275.0	3,257.1	3,247.6	3,240.0	8.1	6.9	-151.15	-29.6	-107.0	112.5	97.9	14.54	7.736	
3,300.0	3,281.6	3,270.6	3,262.5	8.2	7.0	-154.01	-29.0	-102.3	120.5	105.8	14.75	8.169	
3,325.0	3,306.1	3,293.6	3,285.0	8.3	7.0	-156.52	-28.4	-97.5	128.8	113.8	14.96	8.610	
3,350.0	3,330.6	3,316.6	3,307.5	8.4	7.1	-158.74	-27.8	-92.8	137.3	122.1	15.16	9.056	
3,375.0	3,355.1	3,339.6	3,330.0	8.5	7.2	-160.71	-27.2	-88.1	146.0	130.6	15.36	9.504	
3,400.0	3,379.6	3,362.6	3,352.4	8.6	7.3	-162.47	-26.6	-83.3	154.8	139.2	15.55	9.953	
3,425.0	3,404.1	3,385.5	3,374.9	8.7	7.3	-164.04	-26.0	-78.6	163.7	147.9	15.74	10.399	
3,450.0	3,428.6	3,408.5	3,397.4	8.8	7.4	-165.45	-25.4	-73.8	172.7	156.8	15.93	10.842	
3,475.0	3,453.1	3,431.5	3,419.9	8.9	7.5	-166.73	-24.8	-69.1	181.8	165.7	16.11	11.281	
3,500.0	3,477.6	3,454.5	3,442.4	9.0	7.6	-167.88	-24.2	-64.4	191.0	174.7	16.30	11.716	
3,525.0	3,502.1	3,477.5	3,464.9	9.1	7.6	-168.93	-23.6	-59.6	200.2	183.7	16.48	12.145	
3,550.0	3,526.6	3,500.5	3,487.3	9.2	7.7	-169.90	-23.1	-54.9	209.5	192.8	16.67	12.569	
3,575.0	3,551.1	3,523.4	3,509.8	9.3	7.8	-170.78	-22.5	-50.1	218.8	202.0	16.85	12.985	
3,600.0	3,575.6	3,546.4	3,532.3	9.4	7.9	-171.59	-21.9	-45.4	228.2	211.2	17.04	13.396	
3,625.0	3,600.1	3,569.4	3,554.8	9.5	7.9	-172.33	-21.3	-40.6	237.6	220.4	17.22	13.799	
3,650.0	3,624.6	3,592.4	3,577.3	9.6	8.0	-173.02	-20.7	-35.9	247.1	229.7	17.40	14.197	
3,675.0	3,649.1	3,615.4	3,599.7	9.8	8.1	-173.66	-20.1	-31.2	256.6	239.0	17.59	14.587	
3,700.0	3,673.6	3,638.4	3,622.2	9.9	8.2	-174.26	-19.5	-26.4	266.1	248.3	17.77	14.970	
3,725.0	3,698.1	3,661.4	3,644.7	10.0	8.3	-174.81	-18.9	-21.7	275.6	257.6	17.96	15.347	
3,750.0	3,722.6	3,684.3	3,667.2	10.1	8.4	-175.33	-18.3	-16.9	285.1	267.0	18.14	15.717	
3,775.0	3,747.1	3,707.3	3,689.7	10.2	8.4	-175.81	-17.7	-12.2	294.7	276.4	18.33	16.080	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,771.6	3,730.3	3,712.2	10.3	8.5	-176.27	-17.1	-7.5	304.3	285.8	18.51	16.436	
3,825.0	3,796.1	3,753.3	3,734.6	10.4	8.6	-176.69	-16.5	-2.7	313.9	295.2	18.70	16.785	
3,850.0	3,820.6	3,776.3	3,757.1	10.5	8.7	-177.10	-15.9	2.0	323.5	304.6	18.89	17.128	
3,875.0	3,845.1	3,799.3	3,779.6	10.6	8.8	-177.47	-15.3	6.8	333.1	314.0	19.07	17.465	
3,900.0	3,869.5	3,822.3	3,802.1	10.7	8.9	-177.83	-14.7	11.5	342.8	323.5	19.26	17.795	
3,925.0	3,894.0	3,845.2	3,824.6	10.8	9.0	-178.17	-14.1	16.2	352.4	333.0	19.45	18.119	
3,950.0	3,918.5	3,868.2	3,847.1	10.9	9.0	-178.49	-13.5	21.0	362.1	342.4	19.64	18.436	
3,975.0	3,943.0	3,891.2	3,869.5	11.0	9.1	-178.79	-12.9	25.7	371.7	351.9	19.83	18.749	
4,000.0	3,967.5	3,914.2	3,892.0	11.1	9.2	-179.08	-12.3	30.5	381.4	361.4	20.02	19.055	
4,025.0	3,992.0	3,937.2	3,914.5	11.2	9.3	-179.35	-11.8	35.2	391.1	370.9	20.21	19.354	
4,050.0	4,016.5	3,960.2	3,937.0	11.4	9.4	-179.61	-11.2	40.0	400.8	380.4	20.40	19.648	
4,075.0	4,041.0	3,983.1	3,959.5	11.5	9.5	-179.86	-10.6	44.7	410.5	389.9	20.59	19.938	
4,100.0	4,065.5	4,006.1	3,982.0	11.6	9.6	179.90	-10.0	49.4	420.2	399.4	20.78	20.221	
4,125.0	4,090.0	4,029.1	4,004.4	11.7	9.7	179.67	-9.4	54.2	429.9	408.9	20.97	20.499	
4,150.0	4,114.5	4,052.1	4,026.9	11.8	9.8	179.46	-8.8	58.9	439.6	418.4	21.16	20.771	
4,175.0	4,139.0	4,075.1	4,049.4	11.9	9.9	179.25	-8.2	63.7	449.3	428.0	21.36	21.039	
4,200.0	4,163.5	4,098.1	4,071.9	12.0	9.9	179.05	-7.6	68.4	459.1	437.5	21.55	21.303	
4,225.0	4,188.0	4,121.1	4,094.4	12.1	10.0	178.86	-7.0	73.1	468.8	447.0	21.74	21.560	
4,250.0	4,212.5	4,144.0	4,116.9	12.2	10.1	178.68	-6.4	77.9	478.5	456.6	21.94	21.813	
4,275.0	4,237.0	4,167.0	4,139.3	12.3	10.2	178.50	-5.8	82.6	488.3	466.1	22.13	22.061	
4,300.0	4,261.5	4,190.0	4,161.8	12.4	10.3	178.33	-5.2	87.4	498.0	475.7	22.33	22.306	
4,325.0	4,286.0	4,213.0	4,184.3	12.6	10.4	178.17	-4.6	92.1	507.7	485.2	22.52	22.545	
4,350.0	4,310.5	4,236.0	4,206.8	12.7	10.5	178.02	-4.0	96.9	517.5	494.8	22.72	22.780	
4,375.0	4,335.0	4,259.0	4,229.3	12.8	10.6	177.87	-3.4	101.6	527.2	504.3	22.91	23.011	
4,400.0	4,359.5	4,282.0	4,251.8	12.9	10.7	177.72	-2.8	106.3	537.0	513.9	23.11	23.238	
4,425.0	4,384.0	4,304.9	4,274.2	13.0	10.8	177.58	-2.2	111.1	546.8	523.4	23.31	23.460	
4,450.0	4,408.5	4,327.9	4,296.7	13.1	10.9	177.45	-1.6	115.8	556.5	533.0	23.50	23.679	
4,475.0	4,433.0	4,350.9	4,319.2	13.2	11.0	177.32	-1.1	120.6	566.3	542.6	23.70	23.893	
4,500.0	4,457.5	4,373.9	4,341.7	13.3	11.1	177.19	-0.5	125.3	576.0	552.1	23.90	24.105	
4,525.0	4,482.0	4,396.9	4,364.2	13.4	11.2	177.07	0.1	130.0	585.8	561.7	24.10	24.312	
4,550.0	4,506.5	4,419.9	4,386.6	13.6	11.3	176.95	0.7	134.8	595.6	571.3	24.29	24.515	
4,575.0	4,531.0	4,442.8	4,409.1	13.7	11.4	176.84	1.3	139.5	605.3	580.9	24.49	24.716	
4,600.0	4,555.5	4,465.8	4,431.6	13.8	11.5	176.73	1.9	144.3	615.1	590.4	24.69	24.912	
4,625.0	4,580.0	4,488.8	4,454.1	13.9	11.6	176.62	2.5	149.0	624.9	600.0	24.89	25.106	
4,650.0	4,604.5	4,511.8	4,476.6	14.0	11.6	176.52	3.1	153.8	634.7	609.6	25.09	25.296	
4,675.0	4,629.0	4,534.8	4,499.1	14.1	11.7	176.42	3.7	158.5	644.5	619.2	25.29	25.483	
4,700.0	4,653.5	4,557.8	4,521.5	14.2	11.8	176.32	4.3	163.2	654.2	628.7	25.49	25.666	
4,725.0	4,678.0	4,580.8	4,544.0	14.3	11.9	176.23	4.9	168.0	664.0	638.3	25.69	25.847	
4,750.0	4,702.5	4,603.7	4,566.5	14.5	12.0	176.14	5.5	172.7	673.8	647.9	25.89	26.025	
4,775.0	4,727.0	4,626.7	4,589.0	14.6	12.1	176.05	6.1	177.5	683.6	657.5	26.09	26.199	
4,800.0	4,751.5	4,649.7	4,611.5	14.7	12.2	175.96	6.7	182.2	693.4	667.1	26.29	26.371	
4,825.0	4,776.0	4,672.7	4,634.0	14.8	12.3	175.88	7.3	186.9	703.2	676.7	26.49	26.540	
4,850.0	4,800.5	4,695.7	4,656.4	14.9	12.4	175.79	7.9	191.7	712.9	686.3	26.70	26.706	
4,875.0	4,825.0	4,718.7	4,678.9	15.0	12.5	175.71	8.5	196.4	722.7	695.8	26.90	26.870	
4,900.0	4,849.5	4,741.7	4,701.4	15.1	12.6	175.64	9.1	201.2	732.5	705.4	27.10	27.030	
4,925.0	4,874.0	4,764.6	4,723.9	15.2	12.7	175.56	9.6	205.9	742.3	715.0	27.30	27.189	
4,950.0	4,898.5	4,787.6	4,746.4	15.4	12.8	175.49	10.2	210.6	752.1	724.6	27.51	27.345	
4,975.0	4,923.0	4,810.6	4,768.9	15.5	12.9	175.42	10.8	215.4	761.9	734.2	27.71	27.498	
5,000.0	4,947.5	4,833.6	4,791.3	15.6	13.0	175.35	11.4	220.1	771.7	743.8	27.91	27.649	
5,025.0	4,972.0	4,856.6	4,813.8	15.7	13.1	175.28	12.0	224.9	781.5	753.4	28.11	27.797	
5,050.0	4,996.5	4,879.6	4,836.3	15.8	13.2	175.21	12.6	229.6	791.3	763.0	28.32	27.943	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,021.0	4,902.5	4,858.8	15.9	13.3	175.15	13.2	234.4	801.1	772.6	28.52	28.088	
5,100.0	5,045.5	4,925.5	4,881.3	16.0	13.4	175.08	13.8	239.1	810.9	782.2	28.73	28.229	
5,125.0	5,070.0	4,948.5	4,903.8	16.1	13.5	175.02	14.4	243.8	820.7	791.8	28.93	28.369	
5,150.0	5,094.5	4,971.5	4,926.2	16.3	13.6	174.96	15.0	248.6	830.5	801.4	29.13	28.506	
5,175.0	5,119.0	4,994.5	4,948.7	16.4	13.7	174.90	15.6	253.3	840.3	811.0	29.34	28.642	
5,200.0	5,143.5	5,017.5	4,971.2	16.5	13.8	174.85	16.2	258.1	850.1	820.6	29.54	28.775	
5,225.0	5,168.0	5,040.5	4,993.7	16.6	13.9	174.79	16.8	262.8	859.9	830.2	29.75	28.906	
5,250.0	5,192.4	5,063.4	5,016.2	16.7	14.0	174.73	17.4	267.5	869.7	839.8	29.95	29.036	
5,275.0	5,216.9	5,086.4	5,038.6	16.8	14.1	174.68	18.0	272.3	879.5	849.3	30.16	29.163	
5,300.0	5,241.4	5,109.4	5,061.1	16.9	14.2	174.63	18.6	277.0	889.3	858.9	30.36	29.289	
5,325.0	5,265.9	5,132.4	5,083.6	17.1	14.3	174.58	19.2	281.8	899.1	868.5	30.57	29.413	
5,350.0	5,290.4	5,155.4	5,106.1	17.2	14.4	174.53	19.8	286.5	908.9	878.1	30.77	29.535	
5,375.0	5,314.9	5,178.4	5,128.6	17.3	14.5	174.48	20.4	291.3	918.7	887.7	30.98	29.655	
5,400.0	5,339.4	5,201.4	5,151.1	17.4	14.6	174.43	20.9	296.0	928.5	897.4	31.19	29.774	
5,425.0	5,363.9	5,224.3	5,173.5	17.5	14.7	174.38	21.5	300.7	938.3	907.0	31.39	29.891	
5,450.0	5,388.4	5,247.3	5,196.0	17.6	14.8	174.34	22.1	305.5	948.2	916.6	31.60	30.006	
5,475.0	5,412.9	5,270.3	5,218.5	17.7	14.9	174.29	22.7	310.2	958.0	926.2	31.80	30.120	
5,498.0	5,435.5	5,291.5	5,239.2	17.8	15.0	174.25	23.3	314.6	967.0	935.0	31.99	30.224	
5,500.0	5,437.4	5,293.3	5,241.0	17.8	15.0	174.25	23.3	315.0	967.8	935.8	32.01	30.233	
5,525.0	5,461.9	5,316.3	5,263.5	18.0	15.1	174.22	23.9	319.7	977.5	945.2	32.25	30.308	
5,550.0	5,486.5	5,339.4	5,286.1	18.1	15.3	174.19	24.5	324.5	987.1	954.6	32.49	30.377	
5,575.0	5,511.1	5,362.5	5,308.7	18.3	15.4	174.16	25.1	329.2	996.5	963.8	32.74	30.440	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-96.06	-21.2	-199.8	200.9				
25.0	25.0	24.0	24.0	0.5	0.1	-96.06	-21.2	-199.8	200.9				
50.0	50.0	49.0	49.0	0.5	0.3	-96.06	-21.2	-199.8	200.9	199.7	1.27	158.066	
75.0	75.0	74.0	74.0	0.5	0.4	-96.06	-21.2	-199.8	200.9	199.6	1.36	147.316	
100.0	100.0	99.0	99.0	0.5	0.5	-96.06	-21.2	-199.8	200.9	199.4	1.48	135.767	
125.0	125.0	124.0	124.0	0.6	0.6	-96.06	-21.2	-199.8	200.9	199.2	1.73	116.421	
150.0	150.0	149.0	149.0	0.8	0.8	-96.06	-21.2	-199.8	200.9	198.9	1.97	101.907	
175.0	175.0	174.0	174.0	0.9	0.9	-96.06	-21.2	-199.8	200.9	198.7	2.22	90.610	
200.0	200.0	199.0	199.0	1.0	1.0	-96.06	-21.2	-199.8	200.9	198.5	2.46	81.568	
225.0	225.0	224.0	224.0	1.1	1.1	-96.06	-21.2	-199.8	200.9	198.3	2.62	76.556	
250.0	250.0	249.0	249.0	1.2	1.2	-96.06	-21.2	-199.8	200.9	198.1	2.78	72.169	
275.0	275.0	274.0	274.0	1.3	1.3	-96.06	-21.2	-199.8	200.9	198.0	2.94	68.258	
300.0	300.0	299.0	299.0	1.4	1.4	-96.06	-21.2	-199.8	200.9	197.8	3.10	64.749	
325.0	325.0	324.0	324.0	1.4	1.4	-96.06	-21.2	-199.8	200.9	197.7	3.23	62.176	
350.0	350.0	349.0	349.0	1.5	1.5	-96.06	-21.2	-199.8	200.9	197.6	3.36	59.811	
375.0	375.0	374.0	374.0	1.6	1.6	-96.06	-21.2	-199.8	200.9	197.4	3.49	57.619	
400.0	400.0	399.0	399.0	1.6	1.6	-96.06	-21.2	-199.8	200.9	197.3	3.61	55.583	
425.0	425.0	424.0	424.0	1.7	1.7	-96.06	-21.2	-199.8	200.9	197.2	3.72	53.940	
450.0	450.0	449.0	449.0	1.8	1.8	-96.06	-21.2	-199.8	200.9	197.1	3.83	52.396	
475.0	475.0	474.0	474.0	1.8	1.8	-96.06	-21.2	-199.8	200.9	197.0	3.94	50.938	
500.0	500.0	499.0	499.0	1.9	1.9	-96.06	-21.2	-199.8	200.9	196.9	4.05	49.559	
525.0	525.0	524.0	524.0	1.9	1.9	-96.06	-21.2	-199.8	200.9	196.8	4.15	48.390	
550.0	550.0	549.0	549.0	2.0	2.0	-96.06	-21.2	-199.8	200.9	196.7	4.25	47.278	
575.0	575.0	574.0	574.0	2.1	2.1	-96.06	-21.2	-199.8	200.9	196.6	4.35	46.215	
600.0	600.0	599.0	599.0	2.1	2.1	-96.06	-21.2	-199.8	200.9	196.5	4.45	45.199	
625.0	625.0	624.0	624.0	2.2	2.2	-96.06	-21.2	-199.8	200.9	196.4	4.53	44.311	
650.0	650.0	649.0	649.0	2.2	2.2	-96.06	-21.2	-199.8	200.9	196.3	4.62	43.459	
675.0	675.0	674.0	674.0	2.3	2.3	-96.06	-21.2	-199.8	200.9	196.2	4.71	42.638	
700.0	700.0	699.0	699.0	2.3	2.3	-96.06	-21.2	-199.8	200.9	196.1	4.80	41.848	
725.0	725.0	724.0	724.0	2.4	2.4	-96.06	-21.2	-199.8	200.9	196.0	4.88	41.143	
750.0	750.0	749.0	749.0	2.4	2.4	-96.06	-21.2	-199.8	200.9	196.0	4.97	40.462	
775.0	775.0	774.0	774.0	2.5	2.5	-96.06	-21.2	-199.8	200.9	195.9	5.05	39.803	
800.0	800.0	799.0	799.0	2.5	2.5	-96.06	-21.2	-199.8	200.9	195.8	5.13	39.165	
825.0	825.0	824.0	824.0	2.6	2.6	-96.06	-21.2	-199.8	200.9	195.7	5.21	38.587	
850.0	850.0	849.0	849.0	2.6	2.6	-96.06	-21.2	-199.8	200.9	195.6	5.28	38.026	
875.0	875.0	874.0	874.0	2.6	2.6	-96.06	-21.2	-199.8	200.9	195.6	5.36	37.482	
900.0	900.0	899.0	899.0	2.7	2.7	-96.06	-21.2	-199.8	200.9	195.5	5.44	36.952	
925.0	925.0	924.0	924.0	2.7	2.7	-96.06	-21.2	-199.8	200.9	195.4	5.51	36.467	
950.0	950.0	949.0	949.0	2.8	2.8	-96.06	-21.2	-199.8	200.9	195.3	5.58	35.994	
975.0	975.0	974.0	974.0	2.8	2.8	-96.06	-21.2	-199.8	200.9	195.3	5.65	35.534	
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-96.06	-21.2	-199.8	200.9	195.2	5.73	35.085	
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-96.06	-21.2	-199.8	200.9	195.1	5.80	34.670	
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-96.06	-21.2	-199.8	200.9	195.1	5.86	34.264	
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-96.06	-21.2	-199.8	200.9	195.0	5.93	33.868	
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-96.06	-21.2	-199.8	200.9	194.9	6.00	33.481	
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-96.06	-21.2	-199.8	200.9	194.9	6.07	33.120	
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-96.06	-21.2	-199.8	200.9	194.8	6.13	32.767	
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-96.06	-21.2	-199.8	200.9	194.7	6.20	32.422	
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-96.06	-21.2	-199.8	200.9	194.7	6.26	32.084	
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-96.06	-21.2	-199.8	200.9	194.6	6.33	31.766	
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-96.06	-21.2	-199.8	200.9	194.5	6.39	31.455	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-96.06	-21.2	-199.8	200.9	194.5	6.45	31.150	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-96.06	-21.2	-199.8	200.9	194.4	6.51	30.851	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-96.06	-21.2	-199.8	200.9	194.3	6.57	30.569	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-96.06	-21.2	-199.8	200.9	194.3	6.63	30.292	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-96.06	-21.2	-199.8	200.9	194.2	6.69	30.020	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-96.06	-21.2	-199.8	200.9	194.2	6.75	29.753	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-96.06	-21.2	-199.8	200.9	194.1	6.81	29.500	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-96.06	-21.2	-199.8	200.9	194.1	6.87	29.252	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-96.06	-21.2	-199.8	200.9	194.0	6.93	29.007	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-96.06	-21.2	-199.8	200.9	193.9	6.98	28.767	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-96.06	-21.2	-199.8	200.9	193.9	7.04	28.538	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-96.06	-21.2	-199.8	200.9	193.8	7.10	28.314	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-96.06	-21.2	-199.8	200.9	193.8	7.15	28.092	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-96.06	-21.2	-199.8	200.9	193.7	7.21	27.874	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-96.06	-21.2	-199.8	200.9	193.7	7.26	27.667	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-96.06	-21.2	-199.8	200.9	193.6	7.32	27.462	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-96.06	-21.2	-199.8	200.9	193.6	7.37	27.260	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-96.06	-21.2	-199.8	200.9	193.5	7.42	27.062	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-96.06	-21.2	-199.8	200.9	193.4	7.48	26.871	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-96.06	-21.2	-199.8	200.9	193.4	7.53	26.684	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-96.06	-21.2	-199.8	200.9	193.3	7.58	26.499	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-96.06	-21.2	-199.8	200.9	193.3	7.63	26.317	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-96.06	-21.2	-199.8	200.9	193.2	7.69	26.142	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-96.06	-21.2	-199.8	200.9	193.2	7.74	25.970	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-96.06	-21.2	-199.8	200.9	193.1	7.79	25.800	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-96.06	-21.2	-199.8	200.9	193.1	7.84	25.632	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-96.06	-21.2	-199.8	200.9	193.0	7.89	25.470	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-96.06	-21.2	-199.8	200.9	193.0	7.94	25.311	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-96.06	-21.2	-199.8	200.9	192.9	7.99	25.153	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-96.06	-21.2	-199.8	200.9	192.9	8.04	24.998	
2,025.0	2,025.0	2,024.8	2,024.8	4.4	4.4	-18.24	-21.2	-199.8	200.8	192.7	8.12	24.740	
2,050.0	2,050.0	2,050.5	2,050.5	4.5	4.5	-18.25	-21.1	-199.6	200.3	192.1	8.19	24.452	
2,075.0	2,075.0	2,076.3	2,076.3	4.5	4.5	-18.26	-20.9	-199.4	199.6	191.3	8.27	24.133	
2,100.0	2,100.0	2,102.1	2,102.1	4.5	4.5	-18.28	-20.7	-199.1	198.5	190.1	8.35	23.780	
2,125.0	2,125.0	2,127.8	2,127.8	4.6	4.6	-18.31	-20.4	-198.6	197.1	188.6	8.47	23.265	
2,150.0	2,149.9	2,153.5	2,153.5	4.6	4.6	-18.35	-20.0	-198.1	195.4	186.8	8.60	22.730	
2,175.0	2,174.9	2,179.2	2,179.2	4.7	4.7	-18.39	-19.6	-197.5	193.5	184.7	8.72	22.176	
2,200.0	2,199.8	2,204.9	2,204.8	4.7	4.7	-18.44	-19.1	-196.8	191.2	182.3	8.85	21.603	
2,225.0	2,224.8	2,230.5	2,230.4	4.7	4.7	-18.49	-18.5	-196.0	188.6	179.6	8.98	21.001	
2,250.0	2,249.7	2,256.0	2,256.0	4.8	4.8	-18.56	-17.9	-195.1	185.7	176.6	9.11	20.384	
2,275.0	2,274.6	2,281.6	2,281.4	4.8	4.8	-18.63	-17.2	-194.1	182.5	173.3	9.24	19.751	
2,300.0	2,299.5	2,307.0	2,306.9	4.9	4.9	-18.72	-16.5	-193.1	179.0	169.6	9.37	19.103	
2,325.0	2,324.3	2,332.4	2,332.2	4.9	4.9	-18.81	-15.7	-191.9	175.2	165.7	9.51	18.431	
2,350.0	2,349.1	2,357.7	2,357.5	5.0	5.0	-18.92	-14.8	-190.7	171.1	161.5	9.64	17.747	
2,375.0	2,373.9	2,383.0	2,382.7	5.1	5.0	-19.03	-13.9	-189.3	166.7	157.0	9.78	17.051	
2,400.0	2,398.7	2,408.2	2,407.9	5.1	5.1	-19.17	-12.9	-187.9	162.0	152.1	9.92	16.343	
2,425.0	2,423.4	2,433.3	2,432.9	5.2	5.1	-19.32	-11.8	-186.4	157.1	147.0	10.06	15.616	
2,450.0	2,448.2	2,458.3	2,457.9	5.3	5.1	-19.49	-10.7	-184.8	151.8	141.6	10.20	14.881	
2,475.0	2,472.8	2,483.3	2,482.7	5.4	5.2	-19.68	-9.5	-183.1	146.2	135.9	10.34	14.139	
2,500.0	2,497.5	2,508.3	2,507.6	5.5	5.2	-19.90	-8.3	-181.3	140.3	129.8	10.48	13.386	
2,525.0	2,522.1	2,533.5	2,532.7	5.5	5.3	-20.21	-7.1	-179.4	134.1	123.5	10.61	12.635	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,558.5	2,557.6	5.6	5.4	-20.65	-6.0	-177.2	127.5	116.8	10.74	11.869	
2,575.0	2,571.1	2,583.4	2,582.4	5.7	5.4	-21.24	-5.1	-174.9	120.6	109.7	10.87	11.091	
2,600.0	2,595.6	2,608.1	2,607.0	5.7	5.5	-21.93	-4.2	-172.4	113.4	102.4	10.98	10.320	
2,625.0	2,620.1	2,632.7	2,631.4	5.8	5.6	-22.79	-3.5	-169.7	106.0	94.9	11.13	9.523	
2,650.0	2,644.6	2,657.2	2,655.7	5.9	5.6	-23.85	-2.8	-166.9	98.5	87.2	11.27	8.737	
2,675.0	2,669.1	2,681.5	2,679.9	5.9	5.7	-25.17	-2.3	-163.9	90.9	79.5	11.42	7.960	
2,700.0	2,693.6	2,705.8	2,703.9	6.0	5.7	-26.83	-1.8	-160.7	83.2	71.6	11.55	7.200	
2,725.0	2,718.1	2,729.6	2,727.5	6.1	5.8	-28.88	-1.5	-157.4	75.4	63.7	11.68	6.458	
2,750.0	2,742.6	2,753.2	2,750.9	6.2	5.8	-31.39	-1.1	-154.2	67.7	55.9	11.81	5.735	
2,775.0	2,767.1	2,776.8	2,774.2	6.3	5.9	-34.52	-0.8	-150.9	60.2	48.3	11.94	5.042	
2,800.0	2,791.6	2,800.4	2,797.6	6.4	5.9	-38.51	-0.4	-147.6	52.9	40.8	12.05	4.387	
2,825.0	2,816.1	2,824.0	2,821.0	6.4	6.0	-43.70	-0.1	-144.4	45.9	33.7	12.16	3.773	
2,850.0	2,840.6	2,847.6	2,844.4	6.5	6.0	-50.61	0.3	-141.1	39.4	27.1	12.23	3.218	
2,875.0	2,865.1	2,871.2	2,867.7	6.6	6.1	-59.90	0.6	-137.8	33.6	21.4	12.26	2.742	Normal Operations
2,900.0	2,889.6	2,894.8	2,891.1	6.7	6.2	-72.25	1.0	-134.6	29.1	16.9	12.23	2.379	Caution - Monitor Closely
2,925.0	2,914.1	2,918.4	2,914.5	6.8	6.2	-87.71	1.3	-131.3	26.4	14.3	12.19	2.170	Caution - Monitor Closely
2,939.6	2,928.4	2,932.2	2,928.1	6.8	6.3	-97.61	1.5	-129.4	26.0	13.8	12.20	2.132	Caution - Monitor Closely, CC, ES, SF
2,950.0	2,938.6	2,942.0	2,937.8	6.9	6.3	-104.72	1.7	-128.0	26.2	14.0	12.24	2.143	Caution - Monitor Closely
2,975.0	2,963.1	2,965.6	2,961.2	7.0	6.4	-120.59	2.0	-124.8	28.5	16.1	12.45	2.290	Caution - Monitor Closely
3,000.0	2,987.6	2,989.2	2,984.6	7.1	6.5	-133.49	2.4	-121.5	32.8	20.0	12.74	2.572	Normal Operations
3,025.0	3,012.1	3,012.8	3,008.0	7.2	6.5	-143.26	2.7	-118.2	38.3	25.3	13.04	2.941	Normal Operations
3,050.0	3,036.6	3,036.4	3,031.3	7.2	6.6	-150.51	3.1	-115.0	44.7	31.4	13.31	3.362	
3,075.0	3,061.1	3,060.0	3,054.7	7.3	6.7	-155.95	3.4	-111.7	51.7	38.1	13.56	3.813	
3,100.0	3,085.6	3,083.6	3,078.1	7.4	6.8	-160.11	3.8	-108.4	59.0	45.2	13.78	4.278	
3,125.0	3,110.1	3,107.2	3,101.4	7.5	6.8	-163.36	4.2	-105.2	66.5	52.5	13.99	4.748	
3,150.0	3,134.6	3,130.8	3,124.8	7.6	6.9	-165.96	4.5	-101.9	74.1	59.9	14.20	5.219	
3,175.0	3,159.1	3,154.4	3,148.2	7.7	7.0	-168.08	4.9	-98.6	81.9	67.5	14.40	5.687	
3,200.0	3,183.6	3,178.0	3,171.6	7.8	7.1	-169.83	5.2	-95.4	89.7	75.1	14.59	6.150	
3,225.0	3,208.1	3,201.6	3,194.9	7.9	7.2	-171.30	5.6	-92.1	97.7	82.9	14.78	6.607	
3,250.0	3,232.6	3,225.2	3,218.3	8.0	7.2	-172.56	5.9	-88.9	105.6	90.7	14.97	7.055	
3,275.0	3,257.1	3,248.8	3,241.7	8.1	7.3	-173.63	6.3	-85.6	113.6	98.5	15.16	7.496	
3,300.0	3,281.6	3,272.4	3,265.0	8.2	7.4	-174.57	6.6	-82.3	121.7	106.3	15.35	7.929	
3,325.0	3,306.1	3,296.0	3,288.4	8.3	7.5	-175.39	7.0	-79.1	129.7	114.2	15.53	8.354	
3,350.0	3,330.6	3,319.6	3,311.8	8.4	7.6	-176.11	7.3	-75.8	137.8	122.1	15.72	8.769	
3,375.0	3,355.1	3,343.2	3,335.2	8.5	7.7	-176.76	7.7	-72.5	145.9	130.0	15.90	9.176	
3,400.0	3,379.6	3,366.8	3,358.5	8.6	7.7	-177.33	8.0	-69.3	154.1	138.0	16.09	9.575	
3,425.0	3,404.1	3,390.4	3,381.9	8.7	7.8	-177.85	8.4	-66.0	162.2	145.9	16.28	9.965	
3,450.0	3,428.6	3,414.0	3,405.3	8.8	7.9	-178.32	8.7	-62.7	170.3	153.9	16.46	10.347	
3,475.0	3,453.1	3,437.6	3,428.6	8.9	8.0	-178.75	9.1	-59.5	178.5	161.8	16.65	10.721	
3,500.0	3,477.6	3,461.3	3,452.0	9.0	8.1	-179.14	9.4	-56.2	186.7	169.8	16.84	11.087	
3,525.0	3,502.1	3,484.9	3,475.4	9.1	8.2	-179.50	9.8	-52.9	194.8	177.8	17.02	11.444	
3,550.0	3,526.6	3,508.5	3,498.8	9.2	8.3	-179.82	10.1	-49.7	203.0	185.8	17.21	11.795	
3,575.0	3,551.1	3,532.1	3,522.1	9.3	8.4	179.87	10.5	-46.4	211.2	193.8	17.40	12.137	
3,600.0	3,575.6	3,555.7	3,545.5	9.4	8.4	179.59	10.8	-43.1	219.4	201.8	17.59	12.473	
3,625.0	3,600.1	3,579.3	3,568.9	9.5	8.5	179.33	11.2	-39.9	227.5	209.8	17.78	12.801	
3,650.0	3,624.6	3,602.9	3,592.2	9.6	8.6	179.09	11.5	-36.6	235.7	217.8	17.97	13.122	
3,675.0	3,649.1	3,626.5	3,615.6	9.8	8.7	178.86	11.9	-33.3	243.9	225.8	18.16	13.436	
3,700.0	3,673.6	3,650.1	3,639.0	9.9	8.8	178.65	12.2	-30.1	252.1	233.8	18.34	13.744	
3,725.0	3,698.1	3,673.7	3,662.4	10.0	8.9	178.45	12.6	-26.8	260.3	241.8	18.54	14.045	
3,750.0	3,722.6	3,697.3	3,685.7	10.1	9.0	178.27	12.9	-23.5	268.5	249.8	18.73	14.341	
3,775.0	3,747.1	3,720.9	3,709.1	10.2	9.1	178.09	13.3	-20.3	276.8	257.8	18.92	14.629	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,771.6	3,744.5	3,732.5	10.3	9.2	177.93	13.6	-17.0	285.0	265.9	19.11	14.912	
3,825.0	3,796.1	3,768.1	3,755.8	10.4	9.3	177.77	14.0	-13.7	293.2	273.9	19.30	15.189	
3,850.0	3,820.6	3,791.7	3,779.2	10.5	9.4	177.63	14.3	-10.5	301.4	281.9	19.49	15.461	
3,875.0	3,845.1	3,815.3	3,802.6	10.6	9.4	177.49	14.7	-7.2	309.6	289.9	19.69	15.727	
3,900.0	3,869.5	3,838.9	3,826.0	10.7	9.5	177.35	15.0	-3.9	317.8	297.9	19.88	15.988	
3,925.0	3,894.0	3,862.5	3,849.3	10.8	9.6	177.23	15.4	-0.7	326.0	306.0	20.07	16.243	
3,950.0	3,918.5	3,886.1	3,872.7	10.9	9.7	177.11	15.7	2.6	334.3	314.0	20.27	16.493	
3,975.0	3,943.0	3,909.7	3,896.1	11.0	9.8	177.00	16.1	5.9	342.5	322.0	20.46	16.738	
4,000.0	3,967.5	3,933.3	3,919.4	11.1	9.9	176.89	16.4	9.1	350.7	330.0	20.66	16.979	
4,025.0	3,992.0	3,956.9	3,942.8	11.2	10.0	176.78	16.8	12.4	358.9	338.1	20.85	17.214	
4,050.0	4,016.5	3,980.5	3,966.2	11.4	10.1	176.69	17.1	15.7	367.1	346.1	21.05	17.445	
4,075.0	4,041.0	4,004.1	3,989.6	11.5	10.2	176.59	17.5	18.9	375.4	354.1	21.24	17.672	
4,100.0	4,065.5	4,027.7	4,012.9	11.6	10.3	176.50	17.8	22.2	383.6	362.2	21.44	17.895	
4,125.0	4,090.0	4,051.3	4,036.3	11.7	10.4	176.41	18.2	25.5	391.8	370.2	21.63	18.113	
4,150.0	4,114.5	4,074.9	4,059.7	11.8	10.5	176.33	18.5	28.7	400.1	378.2	21.83	18.327	
4,175.0	4,139.0	4,098.5	4,083.0	11.9	10.6	176.25	18.9	32.0	408.3	386.3	22.03	18.537	
4,200.0	4,163.5	4,122.1	4,106.4	12.0	10.7	176.18	19.2	35.3	416.5	394.3	22.22	18.743	
4,225.0	4,188.0	4,145.7	4,129.8	12.1	10.8	176.10	19.6	38.5	424.7	402.3	22.42	18.945	
4,250.0	4,212.5	4,169.3	4,153.2	12.2	10.8	176.03	19.9	41.8	433.0	410.4	22.62	19.143	
4,275.0	4,237.0	4,192.9	4,176.5	12.3	10.9	175.96	20.3	45.1	441.2	418.4	22.81	19.338	
4,300.0	4,261.5	4,216.5	4,199.9	12.4	11.0	175.90	20.6	48.3	449.4	426.4	23.01	19.530	
4,325.0	4,286.0	4,240.1	4,223.3	12.6	11.1	175.83	21.0	51.6	457.7	434.5	23.21	19.718	
4,350.0	4,310.5	4,263.7	4,246.6	12.7	11.2	175.77	21.3	54.9	465.9	442.5	23.41	19.902	
4,375.0	4,335.0	4,287.3	4,270.0	12.8	11.3	175.71	21.7	58.1	474.1	450.5	23.61	20.084	
4,400.0	4,359.5	4,310.9	4,293.4	12.9	11.4	175.66	22.0	61.4	482.4	458.6	23.80	20.264	
4,425.0	4,384.0	4,334.5	4,316.8	13.0	11.5	175.60	22.4	64.6	490.6	466.6	24.00	20.444	
4,450.0	4,408.5	4,358.1	4,340.1	13.1	11.6	175.55	22.7	67.9	498.8	474.6	24.19	20.621	
4,475.0	4,433.0	4,383.2	4,365.0	13.2	11.7	175.50	23.1	71.4	507.0	482.6	24.40	20.784	
4,500.0	4,457.5	4,409.1	4,390.6	13.3	11.8	175.45	23.5	74.8	515.2	490.5	24.61	20.932	
4,525.0	4,482.0	4,435.1	4,416.4	13.4	11.9	175.40	23.8	78.2	523.2	498.3	24.83	21.068	
4,550.0	4,506.5	4,461.1	4,442.2	13.6	12.0	175.36	24.2	81.4	531.1	506.0	25.05	21.196	
4,575.0	4,531.0	4,487.2	4,468.2	13.7	12.1	175.32	24.5	84.5	538.9	513.6	25.28	21.319	
4,600.0	4,555.5	4,513.4	4,494.2	13.8	12.2	175.29	24.8	87.5	546.6	521.1	25.50	21.436	
4,625.0	4,580.0	4,539.7	4,520.3	13.9	12.3	175.26	25.2	90.4	554.1	528.4	25.72	21.547	
4,650.0	4,604.5	4,566.0	4,546.5	14.0	12.4	175.24	25.5	93.2	561.6	535.7	25.94	21.652	
4,675.0	4,629.0	4,592.5	4,572.8	14.1	12.5	175.21	25.7	95.9	569.0	542.8	26.16	21.752	
4,700.0	4,653.5	4,618.9	4,599.1	14.2	12.6	175.20	26.0	98.5	576.3	549.9	26.38	21.847	
4,725.0	4,678.0	4,645.5	4,625.6	14.3	12.7	175.18	26.3	100.9	583.4	556.8	26.60	21.937	
4,750.0	4,702.5	4,672.1	4,652.1	14.5	12.8	175.17	26.5	103.3	590.5	563.7	26.81	22.021	
4,775.0	4,727.0	4,698.9	4,678.7	14.6	12.9	175.16	26.8	105.5	597.4	570.4	27.03	22.100	
4,800.0	4,751.5	4,725.6	4,705.4	14.7	13.0	175.16	27.0	107.6	604.3	577.0	27.25	22.177	
4,825.0	4,776.0	4,752.5	4,732.2	14.8	13.1	175.16	27.2	109.6	611.0	583.5	27.46	22.248	
4,850.0	4,800.5	4,779.4	4,759.0	14.9	13.2	175.16	27.4	111.5	617.6	589.9	27.68	22.314	
4,875.0	4,825.0	4,806.4	4,786.0	15.0	13.3	175.16	27.6	113.2	624.1	596.2	27.89	22.376	
4,900.0	4,849.5	4,833.4	4,813.0	15.1	13.4	175.17	27.8	114.8	630.5	602.4	28.10	22.436	
4,925.0	4,874.0	4,860.5	4,840.0	15.2	13.5	175.18	27.9	116.3	636.8	608.5	28.31	22.491	
4,950.0	4,898.5	4,887.7	4,867.2	15.4	13.6	175.19	28.1	117.7	643.0	614.4	28.52	22.542	
4,975.0	4,923.0	4,914.9	4,894.4	15.5	13.7	175.20	28.2	118.9	649.0	620.3	28.73	22.590	
5,000.0	4,947.5	4,942.2	4,921.7	15.6	13.8	175.22	28.3	120.1	655.0	626.0	28.93	22.636	
5,025.0	4,972.0	4,969.6	4,949.0	15.7	13.8	175.24	28.4	121.1	660.8	631.7	29.14	22.677	
5,050.0	4,996.5	4,997.0	4,976.4	15.8	13.9	175.26	28.5	121.9	666.5	637.2	29.34	22.714	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,075.0	5,021.0	5,024.5	5,003.9	15.9	14.0	175.29	28.6	122.7	672.1	642.6	29.54	22.754	
5,100.0	5,045.5	5,052.0	5,031.4	16.0	14.1	175.31	28.7	123.3	677.6	647.9	29.73	22.790	
5,125.0	5,070.0	5,079.6	5,059.0	16.1	14.2	175.34	28.7	123.8	683.0	653.1	29.93	22.821	
5,150.0	5,094.5	5,107.3	5,086.6	16.3	14.2	175.37	28.8	124.1	688.3	658.2	30.12	22.855	
5,175.0	5,119.0	5,135.0	5,114.4	16.4	14.3	175.41	28.8	124.3	693.4	663.2	30.27	22.905	
5,200.0	5,143.5	5,162.8	5,142.1	16.5	14.3	175.44	28.8	124.4	698.5	668.0	30.43	22.951	
5,225.0	5,168.0	5,187.6	5,167.0	16.6	14.3	175.48	28.8	124.4	703.5	672.9	30.56	23.018	
5,250.0	5,192.4	5,212.1	5,191.4	16.7	14.3	175.51	28.8	124.4	708.4	677.7	30.69	23.083	
5,275.0	5,216.9	5,236.6	5,215.9	16.8	14.3	175.54	28.8	124.4	713.4	682.6	30.82	23.145	
5,300.0	5,241.4	5,261.1	5,240.4	16.9	14.3	175.57	28.8	124.4	718.4	687.4	30.96	23.206	
5,325.0	5,265.9	5,285.6	5,264.9	17.1	14.4	175.60	28.8	124.4	723.3	692.2	31.09	23.265	
5,350.0	5,290.4	5,310.1	5,289.4	17.2	14.4	175.63	28.8	124.4	728.3	697.1	31.22	23.324	
5,375.0	5,314.9	5,334.6	5,313.9	17.3	14.4	175.66	28.8	124.4	733.3	701.9	31.36	23.383	
5,400.0	5,339.4	5,359.1	5,338.4	17.4	14.4	175.69	28.8	124.4	738.2	706.7	31.49	23.441	
5,425.0	5,363.9	5,383.6	5,362.9	17.5	14.4	175.72	28.8	124.4	743.2	711.6	31.63	23.498	
5,450.0	5,388.4	5,408.1	5,387.4	17.6	14.4	175.75	28.8	124.4	748.2	716.4	31.76	23.554	
5,475.0	5,412.9	5,432.6	5,411.9	17.7	14.4	175.77	28.8	124.4	753.2	721.3	31.90	23.610	
5,498.0	5,435.5	5,455.1	5,434.5	17.8	14.4	175.80	28.8	124.4	757.7	725.7	32.03	23.661	
5,500.0	5,437.4	5,457.1	5,436.4	17.8	14.4	175.80	28.8	124.4	758.1	726.1	32.04	23.665	
5,525.0	5,461.9	5,481.6	5,460.9	18.0	14.5	175.83	28.8	124.4	763.0	730.8	32.21	23.688	
5,550.0	5,486.5	5,506.1	5,485.5	18.1	14.5	175.87	28.8	124.4	767.7	735.3	32.39	23.705	
5,575.0	5,511.1	5,530.7	5,510.1	18.3	14.5	175.90	28.8	124.4	772.3	739.7	32.56	23.716	
5,600.0	5,535.7	5,555.3	5,534.7	18.4	14.5	175.92	28.8	124.4	776.7	743.9	32.74	23.722	
5,625.0	5,560.3	5,580.0	5,559.3	18.6	14.5	175.95	28.8	124.4	780.9	748.0	32.87	23.754	
5,650.0	5,585.0	5,604.6	5,584.0	18.7	14.5	175.98	28.8	124.4	785.0	752.0	33.01	23.781	
5,675.0	5,609.7	5,629.3	5,608.7	18.8	14.5	176.00	28.8	124.4	788.9	755.8	33.14	23.802	
5,700.0	5,634.4	5,654.0	5,633.4	18.9	14.6	176.02	28.8	124.4	792.7	759.4	33.28	23.818	
5,725.0	5,659.1	5,678.8	5,658.1	19.0	14.6	176.04	28.8	124.4	796.3	762.8	33.41	23.833	
5,750.0	5,683.9	5,703.5	5,682.9	19.1	14.6	176.06	28.8	124.4	799.7	766.1	33.54	23.842	
5,775.0	5,708.7	5,728.3	5,707.7	19.2	14.6	176.08	28.8	124.4	803.0	769.3	33.67	23.846	
5,800.0	5,733.5	5,753.1	5,732.5	19.3	14.6	176.10	28.8	124.4	806.1	772.3	33.80	23.845	
5,825.0	5,758.3	5,777.9	5,757.3	19.4	14.6	176.12	28.8	124.4	809.0	775.1	33.93	23.843	
5,850.0	5,783.1	5,802.8	5,782.1	19.5	14.6	176.14	28.8	124.4	811.8	777.7	34.06	23.836	
5,875.0	5,808.0	5,827.6	5,807.0	19.6	14.6	176.15	28.8	124.4	814.4	780.2	34.18	23.824	
5,900.0	5,832.9	5,852.5	5,831.9	19.7	14.7	176.16	28.8	124.4	816.9	782.6	34.31	23.808	
5,925.0	5,857.8	5,877.4	5,856.8	19.8	14.7	176.18	28.8	124.4	819.2	784.7	34.43	23.791	
5,950.0	5,882.7	5,902.3	5,881.7	19.9	14.7	176.19	28.8	124.4	821.3	786.8	34.55	23.770	
5,975.0	5,907.6	5,927.3	5,906.6	20.0	14.7	176.20	28.8	124.4	823.3	788.6	34.67	23.744	
6,000.0	5,932.5	5,952.2	5,931.5	20.1	14.7	176.21	28.8	124.4	825.1	790.3	34.79	23.713	
6,025.0	5,957.5	5,977.1	5,956.5	20.2	14.7	176.22	28.8	124.4	826.7	791.8	34.91	23.684	
6,050.0	5,982.4	6,002.1	5,981.4	20.3	14.7	176.23	28.8	124.4	828.2	793.2	35.02	23.650	
6,075.0	6,007.4	6,027.1	6,006.4	20.4	14.8	176.24	28.8	124.4	829.5	794.4	35.13	23.612	
6,100.0	6,032.4	6,052.0	6,031.4	20.5	14.8	176.24	28.8	124.4	830.7	795.4	35.24	23.569	
6,125.0	6,057.4	6,077.0	6,056.4	20.5	14.8	176.25	28.8	124.4	831.7	796.3	35.34	23.531	
6,150.0	6,082.4	6,102.0	6,081.4	20.6	14.8	176.25	28.8	124.4	832.5	797.1	35.44	23.489	
6,175.0	6,107.3	6,127.0	6,106.3	20.7	14.8	176.26	28.8	124.4	833.2	797.6	35.54	23.442	
6,200.0	6,132.3	6,152.0	6,131.3	20.8	14.8	176.26	28.8	124.4	833.7	798.0	35.64	23.391	
6,225.0	6,157.3	6,177.0	6,156.3	20.8	14.8	176.26	28.8	124.4	834.0	798.3	35.69	23.367	
6,250.0	6,182.3	6,202.0	6,181.3	20.8	14.9	176.26	28.8	124.4	834.2	798.5	35.74	23.339	
6,264.7	6,197.0	6,216.6	6,196.0	20.9	14.9	98.44	28.8	124.4	834.2	798.5	35.77	23.320	
6,275.0	6,207.3	6,227.0	6,206.3	20.9	14.9	98.44	28.8	124.4	834.2	798.4	35.78	23.316	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,300.0	6,232.3	6,252.0	6,231.3	20.9	14.9	98.44	28.8	124.4	834.2	798.4	35.79	23.306	
6,325.0	6,257.3	6,277.0	6,256.3	20.9	14.9	98.44	28.8	124.4	834.2	798.4	35.82	23.291	
6,350.0	6,282.3	6,302.0	6,281.3	20.9	14.9	98.44	28.8	124.4	834.2	798.4	35.84	23.277	
6,375.0	6,307.3	6,327.0	6,306.3	20.9	14.9	98.44	28.8	124.4	834.2	798.4	35.86	23.262	
6,400.0	6,332.3	6,352.0	6,331.3	20.9	14.9	98.44	28.8	124.4	834.2	798.3	35.88	23.247	
6,425.0	6,357.3	6,377.0	6,356.3	20.9	15.0	98.44	28.8	124.4	834.2	798.3	35.91	23.233	
6,450.0	6,382.3	6,402.0	6,381.3	20.9	15.0	98.44	28.8	124.4	834.2	798.3	35.93	23.218	
6,475.0	6,407.3	6,427.0	6,406.3	20.9	15.0	98.44	28.8	124.4	834.2	798.3	35.95	23.204	
6,500.0	6,432.3	6,452.0	6,431.3	20.9	15.0	98.44	28.8	124.4	834.2	798.3	35.98	23.189	
6,525.0	6,457.3	6,477.0	6,456.3	21.0	15.0	98.44	28.8	124.4	834.2	798.2	36.00	23.174	
6,550.0	6,482.3	6,502.0	6,481.3	21.0	15.0	98.44	28.8	124.4	834.2	798.2	36.02	23.160	
6,575.0	6,507.3	6,527.0	6,506.3	21.0	15.0	98.44	28.8	124.4	834.2	798.2	36.04	23.145	
6,600.0	6,532.3	6,552.0	6,531.3	21.0	15.1	98.44	28.8	124.4	834.2	798.2	36.07	23.130	
6,625.0	6,557.3	6,577.0	6,556.3	21.0	15.1	98.44	28.8	124.4	834.2	798.1	36.09	23.116	
6,650.0	6,582.3	6,602.0	6,581.3	21.0	15.1	98.44	28.8	124.4	834.2	798.1	36.11	23.101	
6,675.0	6,607.3	6,627.0	6,606.3	21.0	15.1	98.44	28.8	124.4	834.2	798.1	36.13	23.086	
6,700.0	6,632.3	6,652.0	6,631.3	21.0	15.1	98.44	28.8	124.4	834.2	798.1	36.16	23.072	
6,725.0	6,657.3	6,677.0	6,656.3	21.0	15.1	98.44	28.8	124.4	834.2	798.0	36.18	23.057	
6,750.0	6,682.3	6,702.0	6,681.3	21.0	15.1	98.44	28.8	124.4	834.2	798.0	36.20	23.043	
6,775.0	6,707.3	6,727.0	6,706.3	21.1	15.2	98.44	28.8	124.4	834.2	798.0	36.23	23.028	
6,800.0	6,732.3	6,752.0	6,731.3	21.1	15.2	98.44	28.8	124.4	834.2	798.0	36.25	23.013	
6,825.0	6,757.3	6,777.0	6,756.3	21.1	15.2	98.44	28.8	124.4	834.2	798.0	36.27	22.999	
6,850.0	6,782.3	6,802.0	6,781.3	21.1	15.2	98.44	28.8	124.4	834.2	797.9	36.30	22.984	
6,875.0	6,807.3	6,827.0	6,806.3	21.1	15.2	98.44	28.8	124.4	834.2	797.9	36.32	22.969	
6,900.0	6,832.3	6,852.0	6,831.3	21.1	15.2	98.44	28.8	124.4	834.2	797.9	36.34	22.955	
6,925.0	6,857.3	6,877.0	6,856.3	21.1	15.2	98.44	28.8	124.4	834.2	797.9	36.37	22.940	
6,950.0	6,882.3	6,902.0	6,881.3	21.1	15.3	98.44	28.8	124.4	834.2	797.8	36.39	22.925	
6,975.0	6,907.3	6,927.0	6,906.3	21.1	15.3	98.44	28.8	124.4	834.2	797.8	36.41	22.911	
7,000.0	6,932.3	6,952.0	6,931.3	21.1	15.3	98.44	28.8	124.4	834.2	797.8	36.44	22.896	
7,025.0	6,957.3	6,977.0	6,956.3	21.2	15.3	98.44	28.8	124.4	834.2	797.8	36.46	22.881	
7,050.0	6,982.3	7,002.0	6,981.3	21.2	15.3	98.44	28.8	124.4	834.2	797.7	36.48	22.867	
7,075.0	7,007.3	7,027.0	7,006.3	21.2	15.3	98.44	28.8	124.4	834.2	797.7	36.51	22.852	
7,100.0	7,032.3	7,052.0	7,031.3	21.2	15.3	98.44	28.8	124.4	834.2	797.7	36.53	22.837	
7,125.0	7,057.3	7,077.0	7,056.3	21.2	15.4	98.44	28.8	124.4	834.2	797.7	36.55	22.823	
7,150.0	7,082.3	7,102.0	7,081.3	21.2	15.4	98.44	28.8	124.4	834.2	797.7	36.58	22.808	
7,175.0	7,107.3	7,127.0	7,106.3	21.2	15.4	98.44	28.8	124.4	834.2	797.6	36.60	22.793	
7,200.0	7,132.3	7,152.0	7,131.3	21.2	15.4	98.44	28.8	124.4	834.2	797.6	36.62	22.779	
7,225.0	7,157.3	7,177.0	7,156.3	21.2	15.4	98.44	28.8	124.4	834.2	797.6	36.65	22.764	
7,250.0	7,182.3	7,202.0	7,181.3	21.2	15.4	98.44	28.8	124.4	834.2	797.6	36.67	22.750	
7,275.0	7,207.3	7,227.0	7,206.3	21.3	15.4	98.44	28.8	124.4	834.2	797.5	36.69	22.735	
7,300.0	7,232.3	7,252.0	7,231.3	21.3	15.5	98.44	28.8	124.4	834.2	797.5	36.72	22.720	
7,325.0	7,257.3	7,277.0	7,256.3	21.3	15.5	98.44	28.8	124.4	834.2	797.5	36.74	22.706	
7,350.0	7,282.3	7,302.0	7,281.3	21.3	15.5	98.44	28.8	124.4	834.2	797.5	36.76	22.691	
7,375.0	7,307.3	7,327.0	7,306.3	21.3	15.5	98.44	28.8	124.4	834.2	797.4	36.79	22.676	
7,400.0	7,332.3	7,352.0	7,331.3	21.3	15.5	98.44	28.8	124.4	834.2	797.4	36.81	22.662	
7,425.0	7,357.3	7,377.0	7,356.3	21.3	15.5	98.44	28.8	124.4	834.2	797.4	36.84	22.647	
7,450.0	7,382.3	7,402.0	7,381.3	21.3	15.6	98.44	28.8	124.4	834.2	797.4	36.86	22.632	
7,475.0	7,407.3	7,427.0	7,406.3	21.3	15.6	98.44	28.8	124.4	834.2	797.3	36.88	22.618	
7,500.0	7,432.3	7,452.0	7,431.3	21.3	15.6	98.44	28.8	124.4	834.2	797.3	36.91	22.603	
7,525.0	7,457.3	7,477.0	7,456.3	21.4	15.6	98.44	28.8	124.4	834.2	797.3	36.93	22.588	
7,550.0	7,482.3	7,502.0	7,481.3	21.4	15.6	98.44	28.8	124.4	834.2	797.3	36.96	22.574	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,507.3	7,527.0	7,506.3	21.4	15.6	98.44	28.8	124.4	834.2	797.2	36.98	22.559	
7,600.0	7,532.3	7,552.0	7,531.3	21.4	15.6	98.44	28.8	124.4	834.2	797.2	37.00	22.545	
7,625.0	7,557.3	7,577.0	7,556.3	21.4	15.7	98.44	28.8	124.4	834.2	797.2	37.03	22.530	
7,650.0	7,582.3	7,602.0	7,581.3	21.4	15.7	98.44	28.8	124.4	834.2	797.2	37.05	22.515	
7,675.0	7,607.3	7,627.0	7,606.3	21.4	15.7	98.44	28.8	124.4	834.2	797.2	37.08	22.501	
7,700.0	7,632.3	7,652.0	7,631.3	21.4	15.7	98.44	28.8	124.4	834.2	797.1	37.10	22.486	
7,725.0	7,657.3	7,677.0	7,656.3	21.4	15.7	98.44	28.8	124.4	834.2	797.1	37.12	22.471	
7,750.0	7,682.3	7,702.0	7,681.3	21.4	15.7	98.44	28.8	124.4	834.2	797.1	37.15	22.457	
7,775.0	7,707.3	7,727.0	7,706.3	21.5	15.7	98.44	28.8	124.4	834.2	797.1	37.17	22.442	
7,800.0	7,732.3	7,752.0	7,731.3	21.5	15.8	98.44	28.8	124.4	834.2	797.0	37.20	22.428	
7,825.0	7,757.3	7,777.0	7,756.3	21.5	15.8	98.44	28.8	124.4	834.2	797.0	37.22	22.413	
7,850.0	7,782.3	7,802.0	7,781.3	21.5	15.8	98.44	28.8	124.4	834.2	797.0	37.25	22.398	
7,875.0	7,807.3	7,827.0	7,806.3	21.5	15.8	98.44	28.8	124.4	834.2	797.0	37.27	22.384	
7,900.0	7,832.3	7,852.0	7,831.3	21.5	15.8	98.44	28.8	124.4	834.2	796.9	37.29	22.369	
7,925.0	7,857.3	7,877.0	7,856.3	21.5	15.8	98.44	28.8	124.4	834.2	796.9	37.32	22.355	
7,950.0	7,882.3	7,902.0	7,881.3	21.5	15.8	98.44	28.8	124.4	834.2	796.9	37.34	22.340	
7,975.0	7,907.3	7,927.0	7,906.3	21.5	15.9	98.44	28.8	124.4	834.2	796.9	37.37	22.325	
8,000.0	7,932.3	7,952.0	7,931.3	21.6	15.9	98.44	28.8	124.4	834.2	796.8	37.39	22.311	
8,025.0	7,957.3	7,977.0	7,956.3	21.6	15.9	98.44	28.8	124.4	834.2	796.8	37.42	22.296	
8,050.0	7,982.3	8,002.0	7,981.3	21.6	15.9	98.44	28.8	124.4	834.2	796.8	37.44	22.282	
8,075.0	8,007.3	8,027.0	8,006.3	21.6	15.9	98.44	28.8	124.4	834.2	796.8	37.46	22.267	
8,100.0	8,032.3	8,052.0	8,031.3	21.6	15.9	98.44	28.8	124.4	834.2	796.7	37.49	22.252	
8,125.0	8,057.3	8,077.0	8,056.3	21.6	16.0	98.44	28.8	124.4	834.2	796.7	37.51	22.238	
8,150.0	8,082.3	8,102.0	8,081.3	21.6	16.0	98.44	28.8	124.4	834.2	796.7	37.54	22.223	
8,175.0	8,107.3	8,127.0	8,106.3	21.6	16.0	98.44	28.8	124.4	834.2	796.7	37.56	22.209	
8,200.0	8,132.3	8,152.0	8,131.3	21.6	16.0	98.44	28.8	124.4	834.2	796.6	37.59	22.194	
8,225.0	8,157.3	8,177.0	8,156.3	21.6	16.0	98.44	28.8	124.4	834.2	796.6	37.61	22.179	
8,250.0	8,182.3	8,202.0	8,181.3	21.7	16.0	98.44	28.8	124.4	834.2	796.6	37.64	22.165	
8,275.0	8,207.3	8,227.0	8,206.3	21.7	16.0	98.44	28.8	124.4	834.2	796.6	37.66	22.150	
8,300.0	8,232.3	8,252.0	8,231.3	21.7	16.1	98.44	28.8	124.4	834.2	796.5	37.69	22.136	
8,325.0	8,257.3	8,277.0	8,256.3	21.7	16.1	98.44	28.8	124.4	834.2	796.5	37.71	22.121	
8,350.0	8,282.3	8,302.0	8,281.3	21.7	16.1	98.44	28.8	124.4	834.2	796.5	37.74	22.107	
8,375.0	8,307.3	8,327.0	8,306.3	21.7	16.1	98.44	28.8	124.4	834.2	796.5	37.76	22.092	
8,400.0	8,332.3	8,352.0	8,331.3	21.7	16.1	98.44	28.8	124.4	834.2	796.4	37.79	22.078	
8,425.0	8,357.3	8,377.0	8,356.3	21.7	16.1	98.44	28.8	124.4	834.2	796.4	37.81	22.063	
8,450.0	8,382.3	8,402.0	8,381.3	21.7	16.2	98.44	28.8	124.4	834.2	796.4	37.84	22.048	
8,475.0	8,407.3	8,427.0	8,406.3	21.8	16.2	98.44	28.8	124.4	834.2	796.4	37.86	22.034	
8,500.0	8,432.3	8,452.0	8,431.3	21.8	16.2	98.44	28.8	124.4	834.2	796.3	37.89	22.019	
8,525.0	8,457.3	8,477.0	8,456.3	21.8	16.2	98.44	28.8	124.4	834.2	796.3	37.91	22.005	
8,550.0	8,482.3	8,502.0	8,481.3	21.8	16.2	98.44	28.8	124.4	834.2	796.3	37.94	21.990	
8,575.0	8,507.3	8,527.0	8,506.3	21.8	16.2	98.44	28.8	124.4	834.2	796.3	37.96	21.976	
8,600.0	8,532.3	8,552.0	8,531.3	21.8	16.2	98.44	28.8	124.4	834.2	796.2	37.99	21.961	
8,625.0	8,557.3	8,577.0	8,556.3	21.8	16.3	98.44	28.8	124.4	834.2	796.2	38.01	21.947	
8,650.0	8,582.3	8,602.0	8,581.3	21.8	16.3	98.44	28.8	124.4	834.2	796.2	38.04	21.932	
8,675.0	8,607.3	8,627.0	8,606.3	21.8	16.3	98.44	28.8	124.4	834.2	796.2	38.06	21.918	
8,700.0	8,632.3	8,652.0	8,631.3	21.9	16.3	98.44	28.8	124.4	834.2	796.1	38.09	21.903	
8,725.0	8,657.3	8,677.0	8,656.3	21.9	16.3	98.44	28.8	124.4	834.2	796.1	38.11	21.889	
8,750.0	8,682.3	8,702.0	8,681.3	21.9	16.3	98.44	28.8	124.4	834.2	796.1	38.14	21.874	
8,775.0	8,707.3	8,727.0	8,706.3	21.9	16.4	98.44	28.8	124.4	834.2	796.1	38.16	21.860	
8,800.0	8,732.3	8,752.0	8,731.3	21.9	16.4	98.44	28.8	124.4	834.2	796.0	38.19	21.845	
8,825.0	8,757.3	8,777.0	8,756.3	21.9	16.4	98.44	28.8	124.4	834.2	796.0	38.21	21.831	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10307-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,782.3	8,802.0	8,781.3	21.9	16.4	98.44	28.8	124.4	834.2	796.0	38.24	21.816	
8,875.0	8,807.3	8,827.0	8,806.3	21.9	16.4	98.44	28.8	124.4	834.2	796.0	38.26	21.802	
8,900.0	8,832.3	8,852.0	8,831.3	21.9	16.4	98.44	28.8	124.4	834.2	795.9	38.29	21.787	
8,925.0	8,857.3	8,877.0	8,856.3	21.9	16.4	98.44	28.8	124.4	834.2	795.9	38.32	21.773	
8,950.0	8,882.3	8,902.0	8,881.3	22.0	16.5	98.44	28.8	124.4	834.2	795.9	38.34	21.758	
8,975.0	8,907.3	8,927.0	8,906.3	22.0	16.5	98.44	28.8	124.4	834.2	795.9	38.37	21.744	
9,000.0	8,932.3	8,952.0	8,931.3	22.0	16.5	98.44	28.8	124.4	834.2	795.8	38.39	21.730	
9,025.0	8,957.3	8,977.0	8,956.3	22.0	16.5	98.44	28.8	124.4	834.2	795.8	38.42	21.715	
9,050.0	8,982.3	9,002.0	8,981.3	22.0	16.5	98.44	28.8	124.4	834.2	795.8	38.44	21.701	
9,075.0	9,007.3	9,027.0	9,006.3	22.0	16.5	98.44	28.8	124.4	834.2	795.8	38.47	21.686	
9,100.0	9,032.3	9,052.0	9,031.3	22.0	16.6	98.44	28.8	124.4	834.2	795.7	38.49	21.672	
9,125.0	9,057.3	9,077.0	9,056.3	22.0	16.6	98.44	28.8	124.4	834.2	795.7	38.51	21.661	
9,150.0	9,082.3	9,102.0	9,081.3	22.0	16.6	98.44	28.8	124.4	834.2	795.7	38.53	21.650	
9,161.2	9,093.6	9,113.2	9,092.6	22.0	16.6	98.44	28.8	124.4	834.2	795.7	38.54	21.645	
9,175.0	9,107.3	9,127.0	9,106.3	22.0	16.6	98.51	28.8	124.4	834.3	795.7	38.55	21.641	
9,200.0	9,132.3	9,151.9	9,131.3	22.0	16.6	98.58	28.8	124.4	834.5	795.9	38.56	21.638	
9,225.0	9,157.1	9,176.8	9,156.1	22.0	16.6	98.72	28.8	124.4	834.9	796.3	38.58	21.641	
9,250.0	9,181.8	9,201.5	9,180.8	22.0	16.6	98.91	28.8	124.4	835.5	796.9	38.59	21.651	
9,275.0	9,206.3	9,225.9	9,205.3	22.1	16.7	99.16	28.8	124.4	836.3	797.7	38.60	21.668	
9,300.0	9,230.4	9,250.0	9,229.4	22.1	16.7	99.45	28.8	124.4	837.4	798.8	38.61	21.692	
9,325.0	9,254.1	9,273.8	9,253.1	22.1	16.7	99.79	28.8	124.4	838.8	800.2	38.61	21.726	
9,350.0	9,277.5	9,297.1	9,276.5	22.1	16.7	100.16	28.8	124.4	840.5	801.9	38.61	21.769	
9,375.0	9,300.3	9,319.9	9,299.3	22.1	16.7	100.55	28.8	124.4	842.5	803.9	38.60	21.824	
9,400.0	9,322.5	9,342.1	9,321.5	22.1	16.7	100.95	28.8	124.4	844.9	806.3	38.59	21.892	
9,425.0	9,344.1	9,363.8	9,343.1	22.1	16.7	101.34	28.8	124.4	847.6	809.1	38.58	21.974	
9,450.0	9,365.0	9,384.7	9,364.0	22.1	16.8	101.72	28.8	124.4	850.9	812.3	38.55	22.071	
9,475.0	9,385.2	9,404.9	9,384.2	22.1	16.8	102.07	28.8	124.4	854.6	816.1	38.52	22.186	
9,500.0	9,404.6	9,424.3	9,403.6	22.1	16.8	102.37	28.8	124.4	858.9	820.4	38.48	22.320	
9,525.0	9,423.1	9,442.8	9,422.1	22.1	16.8	102.62	28.8	124.4	863.7	825.2	38.43	22.474	
9,550.0	9,440.8	9,460.4	9,439.8	22.1	16.8	102.80	28.8	124.4	869.1	830.7	38.37	22.649	
9,575.0	9,457.4	9,477.1	9,456.4	22.1	16.8	102.89	28.8	124.4	875.1	836.8	38.30	22.848	
9,600.0	9,473.1	9,492.8	9,472.1	22.1	16.8	102.89	28.8	124.4	881.8	843.6	38.22	23.070	
9,625.0	9,487.8	9,507.4	9,486.8	22.1	16.8	102.77	28.8	124.4	889.1	851.0	38.13	23.317	
9,650.0	9,501.3	9,521.0	9,500.3	22.1	16.8	102.53	28.8	124.4	897.2	859.1	38.03	23.589	
9,675.0	9,513.8	9,533.4	9,512.8	22.2	16.9	102.15	28.8	124.4	905.9	868.0	37.93	23.887	
9,700.0	9,525.1	9,544.7	9,524.1	22.2	16.9	101.62	28.8	124.4	915.4	877.5	37.81	24.211	
9,725.0	9,535.2	9,554.8	9,534.2	22.2	16.9	100.94	28.8	124.4	925.5	887.8	37.68	24.561	
9,750.0	9,544.1	9,563.7	9,543.1	22.2	16.9	100.08	28.8	124.4	936.3	898.8	37.55	24.937	
9,775.0	9,551.7	9,571.4	9,550.7	22.2	16.9	99.04	28.8	124.4	947.8	910.4	37.41	25.338	
9,800.0	9,558.1	9,577.8	9,557.1	22.3	16.9	97.82	28.8	124.4	959.9	922.6	37.26	25.764	
9,825.0	9,563.3	9,582.9	9,562.3	22.3	16.9	96.40	28.8	124.4	972.6	935.5	37.11	26.212	
9,850.0	9,567.1	9,586.7	9,566.1	22.3	16.9	94.78	28.8	124.4	985.9	949.0	36.95	26.683	
9,875.0	9,569.6	9,589.3	9,568.6	22.3	16.9	92.97	28.8	124.4	999.8	963.0	36.79	27.174	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	0.0	0.0	0.0	0.0	-79.03	38.8	-200.2	203.9				
25.0	25.0	24.1	24.1	0.5	0.1	-79.03	38.8	-200.2	203.9				
50.0	50.0	49.1	49.1	0.5	0.3	-79.03	38.8	-200.2	203.9	202.7	1.27	160.362	
75.0	75.0	74.1	74.1	0.5	0.4	-79.03	38.8	-200.2	203.9	202.6	1.36	149.445	
100.0	100.0	99.1	99.1	0.5	0.5	-79.03	38.8	-200.2	203.9	202.4	1.48	137.724	
125.0	125.0	124.1	124.1	0.6	0.6	-79.03	38.8	-200.2	203.9	202.2	1.73	118.099	
150.0	150.0	149.1	149.1	0.8	0.8	-79.03	38.8	-200.2	203.9	202.0	1.97	103.374	
175.0	175.0	174.1	174.1	0.9	0.9	-79.03	38.8	-200.2	203.9	201.7	2.22	91.914	
200.0	200.0	199.1	199.1	1.0	1.0	-79.03	38.8	-200.2	203.9	201.5	2.46	82.742	
225.0	225.0	224.1	224.1	1.1	1.1	-79.03	38.8	-200.2	203.9	201.3	2.63	77.660	
250.0	250.0	249.1	249.1	1.2	1.2	-79.03	38.8	-200.2	203.9	201.1	2.79	73.207	
275.0	275.0	274.1	274.1	1.3	1.3	-79.03	38.8	-200.2	203.9	201.0	2.95	69.237	
300.0	300.0	299.1	299.1	1.4	1.4	-79.03	38.8	-200.2	203.9	200.8	3.11	65.675	
325.0	325.0	324.1	324.1	1.4	1.4	-79.03	38.8	-200.2	203.9	200.7	3.23	63.063	
350.0	350.0	349.1	349.1	1.5	1.5	-79.03	38.8	-200.2	203.9	200.6	3.36	60.662	
375.0	375.0	374.1	374.1	1.6	1.6	-79.03	38.8	-200.2	203.9	200.4	3.49	58.436	
400.0	400.0	399.1	399.1	1.6	1.6	-79.03	38.8	-200.2	203.9	200.3	3.62	56.368	
425.0	425.0	424.1	424.1	1.7	1.7	-79.03	38.8	-200.2	203.9	200.2	3.73	54.700	
450.0	450.0	449.1	449.1	1.8	1.8	-79.03	38.8	-200.2	203.9	200.1	3.84	53.132	
475.0	475.0	474.1	474.1	1.8	1.8	-79.03	38.8	-200.2	203.9	200.0	3.95	51.652	
500.0	500.0	499.1	499.1	1.9	1.9	-79.03	38.8	-200.2	203.9	199.9	4.06	50.251	
525.0	525.0	524.1	524.1	1.9	1.9	-79.03	38.8	-200.2	203.9	199.8	4.16	49.064	
550.0	550.0	549.1	549.1	2.0	2.0	-79.03	38.8	-200.2	203.9	199.7	4.25	47.933	
575.0	575.0	574.1	574.1	2.1	2.1	-79.03	38.8	-200.2	203.9	199.6	4.35	46.854	
600.0	600.0	599.1	599.1	2.1	2.1	-79.03	38.8	-200.2	203.9	199.5	4.45	45.822	
625.0	625.0	624.1	624.1	2.2	2.2	-79.03	38.8	-200.2	203.9	199.4	4.54	44.919	
