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 901H

2. Name of Operator: COG OPERATING LLC

9. API Well No.: 30-015-57152

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 / 265 FNL / 1150 FEL / LAT 32.034638 / LONG -104.03591

At proposed prod. zone: NENE / 200 FNL / 330 FEL / LAT 32.063843 / LONG -104.033212

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

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

12. County or Parish: EDDY

13. State: NM

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

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 640.0

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

19. Proposed Depth: 10570 feet / 20970 feet

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

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

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

23. Estimated duration: 30 days

24. Attachments

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

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

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	MAYTE REYES / Ph: (432) 683-7443	04/15/2025

Title: Regulatory Analyst

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

Title	Office
Petroleum Engineer	Carlsbad Field Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/10/2025

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

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

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

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

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

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

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

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

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

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

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Approval Date: 07/10/2025

Additional Operator Remarks

Location of Well

0. SHL: NENE / 265 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034638 / LONG: -104.03591 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 330 FSL / 330 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036282 / LONG: -104.033264 (TVD: 10549 feet, MD: 10923 feet)

PPP: SWNE / 1321 FNL / 330 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042638 / LONG: -104.033252 (TVD: 10568 feet, MD: 12863 feet)

BHL: NENE / 200 FNL / 330 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063843 / LONG: -104.033212 (TVD: 10570 feet, MD: 20970 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: 10400104477
Submission Date: 04/15/2025
Operator Name: COG OPERATING LLC
Well Name: TATER SALAD FEDERAL COM
Well Number: 901H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400104477
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: 901H
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:** 901H

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_901H_C102_20250527152528.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	265	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034638	-104.03591	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2913			Y
KOP Leg #1	265	FNL	1150	FEL	26S	28E	24	Aliquot NENE	32.034638	-104.03591	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	2913	0	0	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

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	330	FEL	26S	28E	13	Aliquot SESE	32.036282	-104.033264	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7636	10923	10549	Y
PPP Leg #1-2	1321	FNL	330	FEL	26S	28E	13	Aliquot SWNE	32.042638	-104.033252	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 117119	-7655	12863	10568	Y
EXIT Leg #1	330	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063486	-104.033212	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7583	10647	10496	Y
BHL Leg #1	200	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063843	-104.033212	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 12559	-7657	20970	10570	Y

AFMSS
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BUREAU OF LAND MANAGEMENT

APD Print Report
07/21/2025

APD ID: 10400104477
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Submission Date: 04/15/2025
Federal/Indian APD: FED
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Title: Regulatory Analyst
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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:** 901H

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:** 901H **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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Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
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Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002241	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002245	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002246	TOP SALT	2318	595	595	SALT	NONE	N
16002247	BASE OF SALT	450	2463	2463	ANHYDRITE	NONE	N
16002252	LAMAR	251	2662	2662	LIMESTONE	NONE	N
16002253	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002248	CHERRY CANYON	-627	3540	3540	SANDSTONE	NATURAL GAS, OIL	N

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002254	BRUSHY CANYON	-1904	4817	4817	SANDSTONE	NATURAL GAS, OIL	N
16002249	BONE SPRING	-3464	6377	6377	SHALE	NATURAL GAS, OIL	N
16002250	BONE SPRING 1ST	-4369	7282	7282	SANDSTONE	NATURAL GAS, OIL	N
16002256	BONE SPRING 2ND	-5094	8007	8007	SANDSTONE	NATURAL GAS, OIL	N
16002244	BONE SPRING 3RD	-6231	9144	9144	SANDSTONE	NATURAL GAS, OIL	N
16002255	WOLFCAMP	-6582	9495	9495	SHALE	NATURAL GAS, OIL	N
16002266	WOLFCAMP	-6693	9606	9606	SHALE	NATURAL GAS, OIL	N
16002260		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002267	WOLFCAMP	-7033	9946	9946	SHALE	NATURAL GAS, OIL	N
16002262		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y
16002268	WOLFCAMP	-7566	10479	10479	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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

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

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.
Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Pressure Rating (PSI): 5M **Rating Depth:** 10075

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	10075	0	10075	-6907	-7161	10075	OTHER - P110-ICY	29.7	OTHER - W513	1.4	1.74	DRY	2.14	DRY	3.
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	20970	0	10570	-6907	-7656	20970	OTHER - P110-CY	23	OTHER - W441	1.96	2.28	DRY	2.72	DRY	3

Casing Attachments

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414230855.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_901H_Casing_Program_20250414230946.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414231103.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_901H_Casing_Program_20250414231149.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414231230.pdf

Section 4 - Cement

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

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	10075	740	3.3	10.3	2442	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10075	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10570	20970	620	1.48	12.5	917	20	Lead: 50:50:10 H Blend	No additives
PRODUCTION	Tail		10570	20970	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	10075	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10075	20970	OIL-BASED MUD	9.6	13.5							OBM

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

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

Section 6 - Test, Logging, Coring

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

None planned

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

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

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

Anticipated Bottom Hole Temperature(F): 165

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

COG_Tater_Salad_H2S_SUP_20250414152528.pdf

COG_Tater_Salad_H2S_Schem_20250414152526.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_901H_AC_Report_20250414233710.pdf
COG_Tater_Salad_901H_Directional_Plan_20250414233711.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_901H_Drilling_Program_20250414233804.pdf
COG_Tater_Salad_901H_Casing_Program_20250414233806.pdf
COG_Tater_Salad_901H_Cement_Program_20250414233807.pdf
COG_Tater_Salad_901H_GCP_20250415111755.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:** 901H

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:** 901H

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_901H_1_Mile_Data_20250414225645.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:** 901H

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:** 901H

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: 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.

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

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

Waste type: GARBAGE

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

Amount of waste: 500 pounds

Waste disposal frequency : One Time Only

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

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

Disposal location description: Trucked to an approved disposal facility.

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:** 901H

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:** 901H

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:** 901H

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:** 901H

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_901H_1_Mile_Data_20250414225846.pdf
COG_Tater_Salad_Powerline_20250414204516.pdf
COG_Tater_Salad_Reclamation_20250414204514.pdf
COG_Tater_Salad_Roads_20250414204511.pdf
COG_Tater_Salad_901H_C102_20250527152622.pdf

PWD

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

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:** 901H

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:** 901H

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:** 901H

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:** 901H

Payment

APD Fee Payment Method: PAY.GOV

pay.gov Tracking ID: 27NAGRJC

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- 57152	98220	Purple Sage; Wolfcamp, Gas	
Property Code 329866	Property Name TATER SALAD FEDERAL COM		Well Number 901H
OGRID No. 229137	Operator Name COG OPERATING LLC		Ground Level Elevation 2913.1'

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

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	26-S	28-E		265 FNL	1150 FEL	32.034638°N	104.035910°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	12	26-S	28-E		200 FNL	330 FEL	32.063843°N	104.033212°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
640	Defining	Pending 901H	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		265 FNL	1150 FEL	32.034638°N	104.035910°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	13	26-S	28-E		330 FSL	330 FEL	32.036282°N	104.033264°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	12	26-S	28-E		330 FNL	330 FEL	32.063486°N	104.033212°W	EDDY

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

OPERATOR CERTIFICATIONS

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

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

Signature: Mayte Reyes Date: 3/27/2025

Printed Name: Mayte Reyes

Email Address: mayte.x.reyes@conocophillips.com

SURVEYOR CERTIFICATIONS

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

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 1/8/25

Signature and Seal of Professional Suveyor

Certificate Number: 17777

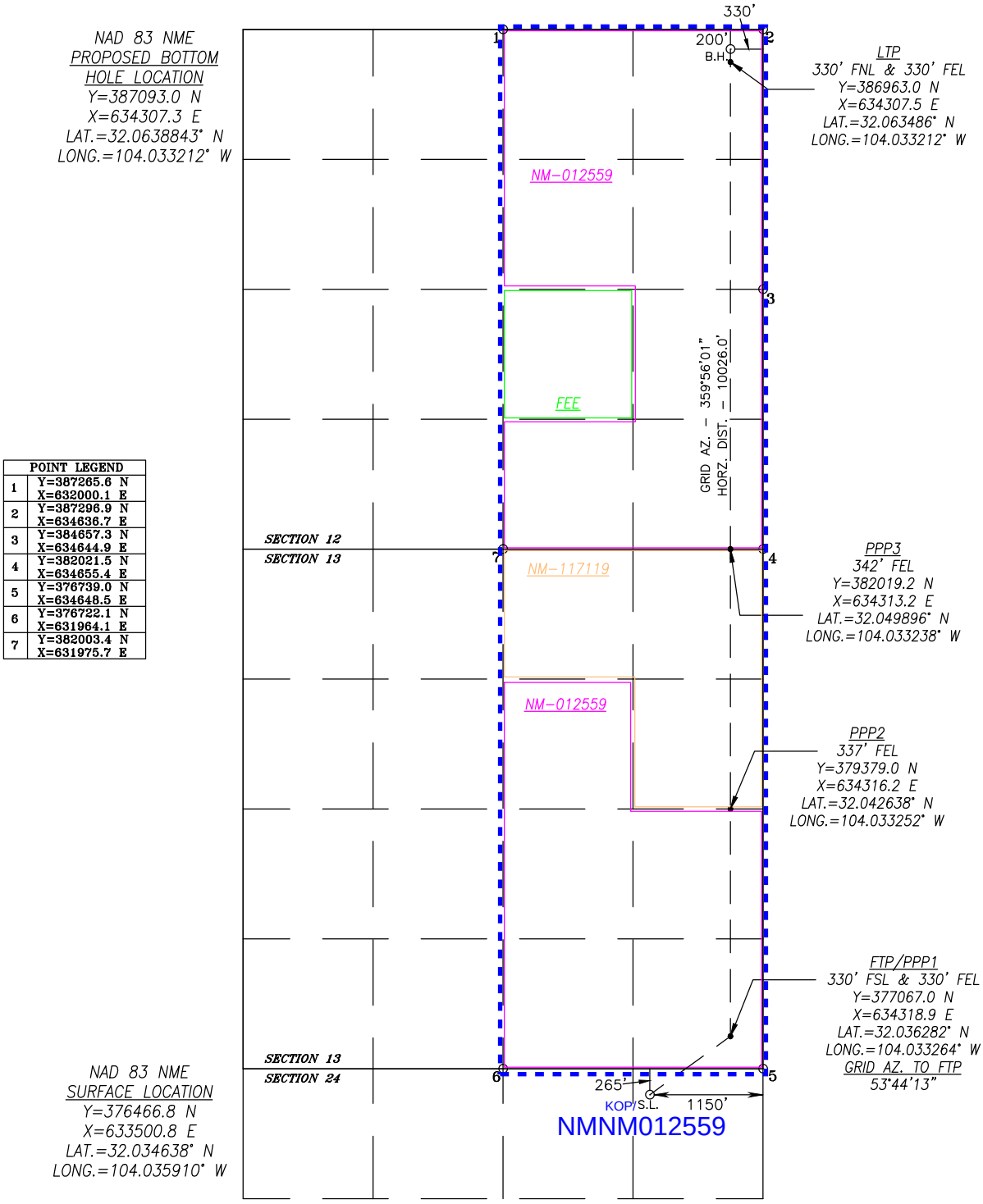
Date of Survey: DECEMBER 23, 2024

W.O.#24-1297 | DRAWN BY: WN | PAGE 1 OF 2

ACREAGE DEDICATION PLATS

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

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



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

PAGE 2 OF 2

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Tater Salad Federal Com 901H	30-015-	A-24-26S-28E	265 FNL & 1150 FEL	± 738	± 7370	± 4545

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

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Tater Salad Federal Com 901H	Pending	4/2/2026	± 25 days from spud	7/31/2026	8/10/26	8/15/26

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

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

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

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

C. Completion Operations

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

D. Venting and flaring during production operations

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

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

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

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

F. Measurement of vented and flared natural gas.

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

VIII. Best Management Practices

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

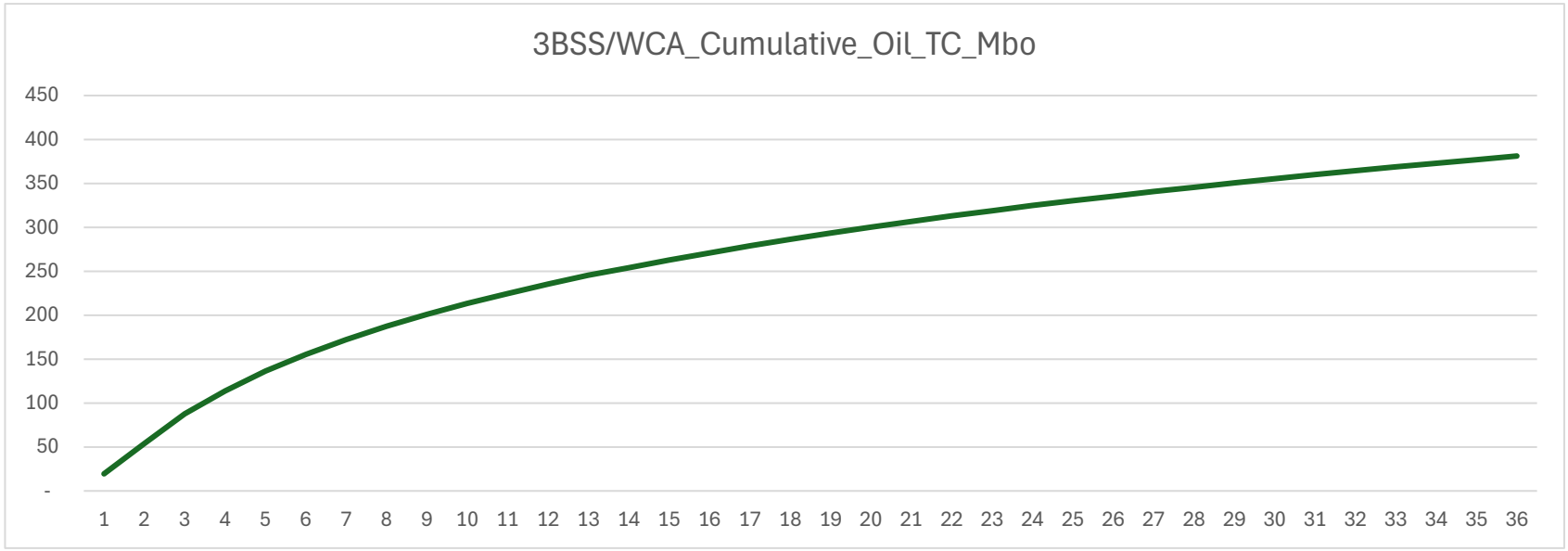
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

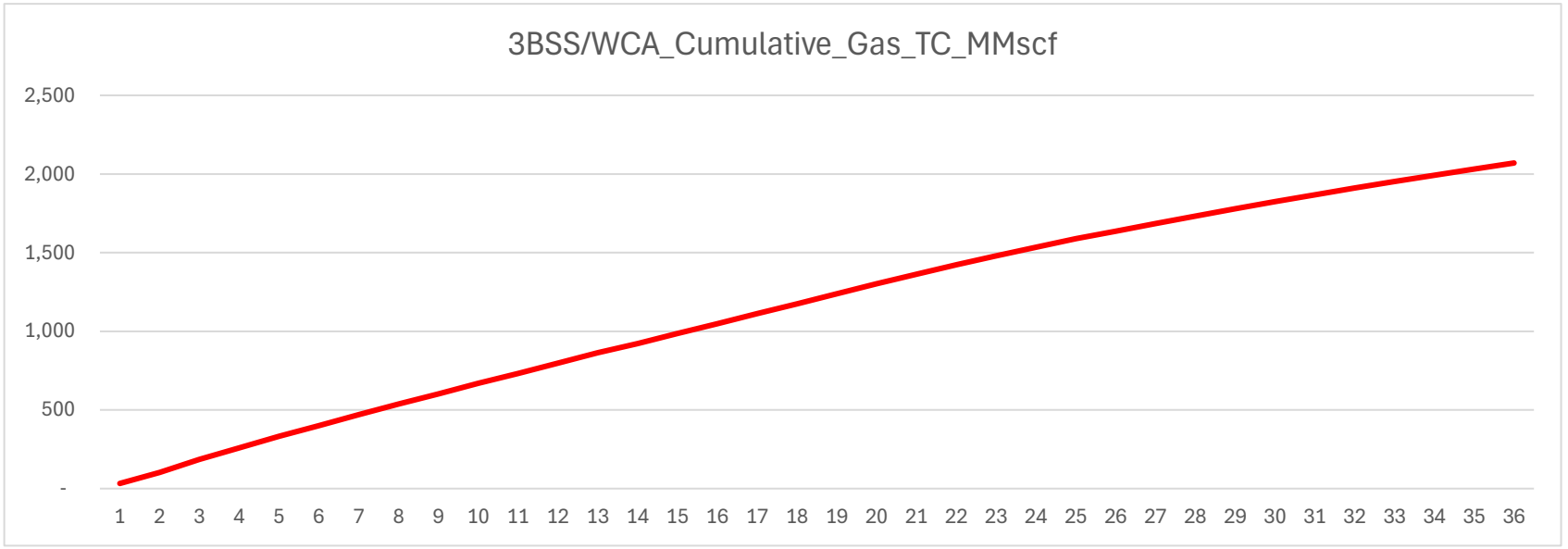
Signature:	Mayte Reyes
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coodinator
E-mail Address:	mayte.x.reyes@conocophillips.com
Date:	3/27/2025
Phone:	575-748-6945