650.0	650.0	649.1	649.1	2.2	2.2	-79.03	38.8	-200.2	203.9	199.3	4.63	44.053	
675.0	675.0	674.1	674.1	2.3	2.3	-79.03	38.8	-200.2	203.9	199.2	4.72	43.220	
700.0	700.0	699.1	699.1	2.3	2.3	-79.03	38.8	-200.2	203.9	199.1	4.81	42.417	
725.0	725.0	724.1	724.1	2.4	2.4	-79.03	38.8	-200.2	203.9	199.0	4.89	41.700	
750.0	750.0	749.1	749.1	2.4	2.4	-79.03	38.8	-200.2	203.9	199.0	4.97	41.008	
775.0	775.0	774.1	774.1	2.5	2.5	-79.03	38.8	-200.2	203.9	198.9	5.06	40.338	
800.0	800.0	799.1	799.1	2.5	2.5	-79.03	38.8	-200.2	203.9	198.8	5.14	39.690	
825.0	825.0	824.1	824.1	2.6	2.6	-79.03	38.8	-200.2	203.9	198.7	5.22	39.102	
850.0	850.0	849.1	849.1	2.6	2.6	-79.03	38.8	-200.2	203.9	198.6	5.29	38.532	
875.0	875.0	874.1	874.1	2.6	2.6	-79.03	38.8	-200.2	203.9	198.6	5.37	37.978	
900.0	900.0	899.1	899.1	2.7	2.7	-79.03	38.8	-200.2	203.9	198.5	5.45	37.440	
925.0	925.0	924.1	924.1	2.7	2.7	-79.03	38.8	-200.2	203.9	198.4	5.52	36.946	
950.0	950.0	949.1	949.1	2.8	2.8	-79.03	38.8	-200.2	203.9	198.3	5.59	36.466	
975.0	975.0	974.1	974.1	2.8	2.8	-79.03	38.8	-200.2	203.9	198.3	5.66	35.998	
1,000.0	1,000.0	999.1	999.1	2.9	2.9	-79.03	38.8	-200.2	203.9	198.2	5.74	35.541	
1,025.0	1,025.0	1,024.1	1,024.1	2.9	2.9	-79.03	38.8	-200.2	203.9	198.1	5.81	35.119	
1,050.0	1,050.0	1,049.1	1,049.1	3.0	3.0	-79.03	38.8	-200.2	203.9	198.0	5.88	34.706	
1,075.0	1,075.0	1,074.1	1,074.1	3.0	3.0	-79.03	38.8	-200.2	203.9	198.0	5.94	34.304	
1,100.0	1,100.0	1,099.1	1,099.1	3.0	3.0	-79.03	38.8	-200.2	203.9	197.9	6.01	33.910	
1,125.0	1,125.0	1,124.1	1,124.1	3.1	3.1	-79.03	38.8	-200.2	203.9	197.8	6.08	33.543	
1,150.0	1,150.0	1,149.1	1,149.1	3.1	3.1	-79.03	38.8	-200.2	203.9	197.8	6.15	33.184	
1,175.0	1,175.0	1,174.1	1,174.1	3.2	3.2	-79.03	38.8	-200.2	203.9	197.7	6.21	32.832	
1,200.0	1,200.0	1,199.1	1,199.1	3.2	3.2	-79.03	38.8	-200.2	203.9	197.6	6.28	32.488	
1,225.0	1,225.0	1,224.1	1,224.1	3.2	3.2	-79.03	38.8	-200.2	203.9	197.6	6.34	32.165	
1,250.0	1,250.0	1,249.1	1,249.1	3.3	3.3	-79.03	38.8	-200.2	203.9	197.5	6.40	31.849	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	1,274.1	1,274.1	3.3	3.3	-79.03	38.8	-200.2	203.9	197.5	6.47	31.538	
1,300.0	1,300.0	1,299.1	1,299.1	3.4	3.4	-79.03	38.8	-200.2	203.9	197.4	6.53	31.234	
1,325.0	1,325.0	1,324.1	1,324.1	3.4	3.4	-79.03	38.8	-200.2	203.9	197.3	6.59	30.947	
1,350.0	1,350.0	1,349.1	1,349.1	3.4	3.4	-79.03	38.8	-200.2	203.9	197.3	6.65	30.665	
1,375.0	1,375.0	1,374.1	1,374.1	3.5	3.5	-79.03	38.8	-200.2	203.9	197.2	6.71	30.388	
1,400.0	1,400.0	1,399.1	1,399.1	3.5	3.5	-79.03	38.8	-200.2	203.9	197.2	6.77	30.116	
1,425.0	1,425.0	1,424.1	1,424.1	3.6	3.6	-79.03	38.8	-200.2	203.9	197.1	6.83	29.859	
1,450.0	1,450.0	1,449.1	1,449.1	3.6	3.6	-79.03	38.8	-200.2	203.9	197.0	6.89	29.606	
1,475.0	1,475.0	1,474.1	1,474.1	3.6	3.6	-79.03	38.8	-200.2	203.9	197.0	6.95	29.357	
1,500.0	1,500.0	1,499.1	1,499.1	3.7	3.7	-79.03	38.8	-200.2	203.9	196.9	7.00	29.112	
1,525.0	1,525.0	1,524.1	1,524.1	3.7	3.7	-79.03	38.8	-200.2	203.9	196.9	7.06	28.880	
1,550.0	1,550.0	1,549.1	1,549.1	3.8	3.8	-79.03	38.8	-200.2	203.9	196.8	7.12	28.651	
1,575.0	1,575.0	1,574.1	1,574.1	3.8	3.8	-79.03	38.8	-200.2	203.9	196.8	7.17	28.425	
1,600.0	1,600.0	1,599.1	1,599.1	3.8	3.8	-79.03	38.8	-200.2	203.9	196.7	7.23	28.204	
1,625.0	1,625.0	1,624.1	1,624.1	3.9	3.9	-79.03	38.8	-200.2	203.9	196.6	7.29	27.992	
1,650.0	1,650.0	1,649.1	1,649.1	3.9	3.9	-79.03	38.8	-200.2	203.9	196.6	7.34	27.783	
1,675.0	1,675.0	1,674.1	1,674.1	3.9	3.9	-79.03	38.8	-200.2	203.9	196.5	7.39	27.578	
1,700.0	1,700.0	1,699.1	1,699.1	4.0	4.0	-79.03	38.8	-200.2	203.9	196.5	7.45	27.376	
1,725.0	1,725.0	1,724.1	1,724.1	4.0	4.0	-79.03	38.8	-200.2	203.9	196.4	7.50	27.182	
1,750.0	1,750.0	1,749.1	1,749.1	4.1	4.1	-79.03	38.8	-200.2	203.9	196.4	7.56	26.991	
1,775.0	1,775.0	1,774.1	1,774.1	4.1	4.1	-79.03	38.8	-200.2	203.9	196.3	7.61	26.803	
1,800.0	1,800.0	1,799.1	1,799.1	4.1	4.1	-79.03	38.8	-200.2	203.9	196.3	7.66	26.617	
1,825.0	1,825.0	1,824.1	1,824.1	4.2	4.2	-79.03	38.8	-200.2	203.9	196.2	7.71	26.439	
1,850.0	1,850.0	1,849.1	1,849.1	4.2	4.2	-79.03	38.8	-200.2	203.9	196.2	7.76	26.264	
1,875.0	1,875.0	1,874.1	1,874.1	4.2	4.2	-79.03	38.8	-200.2	203.9	196.1	7.82	26.090	
1,900.0	1,900.0	1,899.1	1,899.1	4.3	4.3	-79.03	38.8	-200.2	203.9	196.1	7.87	25.919	
1,925.0	1,925.0	1,924.1	1,924.1	4.3	4.3	-79.03	38.8	-200.2	203.9	196.0	7.92	25.755	
1,950.0	1,950.0	1,949.1	1,949.1	4.3	4.3	-79.03	38.8	-200.2	203.9	196.0	7.97	25.592	
1,975.0	1,975.0	1,974.1	1,974.1	4.4	4.4	-79.03	38.8	-200.2	203.9	195.9	8.02	25.432	
2,000.0	2,000.0	1,999.1	1,999.1	4.4	4.4	-79.03	38.8	-200.2	203.9	195.9	8.07	25.273	
2,025.0	2,025.0	2,022.6	2,022.6	4.4	4.4	-1.20	38.9	-200.3	203.9	195.7	8.16	24.975	
2,050.0	2,050.0	2,046.1	2,046.1	4.5	4.5	-1.17	39.0	-200.5	203.8	195.6	8.26	24.667	
2,075.0	2,075.0	2,069.6	2,069.6	4.5	4.5	-1.11	39.3	-200.9	203.8	195.4	8.37	24.354	
2,100.0	2,100.0	2,093.1	2,093.0	4.5	4.6	-1.04	39.7	-201.4	203.6	195.2	8.47	24.035	
2,125.0	2,125.0	2,116.5	2,116.5	4.6	4.6	-0.95	40.2	-202.1	203.5	194.9	8.61	23.626	
2,150.0	2,149.9	2,140.0	2,140.0	4.6	4.7	-0.83	40.8	-203.0	203.3	194.6	8.76	23.212	
2,175.0	2,174.9	2,163.5	2,163.4	4.7	4.7	-0.69	41.5	-204.0	203.1	194.2	8.91	22.808	
2,200.0	2,199.8	2,187.0	2,186.8	4.7	4.8	-0.53	42.3	-205.2	202.9	193.8	9.05	22.411	
2,225.0	2,224.8	2,210.4	2,210.2	4.7	4.8	-0.35	43.3	-206.5	202.6	193.4	9.20	22.016	
2,250.0	2,249.7	2,233.9	2,233.6	4.8	4.9	-0.15	44.3	-208.0	202.3	193.0	9.35	21.629	
2,275.0	2,274.6	2,257.4	2,257.0	4.8	4.9	0.07	45.5	-209.6	202.0	192.5	9.51	21.250	
2,300.0	2,299.5	2,280.8	2,280.4	4.9	5.0	0.32	46.8	-211.4	201.6	192.0	9.66	20.879	
2,325.0	2,324.3	2,304.3	2,303.7	4.9	5.0	0.59	48.2	-213.4	201.3	191.5	9.82	20.506	
2,350.0	2,349.1	2,327.7	2,327.0	5.0	5.1	0.88	49.6	-215.5	200.9	190.9	9.98	20.137	
2,375.0	2,373.9	2,351.2	2,350.3	5.1	5.2	1.20	51.3	-217.7	200.5	190.3	10.13	19.780	
2,400.0	2,398.7	2,374.6	2,373.5	5.1	5.2	1.53	53.0	-220.1	200.0	189.7	10.29	19.430	
2,425.0	2,423.4	2,400.1	2,398.8	5.2	5.3	1.93	55.0	-222.9	199.6	189.1	10.47	19.058	
2,450.0	2,448.2	2,422.9	2,421.3	5.3	5.4	2.29	56.8	-225.5	199.0	188.4	10.62	18.743	
2,475.0	2,472.8	2,447.8	2,446.0	5.4	5.4	2.70	58.8	-228.4	198.2	187.5	10.78	18.397	
2,500.0	2,497.5	2,472.8	2,470.7	5.5	5.5	3.11	60.8	-231.2	197.3	186.3	10.94	18.040	
2,525.0	2,522.1	2,497.7	2,495.4	5.5	5.5	3.53	62.8	-234.0	196.1	185.0	11.08	17.706	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,550.0	2,546.6	2,522.6	2,520.1	5.6	5.6	3.96	64.8	-236.8	194.7	183.5	11.22	17.356	
2,575.0	2,571.1	2,547.5	2,544.8	5.7	5.7	4.40	66.8	-239.7	193.1	181.8	11.36	16.995	
2,600.0	2,595.6	2,572.4	2,569.4	5.7	5.7	4.86	68.9	-242.5	191.4	179.9	11.49	16.662	
2,625.0	2,620.1	2,597.3	2,594.1	5.8	5.8	5.31	70.9	-245.3	189.8	178.1	11.64	16.296	
2,650.0	2,644.6	2,622.2	2,618.7	5.9	5.9	5.78	72.9	-248.1	188.1	176.3	11.80	15.936	
2,675.0	2,669.1	2,647.1	2,643.4	5.9	5.9	6.25	74.9	-251.0	186.4	174.5	11.96	15.586	
2,700.0	2,693.6	2,672.0	2,668.0	6.0	6.0	6.74	76.9	-253.8	184.8	172.7	12.12	15.245	
2,725.0	2,718.1	2,696.9	2,692.7	6.1	6.1	7.23	78.9	-256.6	183.2	170.9	12.28	14.911	
2,750.0	2,742.6	2,721.8	2,717.4	6.2	6.2	7.73	80.9	-259.4	181.6	169.1	12.45	14.584	
2,775.0	2,767.1	2,746.7	2,742.0	6.3	6.2	8.24	82.9	-262.3	180.0	167.4	12.62	14.266	
2,800.0	2,791.6	2,771.6	2,766.7	6.4	6.3	8.76	84.9	-265.1	178.4	165.6	12.78	13.957	
2,825.0	2,816.1	2,796.5	2,791.3	6.4	6.4	9.28	86.9	-267.9	176.8	163.9	12.95	13.653	
2,850.0	2,840.6	2,821.4	2,816.0	6.5	6.5	9.82	88.9	-270.7	175.3	162.1	13.12	13.355	
2,875.0	2,865.1	2,846.3	2,840.6	6.6	6.5	10.37	90.9	-273.6	173.7	160.4	13.30	13.066	
2,900.0	2,889.6	2,871.2	2,865.3	6.7	6.6	10.92	92.9	-276.4	172.2	158.7	13.47	12.786	
2,925.0	2,914.1	2,896.1	2,889.9	6.8	6.7	11.49	95.0	-279.2	170.7	157.1	13.64	12.511	
2,950.0	2,938.6	2,921.0	2,914.6	6.9	6.8	12.06	97.0	-282.0	169.2	155.4	13.82	12.243	
2,975.0	2,963.1	2,945.9	2,939.2	7.0	6.9	12.65	99.0	-284.9	167.7	153.7	14.00	11.983	
3,000.0	2,987.6	2,970.8	2,963.9	7.1	6.9	13.24	101.0	-287.7	166.3	152.1	14.18	11.731	
3,025.0	3,012.1	2,995.7	2,988.6	7.2	7.0	13.85	103.0	-290.5	164.9	150.5	14.36	11.485	
3,050.0	3,036.6	3,020.6	3,013.2	7.2	7.1	14.47	105.0	-293.3	163.4	148.9	14.54	11.245	
3,075.0	3,061.1	3,045.5	3,037.9	7.3	7.2	15.09	107.0	-296.2	162.1	147.3	14.72	11.012	
3,100.0	3,085.6	3,070.3	3,062.5	7.4	7.3	15.73	109.0	-299.0	160.7	145.8	14.90	10.787	
3,125.0	3,110.1	3,095.2	3,087.2	7.5	7.4	16.38	111.0	-301.8	159.3	144.2	15.08	10.567	
3,150.0	3,134.6	3,120.1	3,111.8	7.6	7.4	17.04	113.0	-304.6	158.0	142.7	15.26	10.354	
3,175.0	3,159.1	3,145.0	3,136.5	7.7	7.5	17.71	115.0	-307.5	156.7	141.2	15.44	10.148	
3,200.0	3,183.6	3,169.9	3,161.1	7.8	7.6	18.39	117.0	-310.3	155.4	139.8	15.62	9.948	
3,225.0	3,208.1	3,194.8	3,185.8	7.9	7.7	19.09	119.0	-313.1	154.1	138.3	15.80	9.754	
3,250.0	3,232.6	3,219.9	3,210.6	8.0	7.8	19.80	121.1	-316.0	152.9	136.9	15.97	9.570	
3,275.0	3,257.1	3,245.5	3,236.0	8.1	7.9	20.53	123.1	-318.8	151.6	135.4	16.16	9.379	
3,300.0	3,281.6	3,271.1	3,261.3	8.2	8.0	21.28	125.0	-321.5	150.2	133.8	16.34	9.187	
3,325.0	3,306.1	3,296.6	3,286.7	8.3	8.1	22.04	126.9	-324.2	148.7	132.1	16.53	8.995	
3,350.0	3,330.6	3,322.1	3,312.0	8.4	8.2	22.81	128.7	-326.7	147.1	130.4	16.71	8.806	
3,375.0	3,355.1	3,347.7	3,337.3	8.5	8.3	23.60	130.5	-329.2	145.5	128.6	16.88	8.617	
3,400.0	3,379.6	3,373.2	3,362.7	8.6	8.4	24.41	132.1	-331.5	143.7	126.7	17.05	8.429	
3,425.0	3,404.1	3,398.6	3,388.0	8.7	8.4	25.24	133.7	-333.8	141.9	124.7	17.22	8.241	
3,450.0	3,428.6	3,424.1	3,413.3	8.8	8.5	26.10	135.3	-336.0	140.0	122.6	17.38	8.054	
3,475.0	3,453.1	3,449.6	3,438.7	8.9	8.6	26.98	136.8	-338.1	138.0	120.5	17.54	7.867	
3,500.0	3,477.6	3,475.0	3,464.0	9.0	8.7	27.89	138.2	-340.0	136.0	118.3	17.70	7.681	
3,525.0	3,502.1	3,500.4	3,489.3	9.1	8.8	28.83	139.5	-341.9	133.8	116.0	17.85	7.496	
3,550.0	3,526.6	3,525.8	3,514.6	9.2	8.9	29.80	140.8	-343.7	131.6	113.6	18.00	7.313	
3,575.0	3,551.1	3,551.2	3,539.9	9.3	9.0	30.82	142.0	-345.4	129.3	111.2	18.14	7.130	
3,600.0	3,575.6	3,576.5	3,565.1	9.4	9.1	31.88	143.2	-347.1	127.0	108.7	18.27	6.949	
3,625.0	3,600.1	3,601.8	3,590.4	9.5	9.1	32.99	144.3	-348.6	124.6	106.2	18.40	6.770	
3,650.0	3,624.6	3,627.1	3,615.6	9.6	9.2	34.15	145.3	-350.0	122.1	103.6	18.52	6.593	
3,675.0	3,649.1	3,652.4	3,640.8	9.8	9.3	35.36	146.2	-351.4	119.6	100.9	18.63	6.419	
3,700.0	3,673.6	3,677.6	3,666.0	9.9	9.4	36.64	147.1	-352.6	117.0	98.3	18.73	6.246	
3,725.0	3,698.1	3,702.8	3,691.2	10.0	9.5	38.00	147.9	-353.8	114.4	95.5	18.82	6.077	
3,750.0	3,722.6	3,728.0	3,716.3	10.1	9.6	39.42	148.7	-354.8	111.7	92.8	18.89	5.911	
3,775.0	3,747.1	3,753.2	3,741.4	10.2	9.6	40.94	149.4	-355.8	109.0	90.0	18.96	5.750	
3,800.0	3,771.6	3,778.3	3,766.5	10.3	9.7	42.54	150.0	-356.7	106.3	87.3	19.00	5.592	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,825.0	3,796.1	3,803.4	3,791.6	10.4	9.8	44.25	150.6	-357.5	103.5	84.5	19.03	5.439	
3,850.0	3,820.6	3,828.4	3,816.7	10.5	9.9	46.08	151.1	-358.2	100.8	81.7	19.04	5.293	
3,875.0	3,845.1	3,853.5	3,841.7	10.6	9.9	48.02	151.5	-358.8	98.0	79.0	19.02	5.153	
3,900.0	3,869.5	3,878.4	3,866.6	10.7	10.0	50.11	151.9	-359.3	95.3	76.3	18.98	5.020	
3,925.0	3,894.0	3,903.4	3,891.6	10.8	10.1	52.34	152.2	-359.7	92.6	73.7	18.92	4.895	
3,950.0	3,918.5	3,928.3	3,916.5	10.9	10.1	54.73	152.4	-360.1	90.0	71.2	18.82	4.782	
3,975.0	3,943.0	3,953.2	3,941.4	11.0	10.2	57.29	152.6	-360.3	87.4	68.7	18.69	4.679	
4,000.0	3,967.5	3,978.0	3,966.2	11.1	10.2	60.04	152.7	-360.5	85.0	66.4	18.52	4.587	
4,025.0	3,992.0	4,002.8	3,991.0	11.2	10.3	62.98	152.8	-360.6	82.6	64.3	18.33	4.508	
4,050.0	4,016.5	4,027.4	4,015.6	11.4	10.3	66.10	152.8	-360.6	80.5	62.4	18.09	4.448	
4,075.0	4,041.0	4,051.9	4,040.1	11.5	10.3	69.37	152.8	-360.6	78.5	60.7	17.83	4.404	
4,100.0	4,065.5	4,076.4	4,064.6	11.6	10.4	72.79	152.8	-360.6	76.9	59.3	17.57	4.376	
4,125.0	4,090.0	4,100.9	4,089.1	11.7	10.4	76.33	152.8	-360.6	75.5	58.2	17.31	4.364 SF	
4,150.0	4,114.5	4,125.4	4,113.6	11.8	10.4	79.99	152.8	-360.6	74.5	57.4	17.06	4.368	
4,175.0	4,139.0	4,149.9	4,138.1	11.9	10.4	83.73	152.8	-360.6	73.8	56.9	16.83	4.383	
4,200.0	4,163.5	4,174.4	4,162.6	12.0	10.4	87.52	152.8	-360.6	73.4	56.7	16.65	4.409 ES	
4,216.3	4,179.5	4,190.4	4,178.6	12.1	10.5	90.00	152.8	-360.6	73.3	56.8	16.55	4.429 CC	
4,225.0	4,188.0	4,198.9	4,187.1	12.1	10.5	91.33	152.8	-360.6	73.3	56.8	16.52	4.440	
4,250.0	4,212.5	4,223.4	4,211.6	12.2	10.5	95.14	152.8	-360.6	73.6	57.2	16.45	4.476	
4,275.0	4,237.0	4,247.9	4,236.1	12.3	10.5	98.90	152.8	-360.6	74.2	57.8	16.45	4.512	
4,300.0	4,261.5	4,272.4	4,260.6	12.4	10.5	102.58	152.8	-360.6	75.2	58.7	16.53	4.548	
4,325.0	4,286.0	4,296.9	4,285.1	12.6	10.5	106.16	152.8	-360.6	76.5	59.8	16.68	4.584	
4,350.0	4,310.5	4,321.4	4,309.6	12.7	10.6	109.62	152.8	-360.6	78.0	61.1	16.88	4.620	
4,375.0	4,335.0	4,345.9	4,334.1	12.8	10.6	112.93	152.8	-360.6	79.9	62.7	17.14	4.658	
4,400.0	4,359.5	4,370.4	4,358.6	12.9	10.6	116.09	152.8	-360.6	82.0	64.5	17.45	4.698	
4,425.0	4,384.0	4,394.9	4,383.1	13.0	10.6	119.08	152.8	-360.6	84.3	66.5	17.78	4.742	
4,450.0	4,408.5	4,419.4	4,407.6	13.1	10.6	121.92	152.8	-360.6	86.9	68.7	18.13	4.791	
4,475.0	4,433.0	4,443.9	4,432.1	13.2	10.7	124.59	152.8	-360.6	89.6	71.1	18.50	4.846	
4,500.0	4,457.5	4,468.4	4,456.6	13.3	10.7	127.09	152.8	-360.6	92.6	73.7	18.87	4.907	
4,525.0	4,482.0	4,492.9	4,481.1	13.4	10.7	129.44	152.8	-360.6	95.7	76.5	19.24	4.975	
4,550.0	4,506.5	4,517.4	4,505.6	13.6	10.7	131.65	152.8	-360.6	99.0	79.4	19.61	5.048	
4,575.0	4,531.0	4,541.9	4,530.1	13.7	10.7	133.71	152.8	-360.6	102.4	82.4	19.97	5.128	
4,600.0	4,555.5	4,566.4	4,554.6	13.8	10.8	135.64	152.8	-360.6	106.0	85.6	20.33	5.213	
4,625.0	4,580.0	4,590.9	4,579.1	13.9	10.8	137.44	152.8	-360.6	109.6	88.9	20.67	5.303	
4,650.0	4,604.5	4,615.4	4,603.6	14.0	10.8	139.13	152.8	-360.6	113.4	92.4	21.01	5.397	
4,675.0	4,629.0	4,639.9	4,628.1	14.1	10.8	140.72	152.8	-360.6	117.2	95.9	21.33	5.496	
4,700.0	4,653.5	4,664.4	4,652.6	14.2	10.8	142.20	152.8	-360.6	121.1	99.5	21.64	5.598	
4,725.0	4,678.0	4,688.9	4,677.1	14.3	10.9	143.59	152.8	-360.6	125.1	103.2	21.94	5.703	
4,750.0	4,702.5	4,713.4	4,701.6	14.5	10.9	144.89	152.8	-360.6	129.2	107.0	22.24	5.811	
4,775.0	4,727.0	4,737.9	4,726.1	14.6	10.9	146.11	152.8	-360.6	133.4	110.8	22.52	5.921	
4,800.0	4,751.5	4,762.4	4,750.6	14.7	10.9	147.26	152.8	-360.6	137.5	114.7	22.80	6.033	
4,825.0	4,776.0	4,786.9	4,775.1	14.8	10.9	148.35	152.8	-360.6	141.8	118.7	23.07	6.147	
4,850.0	4,800.5	4,811.4	4,799.6	14.9	10.9	149.37	152.8	-360.6	146.1	122.7	23.33	6.262	
4,875.0	4,825.0	4,835.9	4,824.1	15.0	11.0	150.33	152.8	-360.6	150.4	126.8	23.58	6.379	
4,900.0	4,849.5	4,860.4	4,848.6	15.1	11.0	151.24	152.8	-360.6	154.8	131.0	23.82	6.497	
4,925.0	4,874.0	4,884.9	4,873.1	15.2	11.0	152.10	152.8	-360.6	159.2	135.1	24.06	6.615	
4,950.0	4,898.5	4,909.4	4,897.6	15.4	11.0	152.91	152.8	-360.6	163.6	139.3	24.30	6.734	
4,975.0	4,923.0	4,933.9	4,922.1	15.5	11.0	153.68	152.8	-360.6	168.1	143.6	24.53	6.853	
5,000.0	4,947.5	4,958.4	4,946.6	15.6	11.1	154.41	152.8	-360.6	172.6	147.8	24.75	6.973	
5,025.0	4,972.0	4,982.9	4,971.1	15.7	11.1	155.11	152.8	-360.6	177.1	152.1	24.97	7.092	
5,050.0	4,996.5	5,007.4	4,995.6	15.8	11.1	155.77	152.8	-360.6	181.7	156.5	25.19	7.212	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,021.0	5,031.9	5,020.1	15.9	11.1	156.39	152.8	-360.6	186.2	160.8	25.40	7.332	
5,100.0	5,045.5	5,056.4	5,044.6	16.0	11.1	156.99	152.8	-360.6	190.8	165.2	25.61	7.451	
5,125.0	5,070.0	5,080.9	5,069.1	16.1	11.2	157.56	152.8	-360.6	195.4	169.6	25.82	7.570	
5,150.0	5,094.5	5,105.4	5,093.6	16.3	11.2	158.10	152.8	-360.6	200.1	174.0	26.02	7.689	
5,175.0	5,119.0	5,129.9	5,118.1	16.4	11.2	158.62	152.8	-360.6	204.7	178.5	26.22	7.808	
5,200.0	5,143.5	5,154.4	5,142.6	16.5	11.2	159.12	152.8	-360.6	209.4	183.0	26.42	7.926	
5,225.0	5,168.0	5,178.9	5,167.1	16.6	11.2	159.59	152.8	-360.6	214.0	187.4	26.61	8.043	
5,250.0	5,192.4	5,203.4	5,191.5	16.7	11.3	160.05	152.8	-360.6	218.7	191.9	26.80	8.161	
5,275.0	5,216.9	5,227.9	5,216.0	16.8	11.3	160.48	152.8	-360.6	223.4	196.4	27.00	8.277	
5,300.0	5,241.4	5,252.4	5,240.5	16.9	11.3	160.90	152.8	-360.6	228.2	201.0	27.18	8.393	
5,325.0	5,265.9	5,276.9	5,265.0	17.1	11.3	161.30	152.8	-360.6	232.9	205.5	27.37	8.508	
5,350.0	5,290.4	5,301.4	5,289.5	17.2	11.3	161.69	152.8	-360.6	237.6	210.1	27.56	8.623	
5,375.0	5,314.9	5,325.8	5,314.0	17.3	11.4	162.05	152.8	-360.6	242.4	214.6	27.74	8.737	
5,400.0	5,339.4	5,350.3	5,338.5	17.4	11.4	162.41	152.8	-360.6	247.1	219.2	27.92	8.850	
5,425.0	5,363.9	5,374.8	5,363.0	17.5	11.4	162.75	152.8	-360.6	251.9	223.8	28.10	8.962	
5,450.0	5,388.4	5,399.3	5,387.5	17.6	11.4	163.08	152.8	-360.6	256.7	228.4	28.28	9.074	
5,475.0	5,412.9	5,423.8	5,412.0	17.7	11.4	163.40	152.8	-360.6	261.4	233.0	28.46	9.185	
5,498.0	5,435.5	5,446.4	5,434.6	17.8	11.4	163.68	152.8	-360.6	265.8	237.2	28.63	9.287	
5,500.0	5,437.4	5,448.3	5,436.5	17.8	11.4	163.71	152.8	-360.6	266.2	237.6	28.64	9.296	
5,525.0	5,461.9	5,472.9	5,461.0	18.0	11.5	164.02	152.8	-360.6	270.9	242.1	28.86	9.388	
5,550.0	5,486.5	5,497.4	5,485.6	18.1	11.5	164.31	152.8	-360.6	275.5	246.4	29.08	9.474	
5,575.0	5,511.1	5,522.0	5,510.2	18.3	11.5	164.58	152.8	-360.6	279.9	250.6	29.29	9.554	
5,600.0	5,535.7	5,546.6	5,534.8	18.4	11.5	164.83	152.8	-360.6	284.1	254.6	29.51	9.629	
5,625.0	5,560.3	5,571.2	5,559.4	18.6	11.5	165.07	152.8	-360.6	288.3	258.6	29.68	9.714	
5,650.0	5,585.0	5,595.9	5,584.1	18.7	11.6	165.29	152.8	-360.6	292.2	262.4	29.84	9.792	
5,675.0	5,609.7	5,620.6	5,608.8	18.8	11.6	165.49	152.8	-360.6	296.0	266.0	30.00	9.866	
5,700.0	5,634.4	5,645.3	5,633.5	18.9	11.6	165.69	152.8	-360.6	299.7	269.5	30.17	9.934	
5,725.0	5,659.1	5,670.0	5,658.2	19.0	11.6	165.87	152.8	-360.6	303.1	272.8	30.32	9.997	
5,750.0	5,683.9	5,694.8	5,683.0	19.1	11.6	166.04	152.8	-360.6	306.5	276.0	30.48	10.056	
5,775.0	5,708.7	5,719.6	5,707.8	19.2	11.7	166.20	152.8	-360.6	309.7	279.0	30.63	10.109	
5,800.0	5,733.5	5,744.4	5,732.6	19.3	11.7	166.34	152.8	-360.6	312.7	281.9	30.79	10.157	
5,825.0	5,758.3	5,769.2	5,757.4	19.4	11.7	166.48	152.8	-360.6	315.6	284.6	30.94	10.201	
5,850.0	5,783.1	5,794.1	5,782.2	19.5	11.7	166.61	152.8	-360.6	318.3	287.2	31.08	10.240	
5,875.0	5,808.0	5,818.9	5,807.1	19.6	11.7	166.72	152.8	-360.6	320.8	289.6	31.23	10.274	
5,900.0	5,832.9	5,843.8	5,832.0	19.7	11.8	166.83	152.8	-360.6	323.2	291.9	31.37	10.303	
5,925.0	5,857.8	5,868.7	5,856.9	19.8	11.8	166.93	152.8	-360.6	325.5	294.0	31.51	10.329	
5,950.0	5,882.7	5,893.6	5,881.8	19.9	11.8	167.02	152.8	-360.6	327.6	295.9	31.65	10.350	
5,975.0	5,907.6	5,918.5	5,906.7	20.0	11.8	167.11	152.8	-360.6	329.5	297.7	31.79	10.366	
6,000.0	5,932.5	5,943.5	5,931.6	20.1	11.8	167.18	152.8	-360.6	331.3	299.3	31.92	10.377	
6,025.0	5,957.5	5,968.4	5,956.6	20.2	11.9	167.25	152.8	-360.6	332.9	300.8	32.05	10.387	
6,050.0	5,982.4	5,993.4	5,981.5	20.3	11.9	167.31	152.8	-360.6	334.3	302.1	32.17	10.391	
6,075.0	6,007.4	6,018.3	6,006.5	20.4	11.9	167.37	152.8	-360.6	335.6	303.3	32.30	10.391	
6,100.0	6,032.4	6,043.3	6,031.5	20.5	11.9	167.41	152.8	-360.6	336.7	304.3	32.42	10.386	
6,125.0	6,057.4	6,068.3	6,056.5	20.5	11.9	167.45	152.8	-360.6	337.7	305.2	32.53	10.381	
6,150.0	6,082.4	6,093.3	6,081.5	20.6	12.0	167.49	152.8	-360.6	338.5	305.9	32.64	10.371	
6,175.0	6,107.3	6,118.3	6,106.4	20.7	12.0	167.51	152.8	-360.6	339.2	306.4	32.75	10.357	
6,200.0	6,132.3	6,143.2	6,131.4	20.8	12.0	167.53	152.8	-360.6	339.7	306.8	32.86	10.338	
6,225.0	6,157.3	6,168.2	6,156.4	20.8	12.0	167.55	152.8	-360.6	340.0	307.1	32.91	10.330	
6,250.0	6,182.3	6,193.2	6,181.4	20.8	12.0	167.55	152.8	-360.6	340.2	307.2	32.97	10.318	
6,264.7	6,197.0	6,207.9	6,196.1	20.9	12.0	89.73	152.8	-360.6	340.2	307.2	33.00	10.309	
6,275.0	6,207.3	6,218.2	6,206.4	20.9	12.1	89.73	152.8	-360.6	340.2	307.2	33.01	10.306	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,300.0	6,232.3	6,243.2	6,231.4	20.9	12.1	89.73	152.8	-360.6	340.2	307.2	33.03	10.301	
6,325.0	6,257.3	6,268.2	6,256.4	20.9	12.1	89.73	152.8	-360.6	340.2	307.2	33.05	10.293	
6,350.0	6,282.3	6,293.2	6,281.4	20.9	12.1	89.73	152.8	-360.6	340.2	307.1	33.08	10.285	
6,375.0	6,307.3	6,318.2	6,306.4	20.9	12.1	89.73	152.8	-360.6	340.2	307.1	33.11	10.276	
6,400.0	6,332.3	6,343.2	6,331.4	20.9	12.2	89.73	152.8	-360.6	340.2	307.1	33.13	10.268	
6,425.0	6,357.3	6,368.2	6,356.4	20.9	12.2	89.73	152.8	-360.6	340.2	307.0	33.16	10.260	
6,450.0	6,382.3	6,393.2	6,381.4	20.9	12.2	89.73	152.8	-360.6	340.2	307.0	33.18	10.252	
6,475.0	6,407.3	6,418.2	6,406.4	20.9	12.2	89.73	152.8	-360.6	340.2	307.0	33.21	10.244	
6,500.0	6,432.3	6,443.2	6,431.4	20.9	12.2	89.73	152.8	-360.6	340.2	307.0	33.24	10.236	
6,525.0	6,457.3	6,468.2	6,456.4	21.0	12.3	89.73	152.8	-360.6	340.2	306.9	33.26	10.228	
6,550.0	6,482.3	6,493.2	6,481.4	21.0	12.3	89.73	152.8	-360.6	340.2	306.9	33.29	10.220	
6,575.0	6,507.3	6,518.2	6,506.4	21.0	12.3	89.73	152.8	-360.6	340.2	306.9	33.31	10.212	
6,600.0	6,532.3	6,543.2	6,531.4	21.0	12.3	89.73	152.8	-360.6	340.2	306.9	33.34	10.204	
6,625.0	6,557.3	6,568.2	6,556.4	21.0	12.3	89.73	152.8	-360.6	340.2	306.8	33.37	10.196	
6,650.0	6,582.3	6,593.2	6,581.4	21.0	12.4	89.73	152.8	-360.6	340.2	306.8	33.39	10.188	
6,675.0	6,607.3	6,618.2	6,606.4	21.0	12.4	89.73	152.8	-360.6	340.2	306.8	33.42	10.180	
6,700.0	6,632.3	6,643.2	6,631.4	21.0	12.4	89.73	152.8	-360.6	340.2	306.8	33.45	10.172	
6,725.0	6,657.3	6,668.2	6,656.4	21.0	12.4	89.73	152.8	-360.6	340.2	306.7	33.47	10.164	
6,750.0	6,682.3	6,693.2	6,681.4	21.0	12.4	89.73	152.8	-360.6	340.2	306.7	33.50	10.156	
6,775.0	6,707.3	6,718.2	6,706.4	21.1	12.4	89.73	152.8	-360.6	340.2	306.7	33.53	10.148	
6,800.0	6,732.3	6,743.2	6,731.4	21.1	12.5	89.73	152.8	-360.6	340.2	306.7	33.55	10.140	
6,825.0	6,757.3	6,768.2	6,756.4	21.1	12.5	89.73	152.8	-360.6	340.2	306.6	33.58	10.132	
6,850.0	6,782.3	6,793.2	6,781.4	21.1	12.5	89.73	152.8	-360.6	340.2	306.6	33.60	10.124	
6,875.0	6,807.3	6,818.2	6,806.4	21.1	12.5	89.73	152.8	-360.6	340.2	306.6	33.63	10.116	
6,900.0	6,832.3	6,843.2	6,831.4	21.1	12.5	89.73	152.8	-360.6	340.2	306.5	33.66	10.108	
6,925.0	6,857.3	6,868.2	6,856.4	21.1	12.6	89.73	152.8	-360.6	340.2	306.5	33.68	10.100	
6,950.0	6,882.3	6,893.2	6,881.4	21.1	12.6	89.73	152.8	-360.6	340.2	306.5	33.71	10.092	
6,975.0	6,907.3	6,918.2	6,906.4	21.1	12.6	89.73	152.8	-360.6	340.2	306.5	33.74	10.084	
7,000.0	6,932.3	6,943.2	6,931.4	21.1	12.6	89.73	152.8	-360.6	340.2	306.4	33.76	10.076	
7,025.0	6,957.3	6,968.2	6,956.4	21.2	12.6	89.73	152.8	-360.6	340.2	306.4	33.79	10.068	
7,050.0	6,982.3	6,993.2	6,981.4	21.2	12.7	89.73	152.8	-360.6	340.2	306.4	33.82	10.060	
7,075.0	7,007.3	7,018.2	7,006.4	21.2	12.7	89.73	152.8	-360.6	340.2	306.4	33.85	10.052	
7,100.0	7,032.3	7,043.2	7,031.4	21.2	12.7	89.73	152.8	-360.6	340.2	306.3	33.87	10.044	
7,125.0	7,057.3	7,068.2	7,056.4	21.2	12.7	89.73	152.8	-360.6	340.2	306.3	33.90	10.036	
7,150.0	7,082.3	7,093.2	7,081.4	21.2	12.7	89.73	152.8	-360.6	340.2	306.3	33.93	10.028	
7,175.0	7,107.3	7,118.2	7,106.4	21.2	12.8	89.73	152.8	-360.6	340.2	306.3	33.95	10.020	
7,200.0	7,132.3	7,143.2	7,131.4	21.2	12.8	89.73	152.8	-360.6	340.2	306.2	33.98	10.012	
7,225.0	7,157.3	7,168.2	7,156.4	21.2	12.8	89.73	152.8	-360.6	340.2	306.2	34.01	10.004	
7,250.0	7,182.3	7,193.2	7,181.4	21.2	12.8	89.73	152.8	-360.6	340.2	306.2	34.03	9.996	
7,275.0	7,207.3	7,218.2	7,206.4	21.3	12.8	89.73	152.8	-360.6	340.2	306.1	34.06	9.988	
7,300.0	7,232.3	7,243.2	7,231.4	21.3	12.9	89.73	152.8	-360.6	340.2	306.1	34.09	9.980	
7,325.0	7,257.3	7,268.2	7,256.4	21.3	12.9	89.73	152.8	-360.6	340.2	306.1	34.11	9.972	
7,350.0	7,282.3	7,293.2	7,281.4	21.3	12.9	89.73	152.8	-360.6	340.2	306.1	34.14	9.964	
7,375.0	7,307.3	7,318.2	7,306.4	21.3	12.9	89.73	152.8	-360.6	340.2	306.0	34.17	9.957	
7,400.0	7,332.3	7,343.2	7,331.4	21.3	12.9	89.73	152.8	-360.6	340.2	306.0	34.20	9.949	
7,425.0	7,357.3	7,368.2	7,356.4	21.3	13.0	89.73	152.8	-360.6	340.2	306.0	34.22	9.941	
7,450.0	7,382.3	7,393.2	7,381.4	21.3	13.0	89.73	152.8	-360.6	340.2	306.0	34.25	9.933	
7,475.0	7,407.3	7,418.2	7,406.4	21.3	13.0	89.73	152.8	-360.6	340.2	305.9	34.28	9.925	
7,500.0	7,432.3	7,443.2	7,431.4	21.3	13.0	89.73	152.8	-360.6	340.2	305.9	34.30	9.917	
7,525.0	7,457.3	7,468.2	7,456.4	21.4	13.0	89.73	152.8	-360.6	340.2	305.9	34.33	9.909	
7,550.0	7,482.3	7,493.2	7,481.4	21.4	13.1	89.73	152.8	-360.6	340.2	305.8	34.36	9.901	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,575.0	7,507.3	7,518.2	7,506.4	21.4	13.1	89.73	152.8	-360.6	340.2	305.8	34.39	9.893	
7,600.0	7,532.3	7,543.2	7,531.4	21.4	13.1	89.73	152.8	-360.6	340.2	305.8	34.41	9.886	
7,625.0	7,557.3	7,568.2	7,556.4	21.4	13.1	89.73	152.8	-360.6	340.2	305.8	34.44	9.878	
7,650.0	7,582.3	7,593.2	7,581.4	21.4	13.1	89.73	152.8	-360.6	340.2	305.7	34.47	9.870	
7,675.0	7,607.3	7,618.2	7,606.4	21.4	13.2	89.73	152.8	-360.6	340.2	305.7	34.50	9.862	
7,700.0	7,632.3	7,643.2	7,631.4	21.4	13.2	89.73	152.8	-360.6	340.2	305.7	34.52	9.854	
7,725.0	7,657.3	7,668.2	7,656.4	21.4	13.2	89.73	152.8	-360.6	340.2	305.7	34.55	9.846	
7,750.0	7,682.3	7,693.2	7,681.4	21.4	13.2	89.73	152.8	-360.6	340.2	305.6	34.58	9.838	
7,775.0	7,707.3	7,718.2	7,706.4	21.5	13.2	89.73	152.8	-360.6	340.2	305.6	34.61	9.831	
7,800.0	7,732.3	7,743.2	7,731.4	21.5	13.3	89.73	152.8	-360.6	340.2	305.6	34.63	9.823	
7,825.0	7,757.3	7,768.2	7,756.4	21.5	13.3	89.73	152.8	-360.6	340.2	305.5	34.66	9.815	
7,850.0	7,782.3	7,793.2	7,781.4	21.5	13.3	89.73	152.8	-360.6	340.2	305.5	34.69	9.807	
7,875.0	7,807.3	7,818.2	7,806.4	21.5	13.3	89.73	152.8	-360.6	340.2	305.5	34.72	9.799	
7,900.0	7,832.3	7,843.2	7,831.4	21.5	13.3	89.73	152.8	-360.6	340.2	305.5	34.74	9.792	
7,925.0	7,857.3	7,868.2	7,856.4	21.5	13.4	89.73	152.8	-360.6	340.2	305.4	34.77	9.784	
7,950.0	7,882.3	7,893.2	7,881.4	21.5	13.4	89.73	152.8	-360.6	340.2	305.4	34.80	9.776	
7,975.0	7,907.3	7,918.2	7,906.4	21.5	13.4	89.73	152.8	-360.6	340.2	305.4	34.83	9.768	
8,000.0	7,932.3	7,943.2	7,931.4	21.6	13.4	89.73	152.8	-360.6	340.2	305.3	34.86	9.760	
8,025.0	7,957.3	7,968.2	7,956.4	21.6	13.4	89.73	152.8	-360.6	340.2	305.3	34.88	9.753	
8,050.0	7,982.3	7,993.2	7,981.4	21.6	13.5	89.73	152.8	-360.6	340.2	305.3	34.91	9.745	
8,075.0	8,007.3	8,018.2	8,006.4	21.6	13.5	89.73	152.8	-360.6	340.2	305.3	34.94	9.737	
8,100.0	8,032.3	8,043.2	8,031.4	21.6	13.5	89.73	152.8	-360.6	340.2	305.2	34.97	9.729	
8,125.0	8,057.3	8,068.2	8,056.4	21.6	13.5	89.73	152.8	-360.6	340.2	305.2	34.99	9.722	
8,150.0	8,082.3	8,093.2	8,081.4	21.6	13.5	89.73	152.8	-360.6	340.2	305.2	35.02	9.714	
8,175.0	8,107.3	8,118.2	8,106.4	21.6	13.6	89.73	152.8	-360.6	340.2	305.2	35.05	9.706	
8,200.0	8,132.3	8,143.2	8,131.4	21.6	13.6	89.73	152.8	-360.6	340.2	305.1	35.08	9.698	
8,225.0	8,157.3	8,168.2	8,156.4	21.6	13.6	89.73	152.8	-360.6	340.2	305.1	35.11	9.691	
8,250.0	8,182.3	8,193.2	8,181.4	21.7	13.6	89.73	152.8	-360.6	340.2	305.1	35.13	9.683	
8,275.0	8,207.3	8,218.2	8,206.4	21.7	13.6	89.73	152.8	-360.6	340.2	305.0	35.16	9.675	
8,300.0	8,232.3	8,243.2	8,231.4	21.7	13.7	89.73	152.8	-360.6	340.2	305.0	35.19	9.668	
8,325.0	8,257.3	8,268.2	8,256.4	21.7	13.7	89.73	152.8	-360.6	340.2	305.0	35.22	9.660	
8,350.0	8,282.3	8,293.2	8,281.4	21.7	13.7	89.73	152.8	-360.6	340.2	305.0	35.25	9.652	
8,375.0	8,307.3	8,318.2	8,306.4	21.7	13.7	89.73	152.8	-360.6	340.2	304.9	35.27	9.644	
8,400.0	8,332.3	8,343.2	8,331.4	21.7	13.7	89.73	152.8	-360.6	340.2	304.9	35.30	9.637	
8,425.0	8,357.3	8,368.2	8,356.4	21.7	13.8	89.73	152.8	-360.6	340.2	304.9	35.33	9.629	
8,450.0	8,382.3	8,393.2	8,381.4	21.7	13.8	89.73	152.8	-360.6	340.2	304.8	35.36	9.621	
8,475.0	8,407.3	8,418.2	8,406.4	21.8	13.8	89.73	152.8	-360.6	340.2	304.8	35.39	9.614	
8,500.0	8,432.3	8,443.2	8,431.4	21.8	13.8	89.73	152.8	-360.6	340.2	304.8	35.42	9.606	
8,525.0	8,457.3	8,468.2	8,456.4	21.8	13.8	89.73	152.8	-360.6	340.2	304.8	35.44	9.598	
8,550.0	8,482.3	8,493.2	8,481.4	21.8	13.9	89.73	152.8	-360.6	340.2	304.7	35.47	9.591	
8,575.0	8,507.3	8,518.2	8,506.4	21.8	13.9	89.73	152.8	-360.6	340.2	304.7	35.50	9.583	
8,600.0	8,532.3	8,543.2	8,531.4	21.8	13.9	89.73	152.8	-360.6	340.2	304.7	35.53	9.575	
8,625.0	8,557.3	8,568.2	8,556.4	21.8	13.9	89.73	152.8	-360.6	340.2	304.6	35.56	9.568	
8,650.0	8,582.3	8,593.2	8,581.4	21.8	13.9	89.73	152.8	-360.6	340.2	304.6	35.59	9.560	
8,675.0	8,607.3	8,618.2	8,606.4	21.8	14.0	89.73	152.8	-360.6	340.2	304.6	35.61	9.553	
8,700.0	8,632.3	8,643.2	8,631.4	21.9	14.0	89.73	152.8	-360.6	340.2	304.6	35.64	9.545	
8,725.0	8,657.3	8,668.2	8,656.4	21.9	14.0	89.73	152.8	-360.6	340.2	304.5	35.67	9.537	
8,750.0	8,682.3	8,693.2	8,681.4	21.9	14.0	89.73	152.8	-360.6	340.2	304.5	35.70	9.530	
8,775.0	8,707.3	8,718.2	8,706.4	21.9	14.0	89.73	152.8	-360.6	340.2	304.5	35.73	9.522	
8,800.0	8,732.3	8,743.2	8,731.4	21.9	14.1	89.73	152.8	-360.6	340.2	304.4	35.76	9.514	
8,825.0	8,757.3	8,768.2	8,756.4	21.9	14.1	89.73	152.8	-360.6	340.2	304.4	35.79	9.507	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
8,850.0	8,782.3	8,793.2	8,781.4	21.9	14.1	89.73	152.8	-360.6	340.2	304.4	35.81	9.499	
8,875.0	8,807.3	8,818.2	8,806.4	21.9	14.1	89.73	152.8	-360.6	340.2	304.4	35.84	9.492	
8,900.0	8,832.3	8,843.2	8,831.4	21.9	14.1	89.73	152.8	-360.6	340.2	304.3	35.87	9.484	
8,925.0	8,857.3	8,868.2	8,856.4	21.9	14.2	89.73	152.8	-360.6	340.2	304.3	35.90	9.477	
8,950.0	8,882.3	8,893.2	8,881.4	22.0	14.2	89.73	152.8	-360.6	340.2	304.3	35.93	9.469	
8,975.0	8,907.3	8,918.2	8,906.4	22.0	14.2	89.73	152.8	-360.6	340.2	304.2	35.96	9.461	
9,000.0	8,932.3	8,943.2	8,931.4	22.0	14.2	89.73	152.8	-360.6	340.2	304.2	35.99	9.454	
9,025.0	8,957.3	8,968.2	8,956.4	22.0	14.2	89.73	152.8	-360.6	340.2	304.2	36.01	9.446	
9,050.0	8,982.3	8,993.2	8,981.4	22.0	14.3	89.73	152.8	-360.6	340.2	304.2	36.04	9.439	
9,075.0	9,007.3	9,018.2	9,006.4	22.0	14.3	89.73	152.8	-360.6	340.2	304.1	36.07	9.431	
9,100.0	9,032.3	9,043.2	9,031.4	22.0	14.3	89.73	152.8	-360.6	340.2	304.1	36.10	9.424	
9,125.0	9,057.3	9,068.2	9,056.4	22.0	14.3	89.73	152.8	-360.6	340.2	304.1	36.12	9.418	
9,150.0	9,082.3	9,093.2	9,081.4	22.0	14.3	89.73	152.8	-360.6	340.2	304.1	36.15	9.412	
9,161.2	9,093.6	9,104.5	9,092.7	22.0	14.3	89.73	152.8	-360.6	340.2	304.0	36.16	9.410	
9,175.0	9,107.3	9,118.2	9,106.4	22.0	14.4	89.83	152.8	-360.6	340.2	304.0	36.17	9.406	
9,195.1	9,127.4	9,138.4	9,126.5	22.0	14.4	90.00	152.8	-360.6	340.2	304.0	36.20	9.398	
9,200.0	9,132.3	9,143.2	9,131.4	22.0	14.4	90.06	152.8	-360.6	340.2	304.0	36.21	9.396	
9,225.0	9,157.1	9,168.1	9,156.2	22.0	14.4	90.51	152.8	-360.6	340.2	304.0	36.26	9.382	
9,250.0	9,181.8	9,192.7	9,180.9	22.0	14.4	91.16	152.8	-360.6	340.3	303.9	36.34	9.364	
9,275.0	9,206.3	9,217.2	9,205.4	22.1	14.4	92.01	152.8	-360.6	340.4	304.0	36.42	9.346	
9,300.0	9,230.4	9,241.3	9,229.5	22.1	14.5	93.03	152.8	-360.6	340.7	304.2	36.52	9.329	
9,325.0	9,254.1	9,265.0	9,253.2	22.1	14.5	94.21	152.8	-360.6	341.2	304.6	36.63	9.316	
9,350.0	9,277.5	9,288.4	9,276.6	22.1	14.5	95.52	152.8	-360.6	342.1	305.3	36.74	9.310	
9,375.0	9,300.3	9,311.2	9,299.4	22.1	14.5	96.93	152.8	-360.6	343.3	306.4	36.85	9.316	
9,400.0	9,322.5	9,333.4	9,321.6	22.1	14.5	98.40	152.8	-360.6	345.0	308.0	36.95	9.337	
9,425.0	9,344.1	9,355.0	9,343.2	22.1	14.5	99.91	152.8	-360.6	347.3	310.3	37.03	9.378	
9,450.0	9,365.0	9,376.0	9,364.1	22.1	14.6	101.41	152.8	-360.6	350.3	313.2	37.10	9.442	
9,475.0	9,385.2	9,396.1	9,384.3	22.1	14.6	102.88	152.8	-360.6	354.1	317.0	37.14	9.534	
9,500.0	9,404.6	9,415.5	9,403.7	22.1	14.6	104.27	152.8	-360.6	358.8	321.6	37.16	9.657	
9,525.0	9,423.1	9,434.1	9,422.2	22.1	14.6	105.55	152.8	-360.6	364.5	327.3	37.14	9.815	
9,550.0	9,440.8	9,451.7	9,439.9	22.1	14.6	106.68	152.8	-360.6	371.2	334.1	37.08	10.010	
9,575.0	9,457.4	9,468.4	9,456.5	22.1	14.6	107.64	152.8	-360.6	379.0	342.1	36.99	10.246	
9,600.0	9,473.1	9,484.0	9,472.2	22.1	14.6	108.41	152.8	-360.6	388.0	351.2	36.87	10.523	
9,625.0	9,487.8	9,498.7	9,486.9	22.1	14.7	108.94	152.8	-360.6	398.2	361.4	36.72	10.843	
9,650.0	9,501.3	9,512.2	9,500.4	22.1	14.7	109.21	152.8	-360.6	409.5	372.9	36.54	11.206	
9,675.0	9,513.8	9,524.7	9,512.9	22.2	14.7	109.20	152.8	-360.6	421.9	385.6	36.34	11.612	
9,700.0	9,525.1	9,536.0	9,524.2	22.2	14.7	108.89	152.8	-360.6	435.5	399.4	36.12	12.058	
9,725.0	9,535.2	9,546.1	9,534.3	22.2	14.7	108.23	152.8	-360.6	450.1	414.2	35.88	12.545	
9,750.0	9,544.1	9,555.0	9,543.2	22.2	14.7	107.21	152.8	-360.6	465.7	430.1	35.64	13.069	
9,775.0	9,551.7	9,562.6	9,550.8	22.2	14.7	105.79	152.8	-360.6	482.3	446.9	35.39	13.628	
9,800.0	9,558.1	9,569.0	9,557.2	22.3	14.7	103.95	152.8	-360.6	499.7	464.6	35.14	14.220	
9,825.0	9,563.3	9,574.2	9,562.4	22.3	14.7	101.65	152.8	-360.6	517.9	483.0	34.90	14.842	
9,850.0	9,567.1	9,578.0	9,566.2	22.3	14.7	98.87	152.8	-360.6	536.8	502.1	34.66	15.489	
9,875.0	9,569.6	9,580.6	9,568.7	22.3	14.7	95.60	152.8	-360.6	556.2	521.8	34.42	16.160	
9,900.0	9,570.9	9,581.8	9,570.0	22.4	14.7	91.84	152.8	-360.6	576.2	542.0	34.19	16.850	
9,907.4	9,571.0	9,581.9	9,570.1	22.4	14.7	90.64	152.8	-360.6	582.2	548.0	34.13	17.058	
9,925.0	9,571.1	9,582.1	9,570.2	22.4	14.7	90.66	152.8	-360.6	596.6	562.6	33.98	17.556	
9,950.0	9,571.3	9,582.3	9,570.4	22.4	14.7	90.70	152.8	-360.6	617.3	583.5	33.77	18.276	
9,975.0	9,571.5	9,582.5	9,570.6	22.5	14.7	90.73	152.8	-360.6	638.3	604.7	33.58	19.007	
10,000.0	9,571.7	9,582.7	9,570.8	22.5	14.7	90.76	152.8	-360.6	659.6	626.2	33.40	19.750	
10,025.0	9,571.9	9,582.9	9,571.0	22.6	14.7	90.80	152.8	-360.6	681.1	647.9	33.22	20.501	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
10,050.0	9,572.1	9,583.1	9,571.2	22.6	14.7	90.83	152.8	-360.6	702.9	669.8	33.06	21.261	
10,075.0	9,572.3	9,583.3	9,571.4	22.7	14.7	90.87	152.8	-360.6	724.8	691.9	32.90	22.029	
10,100.0	9,572.5	9,583.5	9,571.6	22.7	14.7	90.90	152.8	-360.6	747.0	714.2	32.76	22.804	
10,125.0	9,572.7	9,583.7	9,571.8	22.8	14.7	90.93	152.8	-360.6	769.3	736.7	32.62	23.585	
10,150.0	9,572.9	9,583.9	9,572.0	22.8	14.7	90.97	152.8	-360.6	791.8	759.4	32.49	24.371	
10,175.0	9,573.2	9,584.1	9,572.3	22.9	14.7	91.00	152.8	-360.6	814.5	782.1	32.37	25.163	
10,200.0	9,573.4	9,584.3	9,572.5	22.9	14.7	91.03	152.8	-360.6	837.3	805.0	32.25	25.960	
10,225.0	9,573.6	9,584.5	9,572.7	23.0	14.7	91.07	152.8	-360.6	860.2	828.0	32.14	26.760	
10,250.0	9,573.8	9,584.7	9,572.9	23.1	14.7	91.10	152.8	-360.6	883.2	851.1	32.04	27.564	
10,275.0	9,574.0	9,584.9	9,573.1	23.1	14.7	91.14	152.8	-360.6	906.3	874.4	31.94	28.372	
10,300.0	9,574.2	9,585.1	9,573.3	23.2	14.7	91.17	152.8	-360.6	929.5	897.7	31.85	29.183	
10,325.0	9,574.4	9,585.3	9,573.5	23.3	14.7	91.20	152.8	-360.6	952.8	921.1	31.76	29.996	
10,350.0	9,574.6	11,178.6	10,470.5	23.3	16.6	159.23	1,058.5	-361.7	959.3	918.8	40.44	23.722	
10,375.0	9,574.8	11,203.6	10,470.8	23.4	16.7	159.23	1,083.5	-361.7	959.3	918.8	40.50	23.688	
10,400.0	9,575.0	11,228.6	10,471.1	23.5	16.8	159.23	1,108.5	-361.7	959.4	918.8	40.56	23.652	
10,425.0	9,575.2	11,253.6	10,471.3	23.6	16.9	159.23	1,133.5	-361.7	959.4	918.8	40.63	23.614	
10,450.0	9,575.4	11,278.6	10,471.6	23.6	17.0	159.23	1,158.4	-361.8	959.5	918.8	40.70	23.577	
10,475.0	9,575.6	11,303.6	10,471.8	23.7	17.1	159.24	1,183.4	-361.8	959.6	918.8	40.76	23.539	
10,500.0	9,575.8	11,328.6	10,472.1	23.8	17.2	159.24	1,208.4	-361.8	959.6	918.8	40.83	23.500	
10,525.0	9,576.0	11,353.6	10,472.4	23.9	17.3	159.24	1,233.4	-361.9	959.7	918.8	40.91	23.460	
10,550.0	9,576.2	11,378.6	10,472.6	24.0	17.4	159.24	1,258.4	-361.9	959.7	918.7	40.98	23.420	
10,575.0	9,576.4	11,403.6	10,472.9	24.0	17.5	159.24	1,283.4	-361.9	959.8	918.7	41.05	23.379	
10,600.0	9,576.6	11,428.6	10,473.1	24.1	17.7	159.24	1,308.4	-362.0	959.8	918.7	41.13	23.337	
10,625.0	9,576.8	11,453.6	10,473.4	24.2	17.8	159.24	1,333.4	-362.0	959.9	918.7	41.21	23.294	
10,650.0	9,577.0	11,478.6	10,473.7	24.3	17.9	159.24	1,358.4	-362.0	959.9	918.7	41.29	23.251	
10,675.0	9,577.2	11,503.6	10,473.9	24.4	18.0	159.25	1,383.4	-362.0	960.0	918.6	41.37	23.208	
10,700.0	9,577.4	11,528.6	10,474.2	24.5	18.1	159.25	1,408.4	-362.1	960.1	918.6	41.45	23.163	
10,725.0	9,577.6	11,553.6	10,474.4	24.6	18.3	159.25	1,433.4	-362.1	960.1	918.6	41.53	23.117	
10,750.0	9,577.8	11,578.6	10,474.7	24.7	18.4	159.25	1,458.4	-362.1	960.2	918.6	41.62	23.072	
10,775.0	9,578.0	11,603.6	10,475.0	24.8	18.5	159.25	1,483.4	-362.2	960.2	918.5	41.70	23.026	
10,800.0	9,578.2	11,628.6	10,475.2	24.9	18.7	159.25	1,508.4	-362.2	960.3	918.5	41.79	22.979	
10,825.0	9,578.4	11,653.6	10,475.5	25.0	18.8	159.25	1,533.4	-362.2	960.3	918.5	41.88	22.931	
10,850.0	9,578.6	11,678.6	10,475.8	25.1	18.9	159.25	1,558.4	-362.2	960.4	918.4	41.97	22.883	
10,875.0	9,578.8	11,703.6	10,476.0	25.2	19.1	159.26	1,583.4	-362.3	960.5	918.4	42.06	22.835	
10,900.0	9,579.0	11,728.6	10,476.3	25.3	19.2	159.26	1,608.4	-362.3	960.5	918.4	42.15	22.786	
10,925.0	9,579.2	11,753.6	10,476.5	25.4	19.3	159.26	1,633.4	-362.3	960.6	918.3	42.25	22.736	
10,950.0	9,579.4	11,778.6	10,476.8	25.5	19.5	159.26	1,658.4	-362.4	960.6	918.3	42.35	22.685	
10,975.0	9,579.6	11,803.6	10,477.1	25.6	19.6	159.26	1,683.4	-362.4	960.7	918.2	42.44	22.635	
11,000.0	9,579.8	11,828.6	10,477.3	25.8	19.8	159.26	1,708.4	-362.4	960.7	918.2	42.54	22.584	
11,025.0	9,580.0	11,853.6	10,477.6	25.9	19.9	159.26	1,733.4	-362.5	960.8	918.2	42.64	22.532	
11,050.0	9,580.2	11,878.6	10,477.8	26.0	20.1	159.26	1,758.4	-362.5	960.9	918.1	42.74	22.480	
11,075.0	9,580.4	11,903.6	10,478.1	26.1	20.2	159.27	1,783.4	-362.5	960.9	918.1	42.84	22.428	
11,100.0	9,580.6	11,928.6	10,478.4	26.2	20.4	159.27	1,808.4	-362.5	961.0	918.0	42.95	22.375	
11,125.0	9,580.8	11,953.6	10,478.6	26.3	20.5	159.27	1,833.4	-362.6	961.0	918.0	43.05	22.321	
11,150.0	9,581.0	11,978.6	10,478.9	26.5	20.7	159.27	1,858.4	-362.6	961.1	917.9	43.16	22.268	
11,175.0	9,581.2	12,003.6	10,479.2	26.6	20.8	159.27	1,883.4	-362.6	961.1	917.9	43.27	22.214	
11,200.0	9,581.4	12,028.6	10,479.4	26.7	21.0	159.27	1,908.4	-362.7	961.2	917.8	43.38	22.159	
11,225.0	9,581.6	12,053.6	10,479.7	26.8	21.1	159.27	1,933.4	-362.7	961.2	917.8	43.49	22.104	
11,250.0	9,581.8	12,078.6	10,479.9	26.9	21.3	159.28	1,958.4	-362.7	961.3	917.7	43.60	22.049	
11,275.0	9,582.0	12,103.6	10,480.2	27.1	21.4	159.28	1,983.4	-362.7	961.4	917.7	43.71	21.994	
11,300.0	9,582.2	12,128.6	10,480.5	27.2	21.6	159.28	2,008.4	-362.8	961.4	917.6	43.82	21.938	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
11,325.0	9,582.4	12,153.6	10,480.7	27.3	21.8	159.28	2,033.4	-362.8	961.5	917.5	43.94	21.881	
11,350.0	9,582.6	12,178.6	10,481.0	27.5	21.9	159.28	2,058.4	-362.8	961.5	917.5	44.06	21.825	
11,375.0	9,582.8	12,203.6	10,481.2	27.6	22.1	159.28	2,083.4	-362.9	961.6	917.4	44.17	21.768	
11,400.0	9,583.0	12,228.6	10,481.5	27.7	22.2	159.28	2,108.4	-362.9	961.6	917.4	44.29	21.711	
11,425.0	9,583.2	12,253.6	10,481.8	27.9	22.4	159.28	2,133.4	-362.9	961.7	917.3	44.41	21.653	
11,450.0	9,583.4	12,278.6	10,482.0	28.0	22.6	159.29	2,158.4	-362.9	961.8	917.2	44.53	21.596	
11,475.0	9,583.6	12,303.6	10,482.3	28.1	22.7	159.29	2,183.4	-363.0	961.8	917.2	44.66	21.538	
11,500.0	9,583.8	12,328.6	10,482.6	28.3	22.9	159.29	2,208.4	-363.0	961.9	917.1	44.78	21.480	
11,525.0	9,584.0	12,353.6	10,482.8	28.4	23.1	159.29	2,233.4	-363.0	961.9	917.0	44.90	21.422	
11,550.0	9,584.2	12,378.6	10,483.1	28.5	23.2	159.29	2,258.4	-363.1	962.0	917.0	45.03	21.363	
11,575.0	9,584.4	12,403.6	10,483.3	28.7	23.4	159.29	2,283.4	-363.1	962.0	916.9	45.16	21.305	
11,600.0	9,584.6	12,428.6	10,483.6	28.8	23.6	159.29	2,308.4	-363.1	962.1	916.8	45.28	21.246	
11,625.0	9,584.8	12,453.6	10,483.9	28.9	23.7	159.29	2,333.4	-363.2	962.2	916.7	45.41	21.186	
11,650.0	9,585.0	12,478.6	10,484.1	29.1	23.9	159.30	2,358.4	-363.2	962.2	916.7	45.54	21.127	
11,675.0	9,585.2	12,503.6	10,484.4	29.2	24.1	159.30	2,383.4	-363.2	962.3	916.6	45.67	21.068	
11,700.0	9,585.4	12,528.6	10,484.6	29.4	24.3	159.30	2,408.4	-363.2	962.3	916.5	45.81	21.009	
11,725.0	9,585.6	12,553.6	10,484.9	29.5	24.4	159.30	2,433.4	-363.3	962.4	916.4	45.94	20.948	
11,750.0	9,585.8	12,578.6	10,485.2	29.7	24.6	159.30	2,458.4	-363.3	962.4	916.4	46.07	20.889	
11,775.0	9,586.0	12,603.6	10,485.4	29.8	24.8	159.30	2,483.4	-363.3	962.5	916.3	46.21	20.829	
11,800.0	9,586.2	12,628.6	10,485.7	30.0	25.0	159.30	2,508.4	-363.4	962.5	916.2	46.35	20.769	
11,825.0	9,586.4	12,653.6	10,485.9	30.1	25.1	159.30	2,533.4	-363.4	962.6	916.1	46.48	20.708	
11,850.0	9,586.6	12,678.6	10,486.2	30.3	25.3	159.31	2,558.4	-363.4	962.7	916.0	46.62	20.648	
11,875.0	9,586.8	12,703.6	10,486.5	30.4	25.5	159.31	2,583.4	-363.4	962.7	916.0	46.76	20.588	
11,900.0	9,587.0	12,728.6	10,486.7	30.6	25.7	159.31	2,608.4	-363.5	962.8	915.9	46.90	20.528	
11,925.0	9,587.2	12,753.6	10,487.0	30.7	25.8	159.31	2,633.4	-363.5	962.8	915.8	47.04	20.467	
11,950.0	9,587.4	12,778.6	10,487.3	30.9	26.0	159.31	2,658.4	-363.5	962.9	915.7	47.19	20.406	
11,975.0	9,587.6	12,803.6	10,487.5	31.0	26.2	159.31	2,683.4	-363.6	962.9	915.6	47.33	20.346	
12,000.0	9,587.8	12,828.6	10,487.8	31.2	26.4	159.31	2,708.4	-363.6	963.0	915.5	47.47	20.285	
12,025.0	9,588.0	12,853.6	10,488.0	31.3	26.6	159.32	2,733.4	-363.6	963.1	915.4	47.62	20.224	
12,050.0	9,588.2	12,878.6	10,488.3	31.5	26.7	159.32	2,758.4	-363.7	963.1	915.3	47.77	20.163	
12,075.0	9,588.4	12,903.6	10,488.6	31.6	26.9	159.32	2,783.4	-363.7	963.2	915.3	47.91	20.103	
12,100.0	9,588.6	12,928.6	10,488.8	31.8	27.1	159.32	2,808.4	-363.7	963.2	915.2	48.06	20.042	
12,125.0	9,588.8	12,953.6	10,489.1	31.9	27.3	159.32	2,833.4	-363.7	963.3	915.1	48.21	19.981	
12,150.0	9,589.0	12,978.6	10,489.3	32.1	27.5	159.32	2,858.3	-363.8	963.3	915.0	48.36	19.920	
12,175.0	9,589.2	13,003.6	10,489.6	32.3	27.6	159.32	2,883.3	-363.8	963.4	914.9	48.51	19.860	
12,200.0	9,589.4	13,028.6	10,489.9	32.4	27.8	159.32	2,908.3	-363.8	963.5	914.8	48.66	19.799	
12,225.0	9,589.6	13,053.6	10,490.1	32.6	28.0	159.33	2,933.3	-363.9	963.5	914.7	48.81	19.738	
12,250.0	9,589.8	13,078.6	10,490.4	32.7	28.2	159.33	2,958.3	-363.9	963.6	914.6	48.97	19.677	
12,275.0	9,590.0	13,103.6	10,490.7	32.9	28.4	159.33	2,983.3	-363.9	963.6	914.5	49.12	19.617	
12,300.0	9,590.2	13,128.6	10,490.9	33.1	28.6	159.33	3,008.3	-363.9	963.7	914.4	49.28	19.556	
12,325.0	9,590.4	13,153.6	10,491.2	33.2	28.7	159.33	3,033.3	-364.0	963.7	914.3	49.43	19.496	
12,350.0	9,590.6	13,178.6	10,491.4	33.4	28.9	159.33	3,058.3	-364.0	963.8	914.2	49.59	19.435	
12,375.0	9,590.8	13,203.6	10,491.7	33.5	29.1	159.33	3,083.3	-364.0	963.8	914.1	49.75	19.375	
12,400.0	9,591.0	13,228.6	10,492.0	33.7	29.3	159.33	3,108.3	-364.1	963.9	914.0	49.91	19.314	
12,425.0	9,591.2	13,253.6	10,492.2	33.9	29.5	159.34	3,133.3	-364.1	964.0	913.9	50.07	19.254	
12,450.0	9,591.4	13,278.6	10,492.5	34.0	29.7	159.34	3,158.3	-364.1	964.0	913.8	50.23	19.194	
12,475.0	9,591.6	13,303.6	10,492.7	34.2	29.9	159.34	3,183.3	-364.1	964.1	913.7	50.39	19.134	
12,500.0	9,591.8	13,328.6	10,493.0	34.4	30.1	159.34	3,208.3	-364.2	964.1	913.6	50.55	19.074	
12,525.0	9,592.0	13,353.6	10,493.3	34.5	30.2	159.34	3,233.3	-364.2	964.2	913.5	50.71	19.013	
12,550.0	9,592.2	13,378.6	10,493.5	34.7	30.4	159.34	3,258.3	-364.2	964.2	913.4	50.87	18.953	
12,575.0	9,592.4	13,403.6	10,493.8	34.9	30.6	159.34	3,283.3	-364.3	964.3	913.3	51.04	18.894	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
12,600.0	9,592.6	13,428.6	10,494.0	35.0	30.8	159.34	3,308.3	-364.3	964.4	913.2	51.20	18.834	
12,625.0	9,592.8	13,453.6	10,494.3	35.2	31.0	159.35	3,333.3	-364.3	964.4	913.0	51.37	18.774	
12,650.0	9,593.0	13,478.6	10,494.6	35.4	31.2	159.35	3,358.3	-364.4	964.5	912.9	51.54	18.715	
12,675.0	9,593.2	13,503.6	10,494.8	35.5	31.4	159.35	3,383.3	-364.4	964.5	912.8	51.70	18.656	
12,700.0	9,593.4	13,528.6	10,495.1	35.7	31.6	159.35	3,408.3	-364.4	964.6	912.7	51.87	18.596	
12,725.0	9,593.6	13,553.6	10,495.4	35.9	31.8	159.35	3,433.3	-364.4	964.6	912.6	52.04	18.537	
12,750.0	9,593.8	13,578.6	10,495.6	36.1	32.0	159.35	3,458.3	-364.5	964.7	912.5	52.21	18.478	
12,775.0	9,594.0	13,603.6	10,495.9	36.2	32.1	159.35	3,483.3	-364.5	964.8	912.4	52.38	18.419	
12,800.0	9,594.2	13,628.6	10,496.1	36.4	32.3	159.36	3,508.3	-364.5	964.8	912.3	52.55	18.361	
12,825.0	9,594.4	13,653.6	10,496.4	36.6	32.5	159.36	3,533.3	-364.6	964.9	912.1	52.72	18.302	
12,850.0	9,594.6	13,678.6	10,496.7	36.7	32.7	159.36	3,558.3	-364.6	964.9	912.0	52.89	18.243	
12,875.0	9,594.8	13,703.6	10,496.9	36.9	32.9	159.36	3,583.3	-364.6	965.0	911.9	53.06	18.185	
12,900.0	9,595.0	13,728.6	10,497.2	37.1	33.1	159.36	3,608.3	-364.6	965.0	911.8	53.24	18.127	
12,925.0	9,595.2	13,753.6	10,497.4	37.3	33.3	159.36	3,633.3	-364.7	965.1	911.7	53.41	18.069	
12,950.0	9,595.4	13,778.6	10,497.7	37.4	33.5	159.36	3,658.3	-364.7	965.1	911.6	53.59	18.011	
12,975.0	9,595.6	13,803.6	10,498.0	37.6	33.7	159.36	3,683.3	-364.7	965.2	911.4	53.76	17.953	
13,000.0	9,595.8	13,828.6	10,498.2	37.8	33.9	159.37	3,708.3	-364.8	965.3	911.3	53.94	17.896	
13,025.0	9,596.0	13,853.6	10,498.5	38.0	34.1	159.37	3,733.3	-364.8	965.3	911.2	54.11	17.838	
13,050.0	9,596.2	13,878.6	10,498.8	38.1	34.3	159.37	3,758.3	-364.8	965.4	911.1	54.29	17.781	
13,075.0	9,596.4	13,903.6	10,499.0	38.3	34.5	159.37	3,783.3	-364.9	965.4	911.0	54.47	17.724	
13,100.0	9,596.6	13,928.6	10,499.3	38.5	34.7	159.37	3,808.3	-364.9	965.5	910.8	54.65	17.667	
13,125.0	9,596.8	13,953.6	10,499.5	38.7	34.9	159.37	3,833.3	-364.9	965.5	910.7	54.83	17.611	
13,150.0	9,597.0	13,978.6	10,499.8	38.9	35.1	159.37	3,858.3	-364.9	965.6	910.6	55.01	17.554	
13,175.0	9,597.2	14,003.6	10,500.1	39.0	35.2	159.37	3,883.3	-365.0	965.7	910.5	55.19	17.498	
13,200.0	9,597.4	14,028.6	10,500.3	39.2	35.4	159.38	3,908.3	-365.0	965.7	910.3	55.37	17.442	
13,225.0	9,597.7	14,053.6	10,500.6	39.4	35.6	159.38	3,933.3	-365.0	965.8	910.2	55.55	17.385	
13,250.0	9,597.9	14,078.6	10,500.8	39.6	35.8	159.38	3,958.3	-365.1	965.8	910.1	55.73	17.330	
13,275.0	9,598.1	14,103.6	10,501.1	39.7	36.0	159.38	3,983.3	-365.1	965.9	910.0	55.91	17.274	
13,300.0	9,598.3	14,128.6	10,501.4	39.9	36.2	159.38	4,008.3	-365.1	965.9	909.8	56.10	17.219	
13,325.0	9,598.5	14,153.6	10,501.6	40.1	36.4	159.38	4,033.3	-365.1	966.0	909.7	56.28	17.163	
13,350.0	9,598.7	14,178.6	10,501.9	40.3	36.6	159.38	4,058.3	-365.2	966.1	909.6	56.47	17.108	
13,375.0	9,598.9	14,203.6	10,502.2	40.5	36.8	159.38	4,083.3	-365.2	966.1	909.5	56.65	17.054	
13,400.0	9,599.1	14,228.6	10,502.4	40.6	37.0	159.39	4,108.3	-365.2	966.2	909.3	56.84	16.999	
13,425.0	9,599.3	14,253.6	10,502.7	40.8	37.2	159.39	4,133.3	-365.3	966.2	909.2	57.02	16.944	
13,450.0	9,599.5	14,278.6	10,502.9	41.0	37.4	159.39	4,158.3	-365.3	966.3	909.1	57.21	16.890	
13,475.0	9,599.7	14,303.6	10,503.2	41.2	37.6	159.39	4,183.3	-365.3	966.3	908.9	57.40	16.836	
13,500.0	9,599.9	14,328.6	10,503.5	41.4	37.8	159.39	4,208.3	-365.3	966.4	908.8	57.58	16.782	
13,525.0	9,600.1	14,353.6	10,503.7	41.6	38.0	159.39	4,233.3	-365.4	966.5	908.7	57.77	16.728	
13,550.0	9,600.3	14,378.6	10,504.0	41.7	38.2	159.39	4,258.3	-365.4	966.5	908.5	57.96	16.675	
13,575.0	9,600.5	14,403.6	10,504.2	41.9	38.4	159.39	4,283.3	-365.4	966.6	908.4	58.15	16.622	
13,600.0	9,600.7	14,428.6	10,504.5	42.1	38.6	159.40	4,308.3	-365.5	966.6	908.3	58.34	16.568	
13,625.0	9,600.9	14,453.6	10,504.8	42.3	38.8	159.40	4,333.3	-365.5	966.7	908.1	58.53	16.515	
13,650.0	9,601.1	14,478.6	10,505.0	42.5	39.0	159.40	4,358.3	-365.5	966.7	908.0	58.72	16.463	
13,675.0	9,601.3	14,503.6	10,505.3	42.7	39.2	159.40	4,383.3	-365.6	966.8	907.9	58.91	16.410	
13,700.0	9,601.5	14,528.6	10,505.5	42.8	39.4	159.40	4,408.3	-365.6	966.8	907.7	59.11	16.358	
13,725.0	9,601.7	14,553.6	10,505.8	43.0	39.6	159.40	4,433.3	-365.6	966.9	907.6	59.30	16.306	
13,750.0	9,601.9	14,578.6	10,506.1	43.2	39.8	159.40	4,458.3	-365.6	967.0	907.5	59.49	16.254	
13,775.0	9,602.1	14,603.6	10,506.3	43.4	40.0	159.40	4,483.3	-365.7	967.0	907.3	59.68	16.202	
13,800.0	9,602.3	14,628.6	10,506.6	43.6	40.2	159.41	4,508.3	-365.7	967.1	907.2	59.88	16.151	
13,825.0	9,602.5	14,653.6	10,506.9	43.8	40.4	159.41	4,533.3	-365.7	967.1	907.1	60.07	16.100	
13,850.0	9,602.7	14,678.6	10,507.1	44.0	40.6	159.41	4,558.3	-365.8	967.2	906.9	60.27	16.049	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
13,875.0	9,602.9	14,703.6	10,507.4	44.1	40.8	159.41	4,583.2	-365.8	967.2	906.8	60.46	15.998	
13,900.0	9,603.1	14,728.6	10,507.6	44.3	41.0	159.41	4,608.2	-365.8	967.3	906.6	60.66	15.947	
13,925.0	9,603.3	14,753.6	10,507.9	44.5	41.2	159.41	4,633.2	-365.8	967.4	906.5	60.85	15.897	
13,950.0	9,603.5	14,778.6	10,508.2	44.7	41.4	159.41	4,658.2	-365.9	967.4	906.4	61.05	15.846	
13,975.0	9,603.7	14,803.6	10,508.4	44.9	41.6	159.42	4,683.2	-365.9	967.5	906.2	61.25	15.797	
14,000.0	9,603.9	14,828.6	10,508.7	45.1	41.8	159.42	4,708.2	-365.9	967.5	906.1	61.44	15.747	
14,025.0	9,604.1	14,853.6	10,508.9	45.3	42.0	159.42	4,733.2	-366.0	967.6	905.9	61.64	15.697	
14,050.0	9,604.3	14,878.6	10,509.2	45.5	42.2	159.42	4,758.2	-366.0	967.6	905.8	61.84	15.648	
14,075.0	9,604.5	14,903.6	10,509.5	45.7	42.4	159.42	4,783.2	-366.0	967.7	905.7	62.04	15.599	
14,100.0	9,604.7	14,928.6	10,509.7	45.8	42.6	159.42	4,808.2	-366.1	967.8	905.5	62.24	15.550	
14,125.0	9,604.9	14,953.6	10,510.0	46.0	42.8	159.42	4,833.2	-366.1	967.8	905.4	62.44	15.501	
14,150.0	9,605.1	14,978.6	10,510.3	46.2	43.0	159.42	4,858.2	-366.1	967.9	905.2	62.64	15.452	
14,175.0	9,605.3	15,003.6	10,510.5	46.4	43.2	159.43	4,883.2	-366.1	967.9	905.1	62.84	15.404	
14,200.0	9,605.5	15,028.6	10,510.8	46.6	43.4	159.43	4,908.2	-366.2	968.0	904.9	63.04	15.356	
14,225.0	9,605.7	15,053.6	10,511.0	46.8	43.6	159.43	4,933.2	-366.2	968.0	904.8	63.24	15.308	
14,250.0	9,605.9	15,078.6	10,511.3	47.0	43.8	159.43	4,958.2	-366.2	968.1	904.7	63.44	15.260	
14,275.0	9,606.1	15,103.6	10,511.6	47.2	44.0	159.43	4,983.2	-366.3	968.1	904.5	63.64	15.213	
14,300.0	9,606.3	15,128.6	10,511.8	47.4	44.2	159.43	5,008.2	-366.3	968.2	904.4	63.84	15.166	
14,325.0	9,606.5	15,153.6	10,512.1	47.5	44.4	159.43	5,033.2	-366.3	968.3	904.2	64.05	15.118	
14,350.0	9,606.7	15,178.6	10,512.3	47.7	44.6	159.43	5,058.2	-366.3	968.3	904.1	64.25	15.072	
14,375.0	9,606.9	15,203.6	10,512.6	47.9	44.8	159.44	5,083.2	-366.4	968.4	903.9	64.45	15.025	
14,400.0	9,607.1	15,228.6	10,512.9	48.1	45.0	159.44	5,108.2	-366.4	968.4	903.8	64.65	14.978	
14,425.0	9,607.3	15,253.6	10,513.1	48.3	45.2	159.44	5,133.2	-366.4	968.5	903.6	64.86	14.932	
14,450.0	9,607.5	15,278.6	10,513.4	48.5	45.4	159.44	5,158.2	-366.5	968.5	903.5	65.06	14.886	
14,475.0	9,607.7	15,303.6	10,513.7	48.7	45.7	159.44	5,183.2	-366.5	968.6	903.3	65.27	14.840	
14,500.0	9,607.9	15,328.6	10,513.9	48.9	45.9	159.44	5,208.2	-366.5	968.7	903.2	65.47	14.795	
14,525.0	9,608.1	15,353.6	10,514.2	49.1	46.1	159.44	5,233.2	-366.5	968.7	903.0	65.68	14.749	
14,550.0	9,608.3	15,378.6	10,514.4	49.3	46.3	159.44	5,258.2	-366.6	968.8	902.9	65.88	14.704	
14,575.0	9,608.5	15,403.6	10,514.7	49.5	46.5	159.45	5,283.2	-366.6	968.8	902.7	66.09	14.659	
14,600.0	9,608.7	15,428.6	10,515.0	49.7	46.7	159.45	5,308.2	-366.6	968.9	902.6	66.30	14.614	
14,625.0	9,608.9	15,453.6	10,515.2	49.9	46.9	159.45	5,333.2	-366.7	968.9	902.4	66.50	14.570	
14,650.0	9,609.1	15,478.6	10,515.5	50.0	47.1	159.45	5,358.2	-366.7	969.0	902.3	66.71	14.525	
14,675.0	9,609.3	15,503.6	10,515.7	50.2	47.3	159.45	5,383.2	-366.7	969.1	902.1	66.92	14.481	
14,700.0	9,609.5	15,528.6	10,516.0	50.4	47.5	159.45	5,408.2	-366.8	969.1	902.0	67.13	14.437	
14,725.0	9,609.7	15,553.6	10,516.3	50.6	47.7	159.45	5,433.2	-366.8	969.2	901.8	67.34	14.393	
14,750.0	9,609.9	15,578.6	10,516.5	50.8	47.9	159.45	5,458.2	-366.8	969.2	901.7	67.54	14.350	
14,775.0	9,610.1	15,603.6	10,516.8	51.0	48.1	159.46	5,483.2	-366.8	969.3	901.5	67.75	14.306	
14,800.0	9,610.3	15,628.6	10,517.0	51.2	48.3	159.46	5,508.2	-366.9	969.3	901.4	67.96	14.263	
14,825.0	9,610.5	15,653.6	10,517.3	51.4	48.5	159.46	5,533.2	-366.9	969.4	901.2	68.17	14.220	
14,850.0	9,610.7	15,678.6	10,517.6	51.6	48.7	159.46	5,558.2	-366.9	969.4	901.1	68.38	14.177	
14,875.0	9,610.9	15,703.6	10,517.8	51.8	48.9	159.46	5,583.2	-367.0	969.5	900.9	68.59	14.135	
14,900.0	9,611.1	15,728.6	10,518.1	52.0	49.1	159.46	5,608.2	-367.0	969.6	900.8	68.80	14.092	
14,925.0	9,611.3	15,753.6	10,518.4	52.2	49.3	159.46	5,633.2	-367.0	969.6	900.6	69.01	14.050	
14,950.0	9,611.5	15,778.6	10,518.6	52.4	49.5	159.46	5,658.2	-367.0	969.7	900.5	69.22	14.008	
14,975.0	9,611.7	15,803.6	10,518.9	52.6	49.7	159.47	5,683.2	-367.1	969.7	900.3	69.43	13.966	
15,000.0	9,611.9	15,828.6	10,519.1	52.8	49.9	159.47	5,708.2	-367.1	969.8	900.1	69.65	13.925	
15,025.0	9,612.1	15,853.6	10,519.4	53.0	50.1	159.47	5,733.2	-367.1	969.8	900.0	69.86	13.883	
15,050.0	9,612.3	15,878.6	10,519.7	53.2	50.4	159.47	5,758.2	-367.2	969.9	899.8	70.07	13.842	
15,075.0	9,612.5	15,903.6	10,519.9	53.4	50.6	159.47	5,783.2	-367.2	970.0	899.7	70.28	13.801	
15,100.0	9,612.7	15,928.6	10,520.2	53.5	50.8	159.47	5,808.2	-367.2	970.0	899.5	70.49	13.760	
15,125.0	9,612.9	15,953.6	10,520.4	53.7	51.0	159.47	5,833.2	-367.3	970.1	899.4	70.71	13.719	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
15,150.0	9,613.1	15,978.6	10,520.7	53.9	51.2	159.47	5,858.2	-367.3	970.1	899.2	70.92	13.679	
15,175.0	9,613.3	16,003.6	10,521.0	54.1	51.4	159.48	5,883.2	-367.3	970.2	899.1	71.13	13.639	
15,200.0	9,613.5	16,028.6	10,521.2	54.3	51.6	159.48	5,908.2	-367.3	970.2	898.9	71.35	13.599	
15,225.0	9,613.7	16,053.6	10,521.5	54.5	51.8	159.48	5,933.2	-367.4	970.3	898.7	71.56	13.559	
15,250.0	9,613.9	16,078.6	10,521.8	54.7	52.0	159.48	5,958.2	-367.4	970.4	898.6	71.78	13.519	
15,275.0	9,614.1	16,103.6	10,522.0	54.9	52.2	159.48	5,983.2	-367.4	970.4	898.4	71.99	13.480	
15,300.0	9,614.3	16,128.6	10,522.3	55.1	52.4	159.48	6,008.2	-367.5	970.5	898.3	72.21	13.440	
15,325.0	9,614.5	16,153.6	10,522.5	55.3	52.6	159.48	6,033.2	-367.5	970.5	898.1	72.42	13.401	
15,350.0	9,614.7	16,178.6	10,522.8	55.5	52.8	159.48	6,058.2	-367.5	970.6	897.9	72.64	13.362	
15,375.0	9,614.9	16,203.6	10,523.1	55.7	53.0	159.49	6,083.2	-367.5	970.6	897.8	72.85	13.323	
15,400.0	9,615.1	16,228.6	10,523.3	55.9	53.2	159.49	6,108.2	-367.6	970.7	897.6	73.07	13.285	
15,425.0	9,615.3	16,253.6	10,523.6	56.1	53.4	159.49	6,133.2	-367.6	970.8	897.5	73.28	13.246	
15,450.0	9,615.5	16,278.6	10,523.8	56.3	53.6	159.49	6,158.2	-367.6	970.8	897.3	73.50	13.208	
15,475.0	9,615.7	16,303.6	10,524.1	56.5	53.9	159.49	6,183.2	-367.7	970.9	897.1	73.72	13.170	
15,500.0	9,615.9	16,328.6	10,524.4	56.7	54.1	159.49	6,208.2	-367.7	970.9	897.0	73.93	13.132	
15,525.0	9,616.1	16,353.6	10,524.6	56.9	54.3	159.49	6,233.2	-367.7	971.0	896.8	74.15	13.094	
15,550.0	9,616.3	16,378.6	10,524.9	57.1	54.5	159.50	6,258.2	-367.7	971.0	896.7	74.37	13.057	
15,575.0	9,616.5	16,403.6	10,525.2	57.3	54.7	159.50	6,283.2	-367.8	971.1	896.5	74.59	13.020	
15,600.0	9,616.7	16,428.6	10,525.4	57.5	54.9	159.50	6,308.1	-367.8	971.1	896.3	74.80	12.982	
15,625.0	9,616.9	16,453.6	10,525.7	57.7	55.1	159.50	6,333.1	-367.8	971.2	896.2	75.02	12.945	
15,650.0	9,617.1	16,478.6	10,525.9	57.9	55.3	159.50	6,358.1	-367.9	971.3	896.0	75.24	12.909	
15,675.0	9,617.3	16,503.6	10,526.2	58.1	55.5	159.50	6,383.1	-367.9	971.3	895.9	75.46	12.872	
15,700.0	9,617.5	16,528.6	10,526.5	58.3	55.7	159.50	6,408.1	-367.9	971.4	895.7	75.68	12.836	
15,725.0	9,617.7	16,553.6	10,526.7	58.5	55.9	159.50	6,433.1	-368.0	971.4	895.5	75.90	12.799	
15,750.0	9,617.9	16,578.6	10,527.0	58.7	56.1	159.51	6,458.1	-368.0	971.5	895.4	76.12	12.763	
15,775.0	9,618.1	16,603.6	10,527.2	58.9	56.3	159.51	6,483.1	-368.0	971.5	895.2	76.34	12.727	
15,800.0	9,618.3	16,628.6	10,527.5	59.1	56.5	159.51	6,508.1	-368.0	971.6	895.0	76.56	12.691	
15,825.0	9,618.5	16,653.6	10,527.8	59.3	56.8	159.51	6,533.1	-368.1	971.7	894.9	76.78	12.656	
15,850.0	9,618.7	16,678.6	10,528.0	59.5	57.0	159.51	6,558.1	-368.1	971.7	894.7	77.00	12.620	
15,875.0	9,618.9	16,703.6	10,528.3	59.7	57.2	159.51	6,583.1	-368.1	971.8	894.6	77.22	12.585	
15,900.0	9,619.1	16,728.6	10,528.5	59.9	57.4	159.51	6,608.1	-368.2	971.8	894.4	77.44	12.550	
15,925.0	9,619.3	16,753.6	10,528.8	60.1	57.6	159.51	6,633.1	-368.2	971.9	894.2	77.66	12.515	
15,950.0	9,619.5	16,778.6	10,529.1	60.3	57.8	159.52	6,658.1	-368.2	971.9	894.1	77.88	12.480	
15,975.0	9,619.7	16,803.6	10,529.3	60.5	58.0	159.52	6,683.1	-368.2	972.0	893.9	78.10	12.446	
16,000.0	9,619.9	16,828.6	10,529.6	60.7	58.2	159.52	6,708.1	-368.3	972.1	893.7	78.32	12.411	
16,025.0	9,620.1	16,853.6	10,529.9	60.9	58.4	159.52	6,733.1	-368.3	972.1	893.6	78.54	12.377	
16,050.0	9,620.3	16,878.6	10,530.1	61.1	58.6	159.52	6,758.1	-368.3	972.2	893.4	78.76	12.343	
16,075.0	9,620.5	16,903.6	10,530.4	61.3	58.8	159.52	6,783.1	-368.4	972.2	893.2	78.99	12.309	
16,100.0	9,620.7	16,928.6	10,530.6	61.5	59.0	159.52	6,808.1	-368.4	972.3	893.1	79.21	12.275	
16,125.0	9,620.9	16,953.6	10,530.9	61.7	59.2	159.52	6,833.1	-368.4	972.3	892.9	79.43	12.241	
16,150.0	9,621.1	16,978.6	10,531.2	61.9	59.4	159.53	6,858.1	-368.5	972.4	892.7	79.65	12.208	
16,175.0	9,621.3	17,003.6	10,531.4	62.1	59.7	159.53	6,883.1	-368.5	972.4	892.6	79.88	12.174	
16,200.0	9,621.5	17,028.6	10,531.7	62.3	59.9	159.53	6,908.1	-368.5	972.5	892.4	80.10	12.141	
16,225.0	9,621.7	17,053.6	10,531.9	62.5	60.1	159.53	6,933.1	-368.5	972.6	892.2	80.32	12.108	
16,250.0	9,622.0	17,078.6	10,532.2	62.7	60.3	159.53	6,958.1	-368.6	972.6	892.1	80.55	12.075	
16,275.0	9,622.2	17,103.6	10,532.5	62.9	60.5	159.53	6,983.1	-368.6	972.7	891.9	80.77	12.043	
16,300.0	9,622.4	17,128.6	10,532.7	63.1	60.7	159.53	7,008.1	-368.6	972.7	891.7	80.99	12.010	
16,325.0	9,622.6	17,153.6	10,533.0	63.3	60.9	159.53	7,033.1	-368.7	972.8	891.6	81.22	11.978	
16,350.0	9,622.8	17,178.6	10,533.3	63.5	61.1	159.54	7,058.1	-368.7	972.8	891.4	81.44	11.945	
16,375.0	9,623.0	17,203.6	10,533.5	63.7	61.3	159.54	7,083.1	-368.7	972.9	891.2	81.66	11.913	
16,400.0	9,623.2	17,228.6	10,533.8	63.9	61.5	159.54	7,108.1	-368.7	973.0	891.1	81.89	11.881	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
16,425.0	9,623.4	17,253.6	10,534.0	64.1	61.7	159.54	7,133.1	-368.8	973.0	890.9	82.11	11.850	
16,450.0	9,623.6	17,278.6	10,534.3	64.3	61.9	159.54	7,158.1	-368.8	973.1	890.7	82.34	11.818	
16,475.0	9,623.8	17,303.6	10,534.6	64.5	62.2	159.54	7,183.1	-368.8	973.1	890.6	82.56	11.786	
16,500.0	9,624.0	17,328.6	10,534.8	64.7	62.4	159.54	7,208.1	-368.9	973.2	890.4	82.79	11.755	
16,525.0	9,624.2	17,353.6	10,535.1	64.9	62.6	159.54	7,233.1	-368.9	973.2	890.2	83.01	11.724	
16,550.0	9,624.4	17,378.6	10,535.3	65.1	62.8	159.55	7,258.1	-368.9	973.3	890.1	83.24	11.693	
16,575.0	9,624.6	17,403.6	10,535.6	65.3	63.0	159.55	7,283.1	-368.9	973.4	889.9	83.46	11.662	
16,600.0	9,624.8	17,428.6	10,535.9	65.5	63.2	159.55	7,308.1	-369.0	973.4	889.7	83.69	11.631	
16,625.0	9,625.0	17,453.6	10,536.1	65.7	63.4	159.55	7,333.1	-369.0	973.5	889.6	83.92	11.600	
16,650.0	9,625.2	17,478.6	10,536.4	65.9	63.6	159.55	7,358.1	-369.0	973.5	889.4	84.14	11.570	
16,675.0	9,625.4	17,503.6	10,536.6	66.1	63.8	159.55	7,383.1	-369.1	973.6	889.2	84.37	11.540	
16,700.0	9,625.6	17,528.6	10,536.9	66.3	64.0	159.55	7,408.1	-369.1	973.6	889.0	84.60	11.509	
16,725.0	9,625.8	17,553.6	10,537.2	66.5	64.2	159.55	7,433.1	-369.1	973.7	888.9	84.82	11.479	
16,750.0	9,626.0	17,578.6	10,537.4	66.7	64.4	159.56	7,458.1	-369.2	973.8	888.7	85.05	11.449	
16,775.0	9,626.2	17,603.6	10,537.7	66.9	64.7	159.56	7,483.1	-369.2	973.8	888.5	85.28	11.420	
16,800.0	9,626.4	17,628.6	10,538.0	67.1	64.9	159.56	7,508.1	-369.2	973.9	888.4	85.50	11.390	
16,825.0	9,626.6	17,653.6	10,538.2	67.3	65.1	159.56	7,533.1	-369.2	973.9	888.2	85.73	11.360	
16,850.0	9,626.8	17,678.6	10,538.5	67.5	65.3	159.56	7,558.1	-369.3	974.0	888.0	85.96	11.331	
16,875.0	9,627.0	17,703.6	10,538.7	67.7	65.5	159.56	7,583.1	-369.3	974.0	887.8	86.18	11.302	
16,900.0	9,627.2	17,728.6	10,539.0	67.9	65.7	159.56	7,608.1	-369.3	974.1	887.7	86.41	11.273	
16,925.0	9,627.4	17,753.6	10,539.3	68.1	65.9	159.56	7,633.1	-369.4	974.1	887.5	86.64	11.244	
16,950.0	9,627.6	17,778.6	10,539.5	68.4	66.1	159.57	7,658.1	-369.4	974.2	887.3	86.87	11.215	
16,975.0	9,627.8	17,803.6	10,539.8	68.6	66.3	159.57	7,683.1	-369.4	974.3	887.2	87.10	11.186	
17,000.0	9,628.0	17,828.6	10,540.0	68.8	66.5	159.57	7,708.1	-369.4	974.3	887.0	87.32	11.157	
17,025.0	9,628.2	17,853.6	10,540.3	69.0	66.7	159.57	7,733.1	-369.5	974.4	886.8	87.55	11.129	
17,050.0	9,628.4	17,878.6	10,540.6	69.2	67.0	159.57	7,758.1	-369.5	974.4	886.6	87.78	11.101	
17,075.0	9,628.6	17,903.6	10,540.8	69.4	67.2	159.57	7,783.1	-369.5	974.5	886.5	88.01	11.072	
17,100.0	9,628.8	17,928.6	10,541.1	69.6	67.4	159.57	7,808.1	-369.6	974.5	886.3	88.24	11.044	
17,125.0	9,629.0	17,953.6	10,541.4	69.8	67.6	159.57	7,833.1	-369.6	974.6	886.1	88.47	11.016	
17,150.0	9,629.2	17,978.6	10,541.6	70.0	67.8	159.58	7,858.1	-369.6	974.7	886.0	88.70	10.989	
17,175.0	9,629.4	18,003.6	10,541.9	70.2	68.0	159.58	7,883.1	-369.7	974.7	885.8	88.93	10.961	
17,200.0	9,629.6	18,028.6	10,542.1	70.4	68.2	159.58	7,908.1	-369.7	974.8	885.6	89.16	10.933	
17,225.0	9,629.8	18,053.6	10,542.4	70.6	68.4	159.58	7,933.1	-369.7	974.8	885.4	89.38	10.906	
17,250.0	9,630.0	18,078.6	10,542.7	70.8	68.6	159.58	7,958.1	-369.7	974.9	885.3	89.61	10.879	
17,275.0	9,630.2	18,103.6	10,542.9	71.0	68.8	159.58	7,983.1	-369.8	974.9	885.1	89.84	10.851	
17,300.0	9,630.4	18,128.6	10,543.2	71.2	69.1	159.58	8,008.0	-369.8	975.0	884.9	90.07	10.824	
17,325.0	9,630.6	18,153.6	10,543.4	71.4	69.3	159.58	8,033.0	-369.8	975.1	884.7	90.30	10.797	
17,350.0	9,630.8	18,178.6	10,543.7	71.6	69.5	159.59	8,058.0	-369.9	975.1	884.6	90.53	10.771	
17,375.0	9,631.0	18,203.6	10,544.0	71.8	69.7	159.59	8,083.0	-369.9	975.2	884.4	90.76	10.744	
17,400.0	9,631.2	18,228.6	10,544.2	72.0	69.9	159.59	8,108.0	-369.9	975.2	884.2	90.99	10.717	
17,425.0	9,631.4	18,253.6	10,544.5	72.2	70.1	159.59	8,133.0	-369.9	975.3	884.1	91.23	10.691	
17,450.0	9,631.6	18,278.6	10,544.8	72.4	70.3	159.59	8,158.0	-370.0	975.3	883.9	91.46	10.665	
17,475.0	9,631.8	18,303.6	10,545.0	72.6	70.5	159.59	8,183.0	-370.0	975.4	883.7	91.69	10.638	
17,500.0	9,632.0	18,328.6	10,545.3	72.8	70.7	159.59	8,208.0	-370.0	975.5	883.5	91.92	10.612	
17,525.0	9,632.2	18,353.6	10,545.5	73.0	70.9	159.59	8,233.0	-370.1	975.5	883.4	92.15	10.586	
17,550.0	9,632.4	18,378.6	10,545.8	73.2	71.1	159.60	8,258.0	-370.1	975.6	883.2	92.38	10.560	
17,575.0	9,632.6	18,403.6	10,546.1	73.4	71.4	159.60	8,283.0	-370.1	975.6	883.0	92.61	10.535	
17,600.0	9,632.8	18,428.6	10,546.3	73.7	71.6	159.60	8,308.0	-370.1	975.7	882.8	92.84	10.509	
17,625.0	9,633.0	18,453.6	10,546.6	73.9	71.8	159.60	8,333.0	-370.2	975.7	882.7	93.07	10.483	
17,650.0	9,633.2	18,478.6	10,546.8	74.1	72.0	159.60	8,358.0	-370.2	975.8	882.5	93.31	10.458	
17,675.0	9,633.4	18,503.6	10,547.1	74.3	72.2	159.60	8,383.0	-370.2	975.8	882.3	93.54	10.433	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
17,700.0	9,633.6	18,528.6	10,547.4	74.5	72.4	159.60	8,408.0	-370.3	975.9	882.1	93.77	10.408	
17,725.0	9,633.8	18,553.6	10,547.6	74.7	72.6	159.60	8,433.0	-370.3	976.0	882.0	94.00	10.382	
17,750.0	9,634.0	18,578.6	10,547.9	74.9	72.8	159.61	8,458.0	-370.3	976.0	881.8	94.23	10.358	
17,775.0	9,634.2	18,603.6	10,548.1	75.1	73.0	159.61	8,483.0	-370.4	976.1	881.6	94.46	10.333	
17,800.0	9,634.4	18,628.6	10,548.4	75.3	73.2	159.61	8,508.0	-370.4	976.1	881.4	94.70	10.308	
17,825.0	9,634.6	18,653.6	10,548.7	75.5	73.5	159.61	8,533.0	-370.4	976.2	881.3	94.93	10.283	
17,850.0	9,634.8	18,678.6	10,548.9	75.7	73.7	159.61	8,558.0	-370.4	976.2	881.1	95.16	10.259	
17,875.0	9,635.0	18,703.6	10,549.2	75.9	73.9	159.61	8,583.0	-370.5	976.3	880.9	95.39	10.234	
17,900.0	9,635.2	18,728.6	10,549.5	76.1	74.1	159.61	8,608.0	-370.5	976.4	880.7	95.63	10.210	
17,925.0	9,635.4	18,753.6	10,549.7	76.3	74.3	159.61	8,633.0	-370.5	976.4	880.6	95.86	10.186	
17,950.0	9,635.6	18,778.6	10,550.0	76.5	74.5	159.62	8,658.0	-370.6	976.5	880.4	96.09	10.162	
17,975.0	9,635.8	18,803.6	10,550.2	76.7	74.7	159.62	8,683.0	-370.6	976.5	880.2	96.33	10.138	
18,000.0	9,636.0	18,828.6	10,550.5	76.9	74.9	159.62	8,708.0	-370.6	976.6	880.0	96.56	10.114	
18,025.0	9,636.2	18,853.6	10,550.8	77.1	75.1	159.62	8,733.0	-370.6	976.6	879.8	96.79	10.090	
18,050.0	9,636.4	18,878.6	10,551.0	77.3	75.3	159.62	8,758.0	-370.7	976.7	879.7	97.03	10.066	
18,075.0	9,636.6	18,903.6	10,551.3	77.6	75.6	159.62	8,783.0	-370.7	976.8	879.5	97.26	10.043	
18,100.0	9,636.8	18,928.6	10,551.5	77.8	75.8	159.62	8,808.0	-370.7	976.8	879.3	97.49	10.019	
18,125.0	9,637.0	18,953.6	10,551.8	78.0	76.0	159.62	8,833.0	-370.8	976.9	879.1	97.73	9.996	
18,150.0	9,637.2	18,978.6	10,552.1	78.2	76.2	159.63	8,858.0	-370.8	976.9	879.0	97.96	9.973	
18,175.0	9,637.4	19,003.6	10,552.3	78.4	76.4	159.63	8,883.0	-370.8	977.0	878.8	98.19	9.949	
18,200.0	9,637.6	19,028.6	10,552.6	78.6	76.6	159.63	8,908.0	-370.9	977.0	878.6	98.43	9.926	
18,225.0	9,637.8	19,053.6	10,552.9	78.8	76.8	159.63	8,933.0	-370.9	977.1	878.4	98.66	9.903	
18,250.0	9,638.0	19,078.6	10,553.1	79.0	77.0	159.63	8,958.0	-370.9	977.1	878.3	98.90	9.881	
18,275.0	9,638.2	19,103.6	10,553.4	79.2	77.2	159.63	8,983.0	-370.9	977.2	878.1	99.13	9.858	
18,300.0	9,638.4	19,128.6	10,553.6	79.4	77.5	159.63	9,008.0	-371.0	977.3	877.9	99.36	9.835	
18,325.0	9,638.6	19,153.6	10,553.9	79.6	77.7	159.63	9,033.0	-371.0	977.3	877.7	99.60	9.813	
18,350.0	9,638.8	19,178.6	10,554.2	79.8	77.9	159.64	9,058.0	-371.0	977.4	877.5	99.83	9.790	
18,375.0	9,639.0	19,203.6	10,554.4	80.0	78.1	159.64	9,083.0	-371.1	977.4	877.4	100.07	9.768	
18,400.0	9,639.2	19,228.6	10,554.7	80.2	78.3	159.64	9,108.0	-371.1	977.5	877.2	100.30	9.745	
18,425.0	9,639.4	19,253.6	10,554.9	80.4	78.5	159.64	9,133.0	-371.1	977.5	877.0	100.54	9.723	
18,450.0	9,639.6	19,278.6	10,555.2	80.6	78.7	159.64	9,158.0	-371.1	977.6	876.8	100.77	9.701	
18,475.0	9,639.8	19,303.6	10,555.5	80.9	78.9	159.64	9,183.0	-371.2	977.7	876.7	101.01	9.679	
18,500.0	9,640.0	19,328.6	10,555.7	81.1	79.1	159.64	9,208.0	-371.2	977.7	876.5	101.24	9.657	
18,525.0	9,640.2	19,353.6	10,556.0	81.3	79.3	159.64	9,233.0	-371.2	977.8	876.3	101.48	9.635	
18,550.0	9,640.4	19,378.6	10,556.3	81.5	79.6	159.65	9,258.0	-371.3	977.8	876.1	101.71	9.614	
18,575.0	9,640.6	19,403.6	10,556.5	81.7	79.8	159.65	9,283.0	-371.3	977.9	875.9	101.95	9.592	
18,600.0	9,640.8	19,428.6	10,556.8	81.9	80.0	159.65	9,308.0	-371.3	977.9	875.8	102.18	9.570	
18,625.0	9,641.0	19,453.6	10,557.0	82.1	80.2	159.65	9,333.0	-371.3	978.0	875.6	102.42	9.549	
18,650.0	9,641.2	19,478.6	10,557.3	82.3	80.4	159.65	9,358.0	-371.4	978.1	875.4	102.66	9.528	
18,675.0	9,641.4	19,503.6	10,557.6	82.5	80.6	159.65	9,383.0	-371.4	978.1	875.2	102.89	9.506	
18,700.0	9,641.6	19,528.6	10,557.8	82.7	80.8	159.65	9,408.0	-371.4	978.2	875.0	103.13	9.485	
18,725.0	9,641.8	19,553.6	10,558.1	82.9	81.0	159.65	9,433.0	-371.5	978.2	874.9	103.36	9.464	
18,750.0	9,642.0	19,578.6	10,558.3	83.1	81.2	159.66	9,458.0	-371.5	978.3	874.7	103.60	9.443	
18,775.0	9,642.2	19,603.6	10,558.6	83.3	81.5	159.66	9,483.0	-371.5	978.3	874.5	103.83	9.422	
18,800.0	9,642.4	19,628.6	10,558.9	83.5	81.7	159.66	9,508.0	-371.6	978.4	874.3	104.07	9.401	
18,825.0	9,642.6	19,653.6	10,559.1	83.7	81.9	159.66	9,533.0	-371.6	978.5	874.1	104.31	9.381	
18,850.0	9,642.8	19,678.6	10,559.4	84.0	82.1	159.66	9,558.0	-371.6	978.5	874.0	104.54	9.360	
18,875.0	9,643.0	19,703.6	10,559.6	84.2	82.3	159.66	9,583.0	-371.6	978.6	873.8	104.78	9.339	
18,900.0	9,643.2	19,728.6	10,559.9	84.4	82.5	159.66	9,608.0	-371.7	978.6	873.6	105.02	9.319	
18,925.0	9,643.4	19,753.6	10,560.2	84.6	82.7	159.66	9,633.0	-371.7	978.7	873.4	105.25	9.298	
18,950.0	9,643.6	19,778.6	10,560.4	84.8	82.9	159.67	9,658.0	-371.7	978.7	873.2	105.49	9.278	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
18,975.0	9,643.8	19,803.6	10,560.7	85.0	83.1	159.67	9,683.0	-371.8	978.8	873.1	105.73	9.258	
19,000.0	9,644.0	19,828.6	10,561.0	85.2	83.4	159.67	9,708.0	-371.8	978.8	872.9	105.96	9.238	
19,025.0	9,644.2	19,853.6	10,561.2	85.4	83.6	159.67	9,732.9	-371.8	978.9	872.7	106.20	9.218	
19,050.0	9,644.4	19,878.6	10,561.5	85.6	83.8	159.67	9,757.9	-371.8	979.0	872.5	106.44	9.198	
19,075.0	9,644.6	19,903.6	10,561.7	85.8	84.0	159.67	9,782.9	-371.9	979.0	872.3	106.67	9.178	
19,100.0	9,644.8	19,928.6	10,562.0	86.0	84.2	159.67	9,807.9	-371.9	979.1	872.2	106.91	9.158	
19,125.0	9,645.0	19,953.6	10,562.3	86.2	84.4	159.67	9,832.9	-371.9	979.1	872.0	107.15	9.138	
19,150.0	9,645.2	19,978.6	10,562.5	86.4	84.6	159.68	9,857.9	-372.0	979.2	871.8	107.38	9.119	
19,175.0	9,645.4	20,003.6	10,562.8	86.6	84.8	159.68	9,882.9	-372.0	979.2	871.6	107.62	9.099	
19,200.0	9,645.6	20,028.6	10,563.0	86.9	85.0	159.68	9,907.9	-372.0	979.3	871.4	107.86	9.080	
19,225.0	9,645.8	20,053.6	10,563.3	87.1	85.3	159.68	9,932.9	-372.1	979.4	871.3	108.10	9.060	
19,250.0	9,646.0	20,078.6	10,563.6	87.3	85.5	159.68	9,957.9	-372.1	979.4	871.1	108.33	9.041	
19,275.0	9,646.3	20,103.6	10,563.8	87.5	85.7	159.68	9,982.9	-372.1	979.5	870.9	108.57	9.021	
19,300.0	9,646.5	20,128.6	10,564.1	87.7	85.9	159.68	10,007.9	-372.1	979.5	870.7	108.81	9.002	
19,325.0	9,646.7	20,153.6	10,564.4	87.9	86.1	159.68	10,032.9	-372.2	979.6	870.5	109.05	8.983	
19,350.0	9,646.9	20,178.6	10,564.6	88.1	86.3	159.69	10,057.9	-372.2	979.6	870.4	109.28	8.964	
19,375.0	9,647.1	20,203.6	10,564.9	88.3	86.5	159.69	10,082.9	-372.2	979.7	870.2	109.52	8.945	
19,400.0	9,647.3	20,228.6	10,565.1	88.5	86.7	159.69	10,107.9	-372.3	979.8	870.0	109.76	8.926	
19,425.0	9,647.5	20,253.6	10,565.4	88.7	86.9	159.69	10,132.9	-372.3	979.8	869.8	110.00	8.908	
19,450.0	9,647.7	20,278.6	10,565.7	88.9	87.2	159.69	10,157.9	-372.3	979.9	869.6	110.24	8.889	
19,475.0	9,647.9	20,303.6	10,565.9	89.1	87.4	159.69	10,182.9	-372.3	979.9	869.5	110.47	8.870	
19,500.0	9,648.1	20,328.6	10,566.2	89.3	87.6	159.69	10,207.9	-372.4	980.0	869.3	110.71	8.852	
19,525.0	9,648.3	20,353.6	10,566.4	89.6	87.8	159.69	10,232.9	-372.4	980.0	869.1	110.95	8.833	
19,550.0	9,648.5	20,378.6	10,566.7	89.8	88.0	159.70	10,257.9	-372.4	980.1	868.9	111.19	8.815	
19,575.0	9,648.7	20,403.6	10,567.0	90.0	88.2	159.70	10,282.9	-372.5	980.2	868.7	111.43	8.796	
19,600.0	9,648.9	20,428.6	10,567.2	90.2	88.4	159.70	10,307.9	-372.5	980.2	868.5	111.67	8.778	
19,625.0	9,649.1	20,453.6	10,567.5	90.4	88.6	159.70	10,332.9	-372.5	980.3	868.4	111.90	8.760	
19,650.0	9,649.3	20,478.6	10,567.8	90.6	88.8	159.70	10,357.9	-372.5	980.3	868.2	112.14	8.742	
19,675.0	9,649.5	20,503.6	10,568.0	90.8	89.1	159.70	10,382.9	-372.6	980.4	868.0	112.38	8.724	
19,700.0	9,649.7	20,528.6	10,568.3	91.0	89.3	159.70	10,407.9	-372.6	980.4	867.8	112.62	8.706	
19,725.0	9,649.9	20,553.6	10,568.5	91.2	89.5	159.70	10,432.9	-372.6	980.5	867.6	112.86	8.688	
19,750.0	9,650.1	20,578.6	10,568.8	91.4	89.7	159.71	10,457.9	-372.7	980.6	867.5	113.10	8.670	
19,775.0	9,650.3	20,603.6	10,569.1	91.6	89.9	159.71	10,482.9	-372.7	980.6	867.3	113.34	8.652	
19,800.0	9,650.5	20,628.6	10,569.3	91.8	90.1	159.71	10,507.9	-372.7	980.7	867.1	113.58	8.634	
19,825.0	9,650.7	20,653.6	10,569.6	92.0	90.3	159.71	10,532.9	-372.8	980.7	866.9	113.81	8.617	
19,850.0	9,650.9	20,678.6	10,569.8	92.3	90.5	159.71	10,557.9	-372.8	980.8	866.7	114.05	8.599	
19,866.3	9,651.0	20,694.2	10,570.0	92.4	90.7	159.71	10,573.5	-372.8	980.8	866.6	114.20	8.589	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-84.63	18.8	-200.1	201.0				
25.0	25.0	24.0	24.0	0.5	0.1	-84.63	18.8	-200.1	201.0				
50.0	50.0	49.0	49.0	0.5	0.3	-84.63	18.8	-200.1	201.0	199.7	1.27	158.116	
75.0	75.0	74.0	74.0	0.5	0.4	-84.63	18.8	-200.1	201.0	199.6	1.36	147.363	
100.0	100.0	99.0	99.0	0.5	0.5	-84.63	18.8	-200.1	201.0	199.5	1.48	135.810	
125.0	125.0	124.0	124.0	0.6	0.6	-84.63	18.8	-200.1	201.0	199.3	1.73	116.458	
150.0	150.0	149.0	149.0	0.8	0.8	-84.63	18.8	-200.1	201.0	199.0	1.97	101.940	
175.0	175.0	174.0	174.0	0.9	0.9	-84.63	18.8	-200.1	201.0	198.8	2.22	90.640	
200.0	200.0	199.0	199.0	1.0	1.0	-84.63	18.8	-200.1	201.0	198.5	2.46	81.595	
225.0	225.0	224.0	224.0	1.1	1.1	-84.63	18.8	-200.1	201.0	198.4	2.62	76.582	
250.0	250.0	249.0	249.0	1.2	1.2	-84.63	18.8	-200.1	201.0	198.2	2.78	72.194	
275.0	275.0	274.0	274.0	1.3	1.3	-84.63	18.8	-200.1	201.0	198.0	2.94	68.282	
300.0	300.0	299.0	299.0	1.4	1.4	-84.63	18.8	-200.1	201.0	197.9	3.10	64.771	
325.0	325.0	324.0	324.0	1.4	1.4	-84.63	18.8	-200.1	201.0	197.7	3.23	62.198	
350.0	350.0	349.0	349.0	1.5	1.5	-84.63	18.8	-200.1	201.0	197.6	3.36	59.832	
375.0	375.0	374.0	374.0	1.6	1.6	-84.63	18.8	-200.1	201.0	197.5	3.49	57.640	
400.0	400.0	399.0	399.0	1.6	1.6	-84.63	18.8	-200.1	201.0	197.4	3.61	55.603	
425.0	425.0	424.0	424.0	1.7	1.7	-84.63	18.8	-200.1	201.0	197.3	3.72	53.960	
450.0	450.0	449.0	449.0	1.8	1.8	-84.63	18.8	-200.1	201.0	197.1	3.83	52.416	
475.0	475.0	474.0	474.0	1.8	1.8	-84.63	18.8	-200.1	201.0	197.0	3.94	50.958	
500.0	500.0	499.0	499.0	1.9	1.9	-84.63	18.8	-200.1	201.0	196.9	4.05	49.578	
525.0	525.0	524.0	524.0	1.9	1.9	-84.63	18.8	-200.1	201.0	196.8	4.15	48.409	
550.0	550.0	549.0	549.0	2.0	2.0	-84.63	18.8	-200.1	201.0	196.7	4.25	47.296	
575.0	575.0	574.0	574.0	2.1	2.1	-84.63	18.8	-200.1	201.0	196.6	4.35	46.234	
600.0	600.0	599.0	599.0	2.1	2.1	-84.63	18.8	-200.1	201.0	196.5	4.44	45.218	
625.0	625.0	624.0	624.0	2.2	2.2	-84.63	18.8	-200.1	201.0	196.4	4.53	44.329	
650.0	650.0	649.0	649.0	2.2	2.2	-84.63	18.8	-200.1	201.0	196.4	4.62	43.477	
675.0	675.0	674.0	674.0	2.3	2.3	-84.63	18.8	-200.1	201.0	196.3	4.71	42.656	
700.0	700.0	699.0	699.0	2.3	2.3	-84.63	18.8	-200.1	201.0	196.2	4.80	41.866	
725.0	725.0	724.0	724.0	2.4	2.4	-84.63	18.8	-200.1	201.0	196.1	4.88	41.161	
750.0	750.0	749.0	749.0	2.4	2.4	-84.63	18.8	-200.1	201.0	196.0	4.97	40.479	
775.0	775.0	774.0	774.0	2.5	2.5	-84.63	18.8	-200.1	201.0	195.9	5.05	39.821	
800.0	800.0	799.0	799.0	2.5	2.5	-84.63	18.8	-200.1	201.0	195.9	5.13	39.183	
825.0	825.0	824.0	824.0	2.6	2.6	-84.63	18.8	-200.1	201.0	195.8	5.21	38.604	
850.0	850.0	849.0	849.0	2.6	2.6	-84.63	18.8	-200.1	201.0	195.7	5.28	38.044	
875.0	875.0	874.0	874.0	2.6	2.6	-84.63	18.8	-200.1	201.0	195.6	5.36	37.499	
900.0	900.0	899.0	899.0	2.7	2.7	-84.63	18.8	-200.1	201.0	195.5	5.44	36.969	
925.0	925.0	924.0	924.0	2.7	2.7	-84.63	18.8	-200.1	201.0	195.5	5.51	36.484	
950.0	950.0	949.0	949.0	2.8	2.8	-84.63	18.8	-200.1	201.0	195.4	5.58	36.011	
975.0	975.0	974.0	974.0	2.8	2.8	-84.63	18.8	-200.1	201.0	195.3	5.65	35.551	
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-84.63	18.8	-200.1	201.0	195.3	5.73	35.102	
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-84.63	18.8	-200.1	201.0	195.2	5.79	34.686	
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-84.63	18.8	-200.1	201.0	195.1	5.86	34.281	
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-84.63	18.8	-200.1	201.0	195.0	5.93	33.885	
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-84.63	18.8	-200.1	201.0	195.0	6.00	33.498	
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-84.63	18.8	-200.1	201.0	194.9	6.07	33.137	
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-84.63	18.8	-200.1	201.0	194.9	6.13	32.784	
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-84.63	18.8	-200.1	201.0	194.8	6.20	32.438	
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-84.63	18.8	-200.1	201.0	194.7	6.26	32.100	
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-84.63	18.8	-200.1	201.0	194.7	6.32	31.783	
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-84.63	18.8	-200.1	201.0	194.6	6.39	31.472	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-84.63	18.8	-200.1	201.0	194.5	6.45	31.167	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-84.63	18.8	-200.1	201.0	194.5	6.51	30.868	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-84.63	18.8	-200.1	201.0	194.4	6.57	30.585	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-84.63	18.8	-200.1	201.0	194.4	6.63	30.309	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-84.63	18.8	-200.1	201.0	194.3	6.69	30.037	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-84.63	18.8	-200.1	201.0	194.2	6.75	29.770	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-84.63	18.8	-200.1	201.0	194.2	6.81	29.517	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-84.63	18.8	-200.1	201.0	194.1	6.87	29.268	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-84.63	18.8	-200.1	201.0	194.1	6.92	29.024	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-84.63	18.8	-200.1	201.0	194.0	6.98	28.783	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-84.63	18.8	-200.1	201.0	193.9	7.04	28.555	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-84.63	18.8	-200.1	201.0	193.9	7.09	28.330	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-84.63	18.8	-200.1	201.0	193.8	7.15	28.109	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-84.63	18.8	-200.1	201.0	193.8	7.21	27.891	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-84.63	18.8	-200.1	201.0	193.7	7.26	27.683	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-84.63	18.8	-200.1	201.0	193.7	7.31	27.478	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-84.63	18.8	-200.1	201.0	193.6	7.37	27.277	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-84.63	18.8	-200.1	201.0	193.6	7.42	27.078	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-84.63	18.8	-200.1	201.0	193.5	7.47	26.888	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-84.63	18.8	-200.1	201.0	193.5	7.53	26.701	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-84.63	18.8	-200.1	201.0	193.4	7.58	26.516	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-84.63	18.8	-200.1	201.0	193.3	7.63	26.334	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-84.63	18.8	-200.1	201.0	193.3	7.68	26.159	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-84.63	18.8	-200.1	201.0	193.2	7.73	25.986	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-84.63	18.8	-200.1	201.0	193.2	7.79	25.816	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-84.63	18.8	-200.1	201.0	193.1	7.84	25.648	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-84.63	18.8	-200.1	201.0	193.1	7.89	25.487	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-84.63	18.8	-200.1	201.0	193.0	7.94	25.327	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-84.63	18.8	-200.1	201.0	193.0	7.98	25.170	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-84.63	18.8	-200.1	201.0	192.9	8.03	25.015	
2,025.0	2,025.0	2,022.4	2,022.4	4.4	4.4	-6.81	18.8	-200.2	201.0	192.8	8.14	24.695	
2,050.0	2,050.0	2,045.8	2,045.8	4.5	4.5	-6.82	18.9	-200.5	200.9	192.7	8.24	24.376	
2,075.0	2,075.0	2,069.2	2,069.2	4.5	4.5	-6.83	18.9	-200.9	200.9	192.5	8.35	24.063	
2,100.0	2,100.0	2,092.5	2,092.5	4.5	4.5	-6.84	19.0	-201.6	200.8	192.4	8.45	23.756	
2,125.0	2,125.0	2,115.9	2,115.9	4.6	4.6	-6.86	19.2	-202.4	200.8	192.2	8.60	23.354	
2,150.0	2,149.9	2,139.3	2,139.2	4.6	4.6	-6.88	19.3	-203.4	200.7	192.0	8.75	22.946	
2,175.0	2,174.9	2,162.6	2,162.5	4.7	4.6	-6.90	19.5	-204.7	200.6	191.7	8.90	22.551	
2,200.0	2,199.8	2,186.0	2,185.9	4.7	4.7	-6.93	19.7	-206.1	200.5	191.5	9.04	22.168	
2,225.0	2,224.8	2,209.4	2,209.2	4.7	4.7	-6.97	19.9	-207.7	200.4	191.2	9.20	21.788	
2,250.0	2,249.7	2,232.7	2,232.5	4.8	4.7	-7.00	20.2	-209.4	200.2	190.9	9.35	21.416	
2,275.0	2,274.6	2,256.1	2,255.7	4.8	4.8	-7.04	20.5	-211.4	200.1	190.6	9.50	21.056	
2,300.0	2,299.5	2,279.5	2,279.0	4.9	4.8	-7.09	20.8	-213.6	199.9	190.3	9.66	20.706	
2,323.5	2,322.8	2,300.0	2,299.5	4.9	4.9	-7.13	21.2	-215.6	199.8	190.0	9.80	20.395	
2,325.0	2,324.3	2,300.0	2,299.5	4.9	4.9	-7.13	21.2	-215.6	199.8	190.0	9.80	20.393	
2,350.0	2,349.1	2,326.2	2,325.5	5.0	4.9	-7.19	21.6	-218.4	199.6	189.6	9.97	20.010	
2,375.0	2,373.9	2,349.6	2,348.7	5.1	5.0	-7.25	22.0	-221.2	199.4	189.3	10.13	19.677	
2,400.0	2,398.7	2,373.0	2,371.9	5.1	5.0	-7.31	22.4	-224.1	199.2	188.9	10.29	19.353	
2,425.0	2,423.4	2,396.3	2,395.1	5.2	5.1	-7.37	22.9	-227.2	199.0	188.5	10.46	19.030	
2,450.0	2,448.2	2,419.7	2,418.2	5.3	5.2	-7.44	23.4	-230.4	198.7	188.1	10.62	18.710	
2,475.0	2,472.8	2,443.1	2,441.3	5.4	5.2	-7.51	23.9	-233.9	198.5	187.7	10.79	18.398	
2,500.0	2,497.5	2,466.5	2,464.4	5.5	5.3	-7.59	24.5	-237.6	198.2	187.3	10.96	18.093	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,522.1	2,489.9	2,487.5	5.5	5.4	-7.67	25.1	-241.4	198.0	186.9	11.10	17.828	
2,550.0	2,546.6	2,514.2	2,511.4	5.6	5.5	-7.76	25.7	-245.6	197.6	186.4	11.25	17.570	
2,575.0	2,571.1	2,539.1	2,536.0	5.7	5.5	-7.86	26.3	-249.8	197.1	185.7	11.39	17.306	
2,600.0	2,595.6	2,564.1	2,560.6	5.7	5.6	-7.96	27.0	-254.1	196.5	185.0	11.51	17.067	
2,625.0	2,620.1	2,589.1	2,585.2	5.8	5.7	-8.07	27.6	-258.4	195.9	184.2	11.67	16.791	
2,650.0	2,644.6	2,614.1	2,609.8	5.9	5.8	-8.17	28.3	-262.7	195.3	183.5	11.82	16.517	
2,675.0	2,669.1	2,639.1	2,634.5	5.9	5.8	-8.28	28.9	-267.0	194.7	182.7	11.98	16.248	
2,700.0	2,693.6	2,664.1	2,659.1	6.0	5.9	-8.39	29.6	-271.3	194.0	181.9	12.14	15.985	
2,725.0	2,718.1	2,689.1	2,683.7	6.1	6.0	-8.50	30.2	-275.6	193.4	181.1	12.30	15.727	
2,750.0	2,742.6	2,714.1	2,708.3	6.2	6.1	-8.60	30.9	-279.9	192.8	180.3	12.46	15.472	
2,775.0	2,767.1	2,739.1	2,732.9	6.3	6.1	-8.71	31.5	-284.2	192.2	179.6	12.63	15.221	
2,800.0	2,791.6	2,764.1	2,757.5	6.4	6.2	-8.82	32.2	-288.5	191.6	178.8	12.79	14.977	
2,825.0	2,816.1	2,789.0	2,782.1	6.4	6.3	-8.93	32.8	-292.8	191.0	178.0	12.96	14.735	
2,850.0	2,840.6	2,814.0	2,806.7	6.5	6.4	-9.04	33.5	-297.0	190.4	177.2	13.13	14.497	
2,875.0	2,865.1	2,839.0	2,831.3	6.6	6.5	-9.16	34.1	-301.3	189.7	176.4	13.30	14.263	
2,900.0	2,889.6	2,864.0	2,856.0	6.7	6.6	-9.27	34.8	-305.6	189.1	175.7	13.48	14.036	
2,925.0	2,914.1	2,889.0	2,880.6	6.8	6.6	-9.38	35.4	-309.9	188.5	174.9	13.65	13.810	
2,950.0	2,938.6	2,914.0	2,905.2	6.9	6.7	-9.50	36.1	-314.2	187.9	174.1	13.83	13.589	
2,975.0	2,963.1	2,939.0	2,929.8	7.0	6.8	-9.61	36.7	-318.5	187.3	173.3	14.01	13.373	
3,000.0	2,987.6	2,964.0	2,954.4	7.1	6.9	-9.73	37.4	-322.8	186.7	172.5	14.18	13.162	
3,025.0	3,012.1	2,989.0	2,979.0	7.2	7.0	-9.84	38.0	-327.1	186.1	171.7	14.37	12.954	
3,050.0	3,036.6	3,014.0	3,003.6	7.2	7.1	-9.96	38.7	-331.4	185.5	170.9	14.55	12.749	
3,075.0	3,061.1	3,038.9	3,028.2	7.3	7.2	-10.08	39.3	-335.7	184.9	170.1	14.73	12.550	
3,100.0	3,085.6	3,063.9	3,052.8	7.4	7.3	-10.20	40.0	-339.9	184.3	169.4	14.91	12.355	
3,125.0	3,110.1	3,088.9	3,077.4	7.5	7.4	-10.32	40.6	-344.2	183.7	168.6	15.10	12.163	
3,150.0	3,134.6	3,113.9	3,102.1	7.6	7.4	-10.44	41.3	-348.5	183.1	167.8	15.29	11.974	
3,175.0	3,159.1	3,138.9	3,126.7	7.7	7.5	-10.56	41.9	-352.8	182.5	167.0	15.48	11.790	
3,200.0	3,183.6	3,163.9	3,151.3	7.8	7.6	-10.68	42.6	-357.1	181.9	166.2	15.66	11.610	
3,225.0	3,208.1	3,188.9	3,175.9	7.9	7.7	-10.80	43.2	-361.4	181.3	165.4	15.85	11.434	
3,250.0	3,232.6	3,213.9	3,200.5	8.0	7.8	-10.92	43.9	-365.7	180.7	164.6	16.04	11.260	
3,275.0	3,257.1	3,238.9	3,225.1	8.1	7.9	-11.05	44.5	-370.0	180.1	163.8	16.23	11.091	
3,300.0	3,281.6	3,263.9	3,249.7	8.2	8.0	-11.17	45.2	-374.3	179.5	163.0	16.43	10.925	
3,325.0	3,306.1	3,288.8	3,274.3	8.3	8.1	-11.30	45.8	-378.6	178.9	162.2	16.62	10.762	
3,350.0	3,330.6	3,313.8	3,298.9	8.4	8.2	-11.43	46.5	-382.8	178.3	161.4	16.81	10.603	
3,375.0	3,355.1	3,338.8	3,323.5	8.5	8.3	-11.55	47.1	-387.1	177.7	160.7	17.01	10.447	
3,400.0	3,379.6	3,363.8	3,348.2	8.6	8.4	-11.68	47.8	-391.4	177.1	159.9	17.20	10.295	
3,425.0	3,404.1	3,388.8	3,372.8	8.7	8.5	-11.81	48.4	-395.7	176.5	159.1	17.40	10.145	
3,450.0	3,428.6	3,413.8	3,397.4	8.8	8.6	-11.94	49.1	-400.0	175.9	158.3	17.59	9.998	
3,475.0	3,453.1	3,438.8	3,422.0	8.9	8.7	-12.07	49.7	-404.3	175.3	157.5	17.79	9.854	
3,500.0	3,477.6	3,463.8	3,446.6	9.0	8.8	-12.20	50.4	-408.6	174.7	156.7	17.98	9.714	
3,525.0	3,502.1	3,488.8	3,471.2	9.1	8.9	-12.34	51.0	-412.9	174.1	155.9	18.18	9.576	
3,550.0	3,526.6	3,513.7	3,495.8	9.2	9.0	-12.47	51.7	-417.2	173.5	155.1	18.38	9.441	
3,575.0	3,551.1	3,538.7	3,520.4	9.3	9.1	-12.61	52.3	-421.5	172.9	154.3	18.58	9.308	
3,600.0	3,575.6	3,563.7	3,545.0	9.4	9.2	-12.74	53.0	-425.7	172.3	153.6	18.78	9.179	
3,625.0	3,600.1	3,588.7	3,569.6	9.5	9.3	-12.88	53.6	-430.0	171.8	152.8	18.97	9.052	
3,650.0	3,624.6	3,613.7	3,594.3	9.6	9.4	-13.02	54.3	-434.3	171.2	152.0	19.17	8.927	
3,675.0	3,649.1	3,638.7	3,618.9	9.8	9.5	-13.15	54.9	-438.6	170.6	151.2	19.37	8.805	
3,700.0	3,673.6	3,663.7	3,643.5	9.9	9.6	-13.29	55.6	-442.9	170.0	150.4	19.57	8.686	
3,725.0	3,698.1	3,688.7	3,668.1	10.0	9.7	-13.43	56.2	-447.2	169.4	149.6	19.77	8.568	
3,750.0	3,722.6	3,713.7	3,692.7	10.1	9.8	-13.57	56.9	-451.5	168.8	148.9	19.97	8.453	
3,775.0	3,747.1	3,738.7	3,717.3	10.2	9.9	-13.72	57.5	-455.8	168.3	148.1	20.17	8.341	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10325-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,771.6	3,763.6	3,741.9	10.3	10.0	-13.86	58.2	-460.1	167.7	147.3	20.37	8.230	
3,825.0	3,796.1	3,788.6	3,766.5	10.4	10.1	-14.00	58.8	-464.4	167.1	146.5	20.57	8.122	
3,850.0	3,820.6	3,813.6	3,791.1	10.5	10.2	-14.15	59.5	-468.6	166.5	145.7	20.77	8.015	
3,875.0	3,845.1	3,838.6	3,815.7	10.6	10.3	-14.30	60.1	-472.9	165.9	145.0	20.98	7.911	
3,900.0	3,869.5	3,863.6	3,840.4	10.7	10.4	-14.44	60.8	-477.2	165.4	144.2	21.18	7.809	
3,925.0	3,894.0	3,888.6	3,865.0	10.8	10.5	-14.59	61.4	-481.5	164.8	143.4	21.38	7.709	
3,950.0	3,918.5	3,913.6	3,889.6	10.9	10.6	-14.74	62.1	-485.8	164.2	142.6	21.58	7.610	
3,975.0	3,943.0	3,938.6	3,914.2	11.0	10.7	-14.89	62.7	-490.1	163.6	141.9	21.78	7.513	
4,000.0	3,967.5	3,963.6	3,938.8	11.1	10.8	-15.04	63.4	-494.4	163.1	141.1	21.98	7.419	
4,025.0	3,992.0	3,988.6	3,963.4	11.2	10.9	-15.19	64.0	-498.7	162.5	140.3	22.18	7.326	
4,050.0	4,016.5	4,013.5	3,988.0	11.4	11.0	-15.35	64.7	-503.0	161.9	139.6	22.38	7.235	
4,075.0	4,041.0	4,038.5	4,012.6	11.5	11.2	-15.50	65.3	-507.3	161.4	138.8	22.59	7.145	
4,100.0	4,065.5	4,063.5	4,037.2	11.6	11.3	-15.66	66.0	-511.5	160.8	138.0	22.79	7.057	
4,125.0	4,090.0	4,088.5	4,061.8	11.7	11.4	-15.81	66.6	-515.8	160.2	137.3	22.99	6.971	
4,150.0	4,114.5	4,113.5	4,086.5	11.8	11.5	-15.97	67.3	-520.1	159.7	136.5	23.19	6.886	
4,175.0	4,139.0	4,138.5	4,111.1	11.9	11.6	-16.13	67.9	-524.4	159.1	135.7	23.39	6.803	
4,200.0	4,163.5	4,163.5	4,135.7	12.0	11.7	-16.29	68.6	-528.7	158.5	135.0	23.59	6.721	
4,225.0	4,188.0	4,188.5	4,160.3	12.1	11.8	-16.45	69.2	-533.0	158.0	134.2	23.79	6.641	
4,250.0	4,212.5	4,213.5	4,184.9	12.2	11.9	-16.62	69.9	-537.3	157.4	133.4	23.99	6.562	
4,275.0	4,237.0	4,238.5	4,209.5	12.3	12.0	-16.78	70.5	-541.6	156.9	132.7	24.19	6.485	
4,300.0	4,261.5	4,263.4	4,234.1	12.4	12.1	-16.94	71.2	-545.9	156.3	131.9	24.39	6.409	
4,325.0	4,286.0	4,288.4	4,258.7	12.6	12.2	-17.11	71.8	-550.2	155.8	131.2	24.59	6.334	
4,350.0	4,310.5	4,313.4	4,283.3	12.7	12.3	-17.28	72.5	-554.4	155.2	130.4	24.79	6.261	
4,375.0	4,335.0	4,338.4	4,308.0	12.8	12.4	-17.45	73.1	-558.7	154.7	129.7	24.99	6.189	
4,400.0	4,359.5	4,363.4	4,332.6	12.9	12.5	-17.61	73.8	-563.0	154.1	128.9	25.19	6.118	
4,425.0	4,384.0	4,388.4	4,357.2	13.0	12.6	-17.79	74.4	-567.3	153.6	128.2	25.39	6.049	
4,450.0	4,408.5	4,413.4	4,381.8	13.1	12.7	-17.96	75.1	-571.6	153.0	127.4	25.58	5.980	
4,475.0	4,433.0	4,438.4	4,406.4	13.2	12.9	-18.13	75.7	-575.9	152.5	126.7	25.78	5.913	
4,500.0	4,457.5	4,463.4	4,431.0	13.3	13.0	-18.30	76.4	-580.2	151.9	125.9	25.98	5.847	
4,525.0	4,482.0	4,488.3	4,455.6	13.4	13.1	-18.48	77.0	-584.5	151.4	125.2	26.18	5.782	
4,550.0	4,506.5	4,513.3	4,480.2	13.6	13.2	-18.66	77.7	-588.8	150.8	124.5	26.38	5.719	
4,575.0	4,531.0	4,538.3	4,504.8	13.7	13.3	-18.84	78.3	-593.1	150.3	123.7	26.57	5.656	
4,600.0	4,555.5	4,563.3	4,529.4	13.8	13.4	-19.02	79.0	-597.3	149.7	123.0	26.77	5.594	
4,625.0	4,580.0	4,588.3	4,554.1	13.9	13.5	-19.20	79.6	-601.6	149.2	122.2	26.96	5.534	
4,650.0	4,604.5	4,613.3	4,578.7	14.0	13.6	-19.38	80.3	-605.9	148.7	121.5	27.16	5.474	
4,675.0	4,629.0	4,638.3	4,603.3	14.1	13.7	-19.56	80.9	-610.2	148.1	120.8	27.35	5.416	
4,700.0	4,653.5	4,663.3	4,627.9	14.2	13.8	-19.75	81.6	-614.5	147.6	120.1	27.55	5.358	
4,725.0	4,678.0	4,688.3	4,652.5	14.3	13.9	-19.93	82.2	-618.8	147.1	119.3	27.74	5.301	
4,750.0	4,702.5	4,713.3	4,677.1	14.5	14.0	-20.12	82.9	-623.1	146.5	118.6	27.94	5.246	
4,775.0	4,727.0	4,738.2	4,701.7	14.6	14.2	-20.31	83.5	-627.4	146.0	117.9	28.13	5.191	
4,800.0	4,751.5	4,763.2	4,726.3	14.7	14.3	-20.50	84.2	-631.7	145.5	117.2	28.32	5.137	
4,825.0	4,776.0	4,788.2	4,750.9	14.8	14.4	-20.69	84.8	-636.0	145.0	116.4	28.51	5.084	
4,850.0	4,800.5	4,813.2	4,775.5	14.9	14.5	-20.88	85.5	-640.2	144.4	115.7	28.70	5.032	
4,875.0	4,825.0	4,838.2	4,800.2	15.0	14.6	-21.08	86.1	-644.5	143.9	115.0	28.89	4.981	
4,900.0	4,849.5	4,863.2	4,824.8	15.1	14.7	-21.27	86.8	-648.8	143.4	114.3	29.08	4.930	
4,925.0	4,874.0	4,888.2	4,849.4	15.2	14.8	-21.47	87.4	-653.1	142.9	113.6	29.27	4.881	
4,950.0	4,898.5	4,913.2	4,874.0	15.4	14.9	-21.67	88.1	-657.4	142.4	112.9	29.46	4.832	
4,975.0	4,923.0	4,938.2	4,898.6	15.5	15.0	-21.87	88.7	-661.7	141.8	112.2	29.65	4.784	
5,000.0	4,947.5	4,963.2	4,923.2	15.6	15.1	-22.07	89.4	-666.0	141.3	111.5	29.84	4.737	
5,025.0	4,972.0	4,988.1	4,947.8	15.7	15.2	-22.27	90.0	-670.3	140.8	110.8	30.02	4.690	
5,050.0	4,996.5	5,013.1	4,972.4	15.8	15.3	-22.48	90.7	-674.6	140.3	110.1	30.21	4.644	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,021.0	5,038.1	4,997.0	15.9	15.5	-22.68	91.3	-678.9	139.8	109.4	30.39	4.599	
5,100.0	5,045.5	5,063.1	5,021.6	16.0	15.6	-22.89	92.0	-683.1	139.3	108.7	30.58	4.555	
5,125.0	5,070.0	5,088.1	5,046.3	16.1	15.7	-23.10	92.6	-687.4	138.8	108.0	30.76	4.511	
5,150.0	5,094.5	5,113.1	5,070.9	16.3	15.8	-23.31	93.3	-691.7	138.3	107.3	30.94	4.469	
5,175.0	5,119.0	5,138.1	5,095.5	16.4	15.9	-23.52	93.9	-696.0	137.8	106.6	31.13	4.426	
5,200.0	5,143.5	5,163.1	5,120.1	16.5	16.0	-23.74	94.6	-700.3	137.3	106.0	31.31	4.385	
5,225.0	5,168.0	5,188.1	5,144.7	16.6	16.1	-23.95	95.2	-704.6	136.8	105.3	31.49	4.344	
5,250.0	5,192.4	5,213.1	5,169.3	16.7	16.2	-24.17	95.9	-708.9	136.3	104.6	31.67	4.304	
5,275.0	5,216.9	5,238.0	5,193.9	16.8	16.3	-24.39	96.5	-713.2	135.8	103.9	31.84	4.264	
5,300.0	5,241.4	5,263.0	5,218.5	16.9	16.4	-24.61	97.2	-717.5	135.3	103.3	32.02	4.225	
5,325.0	5,265.9	5,288.0	5,243.1	17.1	16.6	-24.83	97.8	-721.7	134.8	102.6	32.20	4.187	
5,350.0	5,290.4	5,313.0	5,267.7	17.2	16.7	-25.05	98.5	-726.0	134.3	101.9	32.37	4.149	
5,375.0	5,314.9	5,338.0	5,292.4	17.3	16.8	-25.28	99.1	-730.3	133.8	101.3	32.55	4.112	
5,400.0	5,339.4	5,363.0	5,317.0	17.4	16.9	-25.50	99.8	-734.6	133.4	100.6	32.72	4.075	
5,425.0	5,363.9	5,388.0	5,341.6	17.5	17.0	-25.73	100.4	-738.9	132.9	100.0	32.89	4.039	
5,450.0	5,388.4	5,413.0	5,366.2	17.6	17.1	-25.96	101.1	-743.2	132.4	99.3	33.06	4.004	
5,475.0	5,412.9	5,438.0	5,390.8	17.7	17.2	-26.19	101.7	-747.5	131.9	98.7	33.23	3.969	
5,498.0	5,435.5	5,461.0	5,413.5	17.8	17.3	-26.41	102.3	-751.4	131.5	98.1	33.39	3.938	
5,500.0	5,437.4	5,462.9	5,415.4	17.8	17.3	-26.42	102.4	-751.8	131.4	98.0	33.40	3.935	
5,525.0	5,461.9	5,487.9	5,440.0	18.0	17.4	-26.64	103.0	-756.1	131.0	97.4	33.61	3.899	
5,550.0	5,486.5	5,512.9	5,464.6	18.1	17.6	-26.82	103.7	-760.4	130.8	97.0	33.82	3.867	
5,575.0	5,511.1	5,537.9	5,489.3	18.3	17.7	-26.97	104.3	-764.7	130.7	96.7	34.04	3.840	
5,578.3	5,514.4	5,541.3	5,492.6	18.3	17.7	-26.99	104.4	-765.2	130.7	96.6	34.07	3.836 CC	
5,600.0	5,535.7	5,562.9	5,513.9	18.4	17.8	-27.09	105.0	-768.9	130.8	96.5	34.27	3.816 ES	