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

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

Anticipated Production Decline Curve





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

Drilling Plan Data Report
07/21/2025

APD ID: 10400104477
Submission Date: 04/15/2025

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM
Well Number: 901H

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
16002241	QUATERNARY	2913	0	0	ALLUVIUM	NONE	N
16002245	RUSTLER	2448	465	465	ALLUVIUM	NONE	N
16002246	TOP SALT	2318	595	595	SALT	NONE	N
16002247	BASE OF SALT	450	2463	2463	ANHYDRITE	NONE	N
16002252	LAMAR	251	2662	2662	LIMESTONE	NONE	N
16002253	BELL CANYON	203	2710	2710	LIMESTONE	NONE	N
16002248	CHERRY CANYON	-627	3540	3540	SANDSTONE	NATURAL GAS, OIL	N
16002254	BRUSHY CANYON	-1904	4817	4817	SANDSTONE	NATURAL GAS, OIL	N
16002249	BONE SPRING	-3464	6377	6377	SHALE	NATURAL GAS, OIL	N
16002250	BONE SPRING 1ST	-4369	7282	7282	SANDSTONE	NATURAL GAS, OIL	N
16002256	BONE SPRING 2ND	-5094	8007	8007	SANDSTONE	NATURAL GAS, OIL	N
16002244	BONE SPRING 3RD	-6231	9144	9144	SANDSTONE	NATURAL GAS, OIL	N
16002255	WOLFCAMP	-6582	9495	9495	SHALE	NATURAL GAS, OIL	N
16002266	WOLFCAMP	-6693	9606	9606	SHALE	NATURAL GAS, OIL	N
16002260		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002267	WOLFCAMP	-7033	9946	9946	SHALE	NATURAL GAS, OIL	N
16002262		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002268	WOLFCAMP	-7566	10479	10479	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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

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

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.
Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.
Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Pressure Rating (PSI): 5M **Rating Depth:** 10075

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:** 901H

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	10075	0	10075	-6907	-7161	10075	OTHER - P110-ICY	29.7	OTHER - W513	1.4	1.74	DRY	2.14	DRY	3.57
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	20970	0	10570	-6907	-7656	20970	OTHER - P110-CY	23	OTHER - W441	1.96	2.28	DRY	2.72	DRY	3

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414230855.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_901H_Casing_Program_20250414230946.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414231103.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_901H_Casing_Program_20250414231149.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_901H_Casing_Program_20250414231230.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	10075	740	3.3	10.3	2442	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	10075	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		10570	20970	620	1.48	12.5	917	20	Lead: 50:50:10 H Blend	No additives

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM **Well Number:** 901H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		10570	20970	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	10075	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
10075	20970	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:** 901H

Section 6 - Test, Logging, Coring

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

None planned

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

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

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

Anticipated Bottom Hole Temperature(F): 165

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

COG_Tater_Salad_H2S_SUP_20250414152528.pdf

COG_Tater_Salad_H2S_Schem_20250414152526.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_901H_AC_Report_20250414233710.pdf

COG_Tater_Salad_901H_Directional_Plan_20250414233711.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:** 901H

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_901H_Drilling_Program_20250414233804.pdf
COG_Tater_Salad_901H_Casing_Program_20250414233806.pdf
COG_Tater_Salad_901H_Cement_Program_20250414233807.pdf
COG_Tater_Salad_901H_GCP_20250415111755.pdf

Other Variance request(s)?: N

Other Variance attachment:

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)
TATER SALAD & MOMBA FEDERAL
TATER SALAD FEDERAL COM 901H
300154774800
OWB
PWP1

Anticollision Report

19 February, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 25.0usft	**Error Model:**	ISCWSA
Depth Range:	0.0 to 20,950.4usft	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	**Error Surface:**	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 **Sigma**	**Casing Method:**	Added to Error Values