5,625.0	5,560.3	5,587.9	5,538.5	18.6	17.9	-27.18	105.6	-773.2	131.0	96.5	34.45	3.801	
5,650.0	5,585.0	5,612.9	5,563.1	18.7	18.0	-27.24	106.3	-777.5	131.3	96.7	34.64	3.791	
5,675.0	5,609.7	5,638.2	5,588.0	18.8	18.1	-27.27	106.9	-781.9	131.8	97.0	34.84	3.783	
5,700.0	5,634.4	5,663.8	5,613.2	18.9	18.2	-27.28	107.6	-786.1	132.3	97.3	35.03	3.777	
5,725.0	5,659.1	5,689.3	5,638.4	19.0	18.3	-27.28	108.2	-790.3	132.9	97.7	35.23	3.772	
5,750.0	5,683.9	5,714.8	5,663.6	19.1	18.4	-27.27	108.8	-794.3	133.5	98.1	35.43	3.769	
5,775.0	5,708.7	5,740.4	5,688.8	19.2	18.5	-27.25	109.4	-798.3	134.2	98.5	35.63	3.766	
5,800.0	5,733.5	5,765.9	5,714.0	19.3	18.6	-27.21	110.0	-802.1	134.9	99.0	35.83	3.764	
5,825.0	5,758.3	5,791.4	5,739.3	19.4	18.8	-27.16	110.6	-805.8	135.6	99.6	36.03	3.764 SF	
5,850.0	5,783.1	5,817.0	5,764.6	19.5	18.9	-27.10	111.1	-809.4	136.4	100.2	36.23	3.765	
5,875.0	5,808.0	5,842.5	5,789.9	19.6	19.0	-27.02	111.6	-812.9	137.2	100.8	36.43	3.768	
5,900.0	5,832.9	5,868.1	5,815.2	19.7	19.1	-26.94	112.1	-816.3	138.1	101.5	36.63	3.771	
5,925.0	5,857.8	5,893.6	5,840.5	19.8	19.2	-26.84	112.6	-819.5	139.0	102.2	36.83	3.776	
5,950.0	5,882.7	5,919.2	5,865.9	19.9	19.3	-26.73	113.1	-822.7	140.0	103.0	37.02	3.782	
5,975.0	5,907.6	5,944.7	5,891.3	20.0	19.4	-26.62	113.6	-825.7	141.0	103.8	37.22	3.789	
6,000.0	5,932.5	5,970.3	5,916.6	20.1	19.5	-26.49	114.0	-828.7	142.1	104.6	37.42	3.796	
6,025.0	5,957.5	5,995.8	5,942.0	20.2	19.6	-26.35	114.4	-831.5	143.2	105.6	37.62	3.806	
6,050.0	5,982.4	6,021.4	5,967.5	20.3	19.7	-26.21	114.9	-834.2	144.3	106.5	37.81	3.817	
6,075.0	6,007.4	6,047.0	5,992.9	20.4	19.8	-26.05	115.3	-836.8	145.5	107.5	38.00	3.829	
6,100.0	6,032.4	6,072.5	6,018.3	20.5	19.9	-25.88	115.6	-839.3	146.7	108.5	38.20	3.842	
6,125.0	6,057.4	6,098.1	6,043.8	20.5	20.0	-25.71	116.0	-841.6	148.0	109.6	38.38	3.856	
6,150.0	6,082.4	6,123.7	6,069.3	20.6	20.1	-25.53	116.3	-843.9	149.3	110.8	38.57	3.872	
6,175.0	6,107.3	6,149.3	6,094.8	20.7	20.2	-25.34	116.7	-846.1	150.7	112.0	38.75	3.889	
6,200.0	6,132.3	6,174.8	6,120.3	20.8	20.3	-25.14	117.0	-848.1	152.1	113.2	38.93	3.907	
6,225.0	6,157.3	6,200.4	6,145.8	20.8	20.4	-24.94	117.3	-850.0	153.6	114.5	39.08	3.930	
6,250.0	6,182.3	6,226.0	6,171.3	20.8	20.5	-24.73	117.5	-851.8	155.1	115.9	39.23	3.954	
6,264.7	6,197.0	6,241.0	6,186.3	20.9	20.6	-102.43	117.7	-852.8	156.0	116.7	39.31	3.968	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	6,207.3	6,251.6	6,196.8	20.9	20.6	-102.34	117.8	-853.5	156.6	117.3	39.36	3.980	
6,300.0	6,232.3	6,277.2	6,222.4	20.9	20.7	-102.13	118.0	-855.1	158.1	118.6	39.47	4.006	
6,325.0	6,257.3	6,302.9	6,248.0	20.9	20.8	-101.94	118.3	-856.6	159.5	119.9	39.59	4.028	
6,350.0	6,282.3	6,328.5	6,273.6	20.9	20.9	-101.77	118.5	-858.0	160.7	121.0	39.69	4.049	
6,375.0	6,307.3	6,354.1	6,299.2	20.9	20.9	-101.61	118.6	-859.2	161.9	122.1	39.79	4.068	
6,400.0	6,332.3	6,379.8	6,324.8	20.9	21.0	-101.47	118.8	-860.4	162.9	123.0	39.89	4.084	
6,425.0	6,357.3	6,405.5	6,350.5	20.9	21.1	-101.35	119.0	-861.4	163.9	123.9	39.99	4.098	
6,450.0	6,382.3	6,431.1	6,376.1	20.9	21.2	-101.24	119.1	-862.3	164.7	124.7	40.07	4.111	
6,475.0	6,407.3	6,456.8	6,401.8	20.9	21.3	-101.14	119.2	-863.1	165.5	125.3	40.15	4.121	
6,500.0	6,432.3	6,482.5	6,427.5	20.9	21.4	-101.06	119.3	-863.8	166.1	125.9	40.23	4.129	
6,525.0	6,457.3	6,508.2	6,453.2	21.0	21.4	-101.00	119.4	-864.3	166.6	126.3	40.30	4.134	
6,550.0	6,482.3	6,533.9	6,478.9	21.0	21.5	-100.94	119.5	-864.8	167.1	126.7	40.36	4.139	
6,575.0	6,507.3	6,559.6	6,504.6	21.0	21.5	-100.90	119.5	-865.1	167.4	127.0	40.42	4.141	
6,600.0	6,532.3	6,585.3	6,530.3	21.0	21.6	-100.88	119.6	-865.4	167.6	127.1	40.47	4.141	
6,625.0	6,557.3	6,611.0	6,556.0	21.0	21.7	-100.86	119.6	-865.5	167.7	127.2	40.50	4.140	
6,650.0	6,582.3	6,636.4	6,581.3	21.0	21.7	-100.86	119.6	-865.5	167.7	127.2	40.52	4.139	
6,675.0	6,607.3	6,661.4	6,606.3	21.0	21.7	-100.86	119.6	-865.5	167.7	127.2	40.53	4.137	
6,700.0	6,632.3	6,686.4	6,631.3	21.0	21.7	-100.86	119.6	-865.5	167.7	127.2	40.55	4.136	
6,725.0	6,657.3	6,711.4	6,656.3	21.0	21.7	-100.86	119.6	-865.5	167.7	127.1	40.57	4.134	
6,750.0	6,682.3	6,736.4	6,681.3	21.0	21.7	-100.86	119.6	-865.5	167.7	127.1	40.59	4.132	
6,775.0	6,707.3	6,761.4	6,706.3	21.1	21.7	-100.86	119.6	-865.5	167.7	127.1	40.61	4.130	
6,800.0	6,732.3	6,786.4	6,731.3	21.1	21.7	-100.86	119.6	-865.5	167.7	127.1	40.63	4.128	
6,825.0	6,757.3	6,811.4	6,756.3	21.1	21.7	-100.86	119.6	-865.5	167.7	127.1	40.65	4.126	
6,850.0	6,782.3	6,836.4	6,781.3	21.1	21.7	-100.86	119.6	-865.5	167.7	127.0	40.67	4.124	
6,875.0	6,807.3	6,861.4	6,806.3	21.1	21.7	-100.86	119.6	-865.5	167.7	127.0	40.69	4.122	
6,900.0	6,832.3	6,886.4	6,831.3	21.1	21.8	-100.86	119.6	-865.5	167.7	127.0	40.71	4.120	
6,925.0	6,857.3	6,911.4	6,856.3	21.1	21.8	-100.86	119.6	-865.5	167.7	127.0	40.73	4.118	
6,950.0	6,882.3	6,936.4	6,881.3	21.1	21.8	-100.86	119.6	-865.5	167.7	127.0	40.75	4.116	
6,975.0	6,907.3	6,961.4	6,906.3	21.1	21.8	-100.86	119.6	-865.5	167.7	126.9	40.77	4.114	
7,000.0	6,932.3	6,986.4	6,931.3	21.1	21.8	-100.86	119.6	-865.5	167.7	126.9	40.79	4.112	
7,025.0	6,957.3	7,011.4	6,956.3	21.2	21.8	-100.86	119.6	-865.5	167.7	126.9	40.81	4.110	
7,050.0	6,982.3	7,036.4	6,981.3	21.2	21.8	-100.86	119.6	-865.5	167.7	126.9	40.83	4.108	
7,075.0	7,007.3	7,061.4	7,006.3	21.2	21.8	-100.86	119.6	-865.5	167.7	126.9	40.85	4.106	
7,100.0	7,032.3	7,086.4	7,031.3	21.2	21.8	-100.86	119.6	-865.5	167.7	126.8	40.87	4.104	
7,125.0	7,057.3	7,111.4	7,056.3	21.2	21.8	-100.86	119.6	-865.5	167.7	126.8	40.89	4.102	
7,150.0	7,082.3	7,136.4	7,081.3	21.2	21.9	-100.86	119.6	-865.5	167.7	126.8	40.91	4.100	
7,175.0	7,107.3	7,161.4	7,106.3	21.2	21.9	-100.86	119.6	-865.5	167.7	126.8	40.93	4.098	
7,200.0	7,132.3	7,186.4	7,131.3	21.2	21.9	-100.86	119.6	-865.5	167.7	126.8	40.95	4.096	
7,225.0	7,157.3	7,211.4	7,156.3	21.2	21.9	-100.86	119.6	-865.5	167.7	126.7	40.97	4.094	
7,250.0	7,182.3	7,236.4	7,181.3	21.2	21.9	-100.86	119.6	-865.5	167.7	126.7	40.99	4.092	
7,275.0	7,207.3	7,261.4	7,206.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.7	41.01	4.090	
7,300.0	7,232.3	7,286.4	7,231.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.7	41.03	4.088	
7,325.0	7,257.3	7,311.4	7,256.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.7	41.05	4.086	
7,350.0	7,282.3	7,336.4	7,281.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.6	41.07	4.084	
7,375.0	7,307.3	7,361.4	7,306.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.6	41.09	4.082	
7,400.0	7,332.3	7,386.4	7,331.3	21.3	21.9	-100.86	119.6	-865.5	167.7	126.6	41.11	4.080	
7,425.0	7,357.3	7,411.4	7,356.3	21.3	22.0	-100.86	119.6	-865.5	167.7	126.6	41.13	4.078	
7,450.0	7,382.3	7,436.4	7,381.3	21.3	22.0	-100.86	119.6	-865.5	167.7	126.6	41.15	4.076	
7,475.0	7,407.3	7,461.4	7,406.3	21.3	22.0	-100.86	119.6	-865.5	167.7	126.5	41.17	4.074	
7,500.0	7,432.3	7,486.4	7,431.3	21.3	22.0	-100.86	119.6	-865.5	167.7	126.5	41.19	4.072	
7,525.0	7,457.3	7,511.4	7,456.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.5	41.21	4.070	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	7,482.3	7,536.4	7,481.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.5	41.23	4.068	
7,575.0	7,507.3	7,561.4	7,506.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.5	41.25	4.065	
7,600.0	7,532.3	7,586.4	7,531.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.4	41.27	4.063	
7,625.0	7,557.3	7,611.4	7,556.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.4	41.29	4.061	
7,650.0	7,582.3	7,636.4	7,581.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.4	41.31	4.059	
7,675.0	7,607.3	7,661.4	7,606.3	21.4	22.0	-100.86	119.6	-865.5	167.7	126.4	41.33	4.057	
7,700.0	7,632.3	7,686.4	7,631.3	21.4	22.1	-100.86	119.6	-865.5	167.7	126.4	41.35	4.055	
7,725.0	7,657.3	7,711.4	7,656.3	21.4	22.1	-100.86	119.6	-865.5	167.7	126.3	41.37	4.053	
7,750.0	7,682.3	7,736.4	7,681.3	21.4	22.1	-100.86	119.6	-865.5	167.7	126.3	41.40	4.051	
7,775.0	7,707.3	7,761.4	7,706.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.3	41.42	4.049	
7,800.0	7,732.3	7,786.4	7,731.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.3	41.44	4.047	
7,825.0	7,757.3	7,811.4	7,756.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.2	41.46	4.045	
7,850.0	7,782.3	7,836.4	7,781.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.2	41.48	4.043	
7,875.0	7,807.3	7,861.4	7,806.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.2	41.50	4.041	
7,900.0	7,832.3	7,886.4	7,831.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.2	41.52	4.039	
7,925.0	7,857.3	7,911.4	7,856.3	21.5	22.1	-100.86	119.6	-865.5	167.7	126.2	41.54	4.037	
7,950.0	7,882.3	7,936.4	7,881.3	21.5	22.2	-100.86	119.6	-865.5	167.7	126.1	41.56	4.035	
7,975.0	7,907.3	7,961.4	7,906.3	21.5	22.2	-100.86	119.6	-865.5	167.7	126.1	41.58	4.033	
8,000.0	7,932.3	7,986.4	7,931.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.1	41.60	4.031	
8,025.0	7,957.3	8,011.4	7,956.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.1	41.62	4.029	
8,050.0	7,982.3	8,036.4	7,981.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.1	41.65	4.027	
8,075.0	8,007.3	8,061.4	8,006.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.0	41.67	4.025	
8,100.0	8,032.3	8,086.4	8,031.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.0	41.69	4.023	
8,125.0	8,057.3	8,111.4	8,056.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.0	41.71	4.021	
8,150.0	8,082.3	8,136.4	8,081.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.0	41.73	4.019	
8,175.0	8,107.3	8,161.4	8,106.3	21.6	22.2	-100.86	119.6	-865.5	167.7	126.0	41.75	4.017	
8,200.0	8,132.3	8,186.4	8,131.3	21.6	22.3	-100.86	119.6	-865.5	167.7	125.9	41.77	4.015	
8,225.0	8,157.3	8,211.4	8,156.3	21.6	22.3	-100.86	119.6	-865.5	167.7	125.9	41.79	4.013	
8,250.0	8,182.3	8,236.4	8,181.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.9	41.82	4.011	
8,275.0	8,207.3	8,261.4	8,206.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.9	41.84	4.009	
8,300.0	8,232.3	8,286.4	8,231.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.8	41.86	4.006	
8,325.0	8,257.3	8,311.4	8,256.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.8	41.88	4.004	
8,350.0	8,282.3	8,336.4	8,281.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.8	41.90	4.002	
8,375.0	8,307.3	8,361.4	8,306.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.8	41.92	4.000	
8,400.0	8,332.3	8,386.4	8,331.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.8	41.94	3.998	
8,425.0	8,357.3	8,411.4	8,356.3	21.7	22.3	-100.86	119.6	-865.5	167.7	125.7	41.97	3.996	
8,450.0	8,382.3	8,436.4	8,381.3	21.7	22.4	-100.86	119.6	-865.5	167.7	125.7	41.99	3.994	
8,475.0	8,407.3	8,461.4	8,406.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.7	42.01	3.992	
8,500.0	8,432.3	8,486.4	8,431.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.7	42.03	3.990	
8,525.0	8,457.3	8,511.4	8,456.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.7	42.05	3.988	
8,550.0	8,482.3	8,536.4	8,481.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.6	42.07	3.986	
8,575.0	8,507.3	8,561.4	8,506.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.6	42.09	3.984	
8,600.0	8,532.3	8,586.4	8,531.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.6	42.12	3.982	
8,625.0	8,557.3	8,611.4	8,556.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.6	42.14	3.980	
8,650.0	8,582.3	8,636.4	8,581.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.5	42.16	3.978	
8,675.0	8,607.3	8,661.4	8,606.3	21.8	22.4	-100.86	119.6	-865.5	167.7	125.5	42.18	3.976	
8,700.0	8,632.3	8,686.4	8,631.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.5	42.20	3.974	
8,725.0	8,657.3	8,711.4	8,656.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.5	42.23	3.972	
8,750.0	8,682.3	8,736.4	8,681.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.5	42.25	3.970	
8,775.0	8,707.3	8,761.4	8,706.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.4	42.27	3.968	
8,800.0	8,732.3	8,786.4	8,731.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.4	42.29	3.965	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	8,757.3	8,811.4	8,756.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.4	42.31	3.963	
8,850.0	8,782.3	8,836.4	8,781.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.4	42.34	3.961	
8,875.0	8,807.3	8,861.4	8,806.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.3	42.36	3.959	
8,900.0	8,832.3	8,886.4	8,831.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.3	42.38	3.957	
8,925.0	8,857.3	8,911.4	8,856.3	21.9	22.5	-100.86	119.6	-865.5	167.7	125.3	42.40	3.955	
8,950.0	8,882.3	8,936.4	8,881.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.3	42.42	3.953	
8,975.0	8,907.3	8,961.4	8,906.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.3	42.45	3.951	
9,000.0	8,932.3	8,986.4	8,931.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.2	42.47	3.949	
9,025.0	8,957.3	9,011.4	8,956.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.2	42.49	3.947	
9,050.0	8,982.3	9,036.4	8,981.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.2	42.51	3.945	
9,075.0	9,007.3	9,061.4	9,006.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.2	42.53	3.943	
9,100.0	9,032.3	9,086.4	9,031.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.1	42.56	3.941	
9,125.0	9,057.3	9,111.4	9,056.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.1	42.57	3.939	
9,150.0	9,082.3	9,136.4	9,081.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.1	42.59	3.938	
9,161.2	9,093.6	9,147.6	9,092.6	22.0	22.6	-100.86	119.6	-865.5	167.7	125.1	42.60	3.937	
9,175.0	9,107.3	9,161.4	9,106.3	22.0	22.6	-100.86	119.6	-865.5	167.7	125.1	42.59	3.938	
9,200.0	9,132.3	9,186.3	9,131.3	22.0	22.7	-101.29	119.6	-865.5	168.0	125.5	42.53	3.951	
9,225.0	9,157.1	9,211.2	9,156.1	22.0	22.7	-102.11	119.6	-865.5	168.6	126.2	42.38	3.977	
9,250.0	9,181.8	9,235.9	9,180.8	22.0	22.7	-103.30	119.6	-865.5	169.4	127.3	42.15	4.019	
9,275.0	9,206.3	9,260.3	9,205.3	22.1	22.7	-104.84	119.6	-865.5	170.7	128.9	41.84	4.081	
9,300.0	9,230.4	9,284.4	9,229.4	22.1	22.7	-106.65	119.6	-865.5	172.6	131.2	41.42	4.166	
9,325.0	9,254.1	9,308.2	9,253.1	22.1	22.7	-108.70	119.6	-865.5	175.1	134.2	40.91	4.280	
9,350.0	9,277.5	9,331.5	9,276.5	22.1	22.7	-110.92	119.6	-865.5	178.3	138.0	40.29	4.426	
9,375.0	9,300.3	9,354.3	9,299.3	22.1	22.7	-113.24	119.6	-865.5	182.5	142.9	39.58	4.610	
9,400.0	9,322.5	9,376.6	9,321.5	22.1	22.7	-115.58	119.6	-865.5	187.7	148.9	38.79	4.838	
9,425.0	9,344.1	9,398.2	9,343.1	22.1	22.7	-117.89	119.6	-865.5	194.0	156.1	37.93	5.114	
9,450.0	9,365.0	9,419.1	9,364.0	22.1	22.8	-120.10	119.6	-865.5	201.5	164.5	37.04	5.441	
9,475.0	9,385.2	9,439.3	9,384.2	22.1	22.8	-122.17	119.6	-865.5	210.4	174.2	36.14	5.821	
9,500.0	9,404.6	9,458.7	9,403.6	22.1	22.8	-124.03	119.6	-865.5	220.5	185.3	35.26	6.256	
9,525.0	9,423.1	9,477.2	9,422.1	22.1	22.8	-125.67	119.6	-865.5	232.0	197.6	34.41	6.743	
9,550.0	9,440.8	9,494.8	9,439.8	22.1	22.8	-127.04	119.6	-865.5	244.8	211.2	33.63	7.281	
9,575.0	9,457.4	9,511.5	9,456.4	22.1	22.8	-128.13	119.6	-865.5	258.9	226.0	32.92	7.866	
9,600.0	9,473.1	9,527.2	9,472.1	22.1	22.8	-128.91	119.6	-865.5	274.2	241.9	32.28	8.494	
9,625.0	9,487.8	9,541.8	9,486.8	22.1	22.8	-129.36	119.6	-865.5	290.7	258.9	31.73	9.161	
9,650.0	9,501.3	9,555.4	9,500.3	22.1	22.8	-129.44	119.6	-865.5	308.2	277.0	31.25	9.862	
9,675.0	9,513.8	9,567.8	9,512.8	22.2	22.8	-129.12	119.6	-865.5	326.7	295.9	30.85	10.592	
9,700.0	9,525.1	9,579.1	9,524.1	22.2	22.8	-128.35	119.6	-865.5	346.2	315.7	30.51	11.348	
9,725.0	9,535.2	9,589.2	9,534.2	22.2	22.8	-127.07	119.6	-865.5	366.5	336.2	30.22	12.126	
9,750.0	9,544.1	9,598.1	9,543.1	22.2	22.8	-125.19	119.6	-865.5	387.5	357.5	29.99	12.921	
9,775.0	9,551.7	9,605.8	9,550.7	22.2	22.8	-122.61	119.6	-865.5	409.1	379.3	29.79	13.732	
9,800.0	9,558.1	9,612.2	9,557.1	22.3	22.8	-119.19	119.6	-865.5	431.4	401.7	29.63	14.556	
9,825.0	9,563.3	9,617.3	9,562.3	22.3	22.8	-114.76	119.6	-865.5	454.1	424.6	29.51	15.389	
9,850.0	9,567.1	9,621.2	9,566.1	22.3	22.8	-109.17	119.6	-865.5	477.2	447.8	29.40	16.230	
9,875.0	9,569.6	9,623.7	9,568.6	22.3	22.8	-102.27	119.6	-865.5	500.6	471.3	29.31	17.076	
9,900.0	9,570.9	9,624.9	9,569.9	22.4	22.8	-94.06	119.6	-865.5	524.2	495.0	29.24	17.925	
9,907.4	9,571.0	9,625.1	9,570.0	22.4	22.8	-91.41	119.6	-865.5	531.2	502.0	29.23	18.176	
9,925.0	9,571.1	9,625.2	9,570.1	22.4	22.8	-91.46	119.6	-865.5	548.0	518.8	29.19	18.775	
9,950.0	9,571.3	9,625.4	9,570.3	22.4	22.8	-91.53	119.6	-865.5	571.9	542.8	29.14	19.623	
9,975.0	9,571.5	9,625.6	9,570.5	22.5	22.8	-91.60	119.6	-865.5	595.9	566.8	29.11	20.471	
10,000.0	9,571.7	9,625.8	9,570.7	22.5	22.8	-91.67	119.6	-865.5	619.9	590.9	29.08	21.317	
10,025.0	9,571.9	9,626.0	9,570.9	22.6	22.8	-91.74	119.6	-865.5	644.1	615.0	29.06	22.162	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
10,050.0	9,572.1	9,626.2	9,571.1	22.6	22.8	-91.81	119.6	-865.5	668.3	639.2	29.05	23.005	
10,075.0	9,572.3	9,626.4	9,571.3	22.7	22.8	-91.88	119.6	-865.5	692.5	663.5	29.04	23.847	
10,100.0	9,572.5	9,626.6	9,571.5	22.7	22.8	-91.95	119.6	-865.5	716.8	687.8	29.03	24.689	
10,125.0	9,572.7	9,626.8	9,571.7	22.8	22.8	-92.02	119.6	-865.5	741.2	712.2	29.03	25.529	
10,150.0	9,572.9	9,627.0	9,571.9	22.8	22.8	-92.09	119.6	-865.5	765.6	736.5	29.03	26.368	
10,175.0	9,573.2	9,627.2	9,572.2	22.9	22.8	-92.16	119.6	-865.5	790.0	761.0	29.04	27.206	
10,200.0	9,573.4	9,627.4	9,572.4	22.9	22.8	-92.23	119.6	-865.5	814.5	785.4	29.04	28.044	
10,225.0	9,573.6	9,627.6	9,572.6	23.0	22.8	-92.30	119.6	-865.5	839.0	809.9	29.05	28.880	
10,250.0	9,573.8	9,627.8	9,572.8	23.1	22.8	-92.37	119.6	-865.5	863.5	834.4	29.06	29.716	
10,275.0	9,574.0	9,628.0	9,573.0	23.1	22.8	-92.44	119.6	-865.5	888.1	859.0	29.07	30.550	
10,300.0	9,574.2	9,628.2	9,573.2	23.2	22.8	-92.51	119.6	-865.5	912.6	883.6	29.08	31.385	
10,325.0	9,574.4	9,628.4	9,573.4	23.3	22.8	-92.58	119.6	-865.5	937.2	908.1	29.09	32.217	
10,350.0	9,574.6	9,628.6	9,573.6	23.3	22.8	-92.65	119.6	-865.5	961.9	932.8	29.10	33.049	
10,375.0	9,574.8	9,628.8	9,573.8	23.4	22.8	-92.72	119.6	-865.5	986.5	957.4	29.12	33.881	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-90.34	-1.2	-199.9	199.9				
25.0	25.0	24.0	24.0	0.5	0.1	-90.34	-1.2	-199.9	199.9				
50.0	50.0	49.0	49.0	0.5	0.3	-90.34	-1.2	-199.9	199.9	198.6	1.27	157.277	
75.0	75.0	74.0	74.0	0.5	0.4	-90.34	-1.2	-199.9	199.9	198.5	1.36	146.582	
100.0	100.0	99.0	99.0	0.5	0.5	-90.34	-1.2	-199.9	199.9	198.4	1.48	135.091	
125.0	125.0	124.0	124.0	0.6	0.6	-90.34	-1.2	-199.9	199.9	198.2	1.73	115.844	
150.0	150.0	149.0	149.0	0.8	0.8	-90.34	-1.2	-199.9	199.9	197.9	1.97	101.403	
175.0	175.0	174.0	174.0	0.9	0.9	-90.34	-1.2	-199.9	199.9	197.7	2.22	90.164	
200.0	200.0	199.0	199.0	1.0	1.0	-90.34	-1.2	-199.9	199.9	197.4	2.46	81.167	
225.0	225.0	224.0	224.0	1.1	1.1	-90.34	-1.2	-199.9	199.9	197.3	2.62	76.182	
250.0	250.0	249.0	249.0	1.2	1.2	-90.34	-1.2	-199.9	199.9	197.1	2.78	71.818	
275.0	275.0	274.0	274.0	1.3	1.3	-90.34	-1.2	-199.9	199.9	197.0	2.94	67.927	
300.0	300.0	299.0	299.0	1.4	1.4	-90.34	-1.2	-199.9	199.9	196.8	3.10	64.436	
325.0	325.0	324.0	324.0	1.4	1.4	-90.34	-1.2	-199.9	199.9	196.7	3.23	61.877	
350.0	350.0	349.0	349.0	1.5	1.5	-90.34	-1.2	-199.9	199.9	196.5	3.36	59.525	
375.0	375.0	374.0	374.0	1.6	1.6	-90.34	-1.2	-199.9	199.9	196.4	3.49	57.345	
400.0	400.0	399.0	399.0	1.6	1.6	-90.34	-1.2	-199.9	199.9	196.3	3.61	55.319	
425.0	425.0	424.0	424.0	1.7	1.7	-90.34	-1.2	-199.9	199.9	196.2	3.72	53.685	
450.0	450.0	449.0	449.0	1.8	1.8	-90.34	-1.2	-199.9	199.9	196.1	3.83	52.150	
475.0	475.0	474.0	474.0	1.8	1.8	-90.34	-1.2	-199.9	199.9	196.0	3.94	50.700	
500.0	500.0	499.0	499.0	1.9	1.9	-90.34	-1.2	-199.9	199.9	195.9	4.05	49.328	
525.0	525.0	524.0	524.0	1.9	1.9	-90.34	-1.2	-199.9	199.9	195.8	4.15	48.166	
550.0	550.0	549.0	549.0	2.0	2.0	-90.34	-1.2	-199.9	199.9	195.7	4.25	47.060	
575.0	575.0	574.0	574.0	2.1	2.1	-90.34	-1.2	-199.9	199.9	195.6	4.35	46.003	
600.0	600.0	599.0	599.0	2.1	2.1	-90.34	-1.2	-199.9	199.9	195.5	4.44	44.993	
625.0	625.0	624.0	624.0	2.2	2.2	-90.34	-1.2	-199.9	199.9	195.4	4.53	44.109	
650.0	650.0	649.0	649.0	2.2	2.2	-90.34	-1.2	-199.9	199.9	195.3	4.62	43.262	
675.0	675.0	674.0	674.0	2.3	2.3	-90.34	-1.2	-199.9	199.9	195.2	4.71	42.446	
700.0	700.0	699.0	699.0	2.3	2.3	-90.34	-1.2	-199.9	199.9	195.1	4.80	41.661	
725.0	725.0	724.0	724.0	2.4	2.4	-90.34	-1.2	-199.9	199.9	195.0	4.88	40.959	
750.0	750.0	749.0	749.0	2.4	2.4	-90.34	-1.2	-199.9	199.9	194.9	4.96	40.282	
775.0	775.0	774.0	774.0	2.5	2.5	-90.34	-1.2	-199.9	199.9	194.9	5.04	39.627	
800.0	800.0	799.0	799.0	2.5	2.5	-90.34	-1.2	-199.9	199.9	194.8	5.13	38.993	
825.0	825.0	824.0	824.0	2.6	2.6	-90.34	-1.2	-199.9	199.9	194.7	5.20	38.418	
850.0	850.0	849.0	849.0	2.6	2.6	-90.34	-1.2	-199.9	199.9	194.6	5.28	37.861	
875.0	875.0	874.0	874.0	2.6	2.6	-90.34	-1.2	-199.9	199.9	194.5	5.36	37.319	
900.0	900.0	899.0	899.0	2.7	2.7	-90.34	-1.2	-199.9	199.9	194.5	5.43	36.793	
925.0	925.0	924.0	924.0	2.7	2.7	-90.34	-1.2	-199.9	199.9	194.4	5.51	36.310	
950.0	950.0	949.0	949.0	2.8	2.8	-90.34	-1.2	-199.9	199.9	194.3	5.58	35.841	
975.0	975.0	974.0	974.0	2.8	2.8	-90.34	-1.2	-199.9	199.9	194.3	5.65	35.383	
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-90.34	-1.2	-199.9	199.9	194.2	5.72	34.937	
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-90.34	-1.2	-199.9	199.9	194.1	5.79	34.524	
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-90.34	-1.2	-199.9	199.9	194.0	5.86	34.121	
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-90.34	-1.2	-199.9	199.9	194.0	5.93	33.727	
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-90.34	-1.2	-199.9	199.9	193.9	6.00	33.343	
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-90.34	-1.2	-199.9	199.9	193.8	6.06	32.984	
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-90.34	-1.2	-199.9	199.9	193.8	6.13	32.633	
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-90.34	-1.2	-199.9	199.9	193.7	6.19	32.290	
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-90.34	-1.2	-199.9	199.9	193.6	6.26	31.954	
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-90.34	-1.2	-199.9	199.9	193.6	6.32	31.638	
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-90.34	-1.2	-199.9	199.9	193.5	6.38	31.329	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-90.34	-1.2	-199.9	199.9	193.5	6.44	31.026	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-90.34	-1.2	-199.9	199.9	193.4	6.51	30.729	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-90.34	-1.2	-199.9	199.9	193.3	6.57	30.448	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-90.34	-1.2	-199.9	199.9	193.3	6.63	30.173	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-90.34	-1.2	-199.9	199.9	193.2	6.69	29.903	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-90.34	-1.2	-199.9	199.9	193.2	6.74	29.638	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-90.34	-1.2	-199.9	199.9	193.1	6.80	29.386	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-90.34	-1.2	-199.9	199.9	193.0	6.86	29.140	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-90.34	-1.2	-199.9	199.9	193.0	6.92	28.897	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-90.34	-1.2	-199.9	199.9	192.9	6.98	28.658	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-90.34	-1.2	-199.9	199.9	192.9	7.03	28.431	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-90.34	-1.2	-199.9	199.9	192.8	7.09	28.208	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-90.34	-1.2	-199.9	199.9	192.8	7.14	27.988	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-90.34	-1.2	-199.9	199.9	192.7	7.20	27.771	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-90.34	-1.2	-199.9	199.9	192.7	7.25	27.565	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-90.34	-1.2	-199.9	199.9	192.6	7.31	27.361	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-90.34	-1.2	-199.9	199.9	192.5	7.36	27.161	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-90.34	-1.2	-199.9	199.9	192.5	7.41	26.964	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-90.34	-1.2	-199.9	199.9	192.4	7.47	26.775	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-90.34	-1.2	-199.9	199.9	192.4	7.52	26.589	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-90.34	-1.2	-199.9	199.9	192.3	7.57	26.405	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-90.34	-1.2	-199.9	199.9	192.3	7.62	26.224	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-90.34	-1.2	-199.9	199.9	192.2	7.67	26.051	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-90.34	-1.2	-199.9	199.9	192.2	7.72	25.879	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-90.34	-1.2	-199.9	199.9	192.1	7.78	25.710	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-90.34	-1.2	-199.9	199.9	192.1	7.83	25.544	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-90.34	-1.2	-199.9	199.9	192.0	7.88	25.383	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-90.34	-1.2	-199.9	199.9	192.0	7.92	25.225	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-90.34	-1.2	-199.9	199.9	191.9	7.97	25.069	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-90.34	-1.2	-199.9	199.9	191.9	8.02	24.914	
2,025.0	2,025.0	2,022.4	2,022.4	4.4	4.4	-12.53	-1.2	-200.0	199.9	191.8	8.13	24.594	
2,050.0	2,050.0	2,045.8	2,045.8	4.5	4.5	-12.54	-1.2	-200.3	199.9	191.6	8.23	24.278	
2,075.0	2,075.0	2,069.2	2,069.2	4.5	4.5	-12.57	-1.2	-200.7	199.8	191.5	8.34	23.971	
2,100.0	2,100.0	2,092.5	2,092.5	4.5	4.5	-12.62	-1.2	-201.4	199.8	191.4	8.44	23.672	
2,125.0	2,125.0	2,115.9	2,115.9	4.6	4.5	-12.67	-1.2	-202.2	199.8	191.2	8.58	23.275	
2,150.0	2,149.9	2,139.3	2,139.2	4.6	4.6	-12.74	-1.2	-203.3	199.7	191.0	8.73	22.872	
2,175.0	2,174.9	2,162.7	2,162.6	4.7	4.6	-12.82	-1.2	-204.5	199.6	190.7	8.88	22.483	
2,200.0	2,199.8	2,186.0	2,185.9	4.7	4.7	-12.92	-1.2	-205.9	199.6	190.5	9.03	22.107	
2,225.0	2,224.8	2,209.4	2,209.2	4.7	4.7	-13.02	-1.2	-207.5	199.5	190.3	9.18	21.733	
2,250.0	2,249.7	2,232.8	2,232.5	4.8	4.7	-13.14	-1.2	-209.4	199.4	190.1	9.33	21.368	
2,275.0	2,274.6	2,256.1	2,255.8	4.8	4.8	-13.27	-1.2	-211.3	199.3	189.8	9.48	21.015	
2,300.0	2,299.5	2,279.5	2,279.1	4.9	4.8	-13.41	-1.2	-213.5	199.2	189.5	9.63	20.674	
2,322.9	2,322.2	2,300.0	2,299.5	4.9	4.8	-13.55	-1.2	-215.6	199.1	189.3	9.77	20.372	
2,325.0	2,324.3	2,300.0	2,299.5	4.9	4.8	-13.55	-1.2	-215.6	199.1	189.3	9.77	20.369	
2,350.0	2,349.1	2,326.2	2,325.5	5.0	4.9	-13.74	-1.2	-218.5	199.0	189.0	9.95	19.995	
2,375.0	2,373.9	2,349.6	2,348.7	5.1	4.9	-13.92	-1.2	-221.2	198.8	188.7	10.11	19.672	
2,400.0	2,398.7	2,373.0	2,371.9	5.1	5.0	-14.11	-1.2	-224.1	198.7	188.4	10.26	19.359	
2,425.0	2,423.4	2,396.3	2,395.1	5.2	5.0	-14.32	-1.2	-227.3	198.6	188.1	10.42	19.047	
2,450.0	2,448.2	2,419.7	2,418.2	5.3	5.1	-14.54	-1.2	-230.6	198.4	187.8	10.59	18.739	
2,475.0	2,472.8	2,443.1	2,441.3	5.4	5.2	-14.77	-1.2	-234.1	198.3	187.5	10.75	18.439	
2,500.0	2,497.5	2,466.4	2,464.4	5.5	5.3	-15.01	-1.2	-237.8	198.1	187.2	10.92	18.147	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,522.1	2,489.8	2,487.4	5.5	5.4	-15.27	-1.2	-241.7	198.0	186.9	11.06	17.895	
2,550.0	2,546.6	2,513.2	2,510.4	5.6	5.5	-15.54	-1.2	-245.7	197.8	186.6	11.21	17.647	
2,575.0	2,571.1	2,536.5	2,533.4	5.7	5.5	-15.82	-1.2	-250.0	197.7	186.3	11.36	17.404	
2,593.4	2,589.2	2,553.8	2,550.3	5.7	5.6	-16.03	-1.2	-253.3	197.6	186.2	11.45	17.256 CC	
2,600.0	2,595.6	2,559.9	2,556.4	5.7	5.6	-16.11	-1.2	-254.4	197.6	186.1	11.49	17.205 ES	
2,625.0	2,620.1	2,583.3	2,579.3	5.8	5.7	-16.39	-1.2	-259.1	197.8	186.1	11.64	16.986	
2,650.0	2,644.6	2,606.7	2,602.1	5.9	5.8	-16.67	-1.2	-263.9	198.2	186.4	11.80	16.788	
2,675.0	2,669.1	2,630.0	2,625.0	5.9	5.9	-16.94	-1.2	-268.9	198.7	186.8	11.96	16.610	
2,700.0	2,693.6	2,653.4	2,647.7	6.0	6.0	-17.20	-1.2	-274.1	199.5	187.4	12.13	16.453	
2,725.0	2,718.1	2,676.7	2,670.4	6.1	6.1	-17.46	-1.2	-279.5	200.5	188.2	12.29	16.316	
2,750.0	2,742.6	2,700.0	2,693.1	6.2	6.2	-17.71	-1.2	-285.0	201.7	189.3	12.45	16.200	
2,775.0	2,767.1	2,723.3	2,715.7	6.3	6.2	-17.95	-1.2	-290.7	203.1	190.5	12.59	16.139	
2,800.0	2,791.6	2,746.6	2,738.2	6.4	6.3	-18.18	-1.2	-296.6	204.7	192.0	12.72	16.096	
2,825.0	2,816.1	2,771.3	2,762.0	6.4	6.4	-18.42	-1.2	-303.0	206.5	193.6	12.87	16.043	
2,850.0	2,840.6	2,796.2	2,786.1	6.5	6.4	-18.66	-1.2	-309.5	208.2	195.2	13.02	15.989	
2,875.0	2,865.1	2,821.2	2,810.2	6.6	6.5	-18.89	-1.2	-315.9	210.0	196.8	13.19	15.916	
2,900.0	2,889.6	2,846.1	2,834.3	6.7	6.6	-19.12	-1.2	-322.4	211.7	198.4	13.36	15.842	
2,925.0	2,914.1	2,871.0	2,858.3	6.8	6.7	-19.34	-1.2	-328.8	213.5	199.9	13.54	15.766	
2,950.0	2,938.6	2,895.9	2,882.4	6.9	6.8	-19.56	-1.2	-335.3	215.2	201.5	13.72	15.693	
2,975.0	2,963.1	2,920.9	2,906.5	7.0	6.9	-19.78	-1.2	-341.7	217.0	203.1	13.89	15.618	
3,000.0	2,987.6	2,945.8	2,930.6	7.1	7.0	-19.99	-1.2	-348.2	218.8	204.7	14.07	15.545	
3,025.0	3,012.1	2,970.7	2,954.6	7.2	7.1	-20.20	-1.2	-354.6	220.5	206.3	14.25	15.472	
3,050.0	3,036.6	2,995.6	2,978.7	7.2	7.2	-20.41	-1.2	-361.1	222.3	207.9	14.43	15.400	
3,075.0	3,061.1	3,020.6	3,002.8	7.3	7.3	-20.61	-1.2	-367.5	224.1	209.5	14.62	15.328	
3,100.0	3,085.6	3,045.5	3,026.9	7.4	7.4	-20.81	-1.2	-374.0	225.9	211.1	14.80	15.258	
3,125.0	3,110.1	3,070.4	3,051.0	7.5	7.5	-21.01	-1.2	-380.4	227.6	212.6	14.99	15.187	
3,150.0	3,134.6	3,095.3	3,075.0	7.6	7.6	-21.20	-1.2	-386.9	229.4	214.2	15.17	15.119	
3,175.0	3,159.1	3,120.3	3,099.1	7.7	7.7	-21.40	-1.2	-393.3	231.2	215.8	15.36	15.050	
3,200.0	3,183.6	3,145.2	3,123.2	7.8	7.7	-21.58	-1.2	-399.8	233.0	217.4	15.55	14.983	
3,225.0	3,208.1	3,170.1	3,147.3	7.9	7.8	-21.77	-1.2	-406.2	234.8	219.0	15.74	14.916	
3,250.0	3,232.6	3,195.0	3,171.3	8.0	7.9	-21.95	-1.2	-412.7	236.6	220.6	15.93	14.851	
3,275.0	3,257.1	3,220.0	3,195.4	8.1	8.0	-22.13	-1.2	-419.1	238.4	222.3	16.12	14.786	
3,300.0	3,281.6	3,244.9	3,219.5	8.2	8.2	-22.31	-1.2	-425.6	240.2	223.9	16.31	14.722	
3,325.0	3,306.1	3,269.8	3,243.6	8.3	8.3	-22.48	-1.2	-432.0	242.0	225.5	16.51	14.659	
3,350.0	3,330.6	3,294.7	3,267.6	8.4	8.4	-22.66	-1.2	-438.5	243.8	227.1	16.70	14.598	
3,375.0	3,355.1	3,319.6	3,291.7	8.5	8.5	-22.82	-1.2	-445.0	245.6	228.7	16.89	14.537	
3,400.0	3,379.6	3,344.6	3,315.8	8.6	8.6	-22.99	-1.2	-451.4	247.4	230.3	17.09	14.477	
3,425.0	3,404.1	3,369.5	3,339.9	8.7	8.7	-23.16	-1.2	-457.9	249.2	231.9	17.28	14.417	
3,450.0	3,428.6	3,394.4	3,363.9	8.8	8.8	-23.32	-1.2	-464.3	251.0	233.5	17.48	14.360	
3,475.0	3,453.1	3,419.3	3,388.0	8.9	8.9	-23.48	-1.2	-470.8	252.8	235.1	17.68	14.303	
3,500.0	3,477.6	3,444.3	3,412.1	9.0	9.0	-23.64	-1.2	-477.2	254.6	236.8	17.87	14.246	
3,525.0	3,502.1	3,469.2	3,436.2	9.1	9.1	-23.79	-1.2	-483.7	256.4	238.4	18.07	14.191	
3,550.0	3,526.6	3,494.1	3,460.2	9.2	9.2	-23.94	-1.2	-490.1	258.3	240.0	18.27	14.137	
3,575.0	3,551.1	3,519.0	3,484.3	9.3	9.3	-24.09	-1.2	-496.6	260.1	241.6	18.47	14.084	
3,600.0	3,575.6	3,544.0	3,508.4	9.4	9.4	-24.24	-1.2	-503.0	261.9	243.2	18.67	14.031	
3,625.0	3,600.1	3,568.9	3,532.5	9.5	9.5	-24.39	-1.2	-509.5	263.7	244.9	18.87	13.979	
3,650.0	3,624.6	3,593.8	3,556.5	9.6	9.6	-24.54	-1.2	-515.9	265.6	246.5	19.07	13.929	
3,675.0	3,649.1	3,618.7	3,580.6	9.8	9.7	-24.68	-1.2	-522.4	267.4	248.1	19.27	13.879	
3,700.0	3,673.6	3,643.7	3,604.7	9.9	9.8	-24.82	-1.2	-528.8	269.2	249.7	19.47	13.830	
3,725.0	3,698.1	3,668.6	3,628.8	10.0	10.0	-24.96	-1.2	-535.3	271.0	251.4	19.67	13.782	
3,750.0	3,722.6	3,693.5	3,652.8	10.1	10.1	-25.10	-1.2	-541.7	272.9	253.0	19.87	13.734	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	3,747.1	3,718.4	3,676.9	10.2	10.2	-25.23	-1.2	-548.2	274.7	254.6	20.07	13.688	
3,800.0	3,771.6	3,743.4	3,701.0	10.3	10.3	-25.36	-1.2	-554.6	276.5	256.3	20.27	13.642	
3,825.0	3,796.1	3,768.3	3,725.1	10.4	10.4	-25.50	-1.2	-561.1	278.4	257.9	20.47	13.597	
3,850.0	3,820.6	3,793.2	3,749.1	10.5	10.5	-25.63	-1.2	-567.5	280.2	259.5	20.68	13.553	
3,875.0	3,845.1	3,818.1	3,773.2	10.6	10.6	-25.75	-1.2	-574.0	282.1	261.2	20.88	13.510	
3,900.0	3,869.5	3,843.1	3,797.3	10.7	10.7	-25.88	-1.2	-580.4	283.9	262.8	21.08	13.467	
3,925.0	3,894.0	3,868.0	3,821.4	10.8	10.8	-26.01	-1.2	-586.9	285.7	264.5	21.28	13.425	
3,950.0	3,918.5	3,892.9	3,845.4	10.9	11.0	-26.13	-1.2	-593.3	287.6	266.1	21.49	13.384	
3,975.0	3,943.0	3,917.8	3,869.5	11.0	11.1	-26.25	-1.2	-599.8	289.4	267.7	21.69	13.343	
4,000.0	3,967.5	3,942.8	3,893.6	11.1	11.2	-26.37	-1.2	-606.2	291.3	269.4	21.89	13.304	
4,025.0	3,992.0	3,967.7	3,917.7	11.2	11.3	-26.49	-1.2	-612.7	293.1	271.0	22.10	13.264	
4,050.0	4,016.5	3,992.6	3,941.7	11.4	11.4	-26.61	-1.2	-619.1	295.0	272.7	22.30	13.226	
4,075.0	4,041.0	4,017.5	3,965.8	11.5	11.5	-26.72	-1.2	-625.6	296.8	274.3	22.51	13.188	
4,100.0	4,065.5	4,042.5	3,989.9	11.6	11.6	-26.84	-1.2	-632.0	298.7	276.0	22.71	13.151	
4,125.0	4,090.0	4,067.4	4,014.0	11.7	11.7	-26.95	-1.2	-638.5	300.5	277.6	22.92	13.114	
4,150.0	4,114.5	4,092.3	4,038.0	11.8	11.9	-27.06	-1.2	-644.9	302.4	279.3	23.12	13.078	
4,175.0	4,139.0	4,117.2	4,062.1	11.9	12.0	-27.17	-1.2	-651.4	304.2	280.9	23.33	13.043	
4,200.0	4,163.5	4,142.2	4,086.2	12.0	12.1	-27.28	-1.2	-657.8	306.1	282.6	23.53	13.008	
4,225.0	4,188.0	4,167.1	4,110.3	12.1	12.2	-27.39	-1.2	-664.3	307.9	284.2	23.74	12.974	
4,250.0	4,212.5	4,192.0	4,134.3	12.2	12.3	-27.50	-1.2	-670.7	309.8	285.9	23.94	12.940	
4,275.0	4,237.0	4,216.9	4,158.4	12.3	12.4	-27.60	-1.2	-677.2	311.7	287.5	24.15	12.907	
4,300.0	4,261.5	4,241.8	4,182.5	12.4	12.5	-27.70	-1.2	-683.6	313.5	289.2	24.35	12.875	
4,325.0	4,286.0	4,266.8	4,206.6	12.6	12.7	-27.81	-1.2	-690.1	315.4	290.8	24.56	12.842	
4,350.0	4,310.5	4,291.7	4,230.6	12.7	12.8	-27.91	-1.2	-696.5	317.2	292.5	24.76	12.811	
4,375.0	4,335.0	4,316.6	4,254.7	12.8	12.9	-28.01	-1.2	-703.0	319.1	294.1	24.97	12.780	
4,400.0	4,359.5	4,341.5	4,278.8	12.9	13.0	-28.11	-1.2	-709.4	321.0	295.8	25.17	12.749	
4,425.0	4,384.0	4,366.5	4,302.9	13.0	13.1	-28.21	-1.2	-715.9	322.8	297.4	25.38	12.719	
4,450.0	4,408.5	4,391.4	4,326.9	13.1	13.2	-28.30	-1.2	-722.3	324.7	299.1	25.59	12.690	
4,475.0	4,433.0	4,416.3	4,351.0	13.2	13.4	-28.40	-1.2	-728.8	326.6	300.8	25.79	12.661	
4,500.0	4,457.5	4,441.2	4,375.1	13.3	13.5	-28.49	-1.2	-735.2	328.4	302.4	26.00	12.632	
4,525.0	4,482.0	4,466.2	4,399.2	13.4	13.6	-28.59	-1.2	-741.7	330.3	304.1	26.21	12.604	
4,550.0	4,506.5	4,491.1	4,423.2	13.6	13.7	-28.68	-1.2	-748.1	332.2	305.8	26.41	12.576	
4,575.0	4,531.0	4,516.0	4,447.3	13.7	13.8	-28.77	-1.2	-754.6	334.0	307.4	26.62	12.549	
4,600.0	4,555.5	4,540.9	4,471.4	13.8	13.9	-28.86	-1.2	-761.0	335.9	309.1	26.82	12.522	
4,625.0	4,580.0	4,565.9	4,495.5	13.9	14.1	-28.95	-1.2	-767.5	337.8	310.7	27.03	12.496	
4,650.0	4,604.5	4,590.8	4,519.5	14.0	14.2	-29.04	-1.2	-773.9	339.6	312.4	27.24	12.470	
4,675.0	4,629.0	4,615.7	4,543.6	14.1	14.3	-29.13	-1.2	-780.4	341.5	314.1	27.44	12.444	
4,700.0	4,653.5	4,640.6	4,567.7	14.2	14.4	-29.21	-1.2	-786.8	343.4	315.7	27.65	12.419	
4,725.0	4,678.0	4,665.6	4,591.8	14.3	14.5	-29.30	-1.2	-793.3	345.3	317.4	27.86	12.394	
4,750.0	4,702.5	4,690.5	4,615.8	14.5	14.6	-29.38	-1.2	-799.8	347.1	319.1	28.06	12.369	
4,775.0	4,727.0	4,715.4	4,639.9	14.6	14.8	-29.47	-1.2	-806.2	349.0	320.7	28.27	12.345	
4,800.0	4,751.5	4,740.3	4,664.0	14.7	14.9	-29.55	-1.2	-812.7	350.9	322.4	28.48	12.321	
4,825.0	4,776.0	4,765.3	4,688.1	14.8	15.0	-29.63	-1.2	-819.1	352.8	324.1	28.69	12.298	
4,850.0	4,800.5	4,790.2	4,712.1	14.9	15.1	-29.71	-1.2	-825.6	354.7	325.8	28.89	12.275	
4,875.0	4,825.0	4,815.1	4,736.2	15.0	15.2	-29.79	-1.2	-832.0	356.5	327.4	29.10	12.252	
4,900.0	4,849.5	4,840.0	4,760.3	15.1	15.4	-29.87	-1.2	-838.5	358.4	329.1	29.31	12.230	
4,925.0	4,874.0	4,865.0	4,784.4	15.2	15.5	-29.95	-1.2	-844.9	360.3	330.8	29.51	12.208	
4,950.0	4,898.5	4,889.9	4,808.4	15.4	15.6	-30.03	-1.2	-851.4	362.2	332.5	29.72	12.186	
4,975.0	4,923.0	4,914.8	4,832.5	15.5	15.7	-30.10	-1.2	-857.8	364.1	334.1	29.93	12.164	
5,000.0	4,947.5	4,939.7	4,856.6	15.6	15.8	-30.18	-1.2	-864.3	365.9	335.8	30.13	12.143	
5,025.0	4,972.0	4,964.7	4,880.7	15.7	15.9	-30.26	-1.2	-870.7	367.8	337.5	30.34	12.122	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,050.0	4,996.5	4,989.6	4,904.7	15.8	16.1	-30.33	-1.2	-877.2	369.7	339.2	30.55	12.102	
5,075.0	5,021.0	5,014.5	4,928.8	15.9	16.2	-30.40	-1.2	-883.6	371.6	340.8	30.76	12.082	
5,100.0	5,045.5	5,039.4	4,952.9	16.0	16.3	-30.48	-1.2	-890.1	373.5	342.5	30.96	12.062	
5,125.0	5,070.0	5,064.4	4,977.0	16.1	16.4	-30.55	-1.2	-896.5	375.4	344.2	31.17	12.042	
5,150.0	5,094.5	5,089.3	5,001.0	16.3	16.5	-30.62	-1.2	-903.0	377.2	345.9	31.38	12.022	
5,175.0	5,119.0	5,114.2	5,025.1	16.4	16.7	-30.69	-1.2	-909.4	379.1	347.5	31.59	12.003	
5,200.0	5,143.5	5,139.1	5,049.2	16.5	16.8	-30.76	-1.2	-915.9	381.0	349.2	31.79	11.984	
5,225.0	5,168.0	5,164.1	5,073.3	16.6	16.9	-30.83	-1.2	-922.3	382.9	350.9	32.00	11.966	
5,250.0	5,192.4	5,189.0	5,097.3	16.7	17.0	-30.90	-1.2	-928.8	384.8	352.6	32.21	11.947	
5,275.0	5,216.9	5,213.9	5,121.4	16.8	17.1	-30.97	-1.2	-935.2	386.7	354.3	32.41	11.929	
5,300.0	5,241.4	5,238.8	5,145.5	16.9	17.3	-31.04	-1.2	-941.7	388.6	355.9	32.62	11.911	
5,325.0	5,265.9	5,263.7	5,169.6	17.1	17.4	-31.10	-1.2	-948.1	390.5	357.6	32.83	11.894	
5,350.0	5,290.4	5,288.7	5,193.6	17.2	17.5	-31.17	-1.2	-954.6	392.3	359.3	33.04	11.876	
5,375.0	5,314.9	5,313.6	5,217.7	17.3	17.6	-31.24	-1.2	-961.0	394.2	361.0	33.24	11.859	
5,400.0	5,339.4	5,338.5	5,241.8	17.4	17.7	-31.30	-1.2	-967.5	396.1	362.7	33.45	11.842	
5,425.0	5,363.9	5,363.4	5,265.9	17.5	17.9	-31.37	-1.2	-973.9	398.0	364.4	33.66	11.825	
5,450.0	5,388.4	5,388.4	5,289.9	17.6	18.0	-31.43	-1.2	-980.4	399.9	366.1	33.87	11.809	
5,475.0	5,412.9	5,413.3	5,314.0	17.7	18.1	-31.49	-1.2	-986.8	401.8	367.7	34.07	11.793	
5,498.0	5,435.5	5,436.3	5,336.2	17.8	18.2	-31.55	-1.2	-992.8	403.6	369.3	34.26	11.778	
5,500.0	5,437.4	5,438.2	5,338.1	17.8	18.2	-31.56	-1.2	-993.3	403.7	369.4	34.28	11.777	
5,525.0	5,461.9	5,463.1	5,362.2	18.0	18.3	-31.63	-1.2	-999.7	405.7	371.2	34.52	11.751	
5,550.0	5,486.5	5,488.0	5,386.2	18.1	18.5	-31.69	-1.2	-1,006.2	407.8	373.0	34.77	11.728	
5,575.0	5,511.1	5,512.9	5,410.3	18.3	18.6	-31.73	-1.2	-1,012.6	410.0	375.0	35.02	11.708	
5,600.0	5,535.7	5,537.8	5,434.3	18.4	18.7	-31.77	-1.2	-1,019.1	412.4	377.2	35.27	11.693 SF	
5,625.0	5,560.3	5,562.7	5,458.3	18.6	18.8	-31.79	-1.2	-1,025.5	415.0	379.5	35.48	11.694	
5,650.0	5,585.0	5,587.6	5,482.3	18.7	18.9	-31.81	-1.2	-1,031.9	417.6	381.9	35.70	11.699	
5,675.0	5,609.7	5,612.4	5,506.3	18.8	19.1	-31.81	-1.2	-1,038.4	420.4	384.5	35.92	11.706	
5,700.0	5,634.4	5,637.2	5,530.3	18.9	19.2	-31.81	-1.2	-1,044.8	423.4	387.2	36.13	11.717	
5,725.0	5,659.1	5,662.0	5,554.3	19.0	19.3	-31.79	-1.2	-1,051.2	426.5	390.1	36.35	11.732	
5,750.0	5,683.9	5,686.8	5,578.2	19.1	19.4	-31.76	-1.2	-1,057.6	429.7	393.1	36.57	11.750	
5,775.0	5,708.7	5,711.6	5,602.1	19.2	19.5	-31.73	-1.2	-1,064.0	433.0	396.3	36.79	11.771	
5,800.0	5,733.5	5,736.3	5,626.0	19.3	19.7	-31.68	-1.2	-1,070.4	436.5	399.5	37.01	11.795	
5,825.0	5,758.3	5,761.1	5,649.9	19.4	19.8	-31.63	-1.2	-1,076.8	440.2	402.9	37.23	11.823	
5,850.0	5,783.1	5,785.8	5,673.8	19.5	19.9	-31.56	-1.2	-1,083.2	444.0	406.5	37.45	11.854	
5,875.0	5,808.0	5,810.4	5,697.6	19.6	20.0	-31.49	-1.2	-1,089.6	447.9	410.2	37.67	11.888	
5,900.0	5,832.9	5,835.1	5,721.4	19.7	20.1	-31.41	-1.2	-1,096.0	451.9	414.0	37.90	11.925	
5,925.0	5,857.8	5,859.7	5,745.2	19.8	20.3	-31.33	-1.2	-1,102.4	456.1	418.0	38.12	11.966	
5,950.0	5,882.7	5,884.3	5,769.0	19.9	20.4	-31.23	-1.2	-1,108.7	460.4	422.1	38.34	12.010	
5,975.0	5,907.6	5,910.9	5,794.6	20.0	20.5	-31.12	-1.2	-1,115.6	464.9	426.3	38.57	12.052	
6,000.0	5,932.5	5,937.5	5,820.4	20.1	20.6	-31.01	-1.2	-1,122.3	469.3	430.5	38.82	12.091	
6,025.0	5,957.5	5,964.1	5,846.2	20.2	20.8	-30.89	-1.2	-1,128.9	473.8	434.8	39.05	12.133	
6,050.0	5,982.4	5,990.8	5,872.1	20.3	20.9	-30.77	-1.2	-1,135.4	478.3	439.0	39.29	12.175	
6,075.0	6,007.4	6,017.5	5,898.0	20.4	21.0	-30.64	-1.2	-1,141.7	482.9	443.4	39.52	12.219	
6,100.0	6,032.4	6,044.2	5,923.9	20.5	21.1	-30.51	-1.2	-1,148.0	487.5	447.7	39.75	12.263	
6,125.0	6,057.4	6,070.9	5,949.9	20.5	21.3	-30.38	-1.2	-1,154.1	492.1	452.1	39.97	12.311	
6,150.0	6,082.4	6,097.6	5,976.0	20.6	21.4	-30.25	-1.2	-1,160.1	496.7	456.5	40.19	12.359	
6,175.0	6,107.3	6,124.3	6,002.0	20.7	21.5	-30.11	-1.2	-1,166.0	501.4	461.0	40.41	12.407	
6,200.0	6,132.3	6,151.1	6,028.2	20.8	21.7	-29.98	-1.2	-1,171.8	506.1	465.5	40.63	12.457	
6,225.0	6,157.3	6,177.8	6,054.3	20.8	21.8	-29.83	-1.2	-1,177.5	510.9	470.1	40.82	12.516	
6,250.0	6,182.3	6,204.6	6,080.5	20.8	21.9	-29.69	-1.2	-1,183.0	515.7	474.7	41.01	12.576	
6,264.7	6,197.0	6,220.4	6,095.9	20.9	22.0	-107.43	-1.2	-1,186.2	518.5	477.4	41.11	12.612	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,275.0	6,207.3	6,231.4	6,106.8	20.9	22.0	-107.36	-1.2	-1,188.4	520.5	479.3	41.18	12.640	
6,300.0	6,232.3	6,258.3	6,133.1	20.9	22.2	-107.18	-1.2	-1,193.7	525.2	483.9	41.34	12.707	
6,325.0	6,257.3	6,285.2	6,159.5	20.9	22.3	-107.01	-1.2	-1,198.9	529.9	488.4	41.50	12.768	
6,350.0	6,282.3	6,312.1	6,186.0	20.9	22.4	-106.85	-1.2	-1,204.0	534.4	492.7	41.66	12.828	
6,375.0	6,307.3	6,339.1	6,212.5	20.9	22.5	-106.69	-1.2	-1,209.0	538.8	497.0	41.81	12.886	
6,400.0	6,332.3	6,366.2	6,239.1	20.9	22.6	-106.54	-1.2	-1,213.8	543.1	501.1	41.97	12.941	
6,425.0	6,357.3	6,393.3	6,265.8	20.9	22.8	-106.40	-1.2	-1,218.6	547.3	505.1	42.12	12.993	
6,450.0	6,382.3	6,420.4	6,292.5	20.9	22.9	-106.26	-1.2	-1,223.2	551.4	509.1	42.27	13.044	
6,475.0	6,407.3	6,447.6	6,319.3	20.9	23.0	-106.13	-1.2	-1,227.7	555.3	512.9	42.42	13.092	
6,500.0	6,432.3	6,474.8	6,346.2	20.9	23.1	-106.01	-1.2	-1,232.0	559.2	516.6	42.56	13.138	
6,525.0	6,457.3	6,502.1	6,373.1	21.0	23.3	-105.89	-1.2	-1,236.3	562.9	520.2	42.71	13.181	
6,550.0	6,482.3	6,529.4	6,400.1	21.0	23.4	-105.77	-1.2	-1,240.4	566.6	523.7	42.85	13.223	
6,575.0	6,507.3	6,556.7	6,427.2	21.0	23.5	-105.66	-1.2	-1,244.4	570.1	527.1	42.99	13.262	
6,600.0	6,532.3	6,584.1	6,454.3	21.0	23.6	-105.55	-1.2	-1,248.3	573.5	530.4	43.12	13.299	
6,625.0	6,557.3	6,611.5	6,481.4	21.0	23.7	-105.45	-1.2	-1,252.1	576.8	533.6	43.26	13.334	
6,650.0	6,582.3	6,639.0	6,508.6	21.0	23.8	-105.36	-1.2	-1,255.7	580.0	536.6	43.39	13.367	
6,675.0	6,607.3	6,666.5	6,535.9	21.0	24.0	-105.27	-1.2	-1,259.2	583.1	539.6	43.52	13.398	
6,700.0	6,632.3	6,694.0	6,563.2	21.0	24.1	-105.18	-1.2	-1,262.6	586.1	542.4	43.65	13.426	
6,725.0	6,657.3	6,721.5	6,590.6	21.0	24.2	-105.09	-1.2	-1,265.8	588.9	545.1	43.78	13.453	
6,750.0	6,682.3	6,749.1	6,618.0	21.0	24.3	-105.02	-1.2	-1,269.0	591.6	547.7	43.90	13.477	
6,775.0	6,707.3	6,776.7	6,645.4	21.1	24.4	-104.94	-1.2	-1,271.9	594.3	550.2	44.02	13.500	
6,800.0	6,732.3	6,804.4	6,672.9	21.1	24.5	-104.87	-1.2	-1,274.8	596.8	552.6	44.14	13.520	
6,825.0	6,757.3	6,832.1	6,700.5	21.1	24.6	-104.80	-1.2	-1,277.5	599.1	554.9	44.25	13.539	
6,850.0	6,782.3	6,859.7	6,728.0	21.1	24.7	-104.74	-1.2	-1,280.1	601.4	557.1	44.37	13.556	
6,875.0	6,807.3	6,887.5	6,755.6	21.1	24.9	-104.68	-1.2	-1,282.6	603.6	559.1	44.48	13.570	
6,900.0	6,832.3	6,915.2	6,783.3	21.1	25.0	-104.62	-1.2	-1,285.0	605.6	561.0	44.59	13.583	
6,925.0	6,857.3	6,943.0	6,811.0	21.1	25.1	-104.57	-1.2	-1,287.2	607.5	562.9	44.69	13.594	
6,950.0	6,882.3	6,970.8	6,838.7	21.1	25.2	-104.52	-1.2	-1,289.2	609.4	564.6	44.79	13.603	
6,975.0	6,907.3	6,998.6	6,866.4	21.1	25.3	-104.47	-1.2	-1,291.2	611.0	566.1	44.90	13.610	
7,000.0	6,932.3	7,026.4	6,894.2	21.1	25.4	-104.43	-1.2	-1,293.0	612.6	567.6	44.99	13.616	
7,025.0	6,957.3	7,054.2	6,922.0	21.2	25.5	-104.39	-1.2	-1,294.7	614.1	569.0	45.09	13.620	
7,050.0	6,982.3	7,082.1	6,949.8	21.2	25.6	-104.36	-1.2	-1,296.2	615.4	570.2	45.18	13.622	
7,075.0	7,007.3	7,110.0	6,977.6	21.2	25.7	-104.32	-1.2	-1,297.6	616.6	571.4	45.27	13.623	
7,100.0	7,032.3	7,137.9	7,005.5	21.2	25.8	-104.30	-1.2	-1,298.9	617.7	572.4	45.35	13.623	
7,125.0	7,057.3	7,165.7	7,033.4	21.2	25.8	-104.27	-1.2	-1,300.0	618.7	573.3	45.43	13.620	
7,150.0	7,082.3	7,193.7	7,061.2	21.2	25.9	-104.25	-1.2	-1,301.0	619.6	574.1	45.51	13.616	
7,175.0	7,107.3	7,221.6	7,089.1	21.2	26.0	-104.23	-1.2	-1,301.9	620.4	574.8	45.58	13.612	
7,200.0	7,132.3	7,249.5	7,117.1	21.2	26.1	-104.21	-1.2	-1,302.6	621.0	575.3	45.64	13.606	
7,225.0	7,157.3	7,277.4	7,145.0	21.2	26.2	-104.20	-1.2	-1,303.2	621.5	575.8	45.70	13.599	
7,250.0	7,182.3	7,305.4	7,172.9	21.2	26.2	-104.19	-1.2	-1,303.7	621.9	576.1	45.76	13.591	
7,275.0	7,207.3	7,333.3	7,200.9	21.3	26.3	-104.18	-1.2	-1,304.0	622.2	576.4	45.78	13.592	
7,300.0	7,232.3	7,361.2	7,228.8	21.3	26.3	-104.17	-1.2	-1,304.2	622.3	576.6	45.79	13.590	
7,325.0	7,257.3	7,389.2	7,256.7	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.6	45.81	13.587	
7,332.3	7,264.7	7,396.1	7,263.7	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.6	45.81	13.586	
7,350.0	7,282.3	7,413.8	7,281.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.6	45.82	13.582	
7,375.0	7,307.3	7,438.8	7,306.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.5	45.84	13.576	
7,400.0	7,332.3	7,463.8	7,331.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.5	45.86	13.570	
7,425.0	7,357.3	7,488.8	7,356.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.5	45.88	13.564	
7,450.0	7,382.3	7,513.8	7,381.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.5	45.90	13.559	
7,475.0	7,407.3	7,538.8	7,406.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.5	45.92	13.554	
7,500.0	7,432.3	7,563.8	7,431.3	21.3	26.4	-104.17	-1.2	-1,304.2	622.4	576.4	45.94	13.549	