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Co
2,000.0	10,153.2	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,153.2	20,949.4	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
TATER SALAD & MOMBA FEDERAL						
MOMBA 24 FEDERAL COM #1H - OWB - AWP	25.0	11.4	426.2			
MOMBA 24 FEDERAL COM #1H - OWB - AWP	6,650.0	6,549.2	793.2	766.2	29.426 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	9,800.0	9,989.4	168.5	131.1	4.505 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	9,817.6	9,994.9	167.7	130.6	4.521 CC, ES	
MOMBA FEDERAL COM #702H - OWB - AWP	2,667.3	2,675.0	674.6	665.2	71.448 CC	
MOMBA FEDERAL COM #702H - OWB - AWP	2,700.0	2,708.1	674.7	665.2	70.945 ES	
MOMBA FEDERAL COM #702H - OWB - AWP	9,725.0	9,995.2	874.3	837.4	23.699 SF	
MOMBA FEDERAL COM #703H - OWB - AWP	711.1	700.0	701.3	695.5	120.629 CC	
MOMBA FEDERAL COM #703H - OWB - AWP	725.0	712.7	701.3	695.5	120.160 ES	
MOMBA FEDERAL COM #703H - OWB - AWP	4,800.0	4,700.8	995.0	977.4	56.710 SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,750.0	11,062.3	391.3	349.7	9.420 SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,800.0	10,991.7	389.3	348.2	9.474 ES	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,807.7	10,981.4	389.3	348.3	9.490 CC	
MOMBA FEDERAL COM #902H - OWB - PWP2	2,500.0	2,486.3	866.3	856.6	88.827 CC	
MOMBA FEDERAL COM #902H - OWB - PWP2	2,525.0	2,511.3	866.4	856.6	88.267 ES	
MOMBA FEDERAL COM #902H - OWB - PWP2	11,250.0	10,576.0	899.9	862.1	23.818 SF	
MOMBA FEDERAL COM #903H - OWB - PWP2	2,500.0	2,485.9	879.4	869.7	90.470 CC	
MOMBA FEDERAL COM #903H - OWB - PWP2	2,525.0	2,510.9	879.5	869.7	89.894 ES	
MOMBA FEDERAL COM #903H - OWB - PWP2	4,050.0	4,010.8	998.9	984.7	70.597 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP1	9,200.0	9,177.0	98.0	69.3	3.417 CC, ES, SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	3,653.9	3,643.7	140.6	125.0	9.025 CC	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	3,675.0	3,664.3	140.6	125.0	8.985 ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	3,750.0	3,737.6	142.0	126.1	8.924 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	3,032.9	3,041.8	66.9	54.6	5.414 CC, ES	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	3,050.0	3,057.6	67.2	54.8	5.392 SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,580.6	2,605.7	28.3	16.8	2.462 Caution - Monitor Closely, CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	2,600.0	2,624.2	29.0	17.2	2.455 Caution - Monitor Closely, SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,000.0	1,999.9	20.0	10.8	2.178 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,025.0	2,024.9	20.0	10.8	2.163 Caution - Monitor Closely, ES	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,075.0	2,074.7	20.3	10.9	2.154 Caution - Monitor Closely, SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	2,000.0	2,000.0	80.0	70.8	8.710 CC	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	2,025.0	2,024.6	80.1	70.8	8.637 ES	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	20,949.4	20,694.2	983.1	801.4	5.412 SF	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,000.0	1,999.9	60.0	50.8	6.533 CC	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,050.0	2,049.7	60.1	50.7	6.432 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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 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	2,200.0	2,198.9	61.5	51.7	6.271 SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,000.0	1,999.9	40.0	30.8	4.355 CC	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,125.0	2,124.8	40.1	30.5	4.194 ES	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,200.0	2,199.6	40.7	30.9	4.158 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	157.53	-393.8	162.9	426.4				
25.0	25.0	11.4	11.4	0.5	3.0	157.53	-393.8	162.9	426.2				
50.0	50.0	35.2	35.2	0.5	3.0	157.54	-393.9	162.9	426.2	421.5	4.73	90.203	
75.0	75.0	59.0	59.0	0.5	3.0	157.55	-394.0	162.8	426.4	421.6	4.73	90.230	
100.0	100.0	82.9	82.9	0.5	3.0	157.57	-394.3	162.7	426.6	421.8	4.73	90.270	
125.0	125.0	107.1	107.1	0.6	3.0	157.60	-394.6	162.6	426.8	422.1	4.76	89.685	
150.0	150.0	132.3	132.2	0.8	3.0	157.64	-395.0	162.5	427.1	422.3	4.80	88.972	
175.0	175.0	157.4	157.4	0.9	3.0	157.67	-395.3	162.4	427.4	422.5	4.85	88.139	
200.0	200.0	182.5	182.5	1.0	3.0	157.71	-395.7	162.2	427.6	422.7	4.90	87.199	
225.0	225.0	207.5	207.5	1.1	3.0	157.75	-396.0	162.0	427.9	422.9	4.95	86.530	
250.0	250.0	232.0	232.0	1.2	3.0	157.78	-396.4	161.9	428.2	423.2	4.99	85.824	
275.0	275.0	256.6	256.6	1.3	3.0	157.82	-396.7	161.8	428.5	423.4	5.04	85.087	
300.0	300.0	281.1	281.1	1.4	3.0	157.85	-397.1	161.6	428.8	423.7	5.09	84.322	
325.0	325.0	305.5	305.5	1.4	3.0	157.88	-397.5	161.6	429.1	424.0	5.13	83.683	
350.0	350.0	329.7	329.6	1.5	3.0	157.91	-398.0	161.5	429.5	424.4	5.17	83.028	
375.0	375.0	353.8	353.7	1.6	3.0	157.93	-398.4	161.5	430.0	424.8	5.22	82.366	
400.0	400.0	377.9	377.8	1.6	3.0	157.94	-398.9	161.6	430.5	425.2	5.27	81.699	
425.0	425.0	400.0	400.0	1.7	3.0	157.95	-399.4	161.8	431.0	425.7	5.31	81.127	
450.0	450.0	425.4	425.3	1.8	3.0	157.95	-400.0	162.0	431.7	426.3	5.36	80.533	
475.0	475.0	448.9	448.8	1.8	3.0	157.95	-400.6	162.3	432.4	427.0	5.41	79.958	
500.0	500.0	472.4	472.3	1.9	3.0	157.94	-401.2	162.6	433.2	427.7	5.46	79.392	
525.0	525.0	495.8	495.7	1.9	3.0	157.92	-401.9	163.1	434.1	428.6	5.50	78.895	
550.0	550.0	520.4	520.3	2.0	3.1	157.89	-402.7	163.6	435.0	429.5	5.55	78.389	
575.0	575.0	545.2	545.0	2.1	3.1	157.87	-403.6	164.1	436.0	430.4	5.60	77.880	
600.0	600.0	569.9	569.8	2.1	3.1	157.84	-404.4	164.7	437.0	431.3	5.65	77.371	
625.0	625.0	594.7	594.5	2.2	3.1	157.82	-405.2	165.2	437.9	432.2	5.69	76.907	
650.0	650.0	620.2	620.0	2.2	3.1	157.79	-406.1	165.8	438.9	433.2	5.74	76.436	
675.0	675.0	645.9	645.7	2.3	3.1	157.76	-406.9	166.4	439.9	434.1	5.79	75.956	
700.0	700.0	671.6	671.3	2.3	3.1	157.72	-407.6	167.0	440.8	434.9	5.84	75.455	
725.0	725.0	697.3	697.0	2.4	3.1	157.68	-408.3	167.6	441.6	435.7	5.89	74.967	
750.0	750.0	721.8	721.5	2.4	3.1	157.64	-409.0	168.2	442.5	436.5	5.94	74.496	
775.0	775.0	746.2	745.9	2.5	3.1	157.61	-409.7	168.8	443.4	437.4	5.99	74.031	
800.0	800.0	770.6	770.3	2.5	3.1	157.57	-410.4	169.4	444.3	438.2	6.04	73.571	
825.0	825.0	795.0	794.7	2.6	3.1	157.54	-411.1	170.0	445.2	439.1	6.09	73.140	
850.0	850.0	819.7	819.3	2.6	3.1	157.51	-412.0	170.5	446.2	440.1	6.14	72.710	
875.0	875.0	844.4	844.0	2.6	3.1	157.49	-412.8	171.1	447.2	441.0	6.19	72.283	
900.0	900.0	869.1	868.7	2.7	3.2	157.47	-413.7	171.6	448.2	442.0	6.24	71.857	
925.0	925.0	893.8	893.4	2.7	3.2	157.46	-414.5	172.1	449.2	442.9	6.29	71.454	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	919.2	918.8	2.8	3.2	157.45	-415.5	172.6	450.2	443.9	6.34	71.045	
975.0	975.0	944.8	944.4	2.8	3.2	157.44	-416.4	173.0	451.2	444.8	6.39	70.629	
1,000.0	1,000.0	970.5	970.0	2.9	3.2	157.43	-417.3	173.5	452.2	445.7	6.44	70.208	
1,025.0	1,025.0	996.1	995.6	2.9	3.2	157.42	-418.1	173.9	453.1	446.6	6.49	69.798	
1,050.0	1,050.0	1,021.7	1,021.2	3.0	3.2	157.41	-418.9	174.3	454.0	447.4	6.54	69.385	
1,075.0	1,075.0	1,047.2	1,046.7	3.0	3.2	157.40	-419.7	174.7	454.8	448.2	6.59	68.969	
1,100.0	1,100.0	1,072.7	1,072.2	3.0	3.2	157.39	-420.4	175.1	455.7	449.0	6.65	68.551	
1,125.0	1,125.0	1,098.3	1,097.7	3.1	3.3	157.38	-421.1	175.5	456.4	449.8	6.70	68.143	
1,150.0	1,150.0	1,123.3	1,122.8	3.1	3.3	157.37	-421.8	175.8	457.2	450.5	6.75	67.738	
1,175.0	1,175.0	1,148.4	1,147.8	3.2	3.3	157.37	-422.5	176.2	458.0	451.2	6.80	67.334	
1,200.0	1,200.0	1,173.4	1,172.8	3.2	3.3	157.36	-423.2	176.5	458.8	451.9	6.85	66.933	
1,225.0	1,225.0	1,198.4	1,197.8	3.2	3.3	157.35	-423.9	176.9	459.5	452.6	6.91	66.545	
1,250.0	1,250.0	1,224.3	1,223.7	3.3	3.3	157.34	-424.6	177.2	460.3	453.3	6.96	66.148	
1,275.0	1,275.0	1,250.3	1,249.7	3.3	3.3	157.34	-425.2	177.6	461.0	453.9	7.01	65.746	
1,300.0	1,300.0	1,276.3	1,275.7	3.4	3.4	157.33	-425.8	177.8	461.6	454.5	7.06	65.339	
1,325.0	1,325.0	1,302.2	1,301.6	3.4	3.4	157.33	-426.4	178.1	462.2	455.1	7.12	64.936	
1,350.0	1,350.0	1,327.2	1,326.6	3.4	3.4	157.33	-426.9	178.3	462.7	455.6	7.17	64.540	
1,375.0	1,375.0	1,352.3	1,351.6	3.5	3.4	157.33	-427.4	178.5	463.3	456.1	7.22	64.145	
1,400.0	1,400.0	1,377.3	1,376.7	3.5	3.4	157.32	-427.9	178.8	463.8	456.6	7.28	63.754	
1,425.0	1,425.0	1,402.4	1,401.8	3.6	3.4	157.32	-428.4	179.0	464.4	457.1	7.33	63.372	
1,450.0	1,450.0	1,428.3	1,427.6	3.6	3.4	157.31	-428.9	179.3	464.9	457.5	7.38	62.990	
1,475.0	1,475.0	1,454.1	1,453.4	3.6	3.5	157.30	-429.3	179.6	465.4	458.0	7.43	62.604	
1,500.0	1,500.0	1,479.9	1,479.3	3.7	3.5	157.28	-429.6	179.9	465.8	458.3	7.49	62.217	
1,525.0	1,525.0	1,505.6	1,505.0	3.7	3.5	157.26	-429.9	180.2	466.2	458.7	7.54	61.834	
1,550.0	1,550.0	1,530.9	1,530.2	3.8	3.5	157.23	-430.2	180.5	466.6	459.0	7.59	61.456	
1,575.0	1,575.0	1,556.1	1,555.5	3.8	3.5	157.21	-430.4	180.8	466.9	459.3	7.64	61.079	
1,600.0	1,600.0	1,581.4	1,580.7	3.8	3.5	157.20	-430.7	181.1	467.3	459.6	7.70	60.704	
1,625.0	1,625.0	1,606.6	1,605.9	3.9	3.6	157.18	-431.0	181.3	467.6	459.8	7.75	60.335	
1,650.0	1,650.0	1,631.5	1,630.8	3.9	3.6	157.17	-431.2	181.5	467.9	460.1	7.80	59.967	
1,675.0	1,675.0	1,656.5	1,655.8	3.9	3.6	157.16	-431.5	181.8	468.2	460.4	7.86	59.603	
1,700.0	1,700.0	1,681.4	1,680.7	4.0	3.6	157.14	-431.7	182.0	468.6	460.7	7.91	59.242	
1,725.0	1,725.0	1,706.4	1,705.7	4.0	3.6	157.13	-432.0	182.2	468.9	460.9	7.96	58.889	
1,750.0	1,750.0	1,731.3	1,730.7	4.1	3.6	157.13	-432.3	182.4	469.2	461.2	8.02	58.539	
1,775.0	1,775.0	1,756.3	1,755.6	4.1	3.7	157.12	-432.6	182.5	469.6	461.5	8.07	58.191	
1,800.0	1,800.0	1,781.3	1,780.6	4.1	3.7	157.12	-432.9	182.6	469.9	461.8	8.12	57.847	
1,825.0	1,825.0	1,806.2	1,805.5	4.2	3.7	157.13	-433.2	182.7	470.2	462.1	8.18	57.510	
1,850.0	1,850.0	1,831.1	1,830.4	4.2	3.7	157.13	-433.6	182.8	470.6	462.3	8.23	57.178	
1,875.0	1,875.0	1,855.9	1,855.2	4.2	3.7	157.14	-433.9	182.9	470.9	462.6	8.28	56.849	
1,900.0	1,900.0	1,880.8	1,880.1	4.3	3.8	157.15	-434.2	183.0	471.3	462.9	8.34	56.525	
1,925.0	1,925.0	1,905.5	1,904.8	4.3	3.8	157.16	-434.6	183.1	471.6	463.3	8.39	56.210	
1,950.0	1,950.0	1,929.8	1,929.1	4.3	3.8	157.15	-435.0	183.2	472.0	463.6	8.44	55.913	
1,975.0	1,975.0	1,954.1	1,953.4	4.4	3.8	157.13	-435.3	183.6	472.5	464.0	8.49	55.624	
2,000.0	2,000.0	1,978.4	1,977.7	4.4	3.8	157.10	-435.6	184.0	472.9	464.4	8.55	55.343	
2,025.0	2,025.0	2,002.7	2,002.0	4.5	3.9	157.04	-435.9	184.6	473.4	464.8	8.61	54.964	
2,050.0	2,050.0	2,026.9	2,026.1	4.5	3.9	156.98	-436.1	185.3	474.0	465.3	8.68	54.609	
2,075.0	2,075.0	2,051.0	2,050.3	4.6	3.9	156.90	-436.4	186.2	474.6	465.8	8.75	54.263	
2,100.0	2,100.0	2,075.2	2,074.4	4.6	3.9	156.81	-436.7	187.1	475.2	466.4	8.81	53.927	
2,125.0	2,125.0	2,100.0	2,099.2	4.7	3.9	156.70	-436.9	188.2	475.9	467.0	8.87	53.661	
2,150.0	2,150.0	2,123.5	2,122.7	4.7	3.9	156.60	-437.2	189.2	476.6	467.7	8.92	53.409	
2,175.0	2,175.0	2,147.7	2,146.9	4.7	3.9	156.49	-437.5	190.3	477.4	468.4	8.98	53.160	
2,200.0	2,200.0	2,171.9	2,171.0	4.8	4.0	156.39	-437.9	191.4	478.2	469.2	9.04	52.918	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,225.0	2,196.1	2,195.2	4.8	4.0	156.29	-438.4	192.5	479.0	470.0	9.09	52.689	
2,250.0	2,250.0	2,220.1	2,219.2	4.8	4.0	156.19	-438.8	193.6	479.9	470.8	9.15	52.466	
2,275.0	2,275.0	2,244.0	2,243.1	4.9	4.0	156.09	-439.3	194.8	480.9	471.7	9.20	52.252	
2,300.0	2,300.0	2,268.0	2,267.0	4.9	4.0	155.97	-439.8	196.1	481.9	472.6	9.26	52.045	
2,325.0	2,325.0	2,291.9	2,290.8	5.0	4.0	155.84	-440.2	197.5	483.0	473.6	9.31	51.852	
2,350.0	2,350.0	2,315.9	2,314.8	5.0	4.1	155.70	-440.7	199.0	484.1	474.7	9.37	51.669	
2,375.0	2,375.0	2,340.0	2,338.9	5.0	4.1	155.55	-441.2	200.6	485.2	475.8	9.42	51.492	
2,400.0	2,400.0	2,364.1	2,362.9	5.1	4.1	155.40	-441.8	202.2	486.5	477.0	9.48	51.322	
2,425.0	2,425.0	2,388.2	2,386.9	5.1	4.1	155.24	-442.3	204.0	487.7	478.2	9.53	51.163	
2,450.0	2,450.0	2,413.4	2,412.0	5.1	4.1	155.07	-442.9	205.9	489.0	479.4	9.59	51.004	
2,475.0	2,475.0	2,439.8	2,438.3	5.2	4.2	154.89	-443.4	207.8	490.2	480.6	9.64	50.835	
2,500.0	2,500.0	2,466.2	2,464.6	5.2	4.2	154.72	-443.9	209.6	491.4	481.7	9.70	50.661	
2,525.0	2,525.0	2,492.5	2,491.0	5.3	4.2	71.69	-444.3	211.4	492.5	482.7	9.76	50.462	
2,550.0	2,550.0	2,518.7	2,517.1	5.3	4.2	71.55	-444.7	213.1	493.4	483.6	9.82	50.258	
2,575.0	2,575.0	2,544.8	2,543.1	5.3	4.2	71.45	-445.1	214.7	494.2	484.3	9.87	50.050	
2,600.0	2,600.0	2,570.9	2,569.2	5.4	4.3	71.38	-445.4	216.3	494.9	485.0	9.93	49.835	
2,625.0	2,625.0	2,597.1	2,595.3	5.4	4.3	71.35	-445.7	217.7	495.4	485.4	9.99	49.605	
2,650.0	2,649.9	2,623.6	2,621.8	5.4	4.3	71.36	-446.0	219.0	495.8	485.8	10.05	49.362	
2,675.0	2,674.9	2,650.2	2,648.4	5.5	4.3	71.40	-446.3	220.3	496.1	486.0	10.10	49.108	
2,700.0	2,699.8	2,676.8	2,674.9	5.5	4.3	71.48	-446.5	221.4	496.2	486.1	10.16	48.843	
2,725.0	2,724.8	2,703.2	2,701.3	5.5	4.4	71.60	-446.6	222.4	496.2	486.0	10.22	48.564	
2,750.0	2,749.7	2,728.2	2,726.3	5.6	4.4	71.75	-446.8	223.3	496.1	485.8	10.27	48.286	
2,775.0	2,774.6	2,753.2	2,751.3	5.6	4.4	71.92	-446.9	224.2	495.9	485.5	10.33	48.005	
2,800.0	2,799.5	2,778.2	2,776.3	5.7	4.4	72.11	-447.1	225.1	495.6	485.2	10.39	47.723	
2,825.0	2,824.3	2,803.3	2,801.3	5.7	4.4	72.33	-447.2	226.0	495.3	484.8	10.44	47.434	
2,850.0	2,849.1	2,829.0	2,827.0	5.7	4.5	72.59	-447.4	226.8	494.9	484.4	10.50	47.142	
2,875.0	2,873.9	2,854.7	2,852.7	5.8	4.5	72.88	-447.5	227.7	494.4	483.8	10.55	46.845	
2,900.0	2,898.7	2,880.3	2,878.3	5.9	4.5	73.19	-447.6	228.4	493.8	483.1	10.61	46.546	
2,925.0	2,923.4	2,905.8	2,903.8	5.9	4.5	73.54	-447.6	229.2	493.1	482.4	10.66	46.239	
2,950.0	2,948.2	2,930.7	2,928.7	6.0	4.5	73.91	-447.7	229.9	492.3	481.6	10.72	45.937	
2,975.0	2,972.8	2,955.6	2,953.6	6.1	4.5	74.30	-447.7	230.5	491.5	480.8	10.77	45.636	
3,000.0	2,997.5	2,980.5	2,978.5	6.1	4.6	74.72	-447.8	231.2	490.7	479.9	10.82	45.337	
3,025.0	3,022.1	3,005.4	3,003.3	6.2	4.6	75.17	-447.8	231.9	489.8	478.9	10.88	45.033	
3,050.0	3,046.6	3,030.3	3,028.2	6.3	4.6	75.64	-447.9	232.5	488.9	478.0	10.93	44.733	
3,075.0	3,071.1	3,055.1	3,053.1	6.4	4.6	76.15	-447.9	233.2	488.0	477.0	10.98	44.437	
3,100.0	3,095.6	3,079.9	3,077.8	6.5	4.6	76.68	-447.9	233.7	487.0	476.0	11.03	44.146	
3,125.0	3,120.1	3,104.8	3,102.7	6.5	4.7	77.22	-448.0	234.3	486.0	475.0	11.08	43.858	
3,150.0	3,144.5	3,129.8	3,127.7	6.6	4.7	77.76	-448.0	234.8	485.1	474.0	11.13	43.580	
3,175.0	3,169.0	3,154.8	3,152.8	6.7	4.7	78.31	-448.0	235.4	484.2	473.0	11.18	43.308	
3,200.0	3,193.4	3,179.9	3,177.8	6.8	4.7	78.85	-448.0	235.9	483.3	472.0	11.23	43.042	
3,225.0	3,217.9	3,204.8	3,202.7	6.8	4.7	79.40	-447.9	236.4	482.4	471.1	11.28	42.778	
3,250.0	3,242.3	3,229.4	3,227.3	6.9	4.8	79.95	-447.9	236.8	481.5	470.2	11.32	42.523	
3,275.0	3,266.8	3,253.9	3,251.8	7.0	4.8	80.49	-447.9	237.3	480.7	469.4	11.37	42.277	
3,300.0	3,291.3	3,278.4	3,276.3	7.1	4.8	81.05	-447.8	237.7	480.0	468.6	11.42	42.038	
3,325.0	3,315.7	3,302.9	3,300.8	7.1	4.8	81.61	-447.8	238.1	479.3	467.8	11.47	41.802	
3,350.0	3,340.2	3,327.3	3,325.2	7.2	4.8	82.16	-447.8	238.5	478.6	467.1	11.51	41.572	
3,375.0	3,364.6	3,351.7	3,349.6	7.3	4.9	82.72	-447.8	238.8	478.0	466.5	11.56	41.350	
3,400.0	3,389.1	3,376.0	3,373.9	7.4	4.9	83.28	-447.8	239.2	477.5	465.9	11.61	41.136	
3,425.0	3,413.5	3,400.4	3,398.3	7.5	4.9	83.84	-447.8	239.6	477.0	465.4	11.66	40.925	
3,450.0	3,438.0	3,425.1	3,422.9	7.5	4.9	84.41	-447.9	240.0	476.6	464.9	11.70	40.718	
3,475.0	3,462.4	3,449.7	3,447.6	7.6	5.0	84.98	-447.9	240.4	476.2	464.4	11.75	40.518	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	3,486.9	3,474.3	3,472.2	7.7	5.0	85.56	-447.9	240.7	475.8	464.0	11.80	40.324	
3,525.0	3,511.3	3,498.9	3,496.8	7.8	5.0	86.14	-447.9	241.0	475.5	463.7	11.85	40.133	
3,550.0	3,535.8	3,523.5	3,521.4	7.9	5.0	86.72	-447.9	241.3	475.3	463.4	11.90	39.945	
3,575.0	3,560.2	3,548.1	3,546.0	8.0	5.0	87.31	-448.0	241.5	475.1	463.1	11.95	39.763	
3,600.0	3,584.7	3,572.6	3,570.5	8.1	5.1	87.90	-448.0	241.7	474.9	462.9	12.00	39.586	
3,625.0	3,609.2	3,597.2	3,595.1	8.1	5.1	88.50	-448.0	241.9	474.8	462.7	12.05	39.413	
3,650.0	3,633.6	3,621.5	3,619.4	8.2	5.1	89.09	-448.0	242.0	474.7	462.6	12.10	39.241	
3,660.1	3,643.5	3,631.3	3,629.2	8.3	5.1	89.33	-448.1	242.1	474.7	462.6	12.12	39.173	
3,675.0	3,658.1	3,645.9	3,643.7	8.3	5.1	89.69	-448.1	242.2	474.7	462.6	12.15	39.074	
3,700.0	3,682.5	3,670.2	3,668.0	8.4	5.2	90.28	-448.1	242.3	474.8	462.6	12.20	38.914	
3,725.0	3,707.0	3,694.5	3,692.4	8.5	5.2	90.87	-448.2	242.5	474.9	462.7	12.25	38.756	
3,750.0	3,731.4	3,718.8	3,716.7	8.6	5.2	91.46	-448.3	242.7	475.1	462.8	12.31	38.599	
3,775.0	3,755.9	3,743.1	3,741.0	8.7	5.2	92.05	-448.3	242.8	475.4	463.0	12.37	38.445	
3,800.0	3,780.3	3,767.4	3,765.3	8.8	5.3	92.64	-448.4	243.0	475.7	463.3	12.42	38.297	
3,825.0	3,804.8	3,791.7	3,789.6	8.9	5.3	93.23	-448.5	243.1	476.1	463.6	12.48	38.151	
3,850.0	3,829.2	3,816.3	3,814.1	9.0	5.3	93.83	-448.6	243.3	476.5	464.0	12.54	38.008	
3,875.0	3,853.7	3,841.0	3,838.8	9.1	5.3	94.43	-448.7	243.4	477.0	464.4	12.60	37.866	
3,900.0	3,878.1	3,865.7	3,863.5	9.2	5.4	95.03	-448.8	243.5	477.5	464.9	12.66	37.727	
3,925.0	3,902.6	3,890.4	3,888.2	9.3	5.4	95.63	-448.8	243.6	478.1	465.4	12.72	37.589	
3,950.0	3,927.1	3,914.9	3,912.8	9.4	5.4	96.23	-448.9	243.7	478.7	465.9	12.78	37.452	
3,975.0	3,951.5	3,939.3	3,937.2	9.5	5.4	96.82	-449.0	243.8	479.4	466.5	12.85	37.318	
4,000.0	3,976.0	3,963.7	3,961.5	9.6	5.5	97.41	-449.0	243.9	480.1	467.2	12.91	37.188	
4,025.0	4,000.4	3,988.1	3,985.9	9.7	5.5	98.00	-449.1	244.0	480.9	467.9	12.98	37.059	
4,050.0	4,024.9	4,012.2	4,010.1	9.8	5.5	98.59	-449.2	244.1	481.7	468.7	13.04	36.929	
4,075.0	4,049.3	4,036.2	4,034.1	9.9	5.5	99.16	-449.3	244.1	482.7	469.5	13.12	36.802	
4,100.0	4,073.8	4,060.2	4,058.0	10.0	5.6	99.74	-449.4	244.2	483.7	470.5	13.19	36.679	
4,125.0	4,098.2	4,084.1	4,082.0	10.1	5.6	100.31	-449.5	244.2	484.7	471.5	13.26	36.558	
4,150.0	4,122.7	4,108.2	4,106.0	10.2	5.6	100.89	-449.7	244.3	485.9	472.6	13.33	36.439	
4,175.0	4,147.1	4,132.5	4,130.3	10.3	5.6	101.47	-449.9	244.3	487.1	473.7	13.41	36.320	
4,200.0	4,171.6	4,156.8	4,154.6	10.4	5.7	102.04	-450.1	244.3	488.4	474.9	13.49	36.202	
4,225.0	4,196.0	4,181.1	4,178.9	10.5	5.7	102.62	-450.3	244.3	489.7	476.2	13.57	36.086	
4,250.0	4,220.5	4,205.4	4,203.2	10.6	5.7	103.19	-450.5	244.3	491.1	477.5	13.65	35.971	
4,275.0	4,244.9	4,229.8	4,227.7	10.7	5.7	103.77	-450.7	244.4	492.6	478.8	13.74	35.857	
4,300.0	4,269.4	4,254.3	4,252.2	10.8	5.8	104.34	-450.9	244.4	494.1	480.3	13.82	35.744	
4,325.0	4,293.9	4,278.8	4,276.6	10.9	5.8	104.90	-451.1	244.4	495.6	481.7	13.91	35.631	
4,350.0	4,318.3	4,303.2	4,301.1	11.0	5.8	105.46	-451.3	244.4	497.2	483.2	14.00	35.519	
4,375.0	4,342.8	4,327.4	4,325.2	11.1	5.8	106.01	-451.5	244.5	498.9	484.8	14.09	35.410	
4,400.0	4,367.2	4,351.5	4,349.4	11.2	5.8	106.56	-451.8	244.5	500.6	486.4	14.18	35.303	
4,425.0	4,391.7	4,375.7	4,373.5	11.3	5.9	107.11	-452.0	244.5	502.4	488.1	14.27	35.196	
4,450.0	4,416.1	4,400.0	4,397.8	11.4	5.9	107.65	-452.3	244.5	504.2	489.9	14.37	35.091	
4,475.0	4,440.6	4,424.4	4,422.3	11.5	5.9	108.20	-452.5	244.4	506.1	491.7	14.47	34.985	
4,500.0	4,465.0	4,449.1	4,446.9	11.6	5.9	108.75	-452.8	244.4	508.1	493.5	14.57	34.880	
4,525.0	4,489.5	4,473.7	4,471.5	11.7	5.9	109.29	-453.0	244.4	510.1	495.4	14.67	34.773	
4,550.0	4,513.9	4,498.3	4,496.1	11.8	6.0	109.82	-453.2	244.4	512.1	497.3	14.77	34.666	
4,575.0	4,538.4	4,522.9	4,520.8	11.9	6.0	110.35	-453.5	244.5	514.1	499.2	14.88	34.561	
4,600.0	4,562.8	4,547.6	4,545.4	12.0	6.0	110.88	-453.7	244.5	516.2	501.2	14.98	34.456	
4,625.0	4,587.3	4,572.2	4,570.0	12.1	6.0	111.40	-453.9	244.5	518.3	503.2	15.09	34.350	
4,650.0	4,611.8	4,596.8	4,594.7	12.2	6.1	111.91	-454.1	244.6	520.5	505.3	15.20	34.245	
4,675.0	4,636.2	4,621.5	4,619.3	12.3	6.1	112.42	-454.4	244.7	522.7	507.4	15.31	34.143	
4,700.0	4,660.7	4,646.1	4,643.9	12.4	6.1	112.92	-454.6	244.8	524.9	509.5	15.42	34.042	
4,725.0	4,685.1	4,670.8	4,668.6	12.6	6.1	113.42	-454.8	244.9	527.1	511.6	15.53	33.940	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
4,750.0	4,709.6	4,695.4	4,693.3	12.7	6.2	113.91	-455.0	245.1	529.4	513.8	15.65	33.838	
4,775.0	4,734.0	4,719.5	4,717.4	12.8	6.2	114.38	-455.2	245.2	531.7	516.0	15.76	33.742	
4,800.0	4,758.5	4,743.5	4,741.3	12.9	6.2	114.84	-455.4	245.4	534.1	518.3	15.87	33.649	
4,825.0	4,782.9	4,767.4	4,765.2	13.0	6.3	115.30	-455.7	245.6	536.6	520.6	15.99	33.558	
4,850.0	4,807.4	4,791.3	4,789.1	13.1	6.3	115.76	-456.0	245.7	539.1	523.0	16.11	33.469	
4,875.0	4,831.8	4,815.2	4,813.0	13.2	6.3	116.21	-456.3	245.8	541.7	525.4	16.23	33.381	
4,900.0	4,856.3	4,839.1	4,836.9	13.3	6.3	116.66	-456.6	246.0	544.3	528.0	16.35	33.296	
4,925.0	4,880.7	4,863.0	4,860.8	13.4	6.4	117.10	-457.0	246.1	547.0	530.5	16.47	33.212	
4,950.0	4,905.2	4,886.9	4,884.7	13.5	6.4	117.53	-457.4	246.3	549.8	533.2	16.59	33.131	
4,975.0	4,929.7	4,911.0	4,908.8	13.6	6.4	117.97	-457.8	246.4	552.6	535.8	16.72	33.051	
5,000.0	4,954.1	4,935.4	4,933.2	13.8	6.4	118.40	-458.2	246.6	555.4	538.6	16.85	32.970	
5,025.0	4,978.6	4,959.8	4,957.6	13.9	6.5	118.83	-458.7	246.8	558.3	541.3	16.97	32.890	
5,050.0	5,003.0	4,984.1	4,981.9	14.0	6.5	119.25	-459.1	246.9	561.2	544.1	17.11	32.810	
5,075.0	5,027.5	5,008.5	5,006.3	14.1	6.5	119.68	-459.5	247.1	564.2	546.9	17.24	32.731	
5,100.0	5,051.9	5,032.9	5,030.6	14.2	6.5	120.10	-460.0	247.2	567.2	549.8	17.37	32.653	
5,125.0	5,076.4	5,057.2	5,055.0	14.3	6.6	120.51	-460.4	247.3	570.2	552.7	17.50	32.574	
5,150.0	5,100.8	5,081.5	5,079.3	14.4	6.6	120.93	-460.8	247.3	573.3	555.6	17.64	32.497	
5,175.0	5,125.3	5,106.0	5,103.7	14.5	6.6	121.34	-461.2	247.4	576.4	558.6	17.78	32.420	