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 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,525.0	7,457.3	7,588.8	7,456.3	21.4	26.4	-104.17	-1.2	-1,304.2	622.4	576.4	45.95	13.543	
7,550.0	7,482.3	7,613.8	7,481.3	21.4	26.4	-104.17	-1.2	-1,304.2	622.4	576.4	45.97	13.538	
7,575.0	7,507.3	7,638.8	7,506.3	21.4	26.4	-104.17	-1.2	-1,304.2	622.4	576.4	45.99	13.533	
7,600.0	7,532.3	7,663.8	7,531.3	21.4	26.4	-104.17	-1.2	-1,304.2	622.4	576.4	46.01	13.528	
7,625.0	7,557.3	7,688.8	7,556.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.4	46.03	13.523	
7,650.0	7,582.3	7,713.8	7,581.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.04	13.518	
7,675.0	7,607.3	7,738.8	7,606.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.06	13.512	
7,700.0	7,632.3	7,763.8	7,631.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.08	13.507	
7,725.0	7,657.3	7,788.8	7,656.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.10	13.502	
7,750.0	7,682.3	7,813.8	7,681.3	21.4	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.11	13.497	
7,775.0	7,707.3	7,838.8	7,706.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.3	46.13	13.492	
7,800.0	7,732.3	7,863.8	7,731.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.2	46.15	13.486	
7,825.0	7,757.3	7,888.8	7,756.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.2	46.17	13.481	
7,850.0	7,782.3	7,913.8	7,781.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.2	46.18	13.476	
7,875.0	7,807.3	7,938.8	7,806.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.2	46.20	13.471	
7,900.0	7,832.3	7,963.8	7,831.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.2	46.22	13.466	
7,925.0	7,857.3	7,988.8	7,856.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.1	46.24	13.460	
7,950.0	7,882.3	8,013.8	7,881.3	21.5	26.5	-104.17	-1.2	-1,304.2	622.4	576.1	46.26	13.455	
7,975.0	7,907.3	8,038.8	7,906.3	21.5	26.6	-104.17	-1.2	-1,304.2	622.4	576.1	46.27	13.450	
8,000.0	7,932.3	8,063.8	7,931.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.1	46.29	13.445	
8,025.0	7,957.3	8,088.8	7,956.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.1	46.31	13.439	
8,050.0	7,982.3	8,113.8	7,981.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.1	46.33	13.434	
8,075.0	8,007.3	8,138.8	8,006.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.0	46.35	13.429	
8,100.0	8,032.3	8,163.8	8,031.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.0	46.37	13.424	
8,125.0	8,057.3	8,188.8	8,056.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.0	46.38	13.418	
8,150.0	8,082.3	8,213.8	8,081.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.0	46.40	13.413	
8,175.0	8,107.3	8,238.8	8,106.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	576.0	46.42	13.408	
8,200.0	8,132.3	8,263.8	8,131.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	575.9	46.44	13.403	
8,225.0	8,157.3	8,288.8	8,156.3	21.6	26.6	-104.17	-1.2	-1,304.2	622.4	575.9	46.46	13.397	
8,250.0	8,182.3	8,313.8	8,181.3	21.7	26.6	-104.17	-1.2	-1,304.2	622.4	575.9	46.47	13.392	
8,275.0	8,207.3	8,338.8	8,206.3	21.7	26.6	-104.17	-1.2	-1,304.2	622.4	575.9	46.49	13.387	
8,300.0	8,232.3	8,363.8	8,231.3	21.7	26.6	-104.17	-1.2	-1,304.2	622.4	575.9	46.51	13.381	
8,325.0	8,257.3	8,388.8	8,256.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.9	46.53	13.376	
8,350.0	8,282.3	8,413.8	8,281.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.8	46.55	13.371	
8,375.0	8,307.3	8,438.8	8,306.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.8	46.57	13.366	
8,400.0	8,332.3	8,463.8	8,331.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.8	46.59	13.360	
8,425.0	8,357.3	8,488.8	8,356.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.8	46.60	13.355	
8,450.0	8,382.3	8,513.8	8,381.3	21.7	26.7	-104.17	-1.2	-1,304.2	622.4	575.8	46.62	13.350	
8,475.0	8,407.3	8,538.8	8,406.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.64	13.344	
8,500.0	8,432.3	8,563.8	8,431.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.66	13.339	
8,525.0	8,457.3	8,588.8	8,456.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.68	13.334	
8,550.0	8,482.3	8,613.8	8,481.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.70	13.328	
8,575.0	8,507.3	8,638.8	8,506.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.72	13.323	
8,600.0	8,532.3	8,663.8	8,531.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.7	46.73	13.318	
8,625.0	8,557.3	8,688.8	8,556.3	21.8	26.7	-104.17	-1.2	-1,304.2	622.4	575.6	46.75	13.312	
8,650.0	8,582.3	8,713.8	8,581.3	21.8	26.8	-104.17	-1.2	-1,304.2	622.4	575.6	46.77	13.307	
8,675.0	8,607.3	8,738.8	8,606.3	21.8	26.8	-104.17	-1.2	-1,304.2	622.4	575.6	46.79	13.302	
8,700.0	8,632.3	8,763.8	8,631.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.6	46.81	13.296	
8,725.0	8,657.3	8,788.8	8,656.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.6	46.83	13.291	
8,750.0	8,682.3	8,813.8	8,681.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.5	46.85	13.286	
8,775.0	8,707.3	8,838.8	8,706.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.5	46.87	13.280	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,800.0	8,732.3	8,863.8	8,731.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.5	46.88	13.275	
8,825.0	8,757.3	8,888.8	8,756.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.5	46.90	13.269	
8,850.0	8,782.3	8,913.8	8,781.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.5	46.92	13.264	
8,875.0	8,807.3	8,938.8	8,806.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.4	46.94	13.259	
8,900.0	8,832.3	8,963.8	8,831.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.4	46.96	13.253	
8,925.0	8,857.3	8,988.8	8,856.3	21.9	26.8	-104.17	-1.2	-1,304.2	622.4	575.4	46.98	13.248	
8,950.0	8,882.3	9,013.8	8,881.3	22.0	26.8	-104.17	-1.2	-1,304.2	622.4	575.4	47.00	13.243	
8,975.0	8,907.3	9,038.8	8,906.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.4	47.02	13.237	
9,000.0	8,932.3	9,063.8	8,931.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.4	47.04	13.232	
9,025.0	8,957.3	9,088.8	8,956.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.3	47.06	13.226	
9,050.0	8,982.3	9,113.8	8,981.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.3	47.08	13.221	
9,075.0	9,007.3	9,138.8	9,006.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.3	47.09	13.216	
9,100.0	9,032.3	9,163.8	9,031.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.3	47.11	13.210	
9,125.0	9,057.3	9,188.8	9,056.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.3	47.13	13.206	
9,150.0	9,082.3	9,213.8	9,081.3	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.2	47.14	13.202	
9,161.2	9,093.6	9,225.0	9,092.6	22.0	26.9	-104.17	-1.2	-1,304.2	622.4	575.2	47.15	13.200	
9,175.0	9,107.3	9,238.8	9,106.3	22.0	26.9	-104.12	-1.2	-1,304.2	622.4	575.3	47.15	13.201	
9,200.0	9,132.3	9,263.7	9,131.3	22.0	26.9	-104.20	-1.2	-1,304.2	622.8	575.6	47.14	13.210	
9,225.0	9,157.1	9,288.6	9,156.1	22.0	26.9	-104.36	-1.2	-1,304.2	623.4	576.3	47.12	13.232	
9,250.0	9,181.8	9,313.3	9,180.8	22.0	26.9	-104.59	-1.2	-1,304.2	624.4	577.4	47.07	13.267	
9,275.0	9,206.3	9,337.7	9,205.3	22.1	26.9	-104.89	-1.2	-1,304.2	625.8	578.8	47.00	13.315	
9,300.0	9,230.4	9,361.8	9,229.4	22.1	27.0	-105.25	-1.2	-1,304.2	627.6	580.7	46.91	13.378	
9,325.0	9,254.1	9,385.6	9,253.1	22.1	27.0	-105.65	-1.2	-1,304.2	629.7	582.9	46.80	13.455	
9,350.0	9,277.5	9,408.9	9,276.5	22.1	27.0	-106.08	-1.2	-1,304.2	632.4	585.7	46.67	13.549	
9,375.0	9,300.3	9,431.7	9,299.3	22.1	27.0	-106.53	-1.2	-1,304.2	635.5	589.0	46.52	13.661	
9,400.0	9,322.5	9,454.0	9,321.5	22.1	27.0	-106.99	-1.2	-1,304.2	639.2	592.8	46.34	13.792	
9,425.0	9,344.1	9,475.6	9,343.1	22.1	27.0	-107.44	-1.2	-1,304.2	643.4	597.3	46.14	13.943	
9,450.0	9,365.0	9,496.5	9,364.0	22.1	27.0	-107.86	-1.2	-1,304.2	648.3	602.3	45.92	14.117	
9,475.0	9,385.2	9,516.7	9,384.2	22.1	27.0	-108.23	-1.2	-1,304.2	653.8	608.1	45.68	14.313	
9,500.0	9,404.6	9,536.1	9,403.6	22.1	27.0	-108.55	-1.2	-1,304.2	660.0	614.6	45.41	14.534	
9,525.0	9,423.1	9,554.6	9,422.1	22.1	27.0	-108.78	-1.2	-1,304.2	667.0	621.8	45.13	14.780	
9,550.0	9,440.8	9,572.2	9,439.8	22.1	27.0	-108.92	-1.2	-1,304.2	674.7	629.9	44.82	15.054	
9,575.0	9,457.4	9,588.9	9,456.4	22.1	27.0	-108.95	-1.2	-1,304.2	683.2	638.7	44.50	15.354	
9,600.0	9,473.1	9,604.6	9,472.1	22.1	27.0	-108.84	-1.2	-1,304.2	692.6	648.4	44.16	15.683	
9,625.0	9,487.8	9,619.2	9,486.8	22.1	27.0	-108.59	-1.2	-1,304.2	702.7	658.9	43.81	16.041	
9,650.0	9,501.3	9,632.8	9,500.3	22.1	27.0	-108.17	-1.2	-1,304.2	713.7	670.2	43.45	16.426	
9,675.0	9,513.8	9,645.2	9,512.8	22.2	27.0	-107.57	-1.2	-1,304.2	725.5	682.4	43.08	16.841	
9,700.0	9,525.1	9,656.5	9,524.1	22.2	27.1	-106.76	-1.2	-1,304.2	738.1	695.4	42.71	17.282	
9,725.0	9,535.2	9,666.6	9,534.2	22.2	27.1	-105.75	-1.2	-1,304.2	751.5	709.1	42.33	17.751	
9,750.0	9,544.1	9,675.5	9,543.1	22.2	27.1	-104.49	-1.2	-1,304.2	765.6	723.7	41.96	18.246	
9,775.0	9,551.7	9,683.2	9,550.7	22.2	27.1	-102.99	-1.2	-1,304.2	780.5	738.9	41.59	18.765	
9,800.0	9,558.1	9,689.6	9,557.1	22.3	27.1	-101.22	-1.2	-1,304.2	796.0	754.8	41.23	19.308	
9,825.0	9,563.3	9,694.7	9,562.3	22.3	27.1	-99.18	-1.2	-1,304.2	812.2	771.3	40.87	19.871	
9,850.0	9,567.1	9,698.5	9,566.1	22.3	27.1	-96.86	-1.2	-1,304.2	828.9	788.4	40.53	20.453	
9,875.0	9,569.6	9,701.1	9,568.6	22.3	27.1	-94.26	-1.2	-1,304.2	846.2	806.0	40.19	21.052	
9,900.0	9,570.9	9,702.3	9,569.9	22.4	27.1	-91.38	-1.2	-1,304.2	863.8	824.0	39.87	21.666	
9,907.4	9,571.0	9,702.4	9,570.0	22.4	27.1	-90.48	-1.2	-1,304.2	869.1	829.4	39.78	21.850	
9,925.0	9,571.1	9,702.6	9,570.1	22.4	27.1	-90.49	-1.2	-1,304.2	881.9	842.3	39.56	22.291	
9,950.0	9,571.3	9,702.8	9,570.3	22.4	27.1	-90.51	-1.2	-1,304.2	900.3	861.0	39.27	22.926	
9,975.0	9,571.5	9,703.0	9,570.5	22.5	27.1	-90.53	-1.2	-1,304.2	919.0	880.0	38.99	23.571	
10,000.0	9,571.7	9,703.2	9,570.7	22.5	27.1	-90.55	-1.2	-1,304.2	938.0	899.3	38.72	24.225	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10167-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,025.0	9,571.9	9,703.4	9,570.9	22.6	27.1	-90.57	-1.2	-1,304.2	957.2	918.8	38.47	24.884	
10,050.0	9,572.1	9,703.6	9,571.1	22.6	27.1	-90.59	-1.2	-1,304.2	976.8	938.5	38.23	25.552	
10,075.0	9,572.3	9,703.8	9,571.3	22.7	27.1	-90.60	-1.2	-1,304.2	996.5	958.6	38.00	26.227	