5,200.0	5,149.7	5,130.8	5,128.5	14.6	6.6	121.76	-461.6	247.4	579.5	561.6	17.92	32.340	
5,225.0	5,174.2	5,155.6	5,153.3	14.7	6.7	122.17	-462.0	247.5	582.6	564.6	18.06	32.260	
5,250.0	5,198.6	5,180.4	5,178.1	14.9	6.7	122.58	-462.4	247.6	585.8	567.6	18.20	32.180	
5,275.0	5,223.1	5,205.1	5,202.9	15.0	6.7	122.99	-462.8	247.6	589.0	570.6	18.35	32.102	
5,300.0	5,247.6	5,229.6	5,227.4	15.1	6.7	123.38	-463.2	247.7	592.2	573.7	18.49	32.026	
5,325.0	5,272.0	5,254.2	5,251.9	15.2	6.8	123.77	-463.6	247.8	595.4	576.7	18.63	31.950	
5,350.0	5,296.5	5,278.7	5,276.5	15.3	6.8	124.15	-463.9	247.9	598.6	579.8	18.78	31.876	
5,375.0	5,320.9	5,303.2	5,300.9	15.4	6.8	124.53	-464.3	248.1	601.9	583.0	18.93	31.803	
5,400.0	5,345.4	5,327.2	5,324.9	15.5	6.8	124.89	-464.7	248.2	605.2	586.1	19.07	31.735	
5,425.0	5,369.8	5,351.2	5,349.0	15.6	6.9	125.25	-465.1	248.3	608.5	589.3	19.22	31.669	
5,450.0	5,394.3	5,375.2	5,373.0	15.7	6.9	125.61	-465.5	248.4	611.9	592.5	19.36	31.604	
5,475.0	5,418.7	5,400.0	5,397.7	15.9	6.9	125.98	-466.0	248.5	615.3	595.8	19.51	31.537	
5,500.0	5,443.2	5,423.9	5,421.6	16.0	7.0	126.32	-466.4	248.6	618.8	599.1	19.66	31.477	
5,525.0	5,467.6	5,448.5	5,446.2	16.1	7.0	126.68	-466.9	248.7	622.3	602.5	19.81	31.412	
5,550.0	5,492.1	5,473.1	5,470.8	16.2	7.0	127.03	-467.3	248.9	625.8	605.8	19.96	31.348	
5,575.0	5,516.5	5,497.7	5,495.5	16.3	7.0	127.37	-467.8	249.0	629.3	609.2	20.11	31.285	
5,600.0	5,541.0	5,521.5	5,519.2	16.4	7.1	127.70	-468.2	249.1	632.8	612.6	20.26	31.229	
5,625.0	5,565.5	5,545.2	5,542.9	16.5	7.1	128.02	-468.7	249.2	636.4	616.0	20.41	31.176	
5,650.0	5,589.9	5,568.8	5,566.5	16.6	7.1	128.34	-469.2	249.3	640.1	619.5	20.56	31.125	
5,675.0	5,614.4	5,592.5	5,590.2	16.8	7.1	128.66	-469.7	249.4	643.8	623.0	20.71	31.077	
5,700.0	5,638.8	5,616.7	5,614.4	16.9	7.2	128.98	-470.3	249.5	647.5	626.6	20.87	31.027	
5,725.0	5,663.3	5,641.1	5,638.8	17.0	7.2	129.30	-470.8	249.6	651.3	630.2	21.03	30.975	
5,750.0	5,687.7	5,665.6	5,663.3	17.1	7.2	129.62	-471.3	249.6	655.0	633.9	21.18	30.924	
5,775.0	5,712.2	5,690.1	5,687.8	17.2	7.2	129.94	-471.9	249.7	658.8	637.5	21.34	30.874	
5,800.0	5,736.6	5,714.5	5,712.2	17.3	7.3	130.25	-472.4	249.7	662.7	641.2	21.50	30.824	
5,825.0	5,761.1	5,738.9	5,736.6	17.4	7.3	130.56	-472.9	249.7	666.5	644.8	21.66	30.776	
5,850.0	5,785.5	5,763.3	5,760.9	17.5	7.3	130.86	-473.5	249.8	670.4	648.5	21.82	30.729	
5,875.0	5,810.0	5,787.7	5,785.3	17.7	7.3	131.16	-474.0	249.8	674.2	652.3	21.98	30.682	
5,900.0	5,834.4	5,812.3	5,809.9	17.8	7.4	131.47	-474.5	249.8	678.1	656.0	22.14	30.636	
5,925.0	5,858.9	5,837.2	5,834.8	17.9	7.4	131.77	-475.1	249.9	682.1	659.8	22.30	30.588	
5,950.0	5,883.3	5,862.1	5,859.7	18.0	7.4	132.06	-475.6	250.0	686.0	663.5	22.46	30.540	
5,975.0	5,907.8	5,887.0	5,884.6	18.1	7.4	132.36	-476.1	250.0	689.9	667.2	22.62	30.492	
6,000.0	5,932.3	5,911.7	5,909.3	18.2	7.5	132.64	-476.6	250.1	693.8	671.0	22.79	30.445	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	5,956.7	5,936.4	5,934.0	18.3	7.5	132.93	-477.1	250.2	697.7	674.8	22.95	30.400	
6,050.0	5,981.2	5,961.0	5,958.6	18.5	7.5	133.21	-477.6	250.3	701.6	678.5	23.11	30.355	
6,075.0	6,005.6	5,985.6	5,983.2	18.6	7.6	133.49	-478.1	250.3	705.6	682.3	23.28	30.311	
6,100.0	6,030.1	6,009.9	6,007.5	18.7	7.6	133.76	-478.5	250.4	709.5	686.1	23.44	30.269	
6,125.0	6,054.5	6,033.9	6,031.4	18.8	7.6	134.03	-479.0	250.5	713.5	689.9	23.60	30.230	
6,150.0	6,079.0	6,057.8	6,055.4	18.9	7.6	134.29	-479.4	250.5	717.5	693.8	23.76	30.193	
6,175.0	6,103.4	6,081.7	6,079.3	19.0	7.7	134.55	-479.9	250.6	721.6	697.7	23.93	30.159	
6,200.0	6,127.9	6,105.8	6,103.3	19.1	7.7	134.81	-480.4	250.6	725.7	701.6	24.09	30.125	
6,225.0	6,152.3	6,130.3	6,127.9	19.3	7.7	135.07	-481.0	250.7	729.8	705.5	24.26	30.088	
6,250.0	6,176.8	6,154.9	6,152.5	19.4	7.7	135.32	-481.5	250.8	733.9	709.5	24.42	30.052	
6,275.0	6,201.2	6,179.5	6,177.1	19.5	7.8	135.57	-482.1	250.8	738.0	713.4	24.59	30.017	
6,300.0	6,225.7	6,204.1	6,201.7	19.6	7.8	135.82	-482.6	250.9	742.2	717.4	24.75	29.983	
6,325.0	6,250.2	6,229.0	6,226.6	19.7	7.8	136.07	-483.2	251.0	746.3	721.4	24.91	29.954	
6,350.0	6,274.6	6,253.9	6,251.5	19.8	7.9	136.32	-483.7	251.1	750.4	725.3	25.08	29.924	
6,367.7	6,291.9	6,271.5	6,269.1	19.9	7.9	136.49	-484.0	251.2	753.3	728.1	25.19	29.903	
6,375.0	6,299.1	6,278.8	6,276.4	19.9	7.9	136.57	-484.2	251.2	754.5	729.3	25.24	29.896	
6,400.0	6,323.5	6,303.7	6,301.2	20.0	7.9	136.85	-484.7	251.3	758.6	733.2	25.40	29.871	
6,425.0	6,348.1	6,327.8	6,325.3	20.2	7.9	137.11	-485.1	251.4	762.5	737.0	25.56	29.836	
6,450.0	6,372.6	6,352.0	6,349.5	20.3	8.0	137.36	-485.6	251.4	766.3	740.6	25.72	29.799	
6,475.0	6,397.2	6,376.2	6,373.7	20.4	8.0	137.60	-486.1	251.5	770.1	744.2	25.88	29.760	
6,500.0	6,421.8	6,400.0	6,397.5	20.5	8.0	137.82	-486.6	251.6	773.7	747.7	26.03	29.722	
6,525.0	6,446.4	6,424.8	6,422.3	20.6	8.0	138.04	-487.1	251.6	777.3	751.1	26.19	29.681	
6,550.0	6,471.1	6,449.1	6,446.6	20.7	8.1	138.26	-487.5	251.6	780.7	754.4	26.34	29.638	
6,575.0	6,495.8	6,473.5	6,471.0	20.8	8.1	138.47	-487.8	251.4	784.0	757.5	26.49	29.592	
6,600.0	6,520.5	6,497.8	6,495.3	20.9	8.1	138.68	-488.1	251.2	787.3	760.6	26.65	29.543	
6,625.0	6,545.2	6,527.0	6,524.5	21.0	8.1	138.92	-488.3	250.8	790.3	763.5	26.82	29.466	
6,650.0	6,570.0	6,549.2	6,546.7	21.2	8.1	139.12	-488.3	250.5	793.2	766.2	26.96	29.426 SF	
6,675.0	6,594.8	6,565.0	6,562.5	21.3	8.1	139.26	-488.3	250.2	796.1	769.0	27.05	29.428	
6,700.0	6,619.6	6,576.9	6,574.4	21.4	8.1	139.37	-488.5	249.9	799.2	772.1	27.13	29.461	
6,725.0	6,644.4	6,596.0	6,593.4	21.5	8.2	139.48	-489.6	249.4	802.9	775.6	27.24	29.478	
6,750.0	6,669.2	6,596.0	6,593.4	21.6	8.2	139.52	-489.6	249.4	806.6	779.4	27.22	29.632	
6,775.0	6,694.1	6,596.0	6,593.4	21.7	8.2	139.56	-489.6	249.4	810.9	783.7	27.19	29.820	
6,800.0	6,719.0	6,613.9	6,611.2	21.8	8.2	139.63	-491.4	248.9	815.3	788.0	27.28	29.886	
6,825.0	6,743.8	6,627.0	6,624.2	21.9	8.2	139.67	-493.3	248.4	820.2	792.9	27.32	30.021	
6,850.0	6,768.8	6,627.0	6,624.2	22.0	8.2	139.72	-493.3	248.4	825.5	798.2	27.27	30.272	
6,875.0	6,793.7	6,639.5	6,636.5	22.1	8.2	139.74	-495.6	247.9	831.0	803.8	27.30	30.447	
6,900.0	6,818.6	6,658.0	6,654.5	22.2	8.2	139.72	-499.5	246.9	837.2	809.8	27.36	30.601	
6,925.0	6,843.6	6,658.0	6,654.5	22.3	8.2	139.78	-499.5	246.9	843.3	816.0	27.28	30.911	
6,950.0	6,868.5	6,658.0	6,654.5	22.3	8.2	139.85	-499.5	246.9	850.0	822.8	27.20	31.253	
6,975.0	6,893.5	6,671.8	6,667.8	22.4	8.2	139.83	-503.1	246.0	856.9	829.7	27.21	31.493	
7,000.0	6,918.4	6,689.0	6,684.2	22.5	8.3	139.77	-508.0	244.6	864.3	837.1	27.24	31.730	
7,025.0	6,943.4	6,689.0	6,684.2	22.6	8.3	139.85	-508.0	244.6	871.8	844.7	27.13	32.129	
7,050.0	6,968.4	6,689.0	6,684.2	22.7	8.3	139.93	-508.0	244.6	879.8	852.8	27.02	32.556	
7,075.0	6,993.4	6,704.1	6,698.4	22.8	8.3	139.88	-512.9	243.2	888.0	860.9	27.02	32.860	
7,100.0	7,018.4	6,720.0	6,713.2	22.8	8.3	139.79	-518.6	241.7	896.6	869.6	27.02	33.178	
7,125.0	7,043.4	6,720.0	6,713.2	22.9	8.3	139.88	-518.6	241.7	905.3	878.4	26.87	33.690	
7,150.0	7,068.4	6,720.0	6,713.2	22.9	8.3	139.97	-518.6	241.7	914.5	887.8	26.72	34.226	
7,167.6	7,086.0	6,735.5	6,727.4	22.9	8.3	-137.30	-524.7	240.1	920.9	894.2	26.72	34.463	
7,175.0	7,093.4	6,738.0	6,729.7	22.9	8.3	-137.34	-525.7	239.9	923.7	897.0	26.69	34.613	
7,200.0	7,118.4	6,751.0	6,741.4	22.9	8.3	-137.52	-531.2	238.5	933.4	906.8	26.60	35.094	
7,225.0	7,143.4	6,751.0	6,741.4	22.9	8.3	-137.52	-531.2	238.5	943.4	917.0	26.43	35.690	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,250.0	7,168.4	6,764.8	6,753.6	22.9	8.4	-137.73	-537.4	237.1	953.8	927.4	26.37	36.174	
7,275.0	7,193.4	6,783.0	6,769.5	23.0	8.4	-138.03	-546.2	235.4	964.5	938.2	26.32	36.641	
7,300.0	7,218.4	6,783.0	6,769.5	23.0	8.4	-138.03	-546.2	235.4	975.5	949.3	26.17	37.269	
7,325.0	7,243.4	6,793.2	6,778.2	23.0	8.4	-138.22	-551.3	234.5	986.8	960.7	26.09	37.825	
7,350.0	7,268.4	6,803.1	6,786.6	23.0	8.4	-138.40	-556.5	233.8	998.4	972.4	26.00	38.396	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-30.41	582.8	-342.0	675.8				
25.0	25.0	14.4	14.4	0.5	3.0	-30.41	582.8	-342.0	675.7				
50.0	50.0	40.3	40.3	0.5	3.0	-30.42	582.7	-342.1	675.7	671.0	4.73	142.999	
75.0	75.0	66.2	66.2	0.5	3.0	-30.43	582.5	-342.2	675.6	670.9	4.73	142.983	
100.0	100.0	92.1	92.1	0.5	3.0	-30.46	582.3	-342.4	675.5	670.8	4.73	142.959	
125.0	125.0	116.1	116.1	0.6	3.0	-30.49	582.0	-342.7	675.4	670.7	4.76	141.925	
150.0	150.0	140.3	140.2	0.8	3.0	-30.53	581.7	-343.0	675.4	670.6	4.80	140.707	
175.0	175.0	165.8	165.8	0.9	3.0	-30.57	581.4	-343.4	675.3	670.5	4.85	139.311	
200.0	200.0	192.6	192.6	1.0	3.0	-30.62	581.0	-343.9	675.2	670.3	4.90	137.744	
225.0	225.0	219.2	219.1	1.1	3.0	-30.67	580.6	-344.3	675.0	670.1	4.94	136.597	
250.0	250.0	244.2	244.1	1.2	3.0	-30.71	580.2	-344.6	674.8	669.8	4.98	135.385	
275.0	275.0	268.5	268.5	1.3	3.0	-30.74	579.8	-344.9	674.6	669.6	5.03	134.122	
300.0	300.0	294.9	294.8	1.4	3.0	-30.77	579.5	-345.0	674.5	669.4	5.08	132.807	
325.0	325.0	321.3	321.3	1.4	3.0	-30.80	579.1	-345.2	674.2	669.1	5.12	131.671	
350.0	350.0	350.4	350.3	1.5	3.0	-30.83	578.6	-345.3	673.9	668.7	5.16	130.484	
375.0	375.0	375.0	374.9	1.6	3.0	-30.85	578.1	-345.3	673.5	668.2	5.21	129.257	
400.0	400.0	398.3	398.2	1.6	3.0	-30.87	577.7	-345.3	673.1	667.8	5.26	128.017	
425.0	425.0	422.1	422.0	1.7	3.0	-30.89	577.3	-345.3	672.7	667.4	5.30	126.913	
450.0	450.0	446.9	446.8	1.8	3.0	-30.91	576.9	-345.4	672.4	667.1	5.35	125.802	
475.0	475.0	472.5	472.4	1.8	3.0	-30.94	576.4	-345.6	672.1	666.8	5.39	124.682	
500.0	500.0	497.6	497.5	1.9	3.1	-30.98	575.9	-345.8	671.8	666.4	5.44	123.552	
525.0	525.0	519.0	519.0	1.9	3.1	-31.01	575.6	-346.0	671.6	666.1	5.48	122.536	
550.0	550.0	542.7	542.6	2.0	3.1	-31.05	575.2	-346.3	671.4	665.9	5.52	121.543	
575.0	575.0	567.4	567.3	2.1	3.1	-31.10	574.8	-346.7	671.3	665.7	5.57	120.553	
600.0	600.0	591.8	591.7	2.1	3.1	-31.14	574.4	-347.1	671.2	665.6	5.61	119.565	
623.5	623.5	612.5	612.4	2.2	3.1	-31.17	574.2	-347.4	671.1	665.5	5.65	118.719	
625.0	625.0	613.8	613.7	2.2	3.1	-31.18	574.2	-347.4	671.1	665.4	5.66	118.667	
650.0	650.0	636.3	636.2	2.2	3.1	-31.21	574.0	-347.8	671.2	665.5	5.70	117.800	
675.0	675.0	661.7	661.6	2.3	3.1	-31.26	573.8	-348.3	671.3	665.5	5.74	116.937	
700.0	700.0	687.5	687.4	2.3	3.1	-31.31	573.6	-348.9	671.3	665.6	5.78	116.063	
725.0	725.0	713.3	713.2	2.4	3.1	-31.36	573.3	-349.4	671.4	665.6	5.83	115.235	
750.0	750.0	736.7	736.6	2.4	3.1	-31.40	573.1	-349.8	671.4	665.5	5.87	114.412	
775.0	775.0	759.3	759.2	2.5	3.1	-31.45	572.9	-350.4	671.6	665.7	5.91	113.616	
800.0	800.0	785.0	784.9	2.5	3.1	-31.52	572.6	-351.2	671.7	665.8	5.95	112.819	
825.0	825.0	810.6	810.4	2.6	3.1	-31.60	572.3	-352.0	671.9	665.9	6.00	112.058	
850.0	850.0	834.1	833.9	2.6	3.1	-31.66	572.0	-352.7	672.0	666.0	6.04	111.304	