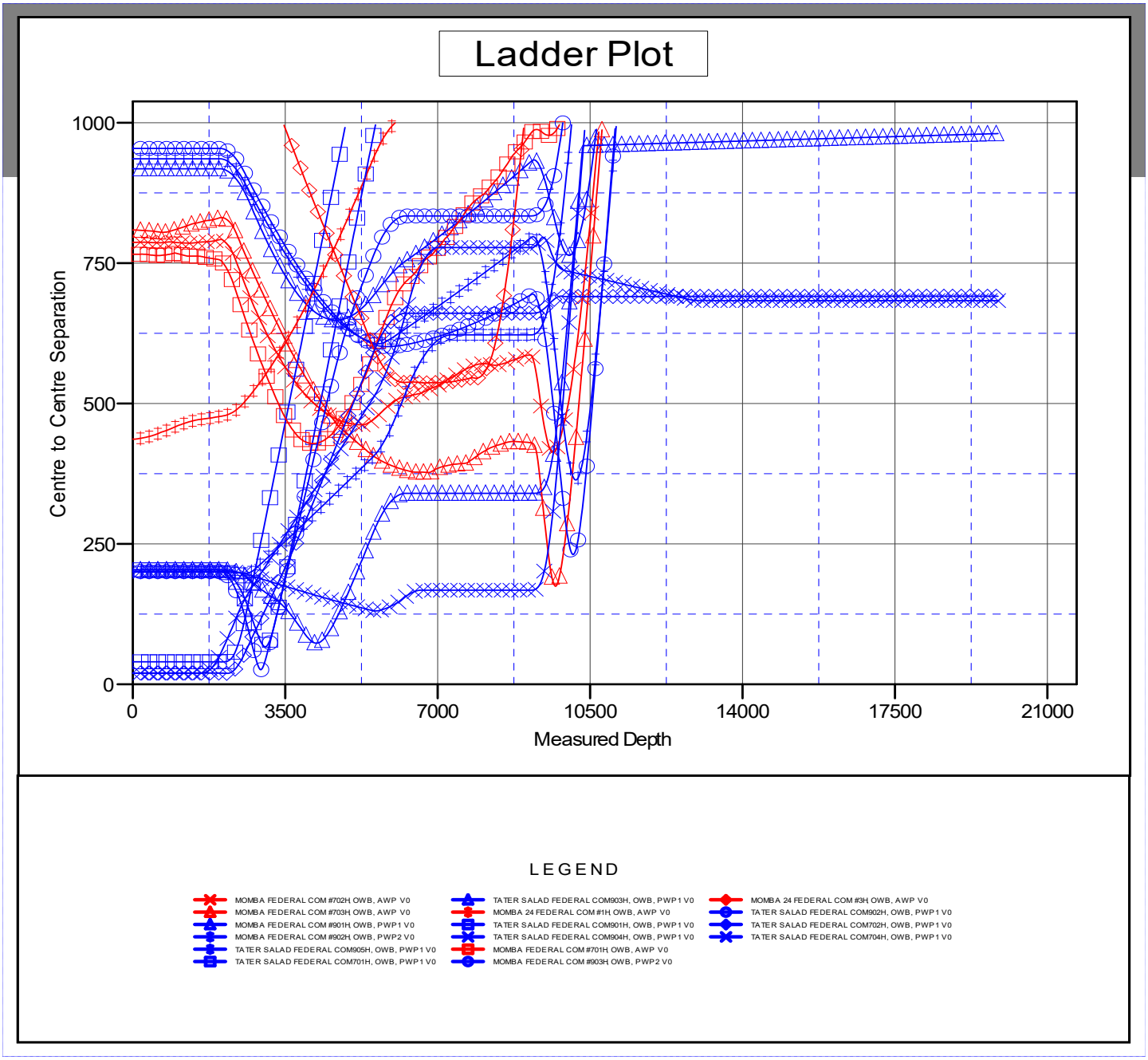
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 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 @ 2946.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 703H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.16°