875.0	875.0	856.5	856.3	2.6	3.2	-31.73	571.8	-353.5	672.3	666.2	6.08	110.576	
900.0	900.0	882.3	882.1	2.7	3.2	-31.82	571.4	-354.6	672.5	666.4	6.12	109.847	
925.0	925.0	908.9	908.6	2.7	3.2	-31.92	571.0	-355.6	672.7	666.6	6.16	109.137	
950.0	950.0	936.9	936.7	2.8	3.2	-32.01	570.6	-356.7	672.9	666.7	6.21	108.422	
975.0	975.0	978.8	978.5	2.8	3.2	-32.13	569.6	-357.6	672.7	666.5	6.25	107.603	
1,000.0	1,000.0	1,007.5	1,007.1	2.9	3.2	-32.18	568.6	-357.8	672.1	665.8	6.30	106.734	
1,025.0	1,025.0	1,032.9	1,032.6	2.9	3.2	-32.23	567.7	-357.9	671.4	665.0	6.34	105.888	
1,050.0	1,050.0	1,057.1	1,056.8	3.0	3.2	-32.26	566.9	-357.9	670.7	664.3	6.38	105.046	
1,075.0	1,075.0	1,080.0	1,079.6	3.0	3.2	-32.30	566.3	-357.9	670.1	663.6	6.43	104.222	
1,100.0	1,100.0	1,104.8	1,104.4	3.0	3.3	-32.34	565.5	-358.0	669.5	663.0	6.47	103.409	
1,125.0	1,125.0	1,132.4	1,132.0	3.1	3.3	-32.39	564.6	-358.2	668.9	662.3	6.52	102.609	
1,150.0	1,150.0	1,157.8	1,157.4	3.1	3.3	-32.44	563.7	-358.3	668.2	661.6	6.56	101.809	
1,175.0	1,175.0	1,181.8	1,181.4	3.2	3.3	-32.48	562.9	-358.3	667.5	660.9	6.61	101.016	
1,200.0	1,200.0	1,205.7	1,205.3	3.2	3.3	-32.53	562.1	-358.5	666.9	660.2	6.65	100.239	
1,225.0	1,225.0	1,230.0	1,229.5	3.2	3.3	-32.57	561.3	-358.6	666.2	659.5	6.70	99.483	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,250.0	1,250.0	1,250.0	1,249.6	3.3	3.3	-32.59	560.9	-358.6	665.8	659.0	6.74	98.765	
1,275.0	1,275.0	1,266.9	1,266.5	3.3	3.3	-32.60	560.7	-358.6	665.6	658.8	6.78	98.118	
1,285.7	1,285.7	1,275.0	1,274.6	3.3	3.3	-32.60	560.7	-358.6	665.5	658.7	6.80	97.853	
1,300.0	1,300.0	1,288.2	1,287.8	3.4	3.3	-32.60	560.7	-358.5	665.6	658.7	6.82	97.519	
1,325.0	1,325.0	1,312.6	1,312.1	3.4	3.3	-32.59	560.8	-358.5	665.6	658.8	6.86	96.968	
1,350.0	1,350.0	1,338.8	1,338.3	3.4	3.3	-32.59	560.9	-358.6	665.7	658.8	6.90	96.406	
1,375.0	1,375.0	1,363.8	1,363.4	3.5	3.3	-32.59	560.9	-358.5	665.7	658.7	6.95	95.817	
1,400.0	1,400.0	1,389.2	1,388.8	3.5	3.3	-32.58	560.9	-358.5	665.7	658.7	6.99	95.231	
1,425.0	1,425.0	1,414.9	1,414.5	3.6	3.3	-32.59	560.9	-358.5	665.7	658.7	7.03	94.649	
1,450.0	1,450.0	1,440.4	1,439.9	3.6	3.4	-32.60	560.8	-358.6	665.7	658.6	7.08	94.067	
1,475.0	1,475.0	1,466.4	1,466.0	3.6	3.4	-32.61	560.7	-358.7	665.6	658.5	7.12	93.479	
1,500.0	1,500.0	1,490.9	1,490.4	3.7	3.4	-32.61	560.6	-358.7	665.5	658.4	7.17	92.884	
1,525.0	1,525.0	1,514.9	1,514.5	3.7	3.4	-32.61	560.6	-358.6	665.5	658.3	7.21	92.314	
1,550.0	1,550.0	1,541.7	1,541.3	3.8	3.4	-32.58	560.8	-358.3	665.5	658.2	7.25	91.754	
1,575.0	1,575.0	1,570.1	1,569.7	3.8	3.4	-32.50	561.1	-357.5	665.3	658.0	7.30	91.177	
1,600.0	1,600.0	1,596.0	1,595.5	3.8	3.4	-32.43	561.3	-356.6	665.1	657.7	7.34	90.596	
1,625.0	1,625.0	1,619.8	1,619.3	3.9	3.4	-32.36	561.6	-355.8	664.8	657.4	7.38	90.035	
1,650.0	1,650.0	1,644.0	1,643.5	3.9	3.4	-32.28	561.9	-355.0	664.6	657.2	7.43	89.486	
1,675.0	1,675.0	1,668.1	1,667.5	3.9	3.4	-32.20	562.2	-354.1	664.5	657.0	7.47	88.946	
1,700.0	1,700.0	1,694.7	1,694.2	4.0	3.4	-32.12	562.6	-353.2	664.3	656.8	7.51	88.403	
1,725.0	1,725.0	1,718.0	1,717.5	4.0	3.4	-32.05	562.9	-352.5	664.1	656.6	7.56	87.878	
1,750.0	1,750.0	1,742.0	1,741.4	4.1	3.4	-31.98	563.2	-351.7	664.0	656.4	7.60	87.368	
1,775.0	1,775.0	1,767.4	1,766.9	4.1	3.4	-31.91	563.6	-350.9	663.9	656.3	7.64	86.859	
1,800.0	1,800.0	1,794.3	1,793.7	4.1	3.4	-31.84	563.9	-350.2	663.8	656.1	7.69	86.342	
1,825.0	1,825.0	1,817.4	1,816.8	4.2	3.4	-31.78	564.1	-349.5	663.6	655.9	7.73	85.845	
1,850.0	1,850.0	1,842.8	1,842.2	4.2	3.4	-31.73	564.4	-348.9	663.5	655.8	7.77	85.354	
1,875.0	1,875.0	1,868.8	1,868.2	4.2	3.4	-31.68	564.6	-348.4	663.4	655.6	7.82	84.857	
1,900.0	1,900.0	1,892.8	1,892.2	4.3	3.4	-31.63	564.7	-347.8	663.3	655.4	7.86	84.368	
1,925.0	1,925.0	1,917.5	1,916.9	4.3	3.4	-31.58	564.9	-347.3	663.1	655.2	7.90	83.895	
1,950.0	1,950.0	1,947.1	1,946.5	4.3	3.4	-31.52	565.1	-346.6	663.0	655.0	7.95	83.399	
1,975.0	1,975.0	1,972.9	1,972.3	4.4	3.4	-31.46	565.2	-345.8	662.7	654.7	7.99	82.894	
2,000.0	2,000.0	2,003.3	2,002.6	4.4	3.4	-31.39	565.2	-344.8	662.2	654.2	8.04	82.364	
2,025.0	2,025.0	2,033.4	2,032.7	4.5	3.4	-31.29	565.2	-343.5	661.6	653.5	8.11	81.621	
2,050.0	2,050.0	2,065.7	2,064.9	4.5	3.4	-31.15	565.1	-341.5	660.8	652.6	8.17	80.855	
2,075.0	2,075.0	2,104.5	2,103.6	4.6	3.4	-30.89	565.0	-338.0	659.6	651.3	8.24	80.036	
2,100.0	2,100.0	2,132.8	2,131.7	4.6	3.4	-30.65	564.9	-334.7	658.0	649.7	8.31	79.199	
2,125.0	2,125.0	2,157.4	2,156.1	4.7	3.4	-30.43	564.8	-331.7	656.3	648.0	8.36	78.474	
2,150.0	2,150.0	2,180.9	2,179.4	4.7	3.4	-30.21	564.7	-328.9	654.8	646.4	8.42	77.762	
2,175.0	2,175.0	2,207.2	2,205.5	4.7	3.5	-29.98	564.7	-325.8	653.2	644.7	8.48	77.057	
2,200.0	2,200.0	2,235.3	2,233.5	4.8	3.5	-29.72	564.5	-322.3	651.6	643.0	8.53	76.347	
2,225.0	2,225.0	2,263.5	2,261.4	4.8	3.5	-29.44	564.4	-318.5	649.8	641.2	8.59	75.639	
2,250.0	2,250.0	2,290.3	2,287.9	4.8	3.5	-29.15	564.3	-314.7	647.9	639.3	8.65	74.928	
2,275.0	2,275.0	2,320.2	2,317.5	4.9	3.5	-28.82	564.0	-310.3	646.0	637.3	8.70	74.213	
2,300.0	2,300.0	2,349.0	2,346.0	4.9	3.5	-28.49	563.6	-305.9	643.8	635.1	8.76	73.483	
2,325.0	2,325.0	2,379.3	2,375.8	5.0	3.5	-28.13	563.1	-301.0	641.5	632.7	8.82	72.749	
2,350.0	2,350.0	2,405.0	2,401.2	5.0	3.5	-27.80	562.6	-296.6	639.1	630.2	8.87	72.012	
2,375.0	2,375.0	2,429.8	2,425.6	5.0	3.5	-27.48	562.1	-292.4	636.6	627.7	8.93	71.282	
2,400.0	2,400.0	2,453.2	2,448.7	5.1	3.6	-27.19	561.7	-288.5	634.2	625.2	8.99	70.564	
2,425.0	2,425.0	2,475.0	2,470.2	5.1	3.6	-26.94	561.1	-285.2	632.0	622.9	9.04	69.877	
2,450.0	2,450.0	2,498.1	2,493.0	5.1	3.6	-26.71	560.5	-282.0	629.8	620.7	9.10	69.210	
2,475.0	2,475.0	2,519.0	2,513.8	5.2	3.6	-26.51	559.9	-279.3	627.7	618.5	9.15	68.565	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,500.0	2,500.0	2,540.9	2,535.5	5.2	3.6	-26.32	559.4	-276.7	625.8	616.6	9.21	67.944	
2,525.0	2,525.0	2,562.8	2,557.3	5.3	3.6	-109.02	558.9	-274.1	624.0	614.7	9.27	67.326	
2,550.0	2,550.0	2,584.9	2,579.2	5.3	3.6	-108.88	558.5	-271.6	622.5	613.1	9.33	66.748	
2,575.0	2,575.0	2,607.6	2,601.7	5.3	3.6	-108.76	558.1	-269.1	621.1	611.7	9.38	66.207	
2,600.0	2,600.0	2,629.6	2,623.7	5.4	3.7	-108.66	557.8	-266.8	619.8	610.4	9.43	65.702	
2,625.0	2,625.0	2,650.9	2,644.9	5.4	3.7	-108.57	557.6	-264.5	618.8	609.3	9.49	65.220	
2,650.0	2,649.9	2,675.2	2,669.0	5.4	3.7	-108.49	557.5	-262.0	618.0	608.4	9.54	64.760	
2,675.0	2,674.9	2,701.5	2,695.2	5.5	3.7	-108.42	557.3	-259.4	617.2	607.6	9.60	64.310	
2,700.0	2,699.8	2,725.0	2,718.5	5.5	3.7	-108.37	557.2	-257.0	616.4	606.8	9.65	63.880	
2,725.0	2,724.8	2,751.0	2,744.4	5.5	3.7	-108.34	557.0	-254.3	615.8	606.1	9.70	63.455	
2,750.0	2,749.7	2,775.0	2,768.3	5.6	3.7	-108.33	556.9	-251.9	615.2	605.5	9.76	63.044	
2,775.0	2,774.6	2,801.3	2,794.5	5.6	3.7	-108.33	556.7	-249.2	614.7	604.9	9.81	62.642	
2,800.0	2,799.5	2,827.3	2,820.3	5.7	3.8	-108.35	556.5	-246.6	614.2	604.4	9.87	62.247	
2,825.0	2,824.3	2,853.9	2,846.7	5.7	3.8	-108.37	556.4	-243.6	613.8	603.8	9.92	61.850	
2,850.0	2,849.1	2,879.3	2,872.0	5.7	3.8	-108.39	556.3	-240.4	613.3	603.3	9.98	61.461	
2,875.0	2,873.9	2,903.2	2,895.7	5.8	3.8	-108.40	556.3	-237.4	612.9	602.9	10.03	61.086	
2,900.0	2,898.7	2,926.5	2,918.8	5.9	3.8	-108.44	556.4	-234.4	612.7	602.6	10.09	60.728	
2,925.0	2,923.4	2,950.2	2,942.3	5.9	3.8	-108.49	556.5	-231.5	612.6	602.4	10.15	60.379	
2,950.0	2,948.2	2,978.9	2,970.7	6.0	3.9	-108.57	556.5	-227.9	612.5	602.3	10.20	60.028	
2,975.0	2,972.8	3,004.0	2,995.6	6.1	3.9	-108.66	556.6	-224.6	612.4	602.1	10.26	59.682	
2,993.9	2,991.4	3,022.6	3,014.0	6.1	3.9	-108.73	556.6	-222.2	612.3	602.0	10.30	59.429	
3,000.0	2,997.5	3,028.7	3,020.1	6.1	3.9	-108.75	556.6	-221.4	612.3	602.0	10.32	59.348	
3,025.0	3,022.1	3,053.9	3,045.1	6.2	3.9	-108.87	556.6	-218.1	612.4	602.0	10.38	59.010	
3,050.0	3,046.6	3,078.7	3,069.6	6.3	3.9	-109.01	556.7	-214.9	612.5	602.1	10.44	58.682	
3,075.0	3,071.1	3,103.6	3,094.4	6.4	3.9	-109.17	556.7	-211.7	612.7	602.2	10.50	58.362	
3,100.0	3,095.6	3,127.4	3,118.0	6.5	4.0	-109.34	556.7	-208.7	613.0	602.5	10.56	58.055	
3,125.0	3,120.1	3,153.1	3,143.6	6.5	4.0	-109.55	556.7	-205.5	613.4	602.8	10.62	57.754	
3,150.0	3,144.5	3,180.2	3,170.4	6.6	4.0	-109.77	556.7	-202.1	613.7	603.0	10.68	57.446	
3,175.0	3,169.0	3,207.6	3,197.6	6.7	4.0	-109.99	556.5	-198.7	613.9	603.1	10.75	57.133	
3,200.0	3,193.4	3,237.5	3,227.2	6.8	4.0	-110.24	556.1	-194.9	614.0	603.1	10.81	56.803	
3,225.0	3,217.9	3,265.7	3,255.2	6.8	4.1	-110.48	555.6	-191.3	613.9	603.0	10.87	56.450	
3,250.0	3,242.3	3,292.2	3,281.5	6.9	4.1	-110.70	555.0	-187.8	613.7	602.7	10.94	56.092	
3,275.0	3,266.8	3,317.7	3,306.7	7.0	4.1	-110.92	554.3	-184.5	613.4	602.4	11.01	55.733	
3,300.0	3,291.3	3,342.5	3,331.3	7.1	4.1	-111.13	553.7	-181.2	613.2	602.1	11.07	55.377	
3,325.0	3,315.7	3,366.2	3,354.8	7.1	4.1	-111.33	553.2	-178.1	613.0	601.9	11.14	55.019	
3,350.0	3,340.2	3,390.4	3,378.7	7.2	4.2	-111.53	552.6	-174.9	612.9	601.7	11.21	54.668	
3,375.0	3,364.6	3,416.7	3,404.8	7.3	4.2	-111.75	552.1	-171.5	612.8	601.5	11.28	54.317	
3,400.0	3,389.1	3,440.9	3,428.9	7.4	4.2	-111.96	551.5	-168.4	612.6	601.2	11.35	53.966	
3,425.0	3,413.5	3,464.5	3,452.3	7.5	4.2	-112.17	550.9	-165.3	612.5	601.1	11.42	53.616	
3,450.0	3,438.0	3,488.9	3,476.4	7.5	4.2	-112.39	550.3	-162.3	612.4	600.9	11.50	53.272	
3,470.3	3,457.8	3,508.2	3,495.6	7.6	4.2	-112.57	549.9	-159.9	612.4	600.8	11.56	52.996	
3,475.0	3,462.4	3,512.5	3,499.8	7.6	4.3	-112.60	549.8	-159.4	612.4	600.8	11.57	52.933	
3,500.0	3,486.9	3,535.7	3,522.9	7.7	4.3	-112.82	549.3	-156.6	612.5	600.8	11.64	52.605	
3,525.0	3,511.3	3,559.7	3,546.7	7.8	4.3	-113.04	548.9	-153.7	612.6	600.9	11.72	52.276	
3,550.0	3,535.8	3,583.5	3,570.4	7.9	4.3	-113.27	548.4	-151.0	612.7	601.0	11.79	51.952	
3,575.0	3,560.2	3,608.4	3,595.1	8.0	4.3	-113.50	547.9	-148.1	613.0	601.1	11.87	51.633	
3,600.0	3,584.7	3,634.6	3,621.1	8.1	4.4	-113.75	547.4	-145.1	613.1	601.2	11.95	51.308	
3,625.0	3,609.2	3,658.5	3,644.9	8.1	4.4	-113.98	546.9	-142.3	613.3	601.3	12.03	50.985	
3,650.0	3,633.6	3,683.2	3,669.4	8.2	4.4	-114.22	546.4	-139.4	613.5	601.4	12.11	50.666	
3,675.0	3,658.1	3,708.6	3,694.6	8.3	4.4	-114.46	545.9	-136.5	613.8	601.6	12.19	50.346	
3,700.0	3,682.5	3,732.9	3,718.7	8.4	4.4	-114.69	545.5	-133.7	614.0	601.7	12.27	50.032	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Rule Assigned: No-Go Distance (usft)	Separation Factor	Warning
3,725.0	3,707.0	3,757.1	3,742.8	8.5	4.5	-114.91	545.0	-130.8	614.3	601.9	12.36	49.717	
3,750.0	3,731.4	3,781.0	3,766.5	8.6	4.5	-115.13	544.6	-128.1	614.6	602.1	12.44	49.408	
3,775.0	3,755.9	3,803.7	3,789.0	8.7	4.5	-115.34	544.3	-125.4	615.0	602.4	12.52	49.111	
3,800.0	3,780.3	3,826.4	3,811.6	8.8	4.5	-115.55	544.1	-122.8	615.4	602.8	12.61	48.824	
3,825.0	3,804.8	3,852.0	3,837.0	8.9	4.5	-115.78	543.8	-119.9	616.0	603.3	12.69	48.531	