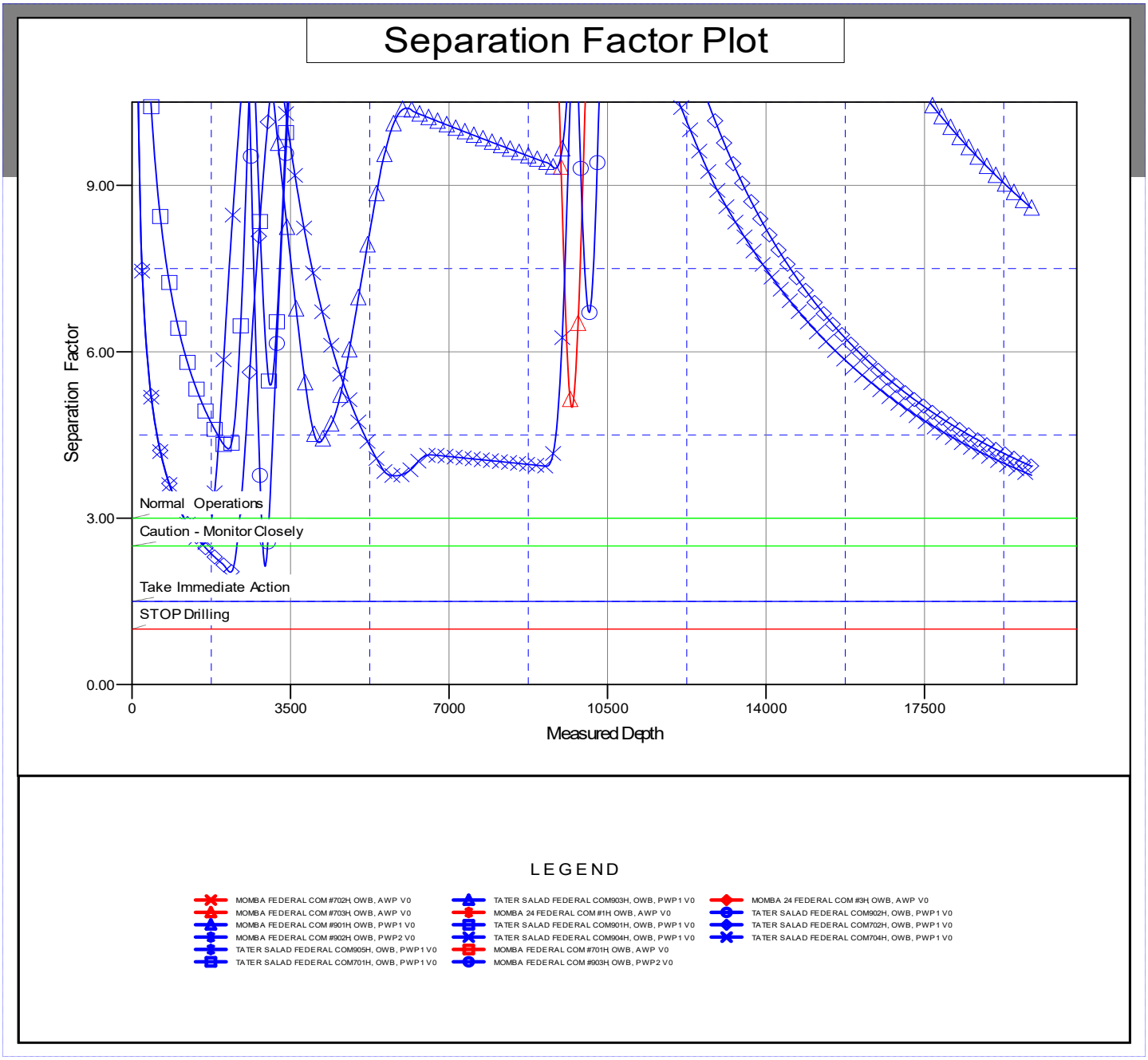
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 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 @ 2946.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 703H
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 703H
300154774700
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 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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 703H

Well Position	**+N/-S**	0.0 usft	**Northing:**	376,450.60 usft	**Latitude:**	32° 2' 4.653 N
	+E/-W	0.0 usft	**Easting:**	592,515.20 usft	**Longitude:**	104° 2' 5.210 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,914.0 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	47,044.45804977

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	356.15

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	9,161.2	PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	9,161.2	19,866.3	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 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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	
2,575.0	11.50	282.18	2,571.1	12.1	-56.2	2.00	2.00	0.00	282.18	
5,498.0	11.50	282.18	5,435.5	135.0	-625.8	0.00	0.00	0.00	0.00	
6,264.7	0.00	0.00	6,197.0	151.2	-700.8	1.50	-1.50	0.00	180.00	
9,161.2	0.00	0.00	9,093.6	151.2	-700.8	0.00	0.00	0.00	0.00	
9,907.4	89.54	359.93	9,571.0	624.8	-701.3	12.00	12.00	-0.01	359.93	
19,866.3	89.54	359.93	9,651.0	10,583.4	-712.9	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 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	282.18	2,100.0	0.4	-1.7	0.5	2.00	2.00	0.00
2,200.0	4.00	282.18	2,199.8	1.5	-6.8	1.9	2.00	2.00	0.00
2,300.0	6.00	282.18	2,299.5	3.3	-15.3	4.3	2.00	2.00	0.00
2,400.0	8.00	282.18	2,398.7	5.9	-27.3	7.7	2.00	2.00	0.00
2,500.0	10.00	282.18	2,497.5	9.2	-42.5	12.0	2.00	2.00	0.00
2,575.0	11.50	282.18	2,571.1	12.1	-56.2	15.9	2.00	2.00	0.00
2,600.0	11.50	282.18	2,595.6	13.2	-61.1	17.3	0.00	0.00	0.00
2,700.0	11.50	282.18	2,693.6	17.4	-80.6	22.8	0.00	0.00	0.00
2,800.0	11.50	282.18	2,791.6	21.6	-100.1	28.3	0.00	0.00	0.00
2,900.0	11.50	282.18	2,889.6	25.8	-119.6	33.8	0.00	0.00	0.00
3,000.0	11.50	282.18	2,987.6	30.0	-139.0	39.3	0.00	0.00	0.00
3,100.0	11.50	282.18	3,085.6	34.2	-158.5	44.8	0.00	0.00	0.00
3,200.0	11.50	282.18	3,183.6	38.4	-178.0	50.3	0.00	0.00	0.00
3,300.0	11.50	282.18	3,281.6	42.6	-197.5	55.8	0.00	0.00	0.00
3,400.0	11.50	282.18	3,379.6	46.8	-217.0	61.3	0.00	0.00	0.00
3,500.0	11.50	282.18	3,477.6	51.0	-236.5	66.8	0.00	0.00	0.00
3,600.0	11.50	282.18	3,575.6	55.2	-256.0	72.3	0.00	0.00	0.00
3,700.0	11.50	282.18	3,673.6	59.4	-275.5	77.8	0.00	0.00	0.00
3,800.0	11.50	282.18	3,771.6	63.6	-294.9	83.3	0.00	0.00	0.00
3,900.0	11.50	282.18	3,869.5	67.8	-314.4	88.8	0.00	0.00	0.00
4,000.0	11.50	282.18	3,967.5	72.0	-333.9	94.3	0.00	0.00	0.00
4,100.0	11.50	282.18	4,065.5	76.2	-353.4	99.8	0.00	0.00	0.00
4,200.0	11.50	282.18	4,163.5	80.5	-372.9	105.3	0.00	0.00	0.00
4,300.0	11.50	282.18	4,261.5	84.7	-392.4	110.8	0.00	0.00	0.00
4,400.0	11.50	282.18	4,359.5	88.9	-411.9	116.3	0.00	0.00	0.00
4,500.0	11.50	282.18	4,457.5	93.1	-431.4	121.8	0.00	0.00	0.00
4,600.0	11.50	282.18	4,555.5	97.3	-450.8	127.4	0.00	0.00	0.00
4,700.0	11.50	282.18	4,653.5	101.5	-470.3	132.9	0.00	0.00	0.00
4,800.0	11.50	282.18	4,751.5	105.7	-489.8	138.4	0.00	0.00	0.00
4,900.0	11.50	282.18	4,849.5	109.9	-509.3	143.9	0.00	0.00	0.00
5,000.0	11.50	282.18	4,947.5	114.1	-528.8	149.4	0.00	0.00	0.00
5,100.0	11.50	282.18	5,045.5	118.3	-548.3	154.9	0.00	0.00	0.00
5,200.0	11.50	282.18	5,143.5	122.5	-567.8	160.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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)
5,300.0	11.50	282.18	5,241.4	126.7	-587.3	165.9	0.00	0.00	0.00
5,400.0	11.50	282.18	5,339.4	130.9	-606.7	171.4	0.00	0.00	0.00
5,498.0	11.50	282.18	5,435.5	135.0	-625.8	176.8	0.00	0.00	0.00
5,500.0	11.47	282.18	5,437.4	135.1	-626.2	176.9	1.50	-1.50	0.00
5,600.0	9.97	282.18	5,535.7	139.0	-644.4	182.0	1.50	-1.50	0.00
5,700.0	8.47	282.18	5,634.4	142.4	-660.1	186.5	1.50	-1.50	0.00
5,800.0	6.97	282.18	5,733.5	145.2	-673.2	190.2	1.50	-1.50	0.00
5,900.0	5.47	282.18	5,832.9	147.5	-683.8	193.2	1.50	-1.50	0.00
6,000.0	3.97	282.18	5,932.5	149.3	-691.8	195.4	1.50	-1.50	0.00
6,100.0	2.47	282.18	6,032.4	150.5	-697.3	197.0	1.50	-1.50	0.00
6,200.0	0.97	282.18	6,132.3	151.1	-700.3	197.8	1.50	-1.50	0.00
6,264.7	0.00	0.00	6,197.0	151.2	-700.8	198.0	1.50	-1.50	0.00
6,300.0	0.00	0.00	6,232.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,332.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,432.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,532.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,632.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,732.3	151.2	-700.8	198.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,832.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,932.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,032.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,132.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,232.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,332.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,432.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,532.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,632.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,732.3	151.2	-700.8	198.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,832.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,932.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,032.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,132.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,232.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,332.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,432.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,532.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,632.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,732.3	151.2	-700.8	198.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,832.3	151.2	-700.8	198.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,932.3	151.2	-700.8	198.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,032.3	151.2	-700.8	198.0	0.00	0.00	0.00
9,161.2	0.00	0.00	9,093.6	151.2	-700.8	198.0	0.00	0.00	0.00
9,175.0	1.65	359.93	9,107.3	151.4	-700.8	198.2	12.00	12.00	0.00
9,200.0	4.65	359.93	9,132.3	152.8	-700.8	199.5	12.00	12.00	0.00
9,225.0	7.65	359.93	9,157.1	155.5	-700.8	202.2	12.00	12.00	0.00
9,250.0	10.65	359.93	9,181.8	159.4	-700.8	206.2	12.00	12.00	0.00
9,275.0	13.65	359.93	9,206.3	164.7	-700.8	211.4	12.00	12.00	0.00
9,300.0	16.65	359.93	9,230.4	171.2	-700.8	217.9	12.00	12.00	0.00
9,325.0	19.65	359.93	9,254.1	179.0	-700.8	225.7	12.00	12.00	0.00
9,350.0	22.65	359.93	9,277.5	188.0	-700.8	234.7	12.00	12.00	0.00
9,375.0	25.65	359.93	9,300.3	198.3	-700.9	244.9	12.00	12.00	0.00
9,400.0	28.65	359.93	9,322.5	209.7	-700.9	256.3	12.00	12.00	0.00
9,425.0	31.65	359.93	9,344.1	222.2	-700.9	268.8	12.00	12.00	0.00
9,450.0	34.65	359.93	9,365.0	235.9	-700.9	282.5	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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)
9,475.0	37.65	359.93	9,385.2	250.6	-700.9	297.2	12.00	12.00	0.00
9,500.0	40.65	359.93	9,404.6	266.4	-700.9	312.9	12.00	12.00	0.00
9,525.0	43.65	359.93	9,423.1	283.2	-701.0	329.7	12.00	12.00	0.00
9,550.0	46.65	359.93	9,440.8	300.9	-701.0	347.4	12.00	12.00	0.00
9,575.0	49.65	359.93	9,457.4	319.6	-701.0	365.9	12.00	12.00	0.00
9,600.0	52.65	359.93	9,473.1	339.0	-701.0	385.4	12.00	12.00	0.00
9,625.0	55.65	359.93	9,487.8	359.3	-701.0	405.6	12.00	12.00	0.00
9,650.0	58.65	359.93	9,501.3	380.3	-701.1	426.5	12.00	12.00	0.00
9,675.0	61.65	359.93	9,513.8	402.0	-701.1	448.2	12.00	12.00	0.00
9,700.0	64.65	359.93	9,525.1	424.3	-701.1	470.4	12.00	12.00	0.00
9,725.0	67.65	359.93	9,535.2	447.1	-701.1	493.2	12.00	12.00	0.00
9,750.0	70.65	359.93	9,544.1	470.5	-701.2	516.6	12.00	12.00	0.00
9,775.0	73.65	359.93	9,551.7	494.3	-701.2	540.3	12.00	12.00	0.00
9,800.0	76.65	359.93	9,558.1	518.5	-701.2	564.4	12.00	12.00	0.00
9,825.0	79.65	359.93	9,563.3	542.9	-701.3	588.8	12.00	12.00	0.00
9,850.0	82.65	359.93	9,567.1	567.6	-701.3	613.5	12.00	12.00	0.00
9,875.0	85.65	359.93	9,569.6	592.5	-701.3	638.3	12.00	12.00	0.00
9,900.0	88.65	359.93	9,570.9	617.4	-701.3	663.2	12.00	12.00	0.00
9,907.4	89.54	359.93	9,571.0	624.8	-701.3	670.6	12.00	12.00	0.00
10,000.0	89.54	359.93	9,571.7	717.4	-701.5	763.0	0.00	0.00	0.00
10,100.0	89.54	359.93	9,572.5	817.4	-701.6	862.7	0.00	0.00	0.00
10,200.0	89.54	359.93	9,573.4	917.4	-701.7	962.5	0.00	0.00	0.00
10,300.0	89.54	359.93	9,574.2	1,017.4	-701.8	1,062.3	0.00	0.00	0.00
10,400.0	89.54	359.93	9,575.0	1,117.4	-701.9	1,162.1	0.00	0.00	0.00
10,500.0	89.54	359.93	9,575.8	1,217.4	-702.0	1,261.9	0.00	0.00	0.00
10,600.0	89.54	359.93	9,576.6	1,317.4	-702.2	1,361.6	0.00	0.00	0.00
10,700.0	89.54	359.93	9,577.4	1,417.4	-702.3	1,461.4	0.00	0.00	0.00
10,800.0	89.54	359.93	9,578.2	1,517.4	-702.4	1,561.2	0.00	0.00	0.00
10,900.0	89.54	359.93	9,579.0	1,617.4	-702.5	1,661.0	0.00	0.00	0.00
11,000.0	89.54	359.93	9,579.8	1,717.4	-702.6	1,760.8	0.00	0.00	0.00
11,100.0	89.54	359.93	9,580.6	1,817.4	-702.7	1,860.5	0.00	0.00	0.00
11,200.0	89.54	359.93	9,581.4	1,917.4	-702.9	1,960.3	0.00	0.00	0.00
11,300.0	89.54	359.93	9,582.2	2,017.4	-703.0	2,060.1	0.00	0.00	0.00
11,400.0	89.54	359.93	9,583.0	2,117.4	-703.1	2,159.9	0.00	0.00	0.00
11,500.0	89.54	359.93	9,583.8	2,217.4	-703.2	2,259.6	0.00	0.00	0.00
11,600.0	89.54	359.93	9,584.6	2,317.4	-703.3	2,359.4	0.00	0.00	0.00
11,700.0	89.54	359.93	9,585.4	2,417.4	-703.4	2,459.2	0.00	0.00	0.00
11,800.0	89.54	359.93	9,586.2	2,517.4	-703.5	2,559.0	0.00	0.00	0.00
11,900.0	89.54	359.93	9,587.0	2,617.4	-703.7	2,658.8	0.00	0.00	0.00
12,000.0	89.54	359.93	9,587.8	2,717.4	-703.8	2,758.5	0.00	0.00	0.00
12,100.0	89.54	359.93	9,588.6	2,817.4	-703.9	2,858.3	0.00	0.00	0.00
12,200.0	89.54	359.93	9,589.4	2,917.4	-704.0	2,958.1	0.00	0.00	0.00
12,300.0	89.54	359.93	9,590.2	3,017.4	-704.1	3,057.9	0.00	0.00	0.00
12,400.0	89.54	359.93	9,591.0	3,117.4	-704.2	3,157.6	0.00	0.00	0.00
12,500.0	89.54	359.93	9,591.8	3,217.4	-704.4	3,257.4	0.00	0.00	0.00
12,600.0	89.54	359.93	9,592.6	3,317.4	-704.5	3,357.2	0.00	0.00	0.00
12,700.0	89.54	359.93	9,593.4	3,417.4	-704.6	3,457.0	0.00	0.00	0.00
12,800.0	89.54	359.93	9,594.2	3,517.4	-704.7	3,556.8	0.00	0.00	0.00
12,900.0	89.54	359.93	9,595.0	3,617.3	-704.8	3,656.5	0.00	0.00	0.00
13,000.0	89.54	359.93	9,595.8	3,717.3	-704.9	3,756.3	0.00	0.00	0.00
13,100.0	89.54	359.93	9,596.6	3,817.3	-705.1	3,856.1	0.00	0.00	0.00
13,200.0	89.54	359.93	9,597.4	3,917.3	-705.2	3,955.9	0.00	0.00	0.00
13,300.0	89.54	359.93	9,598.3	4,017.3	-705.3	4,055.7	0.00	0.00	0.00
13,400.0	89.54	359.93	9,599.1	4,117.3	-705.4	4,155.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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)
13,500.0	89.54	359.93	9,599.9	4,217.3	-705.5	4,255.2	0.00	0.00	0.00
13,600.0	89.54	359.93	9,600.7	4,317.3	-705.6	4,355.0	0.00	0.00	0.00
13,700.0	89.54	359.93	9,601.5	4,417.3	-705.8	4,454.8	0.00	0.00	0.00
13,800.0	89.54	359.93	9,602.3	4,517.3	-705.9	4,554.5	0.00	0.00	0.00
13,900.0	89.54	359.93	9,603.1	4,617.3	-706.0	4,654.3	0.00	0.00	0.00
14,000.0	89.54	359.93	9,603.9	4,717.3	-706.1	4,754.1	0.00	0.00	0.00
14,100.0	89.54	359.93	9,604.7	4,817.3	-706.2	4,853.9	0.00	0.00	0.00
14,200.0	89.54	359.93	9,605.5	4,917.3	-706.3	4,953.7	0.00	0.00	0.00
14,300.0	89.54	359.93	9,606.3	5,017.3	-706.4	5,053.4	0.00	0.00	0.00
14,400.0	89.54	359.93	9,607.1	5,117.3	-706.6	5,153.2	0.00	0.00	0.00
14,500.0	89.54	359.93	9,607.9	5,217.3	-706.7	5,253.0	0.00	0.00	0.00
14,600.0	89.54	359.93	9,608.7	5,317.3	-706.8	5,352.8	0.00	0.00	0.00
14,700.0	89.54	359.93	9,609.5	5,417.3	-706.9	5,452.6	0.00	0.00	0.00
14,800.0	89.54	359.93	9,610.3	5,517.3	-707.0	5,552.3	0.00	0.00	0.00
14,900.0	89.54	359.93	9,611.1	5,617.3	-707.1	5,652.1	0.00	0.00	0.00
15,000.0	89.54	359.93	9,611.9	5,717.3	-707.3	5,751.9	0.00	0.00	0.00
15,100.0	89.54	359.93	9,612.7	5,817.3	-707.4	5,851.7	0.00	0.00	0.00
15,200.0	89.54	359.93	9,613.5	5,917.3	-707.5	5,951.4	0.00	0.00	0.00
15,300.0	89.54	359.93	9,614.3	6,017.3	-707.6	6,051.2	0.00	0.00	0.00
15,400.0	89.54	359.93	9,615.1	6,117.3	-707.7	6,151.0	0.00	0.00	0.00
15,500.0	89.54	359.93	9,615.9	6,217.3	-707.8	6,250.8	0.00	0.00	0.00
15,600.0	89.54	359.93	9,616.7	6,317.3	-708.0	6,350.6	0.00	0.00	0.00
15,700.0	89.54	359.93	9,617.5	6,417.3	-708.1	6,450.3	0.00	0.00	0.00
15,800.0	89.54	359.93	9,618.3	6,517.3	-708.2	6,550.1	0.00	0.00	0.00
15,900.0	89.54	359.93	9,619.1	6,617.2	-708.3	6,649.9	0.00	0.00	0.00
16,000.0	89.54	359.93	9,619.9	6,717.2	-708.4	6,749.7	0.00	0.00	0.00
16,100.0	89.54	359.93	9,620.7	6,817.2	-708.5	6,849.4	0.00	0.00	0.00
16,200.0	89.54	359.93	9,621.5	6,917.2	-708.7	6,949.2	0.00	0.00	0.00
16,300.0	89.54	359.93	9,622.4	7,017.2	-708.8	7,049.0	0.00	0.00	0.00
16,400.0	89.54	359.93	9,623.2	7,117.2	-708.9	7,148.8	0.00	0.00	0.00
16,500.0	89.54	359.93	9,624.0	7,217.2	-709.0	7,248.6	0.00	0.00	0.00
16,600.0	89.54	359.93	9,624.8	7,317.2	-709.1	7,348.3	0.00	0.00	0.00
16,700.0	89.54	359.93	9,625.6	7,417.2	-709.2	7,448.1	0.00	0.00	0.00
16,800.0	89.54	359.93	9,626.4	7,517.2	-709.4	7,547.9	0.00	0.00	0.00
16,900.0	89.54	359.93	9,627.2	7,617.2	-709.5	7,647.7	0.00	0.00	0.00
17,000.0	89.54	359.93	9,628.0	7,717.2	-709.6	7,747.5	0.00	0.00	0.00
17,100.0	89.54	359.93	9,628.8	7,817.2	-709.7	7,847.2	0.00	0.00	0.00
17,200.0	89.54	359.93	9,629.6	7,917.2	-709.8	7,947.0	0.00	0.00	0.00
17,300.0	89.54	359.93	9,630.4	8,017.2	-709.9	8,046.8	0.00	0.00	0.00
17,400.0	89.54	359.93	9,631.2	8,117.2	-710.0	8,146.6	0.00	0.00	0.00
17,500.0	89.54	359.93	9,632.0	8,217.2	-710.2	8,246.3	0.00	0.00	0.00
17,600.0	89.54	359.93	9,632.8	8,317.2	-710.3	8,346.1	0.00	0.00	0.00
17,700.0	89.54	359.93	9,633.6	8,417.2	-710.4	8,445.9	0.00	0.00	0.00
17,800.0	89.54	359.93	9,634.4	8,517.2	-710.5	8,545.7	0.00	0.00	0.00
17,900.0	89.54	359.93	9,635.2	8,617.2	-710.6	8,645.5	0.00	0.00	0.00
18,000.0	89.54	359.93	9,636.0	8,717.2	-710.7	8,745.2	0.00	0.00	0.00
18,100.0	89.54	359.93	9,636.8	8,817.2	-710.9	8,845.0	0.00	0.00	0.00
18,200.0	89.54	359.93	9,637.6	8,917.2	-711.0	8,944.8	0.00	0.00	0.00
18,300.0	89.54	359.93	9,638.4	9,017.2	-711.1	9,044.6	0.00	0.00	0.00
18,400.0	89.54	359.93	9,639.2	9,117.2	-711.2	9,144.4	0.00	0.00	0.00
18,500.0	89.54	359.93	9,640.0	9,217.2	-711.3	9,244.1	0.00	0.00	0.00
18,600.0	89.54	359.93	9,640.8	9,317.2	-711.4	9,343.9	0.00	0.00	0.00
18,700.0	89.54	359.93	9,641.6	9,417.2	-711.6	9,443.7	0.00	0.00	0.00
18,800.0	89.54	359.93	9,642.4	9,517.2	-711.7	9,543.5	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 703H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 703H	**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)
18,900.0	89.54	359.93	9,643.2	9,617.2	-711.8	9,643.2	0.00	0.00	0.00
19,000.0	89.54	359.93	9,644.0	9,717.1	-711.9	9,743.0	0.00	0.00	0.00
19,100.0	89.54	359.93	9,644.8	9,817.1	-712.0	9,842.8	0.00	0.00	0.00
19,200.0	89.54	359.93	9,645.6	9,917.1	-712.1	9,942.6	0.00	0.00	0.00
19,300.0	89.54	359.93	9,646.5	10,017.1	-712.3	10,042.4	0.00	0.00	0.00
19,400.0	89.54	359.93	9,647.3	10,117.1	-712.4	10,142.1	0.00	0.00	0.00
19,500.0	89.54	359.93	9,648.1	10,217.1	-712.5	10,241.9	0.00	0.00	0.00
19,600.0	89.54	359.93	9,648.9	10,317.1	-712.6	10,341.7	0.00	0.00	0.00
19,700.0	89.54	359.93	9,649.7	10,417.1	-712.7	10,441.5	0.00	0.00	0.00
19,800.0	89.54	359.93	9,650.5	10,517.1	-712.8	10,541.3	0.00	0.00	0.00
19,866.3	89.54	359.93	9,651.0	10,583.4	-712.9	10,607.4	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	9,571.0	550.6	-702.3	377,001.16	591,812.89	32° 2' 10.121 N	104° 2' 13.351 W
- plan misses target center by 6.4usft at 9833.7usft MD (9564.7 TVD, 551.5 N, -701.3 E)									
- Circle (radius 50.0)									
LTP (TATER SALAD FEI	0.00	0.00	9,650.0	10,453.4	-712.4	386,903.98	591,802.75	32° 3' 48.124 N	104° 2' 13.153 W
- plan misses target center by 0.3usft at 19736.3usft MD (9650.0 TVD, 10453.4 N, -712.8 E)									
- Point									
PBHL (TATER SALAD F	-0.46	179.93	9,651.0	10,583.4	-712.9	387,033.98	591,802.29	32° 3' 49.411 N	104° 2' 13.154 W
- plan hits target center									
- Rectangle (sides W100.0 H10,038.0 D20.0)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,575.0	2,571.1	12.1	-56.2	Start 2923.0 hold at 2575.0 MD
5,498.0	5,435.5	135.0	-625.8	Start Drop -1.50
6,264.7	6,197.0	151.2	-700.8	Start 2896.6 hold at 6264.7 MD
9,161.2	9,093.6	151.2	-700.8	Start DLS 12.00 TFO 359.93
9,907.4	9,571.0	624.8	-701.3	Start 9958.9 hold at 9907.4 MD
19,866.3	9,651.0	10,583.4	-712.9	TD at 19866.3

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Project: ATLAS PROSPECT (DBW)
Site: TATER SALAD & MOMBA FEDERAL
Well: TATER SALAD FEDERAL COM 703H
Wellbore: OWB
Design: PWP1
GL: 2914.0
RKB=32ft @ 2946.0usft

WELL DETAILS: TATER SALAD FEDERAL COM 703H

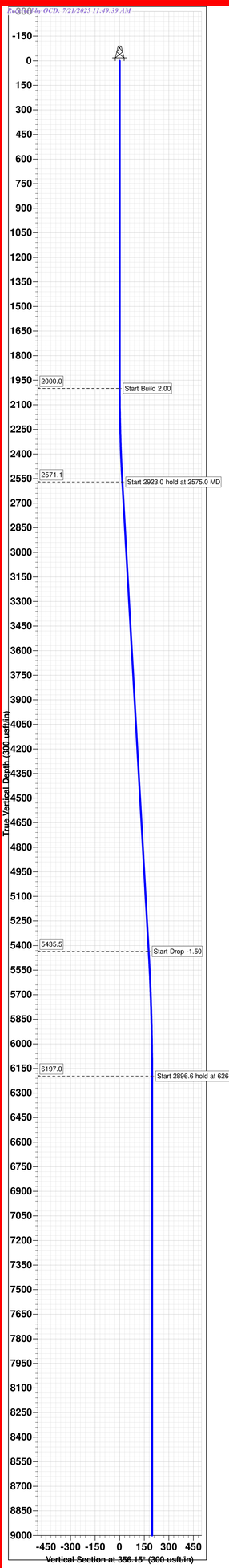
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	376450.60	592515.20	32° 2' 4.653 N	104° 2' 5.210 W

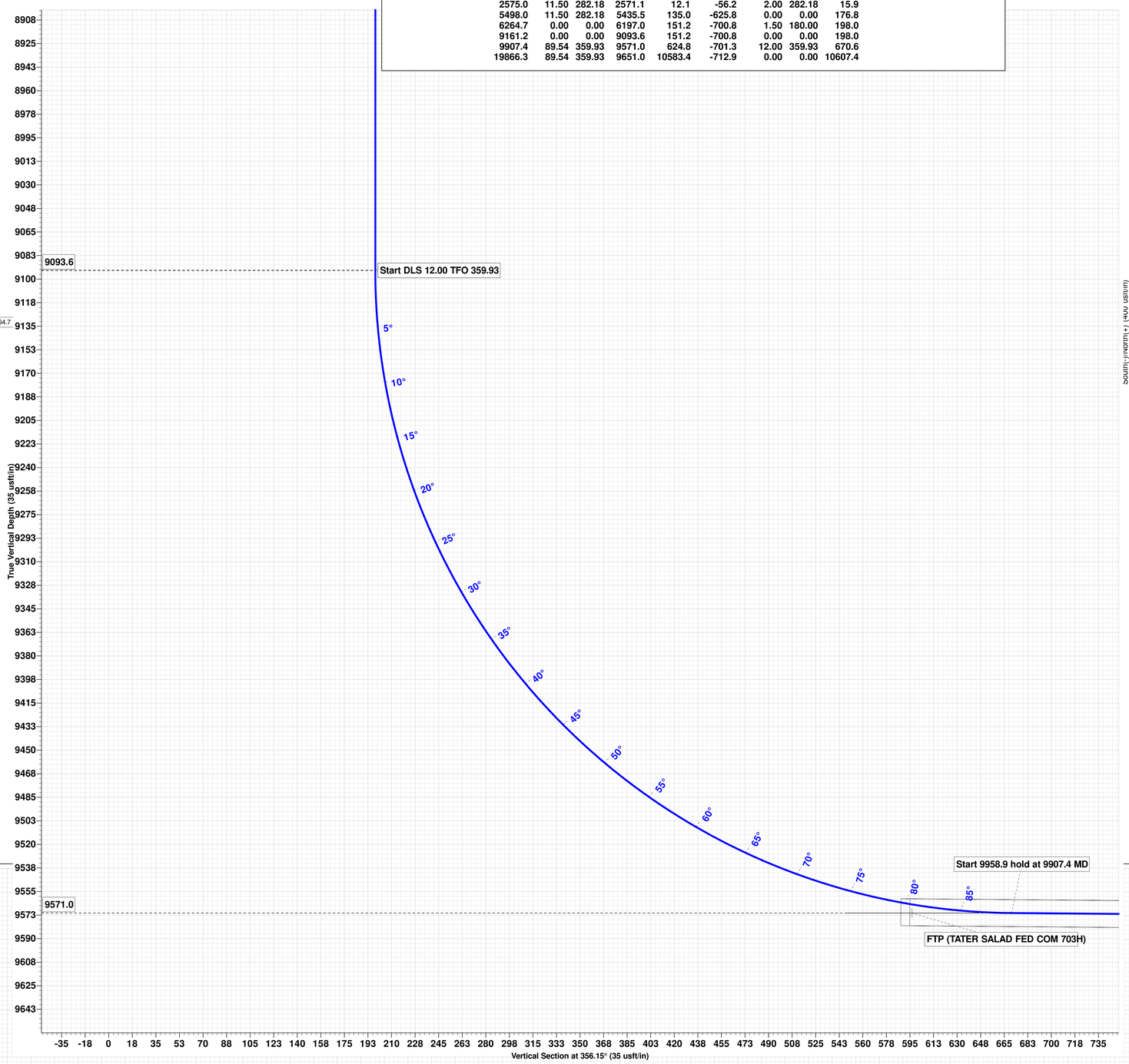
DESIGN TARGET DETAILS

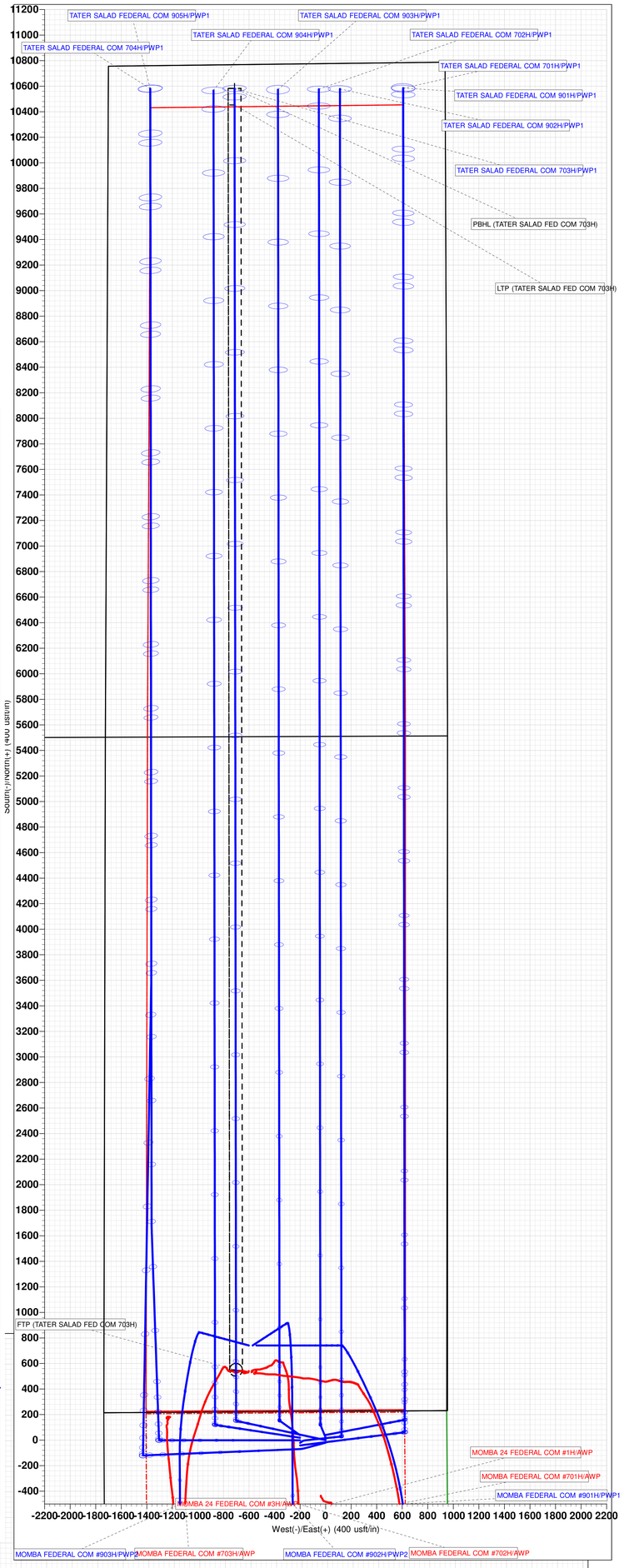
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 703H)	9571.0	550.6	-702.3	377001.16	591812.89
LTP (TATER SALAD FED COM 703H)	9650.0	10453.4	-712.4	386903.98	591802.75
PBHL (TATER SALAD FED COM 703H)	9651.0	10583.4	-712.9	387033.98	591802.29

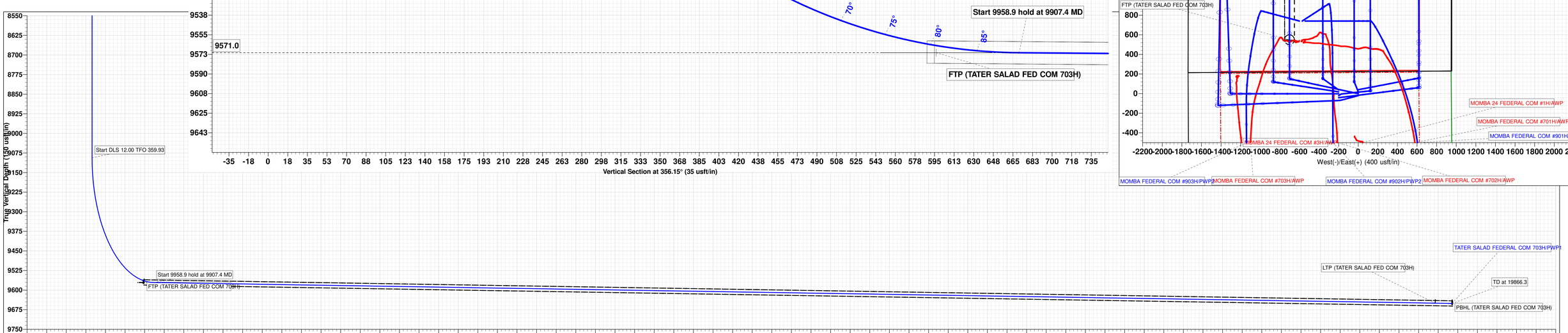
SECTION DETAILS

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
2575.0	11.50	282.18	2571.1	12.1	-56.2	2.00	282.18	15.9
5498.0	11.50	282.18	5435.5	135.0	-625.8	0.00	0.00	176.8
6264.7	0.00	0.00	6197.0	151.2	-700.8	1.50	180.00	198.0
9161.2	0.00	0.00	9093.6	151.2	-700.8	0.00	0.00	198.0
9907.4	89.54	359.93	9571.0	624.8	-701.3	12.00	359.93	670.6
19866.3	89.54	359.93	9651.0	10583.4	-712.9	0.00	0.00	10607.4









PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 703H
LOCATION:	Section 24, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	( ) Low	(•) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[x] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[x] Contingency Cement Squeeze	[x] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[x] Offline Cementing	[x] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **700 feet per BLM Geologist** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature

Approval Date: 07/10/2025

survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Contingency Squeeze:

Operator has proposed to pump down 10-3/4" X 7-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
- **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

Contingency Casing Design:

4. The **13-3/8** inch surface casing shall be set at approximately **700 feet per BLM Geologist** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    e. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    f. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    g. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    h. If cement falls back, remedial cementing will be done prior to drilling out that string.

5. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

    ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

6. **Keep casing full during run for collapse safety factor**. The minimum required fill of cement behind the **7-5/8** inch intermediate liner is:

    - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

Contingency Squeeze:

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator

Approval Date: 07/10/2025

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

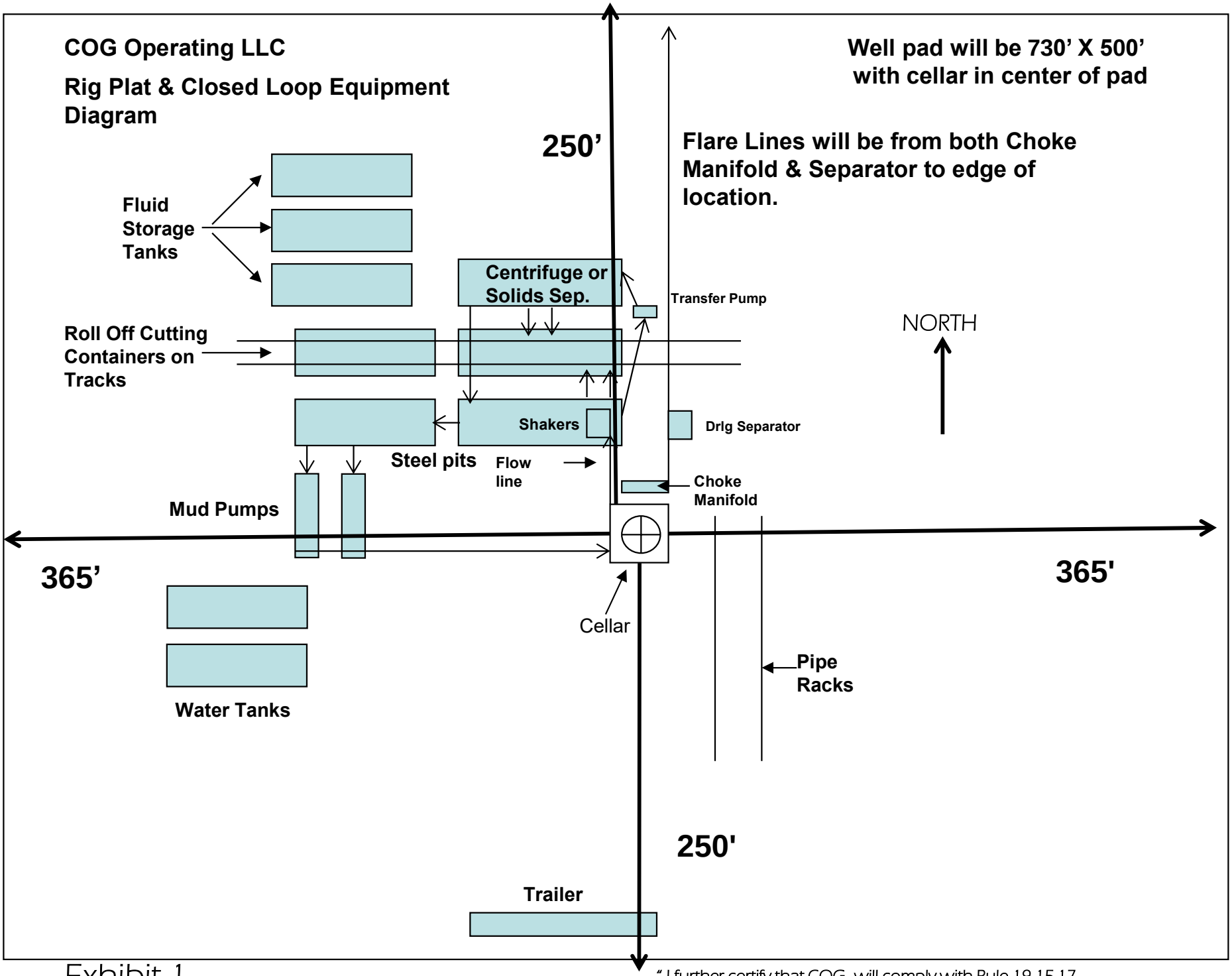


Exhibit 1

" 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 703H

1. Geologic Formations

TVD of target	9,630' EOL	Pilot hole depth	NA
MD at TD:	19,925'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	466	Water	
Top of Salt	596	Salt	
Base of Salt	2464	Salt	
Lamar	2662	Salt Water	
Bell Canyon	2711	Salt Water	
Cherry Canyon	3517	Oil/Gas	
Brushy Canyon	4852	Oil/Gas	
Bone Spring	6373	Oil/Gas	
1st Bone Spring Sand	7272	Oil/Gas	
2nd Bone Spring Sand	7971	Oil/Gas	
3rd Bone Spring Sand	9117	Oil/Gas	
Wolfcamp	9471	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	1.26	3.26	3.29
8.750"	7500	9120	7.625"	29.7	P110-ICY	W513	1.55	1.91	3.94	2.37
6.75"	0	8920	5.5"	23	P110-CY	BTC	2.32	2.71	3.55	3.55
6.75"	8920	19,925	5.5"	23	P110-CY	W441	2.15	2.51	3.29	2.99
					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	1.61	8.91	9.21
8.75"	2370	9120	7.625"	29.7	P110-ICY	W513	1.55	1.91	3.94	2.37
6.75"	0	8920	5.5"	23	P110-CY	BTC	2.32	2.71	3.55	3.55
6.75"	8920	19,925	5.5"	23	P110-CY	W441	2.15	2.51	3.29	2.99
				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 703H

	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 703H

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	700	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	560	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
Production	8,620'	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)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	500	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
2nd Intermediate	2,370'	20%
Production	8,870'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - TATER SALAD FED COM 703H

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 703H

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	6765 psi at 9630’ TVD
Abnormal Temperature	NO 155 Deg. F.

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

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

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

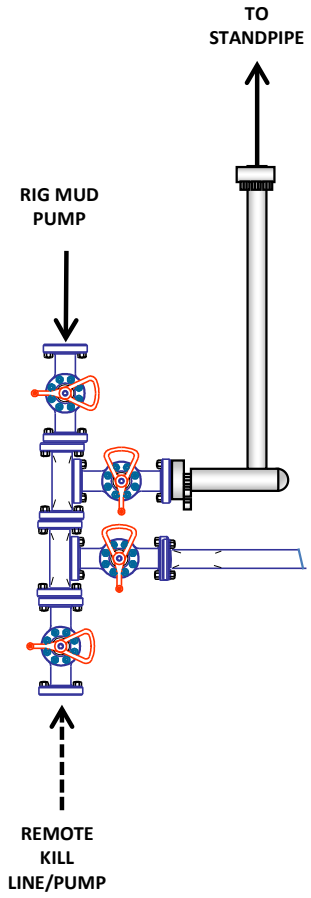
8. Other Facets of Operation

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

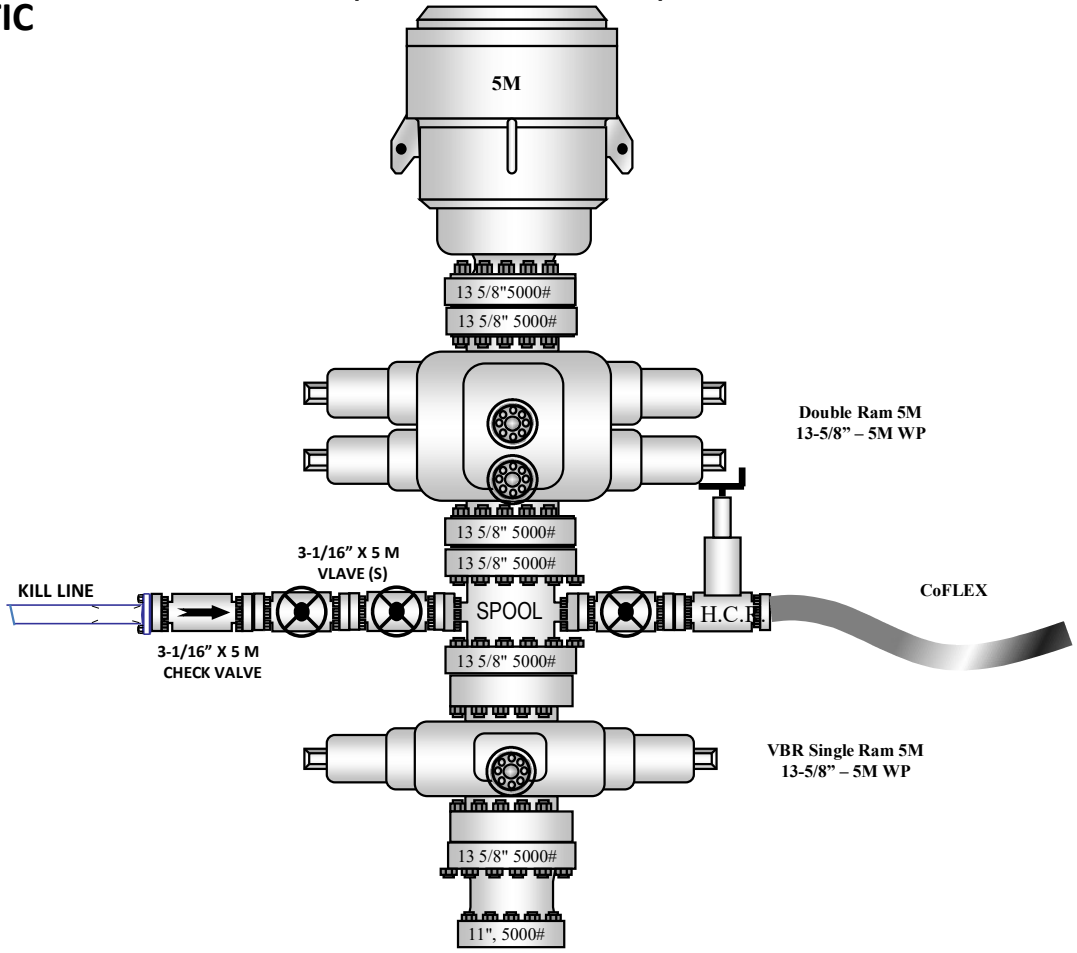
x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

5M BOP Stack

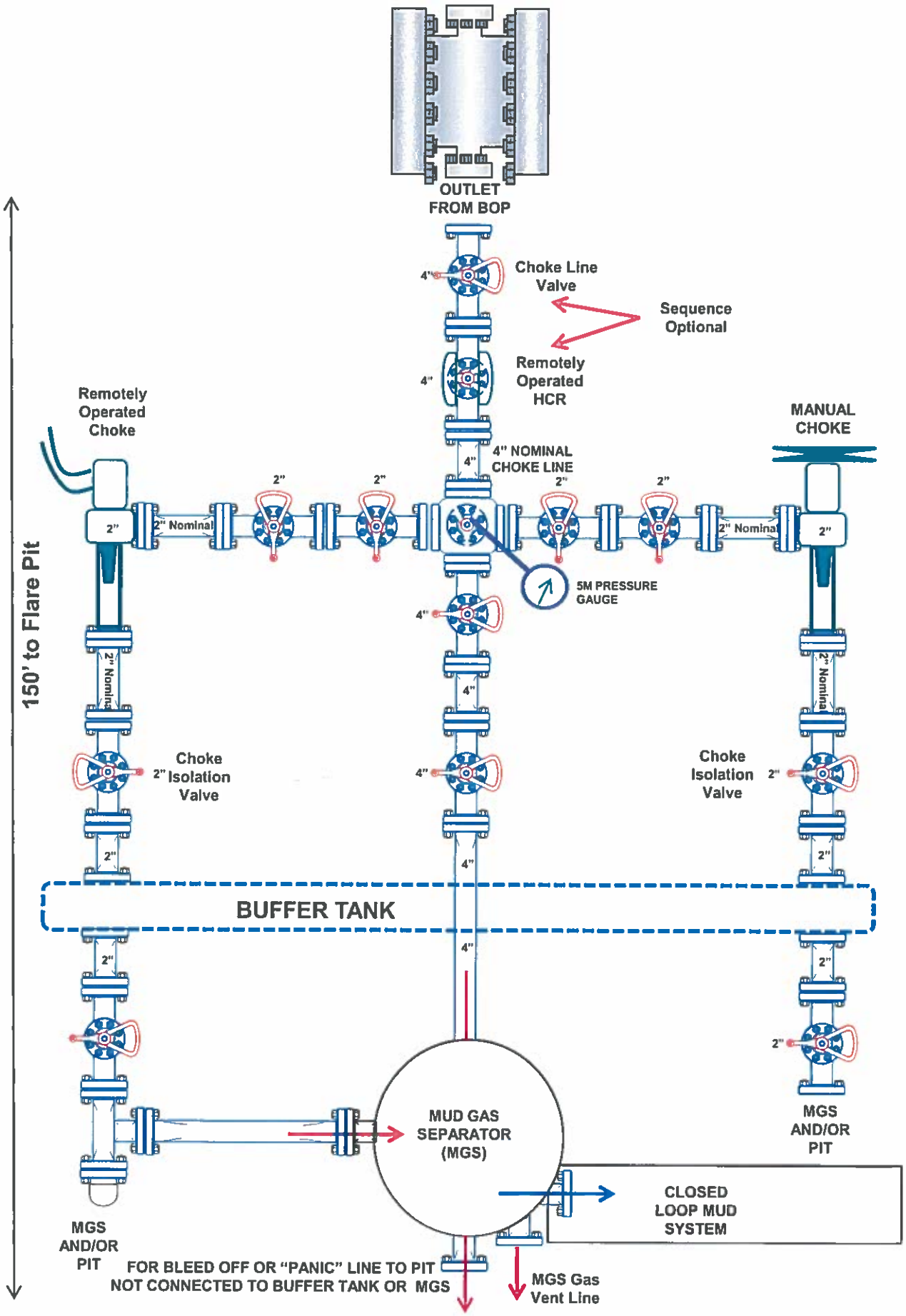
10M REMOTE KILL SCHEMATIC



5M BOP Stack
(2.5M Annular)

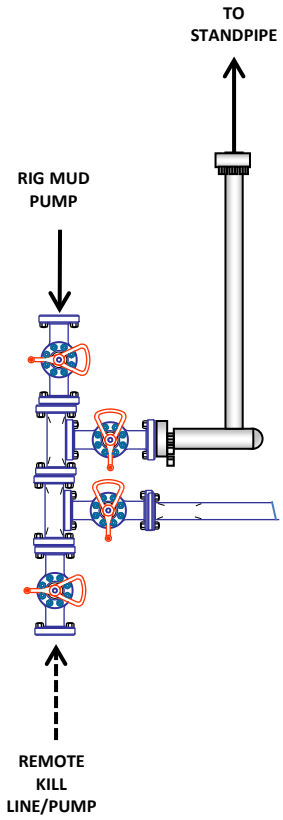


5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)

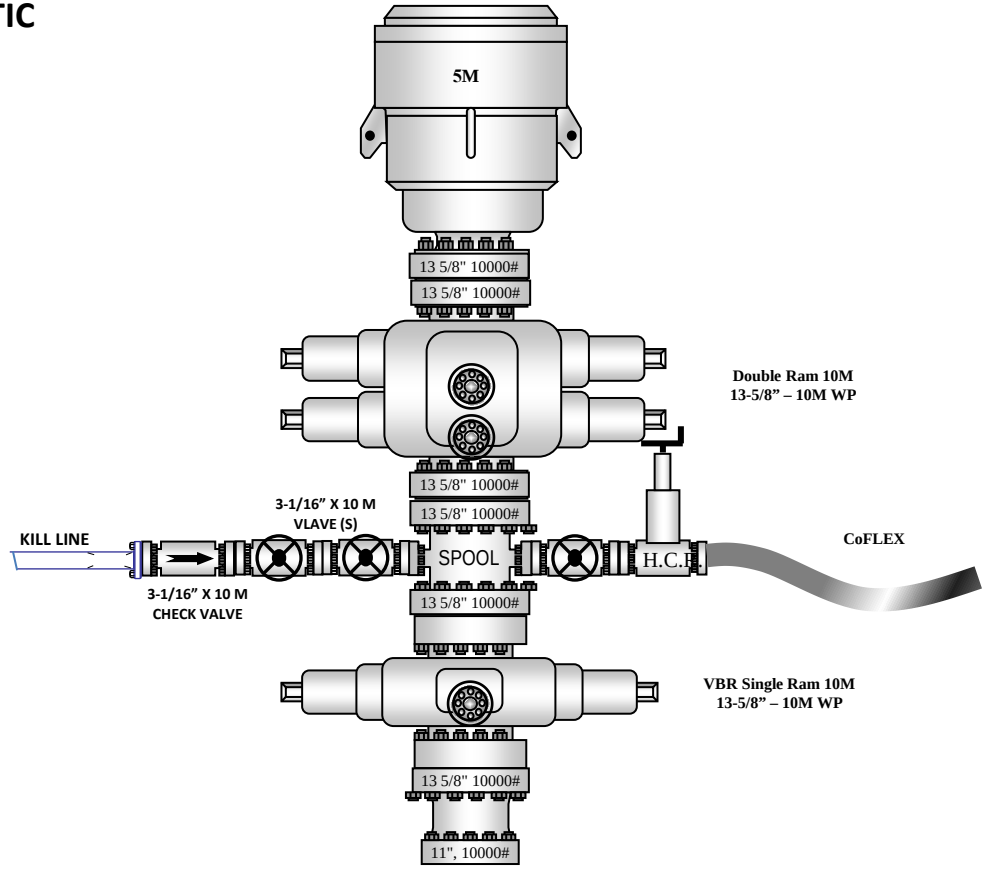


10M BOP Stack

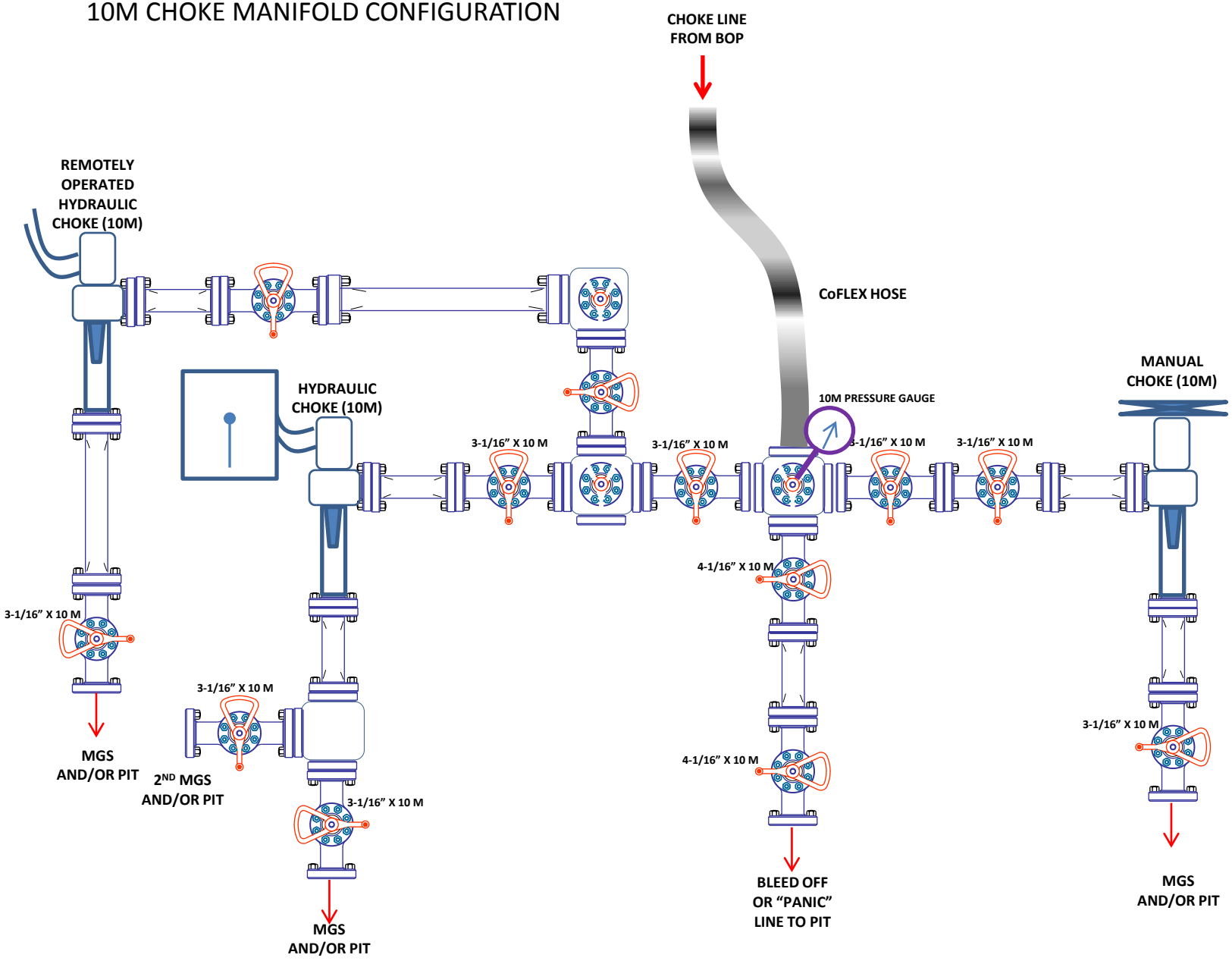
10M REMOTE KILL SCHEMATIC



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: 487069
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☐	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 487069
	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