3,850.0	3,829.2	3,876.9	3,861.7	9.0	4.6	-116.00	543.6	-117.0	616.5	603.7	12.78	48.241	
3,875.0	3,853.7	3,900.0	3,884.7	9.1	4.6	-116.19	543.5	-114.2	617.0	604.2	12.87	47.961	
3,900.0	3,878.1	3,924.4	3,908.9	9.2	4.6	-116.40	543.4	-111.3	617.6	604.7	12.95	47.684	
3,925.0	3,902.6	3,951.6	3,935.9	9.3	4.6	-116.63	543.3	-108.1	618.2	605.2	13.04	47.396	
3,950.0	3,927.1	3,977.1	3,961.2	9.4	4.6	-116.85	543.1	-105.1	618.8	605.6	13.13	47.109	
3,975.0	3,951.5	4,002.6	3,986.5	9.5	4.7	-117.06	542.9	-102.0	619.3	606.1	13.23	46.822	
4,000.0	3,976.0	4,028.7	4,012.4	9.6	4.7	-117.29	542.6	-98.9	619.8	606.5	13.32	46.534	
4,025.0	4,000.4	4,053.7	4,037.3	9.7	4.7	-117.50	542.3	-95.9	620.2	606.8	13.41	46.243	
4,050.0	4,024.9	4,076.4	4,059.8	9.8	4.7	-117.70	542.1	-93.2	620.8	607.3	13.51	45.964	
4,075.0	4,049.3	4,100.8	4,084.0	9.9	4.8	-117.91	541.9	-90.4	621.4	607.8	13.60	45.686	
4,100.0	4,073.8	4,126.4	4,109.5	10.0	4.8	-118.15	541.6	-87.5	622.0	608.3	13.70	45.407	
4,125.0	4,098.2	4,151.3	4,134.2	10.1	4.8	-118.38	541.3	-84.7	622.5	608.7	13.80	45.126	
4,150.0	4,122.7	4,176.7	4,159.4	10.2	4.8	-118.61	540.9	-81.8	623.1	609.2	13.89	44.846	
4,175.0	4,147.1	4,200.0	4,182.6	10.3	4.9	-118.83	540.6	-79.3	623.7	609.7	13.99	44.573	
4,200.0	4,171.6	4,223.4	4,205.8	10.4	4.9	-119.04	540.3	-76.7	624.4	610.3	14.09	44.308	
4,225.0	4,196.0	4,246.2	4,228.6	10.5	4.9	-119.26	540.1	-74.2	625.2	611.0	14.19	44.050	
4,250.0	4,220.5	4,268.6	4,250.8	10.6	4.9	-119.48	539.9	-72.0	626.0	611.7	14.29	43.801	
4,275.0	4,244.9	4,295.0	4,277.1	10.7	4.9	-119.74	539.6	-69.4	627.0	612.6	14.40	43.543	
4,300.0	4,269.4	4,320.0	4,302.0	10.8	5.0	-120.00	539.2	-67.0	627.8	613.3	14.50	43.285	
4,325.0	4,293.9	4,342.9	4,324.7	10.9	5.0	-120.24	538.9	-64.8	628.7	614.1	14.61	43.037	
4,350.0	4,318.3	4,367.2	4,348.9	11.0	5.0	-120.49	538.6	-62.5	629.7	615.0	14.72	42.791	
4,375.0	4,342.8	4,391.7	4,373.3	11.1	5.0	-120.74	538.3	-60.3	630.7	615.9	14.83	42.546	
4,400.0	4,367.2	4,416.4	4,397.9	11.2	5.1	-121.00	538.0	-58.0	631.8	616.8	14.93	42.303	
4,425.0	4,391.7	4,440.3	4,421.7	11.3	5.1	-121.25	537.7	-55.8	632.8	617.8	15.04	42.064	
4,450.0	4,416.1	4,465.3	4,446.6	11.4	5.1	-121.51	537.5	-53.6	634.0	618.8	15.16	41.826	
4,475.0	4,440.6	4,489.9	4,471.1	11.5	5.1	-121.76	537.2	-51.3	635.0	619.8	15.27	41.589	
4,500.0	4,465.0	4,513.6	4,494.7	11.6	5.2	-122.01	536.9	-49.2	636.2	620.8	15.38	41.359	
4,525.0	4,489.5	4,539.2	4,520.3	11.7	5.2	-122.28	536.6	-47.0	637.4	621.9	15.50	41.124	
4,550.0	4,513.9	4,565.7	4,546.6	11.8	5.2	-122.55	536.3	-44.6	638.5	622.9	15.62	40.884	
4,575.0	4,538.4	4,590.2	4,571.0	11.9	5.2	-122.80	536.0	-42.4	639.6	623.9	15.73	40.652	
4,600.0	4,562.8	4,614.6	4,595.3	12.0	5.3	-123.05	535.7	-40.1	640.8	624.9	15.85	40.424	
4,625.0	4,587.3	4,638.7	4,619.3	12.1	5.3	-123.30	535.4	-37.9	641.9	626.0	15.97	40.198	
4,650.0	4,611.8	4,663.3	4,643.8	12.2	5.3	-123.54	535.1	-35.7	643.1	627.1	16.09	39.975	
4,675.0	4,636.2	4,687.5	4,667.9	12.3	5.3	-123.79	534.8	-33.6	644.4	628.2	16.21	39.753	
4,700.0	4,660.7	4,711.6	4,691.9	12.4	5.4	-124.04	534.5	-31.5	645.7	629.3	16.33	39.538	
4,725.0	4,685.1	4,736.9	4,717.1	12.6	5.4	-124.30	534.2	-29.3	646.9	630.5	16.45	39.318	
4,750.0	4,709.6	4,761.1	4,741.2	12.7	5.4	-124.54	534.0	-27.2	648.2	631.7	16.58	39.105	
4,775.0	4,734.0	4,784.6	4,764.7	12.8	5.4	-124.78	533.8	-25.1	649.6	632.9	16.70	38.900	
4,800.0	4,758.5	4,809.9	4,789.8	12.9	5.4	-125.03	533.5	-23.0	651.0	634.2	16.83	38.692	
4,825.0	4,782.9	4,839.6	4,819.4	13.0	5.5	-125.32	533.2	-20.3	652.3	635.4	16.96	38.462	
4,850.0	4,807.4	4,872.7	4,852.3	13.1	5.5	-125.63	532.8	-16.9	653.4	636.3	17.10	38.210	
4,875.0	4,831.8	4,897.7	4,877.2	13.2	5.5	-125.85	532.3	-14.2	654.3	637.0	17.23	37.980	
4,900.0	4,856.3	4,923.5	4,902.8	13.3	5.6	-126.08	531.9	-11.4	655.2	637.8	17.36	37.749	
4,925.0	4,880.7	4,947.3	4,926.5	13.4	5.6	-126.29	531.5	-8.8	656.1	638.6	17.48	37.526	
4,950.0	4,905.2	4,970.3	4,949.4	13.5	5.6	-126.49	531.1	-6.3	657.0	639.4	17.61	37.312	
4,975.0	4,929.7	4,996.7	4,975.6	13.6	5.6	-126.73	530.7	-3.5	658.0	640.3	17.74	37.088	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,000.0	4,954.1	5,022.4	5,001.1	13.8	5.7	-126.97	530.1	-0.8	659.0	641.1	17.88	36.863	
5,025.0	4,978.6	5,047.1	5,025.7	13.9	5.7	-127.20	529.6	1.7	659.9	641.9	18.01	36.643	
5,050.0	5,003.0	5,071.0	5,049.5	14.0	5.7	-127.42	529.1	4.2	660.9	642.7	18.14	36.429	
5,075.0	5,027.5	5,095.4	5,073.7	14.1	5.7	-127.65	528.6	6.7	661.9	643.6	18.28	36.217	
5,100.0	5,051.9	5,120.1	5,098.3	14.2	5.8	-127.87	528.1	9.3	662.9	644.5	18.41	36.007	
5,125.0	5,076.4	5,143.8	5,121.8	14.3	5.8	-128.10	527.6	11.6	664.0	645.5	18.55	35.802	
5,150.0	5,100.8	5,167.3	5,145.3	14.4	5.8	-128.32	527.1	14.0	665.1	646.5	18.68	35.603	
5,175.0	5,125.3	5,192.7	5,170.5	14.5	5.9	-128.56	526.6	16.4	666.3	647.5	18.82	35.399	
5,200.0	5,149.7	5,217.5	5,195.2	14.6	5.9	-128.80	526.0	18.8	667.4	648.5	18.96	35.197	
5,225.0	5,174.2	5,239.7	5,217.3	14.7	5.9	-129.02	525.5	20.8	668.6	649.5	19.10	35.008	
5,250.0	5,198.6	5,261.9	5,239.4	14.9	5.9	-129.24	525.0	22.8	670.0	650.7	19.24	34.828	
5,275.0	5,223.1	5,286.3	5,263.7	15.0	6.0	-129.48	524.5	25.0	671.4	652.0	19.38	34.644	
5,300.0	5,247.6	5,315.3	5,292.5	15.1	6.0	-129.76	524.0	27.6	672.7	653.2	19.53	34.443	
5,325.0	5,272.0	5,346.4	5,323.5	15.2	6.0	-129.98	523.9	31.3	673.9	654.2	19.68	34.241	
5,350.0	5,296.5	5,371.4	5,348.3	15.3	6.0	-130.12	524.0	34.6	674.9	655.1	19.81	34.062	
5,375.0	5,320.9	5,396.9	5,373.5	15.4	6.1	-130.27	524.2	37.9	676.0	656.0	19.95	33.883	
5,400.0	5,345.4	5,421.3	5,397.7	15.5	6.1	-130.40	524.3	41.1	677.0	656.9	20.08	33.709	
5,425.0	5,369.8	5,445.7	5,421.9	15.6	6.1	-130.54	524.4	44.4	678.0	657.8	20.22	33.537	
5,450.0	5,394.3	5,471.9	5,447.9	15.7	6.1	-130.69	524.5	47.8	679.1	658.7	20.36	33.360	
5,475.0	5,418.7	5,495.5	5,471.3	15.9	6.2	-130.82	524.6	50.9	680.1	659.6	20.49	33.192	
5,500.0	5,443.2	5,518.4	5,494.0	16.0	6.2	-130.95	524.7	53.8	681.3	660.6	20.62	33.032	
5,525.0	5,467.6	5,542.0	5,517.4	16.1	6.2	-131.09	524.9	56.8	682.4	661.7	20.76	32.873	
5,550.0	5,492.1	5,566.9	5,542.1	16.2	6.3	-131.23	525.1	59.9	683.7	662.8	20.90	32.713	
5,575.0	5,516.5	5,607.8	5,582.7	16.3	6.3	-131.48	525.0	65.3	684.7	663.6	21.07	32.500	
5,600.0	5,541.0	5,641.6	5,616.1	16.4	6.3	-131.68	524.4	70.3	685.1	663.8	21.22	32.281	
5,625.0	5,565.5	5,667.5	5,641.6	16.5	6.4	-131.83	523.9	74.2	685.4	664.0	21.37	32.077	
5,650.0	5,589.9	5,692.2	5,666.1	16.6	6.4	-131.98	523.4	77.9	685.7	664.1	21.51	31.878	
5,675.0	5,614.4	5,716.1	5,689.7	16.8	6.4	-132.13	522.9	81.5	686.0	664.3	21.65	31.683	
5,700.0	5,638.8	5,740.1	5,713.4	16.9	6.4	-132.28	522.4	85.0	686.3	664.5	21.79	31.492	
5,725.0	5,663.3	5,764.3	5,737.4	17.0	6.5	-132.44	521.8	88.5	686.7	664.8	21.94	31.301	
5,750.0	5,687.7	5,789.4	5,762.2	17.1	6.5	-132.60	521.2	92.1	687.2	665.1	22.09	31.111	
5,775.0	5,712.2	5,814.8	5,787.3	17.2	6.5	-132.77	520.6	95.8	687.6	665.3	22.24	30.921	
5,800.0	5,736.6	5,838.0	5,810.3	17.3	6.6	-132.93	520.0	99.1	688.0	665.6	22.38	30.738	
5,825.0	5,761.1	5,861.5	5,833.5	17.4	6.6	-133.10	519.4	102.3	688.5	666.0	22.53	30.558	
5,850.0	5,785.5	5,887.5	5,859.3	17.5	6.6	-133.29	518.7	105.8	689.0	666.3	22.68	30.374	
5,875.0	5,810.0	5,911.5	5,883.1	17.7	6.6	-133.46	518.0	109.1	689.5	666.7	22.84	30.195	
5,900.0	5,834.4	5,933.3	5,904.6	17.8	6.7	-133.61	517.4	112.0	690.1	667.1	22.98	30.028	
5,925.0	5,858.9	5,955.9	5,927.0	17.9	6.7	-133.78	516.9	114.9	690.8	667.7	23.13	29.865	
5,950.0	5,883.3	5,979.7	5,950.7	18.0	6.7	-133.96	516.2	117.9	691.6	668.3	23.28	29.701	
5,975.0	5,907.8	6,004.1	5,974.9	18.1	6.7	-134.16	515.5	120.9	692.4	668.9	23.44	29.536	
6,000.0	5,932.3	6,027.0	5,997.6	18.2	6.8	-134.35	514.8	123.6	693.2	669.6	23.60	29.380	
6,025.0	5,956.7	6,050.0	6,020.5	18.3	6.8	-134.53	514.2	126.3	694.2	670.4	23.75	29.228	
6,050.0	5,981.2	6,071.2	6,041.5	18.5	6.8	-134.71	513.6	128.7	695.2	671.3	23.90	29.087	
6,075.0	6,005.6	6,098.0	6,068.1	18.6	6.9	-134.94	512.8	131.6	696.3	672.3	24.07	28.930	
6,100.0	6,030.1	6,120.5	6,090.5	18.7	6.9	-135.14	512.1	134.0	697.4	673.2	24.23	28.788	
6,125.0	6,054.5	6,142.9	6,112.8	18.8	6.9	-135.33	511.5	136.4	698.6	674.2	24.38	28.652	
6,150.0	6,079.0	6,167.5	6,137.2	18.9	6.9	-135.54	510.9	139.0	699.9	675.3	24.55	28.512	
6,175.0	6,103.4	6,190.4	6,160.0	19.0	7.0	-135.74	510.2	141.3	701.1	676.4	24.71	28.379	
6,200.0	6,127.9	6,212.7	6,182.2	19.1	7.0	-135.94	509.6	143.4	702.5	677.7	24.87	28.253	
6,225.0	6,152.3	6,235.1	6,204.4	19.3	7.0	-136.15	508.9	145.5	704.0	679.0	25.03	28.131	
6,250.0	6,176.8	6,257.7	6,227.0	19.4	7.0	-136.35	508.3	147.5	705.6	680.4	25.19	28.013	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
6,275.0	6,201.2	6,281.9	6,251.1	19.5	7.1	-136.57	507.7	149.7	707.2	681.9	25.36	27.892	
6,300.0	6,225.7	6,305.9	6,275.0	19.6	7.1	-136.79	507.1	151.8	708.9	683.4	25.52	27.777	
6,325.0	6,250.2	6,334.6	6,303.5	19.7	7.1	-137.03	506.5	154.4	710.5	684.8	25.70	27.652	
6,350.0	6,274.6	6,378.2	6,346.9	19.8	7.2	-137.36	505.6	159.3	711.9	686.0	25.91	27.478	
6,367.7	6,291.9	6,396.9	6,365.4	19.9	7.2	-137.49	505.2	161.7	712.5	686.5	26.02	27.384	
6,375.0	6,299.1	6,404.7	6,373.1	19.9	7.2	-137.54	505.1	162.7	712.8	686.7	26.07	27.345	
6,400.0	6,323.5	6,429.8	6,398.0	20.0	7.2	-137.70	504.6	166.1	713.5	687.3	26.22	27.218	
6,425.0	6,348.1	6,453.2	6,421.2	20.2	7.3	-137.84	504.1	169.2	714.2	687.8	26.37	27.084	
6,450.0	6,372.6	6,475.0	6,442.8	20.3	7.3	-137.97	503.7	172.0	714.8	688.3	26.52	26.955	
6,475.0	6,397.2	6,498.3	6,465.9	20.4	7.3	-138.11	503.2	174.9	715.4	688.7	26.67	26.822	
6,500.0	6,421.8	6,522.7	6,490.2	20.5	7.3	-138.25	502.6	177.8	715.9	689.1	26.83	26.685	
6,525.0	6,446.4	6,543.3	6,510.6	20.6	7.4	-138.37	502.1	180.1	716.4	689.4	26.97	26.564	
6,550.0	6,471.1	6,563.5	6,530.7	20.7	7.4	-138.49	501.6	182.3	716.9	689.8	27.11	26.447	
6,575.0	6,495.8	6,584.0	6,551.1	20.8	7.4	-138.61	501.1	184.3	717.5	690.3	27.25	26.333	
6,600.0	6,520.5	6,605.2	6,572.1	20.9	7.4	-138.73	500.6	186.3	718.1	690.7	27.39	26.220	
6,625.0	6,545.2	6,625.0	6,591.9	21.0	7.5	-138.84	500.1	188.0	718.7	691.2	27.52	26.119	
6,650.0	6,570.0	6,645.4	6,612.2	21.2	7.5	-138.95	499.7	189.6	719.4	691.7	27.65	26.020	
6,675.0	6,594.8	6,665.8	6,632.6	21.3	7.5	-139.06	499.4	191.1	720.1	692.3	27.78	25.925	
6,700.0	6,619.6	6,686.5	6,653.2	21.4	7.5	-139.15	499.1	192.6	720.8	692.9	27.90	25.834	
6,725.0	6,644.4	6,707.6	6,674.3	21.5	7.6	-139.25	498.9	193.9	721.6	693.6	28.02	25.750	
6,750.0	6,669.2	6,730.8	6,697.5	21.6	7.6	-139.34	498.7	195.4	722.4	694.2	28.15	25.660	
6,775.0	6,694.1	6,764.1	6,730.6	21.7	7.6	-139.44	498.5	197.5	723.0	694.7	28.32	25.532	
6,800.0	6,719.0	6,797.5	6,763.9	21.8	7.7	-139.48	498.6	200.5	723.0	694.5	28.47	25.397	
6,825.0	6,743.8	6,819.9	6,786.2	21.9	7.7	-139.48	498.8	202.7	722.9	694.3	28.57	25.301	
6,850.0	6,768.8	6,840.5	6,806.7	22.0	7.7	-139.46	499.1	204.6	722.7	694.1	28.66	25.214	
6,875.0	6,793.7	6,859.8	6,825.9	22.1	7.7	-139.45	499.4	206.3	722.6	693.9	28.75	25.134	
6,886.2	6,804.9	6,868.1	6,834.2	22.1	7.7	-139.44	499.5	207.0	722.6	693.8	28.79	25.101	
6,900.0	6,818.6	6,879.7	6,845.8	22.2	7.8	-139.43	499.7	207.9	722.6	693.8	28.84	25.058	
6,925.0	6,843.6	6,907.3	6,873.3	22.3	7.8	-139.40	500.2	210.0	722.5	693.6	28.94	24.963	
6,950.0	6,868.5	6,946.1	6,911.9	22.3	7.8	-139.30	501.1	213.6	722.1	693.1	29.08	24.834	
6,975.0	6,893.5	6,973.9	6,939.5	22.4	7.9	-139.19	501.8	216.6	721.2	692.0	29.17	24.724	
7,000.0	6,918.4	6,997.3	6,962.8	22.5	7.9	-139.08	502.4	219.2	720.1	690.9	29.25	24.623	
7,025.0	6,943.4	7,017.3	6,982.7	22.6	7.9	-138.98	503.0	221.4	719.0	689.7	29.30	24.542	
7,050.0	6,968.4	7,036.4	7,001.7	22.7	7.9	-138.88	503.5	223.3	718.0	688.7	29.35	24.468	
7,075.0	6,993.4	7,055.4	7,020.6	22.8	7.9	-138.79	504.1	225.0	717.1	687.7	29.39	24.398	
7,100.0	7,018.4	7,075.0	7,040.1	22.8	8.0	-138.69	504.7	226.6	716.2	686.8	29.44	24.331	
7,125.0	7,043.4	7,097.4	7,062.5	22.9	8.0	-138.58	505.4	228.2	715.4	686.0	29.45	24.290	
7,150.0	7,068.4	7,124.6	7,089.6	22.9	8.0	-138.45	506.1	230.1	714.5	685.0	29.49	24.232	
7,167.6	7,086.0	7,167.2	7,132.0	22.9	8.1	-55.34	507.0	234.1	713.4	683.8	29.58	24.115	
7,175.0	7,093.4	7,178.3	7,143.0	22.9	8.1	-55.27	507.3	235.4	712.7	683.1	29.59	24.090	
7,200.0	7,118.4	7,202.9	7,167.4	22.9	8.1	-55.11	507.7	238.2	710.6	681.0	29.57	24.031	
7,225.0	7,143.4	7,225.0	7,189.4	22.9	8.1	-54.96	508.2	240.8	708.5	679.0	29.56	23.973	
7,250.0	7,168.4	7,241.9	7,206.1	22.9	8.1	-54.85	508.6	242.6	706.7	677.1	29.53	23.934	
7,275.0	7,193.4	7,260.3	7,224.5	23.0	8.2	-54.73	509.1	244.4	705.1	675.6	29.50	23.901	
7,300.0	7,218.4	7,282.3	7,246.3	23.0	8.2	-54.59	509.7	246.4	703.7	674.2	29.49	23.865	
7,325.0	7,243.4	7,308.1	7,272.0	23.0	8.2	-54.43	510.5	248.7	702.2	672.8	29.48	23.818	
7,350.0	7,268.4	7,330.6	7,294.4	23.0	8.2	-54.29	511.2	250.7	700.9	671.4	29.47	23.783	
7,375.0	7,293.4	7,355.9	7,319.7	23.0	8.3	-54.12	512.1	253.0	699.6	670.1	29.46	23.743	
7,400.0	7,318.4	7,408.3	7,371.7	23.0	8.3	-53.78	513.3	258.3	697.9	668.4	29.54	23.626	
7,425.0	7,343.4	7,441.7	7,404.8	23.0	8.4	-53.57	513.4	262.6	695.4	665.8	29.56	23.525	
7,450.0	7,368.4	7,464.9	7,427.8	23.0	8.4	-53.41	513.5	265.6	692.8	663.2	29.55	23.445	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,475.0	7,393.4	7,486.4	7,449.2	23.0	8.4	-53.28	513.5	268.3	690.3	660.8	29.54	23.371	
7,500.0	7,418.4	7,508.5	7,471.1	23.0	8.5	-53.14	513.6	270.9	687.9	658.4	29.53	23.298	
7,525.0	7,443.4	7,531.6	7,494.1	23.0	8.5	-53.00	513.6	273.6	685.7	656.1	29.52	23.226	
7,550.0	7,468.4	7,557.4	7,519.7	23.1	8.5	-52.85	513.7	276.6	683.4	653.9	29.52	23.149	
7,575.0	7,493.4	7,597.6	7,559.6	23.1	8.6	-52.64	513.3	281.3	680.9	651.4	29.57	23.026	
7,600.0	7,518.4	7,622.6	7,584.5	23.1	8.6	-52.53	512.5	284.3	678.1	648.5	29.58	22.922	
7,625.0	7,543.4	7,644.3	7,606.0	23.1	8.6	-52.44	511.8	286.9	675.3	645.7	29.58	22.828	
7,650.0	7,568.4	7,664.9	7,626.4	23.1	8.6	-52.37	511.2	289.2	672.6	643.0	29.58	22.740	
7,675.0	7,593.4	7,686.4	7,647.8	23.1	8.7	-52.29	510.6	291.4	670.1	640.5	29.58	22.655	
7,700.0	7,618.4	7,707.7	7,669.0	23.1	8.7	-52.23	509.9	293.4	667.7	638.1	29.58	22.572	
7,725.0	7,643.4	7,727.6	7,688.8	23.1	8.7	-52.18	509.3	295.2	665.5	635.9	29.58	22.498	
7,750.0	7,668.4	7,750.9	7,712.0	23.1	8.7	-52.12	508.7	297.1	663.4	633.8	29.59	22.419	
7,775.0	7,693.4	7,777.4	7,738.4	23.1	8.8	-52.05	507.9	299.4	661.3	631.7	29.62	22.329	
7,800.0	7,718.4	7,800.0	7,760.9	23.1	8.8	-52.00	507.3	301.2	659.3	629.6	29.63	22.252	
7,825.0	7,743.4	7,824.5	7,785.3	23.2	8.8	-51.94	506.6	303.2	657.2	627.6	29.64	22.172	
7,850.0	7,768.4	7,846.6	7,807.4	23.2	8.9	-51.89	506.0	304.9	655.3	625.6	29.65	22.099	
7,875.0	7,793.4	7,868.1	7,828.8	23.2	8.9	-51.84	505.4	306.5	653.4	623.8	29.66	22.032	
7,900.0	7,818.4	7,890.1	7,850.8	23.2	8.9	-51.79	504.9	308.0	651.7	622.0	29.67	21.969	
7,925.0	7,843.4	7,913.8	7,874.4	23.2	8.9	-51.75	504.3	309.5	650.1	620.4	29.68	21.901	
7,950.0	7,868.4	7,940.5	7,901.0	23.2	9.0	-51.72	503.5	311.2	648.4	618.7	29.71	21.822	
7,975.0	7,893.4	7,973.2	7,933.6	23.2	9.0	-51.65	502.7	313.5	646.6	616.9	29.77	21.723	
8,000.0	7,918.4	8,009.8	7,970.1	23.2	9.1	-51.50	501.9	317.1	644.4	614.6	29.82	21.607	
8,025.0	7,943.4	8,037.5	7,997.6	23.2	9.1	-51.38	501.3	320.1	641.9	612.0	29.84	21.510	
8,050.0	7,968.4	8,063.1	8,023.0	23.2	9.1	-51.26	500.7	323.0	639.3	609.5	29.85	21.417	
8,075.0	7,993.4	8,087.6	8,047.4	23.2	9.1	-51.14	500.1	325.8	636.7	606.9	29.86	21.326	
8,100.0	8,018.4	8,110.9	8,070.5	23.3	9.2	-51.03	499.6	328.3	634.2	604.4	29.86	21.239	
8,125.0	8,043.4	8,134.1	8,093.5	23.3	9.2	-50.93	499.0	330.8	631.8	601.9	29.86	21.155	
8,150.0	8,068.4	8,157.9	8,117.3	23.3	9.2	-50.82	498.5	333.3	629.4	599.5	29.87	21.070	
8,175.0	8,093.4	8,181.9	8,141.0	23.3	9.3	-50.72	497.9	335.8	627.0	597.1	29.88	20.986	
8,200.0	8,118.4	8,204.1	8,163.1	23.3	9.3	-50.62	497.5	338.1	624.7	594.8	29.88	20.910	
8,225.0	8,143.4	8,227.0	8,185.9	23.3	9.3	-50.52	497.0	340.3	622.5	592.6	29.88	20.834	
8,250.0	8,168.4	8,252.3	8,211.1	23.3	9.3	-50.40	496.6	342.8	620.4	590.5	29.89	20.755	
8,275.0	8,193.4	8,280.5	8,239.1	23.3	9.4	-50.22	496.5	346.0	618.1	588.2	29.90	20.673	
8,300.0	8,218.4	8,305.9	8,264.3	23.3	9.4	-50.03	496.6	349.1	615.8	585.9	29.90	20.599	
8,325.0	8,243.4	8,330.7	8,288.9	23.3	9.4	-49.83	496.8	352.2	613.5	583.6	29.89	20.527	
8,350.0	8,268.4	8,352.9	8,311.0	23.3	9.5	-49.65	496.9	355.0	611.2	581.4	29.87	20.462	
8,375.0	8,293.4	8,375.0	8,332.9	23.4	9.5	-49.48	497.1	357.6	609.1	579.2	29.85	20.402	
8,400.0	8,318.4	8,398.6	8,356.3	23.4	9.5	-49.29	497.3	360.4	607.0	577.2	29.84	20.340	
8,425.0	8,343.4	8,422.7	8,380.2	23.4	9.6	-49.11	497.5	363.1	605.0	575.2	29.83	20.279	
8,450.0	8,368.4	8,454.7	8,412.1	23.4	9.6	-48.85	497.8	366.9	602.9	573.1	29.85	20.200	
8,475.0	8,393.4	8,489.7	8,446.8	23.4	9.6	-48.55	497.8	371.6	600.4	570.5	29.87	20.099	
8,500.0	8,418.4	8,513.0	8,469.8	23.4	9.7	-48.35	497.8	374.9	597.7	567.8	29.86	20.019	
8,525.0	8,443.4	8,533.5	8,490.1	23.4	9.7	-48.17	497.8	377.6	595.2	565.3	29.83	19.950	
8,550.0	8,468.4	8,553.3	8,509.8	23.4	9.7	-48.01	497.8	380.1	592.8	563.0	29.81	19.888	
8,575.0	8,493.4	8,575.0	8,531.3	23.4	9.7	-47.84	497.8	382.6	590.8	561.0	29.79	19.828	
8,600.0	8,518.4	8,593.7	8,550.0	23.4	9.8	-47.72	497.8	384.5	588.9	559.1	29.77	19.779	
8,625.0	8,543.4	8,620.0	8,576.1	23.5	9.8	-47.56	497.7	387.0	587.1	557.3	29.78	19.713	
8,650.0	8,568.4	8,653.1	8,609.0	23.5	9.8	-47.38	497.3	390.2	585.0	555.2	29.82	19.620	
8,675.0	8,593.4	8,679.7	8,635.5	23.5	9.9	-47.24	496.7	392.9	582.8	552.9	29.83	19.535	
8,700.0	8,618.4	8,700.0	8,655.7	23.5	9.9	-47.13	496.3	395.0	580.6	550.8	29.82	19.468	
8,725.0	8,643.4	8,723.5	8,679.1	23.5	9.9	-47.00	495.9	397.3	578.5	548.7	29.82	19.397	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,750.0	8,668.4	8,746.1	8,701.6	23.5	10.0	-46.89	495.6	399.4	576.5	546.7	29.82	19.332	
8,775.0	8,693.4	8,769.4	8,724.8	23.5	10.0	-46.77	495.2	401.4	574.7	544.8	29.83	19.267	
8,800.0	8,718.4	8,794.3	8,749.6	23.5	10.0	-46.65	494.8	403.6	572.8	543.0	29.84	19.198	
8,825.0	8,743.4	8,828.2	8,783.3	23.5	10.1	-46.48	494.2	406.8	570.8	540.9	29.88	19.103	
8,850.0	8,768.4	8,876.0	8,830.8	23.5	10.1	-46.19	492.7	412.5	568.1	538.1	29.98	18.950	
8,875.0	8,793.4	8,902.1	8,856.6	23.5	10.2	-46.03	491.5	416.0	564.9	534.9	29.99	18.834	
8,900.0	8,818.4	8,926.2	8,880.5	23.6	10.2	-45.89	490.3	419.2	561.6	531.6	30.00	18.723	
8,925.0	8,843.4	8,950.0	8,904.0	23.6	10.2	-45.74	489.2	422.4	558.4	528.4	30.00	18.614	
8,950.0	8,868.4	8,973.5	8,927.3	23.6	10.2	-45.60	488.0	425.5	555.2	525.2	30.00	18.507	
8,975.0	8,893.4	8,995.0	8,948.6	23.6	10.3	-45.48	487.0	428.2	552.1	522.1	29.99	18.408	
9,000.0	8,918.4	9,015.8	8,969.2	23.6	10.3	-45.37	486.1	430.7	549.2	519.2	29.98	18.316	
9,025.0	8,943.4	9,038.9	8,992.2	23.6	10.3	-45.26	485.1	433.2	546.4	516.5	29.99	18.222	
9,050.0	8,968.4	9,064.0	9,017.1	23.6	10.4	-45.14	483.9	436.0	543.7	513.7	30.00	18.121	
9,075.0	8,993.4	9,085.7	9,038.6	23.6	10.4	-45.03	482.9	438.3	541.0	511.0	30.00	18.031	
9,100.0	9,018.4	9,101.0	9,053.8	23.6	10.4	-44.97	482.3	439.8	538.6	508.6	29.97	17.972	
9,125.0	9,043.4	9,124.5	9,077.2	23.6	10.4	-44.88	481.5	441.8	536.5	506.5	29.96	17.905	
9,150.0	9,068.4	9,147.8	9,100.5	23.7	10.4	-44.80	480.7	443.7	534.4	504.4	29.96	17.840	
9,175.0	9,093.4	9,171.3	9,123.9	23.7	10.4	-44.72	479.9	445.5	532.4	502.5	29.95	17.776	
9,200.0	9,118.4	9,195.6	9,148.1	23.7	10.4	-44.64	479.0	447.3	530.5	500.5	29.95	17.711	
9,225.0	9,143.4	9,219.9	9,172.3	23.7	10.4	-44.57	478.2	449.1	528.6	498.6	29.95	17.646	
9,250.0	9,168.4	9,584.7	9,498.9	23.7	10.8	-48.57	361.0	526.3	518.7	485.7	33.02	15.710	
9,275.0	9,193.4	9,613.1	9,519.6	23.7	10.8	-49.42	344.6	536.6	502.1	468.8	33.25	15.099	
9,300.0	9,218.4	9,637.0	9,536.7	23.7	10.8	-50.36	330.0	544.7	485.2	451.7	33.46	14.501	
9,325.0	9,243.4	9,665.5	9,556.5	23.7	10.9	-51.76	311.7	553.8	468.1	434.3	33.75	13.866	
9,350.0	9,268.4	9,695.8	9,576.8	23.7	10.9	-53.57	291.3	563.4	450.6	416.5	34.10	13.211	
9,375.0	9,293.4	9,732.8	9,600.3	23.7	11.0	-56.32	265.2	575.1	432.5	397.9	34.58	12.505	
9,400.0	9,318.4	9,761.8	9,617.6	23.8	11.0	-58.97	243.9	584.3	413.9	378.9	34.97	11.836	
9,425.0	9,343.4	9,788.0	9,632.6	23.8	11.1	-61.79	224.0	592.8	395.0	359.7	35.34	11.179	
9,450.0	9,368.4	9,813.5	9,646.3	23.8	11.1	-65.01	204.3	601.1	375.9	340.2	35.71	10.526	
9,475.0	9,393.4	9,836.3	9,657.9	23.8	11.2	-68.36	186.2	608.6	356.6	320.6	36.06	9.890	
9,500.0	9,418.4	9,852.6	9,665.9	23.8	11.2	-71.06	173.0	614.0	337.4	301.1	36.33	9.288	
9,525.0	9,443.4	9,868.9	9,673.7	23.8	11.2	-74.03	159.8	619.5	318.3	281.7	36.61	8.696	
9,550.0	9,468.4	9,884.3	9,680.8	23.8	11.2	-77.11	147.2	624.7	299.5	262.6	36.88	8.121	
9,575.0	9,493.4	9,897.4	9,686.8	23.8	11.3	-79.97	136.3	629.1	281.1	244.0	37.13	7.570	
9,600.0	9,518.4	9,910.2	9,692.4	23.8	11.3	-82.98	125.6	633.3	263.2	225.8	37.38	7.041	
9,625.0	9,543.4	9,922.4	9,697.5	23.8	11.3	-86.02	115.3	637.2	246.0	208.4	37.61	6.540	
9,650.0	9,568.4	9,933.8	9,702.3	23.9	11.4	-89.08	105.6	640.9	229.7	191.9	37.82	6.073	
9,675.0	9,593.4	9,944.6	9,706.6	23.9	11.4	-92.09	96.3	644.3	214.5	176.5	37.99	5.647	
9,700.0	9,618.4	9,954.6	9,710.5	23.9	11.4	-95.03	87.6	647.4	200.8	162.7	38.09	5.273	
9,725.0	9,643.4	9,964.0	9,714.0	23.9	11.4	-97.87	79.4	650.2	189.0	150.9	38.10	4.960	
9,750.0	9,668.4	9,972.0	9,716.9	23.9	11.4	-100.35	72.3	652.6	179.4	141.4	37.99	4.721	
9,775.0	9,693.4	9,981.3	9,720.2	23.9	11.5	-103.27	64.1	655.3	172.4	134.7	37.76	4.566	
9,800.0	9,718.4	9,989.4	9,723.0	23.9	11.5	-105.86	56.8	657.6	168.5	131.1	37.40	4.505 SF	
9,817.6	9,736.0	9,994.9	9,724.9	23.9	11.5	-107.64	51.9	659.2	167.7	130.6	37.08	4.521 CC, ES	
9,825.0	9,743.4	9,997.2	9,725.6	23.9	11.5	-108.37	49.8	659.9	167.8	130.9	36.94	4.543	
9,850.0	9,768.4	10,004.7	9,728.2	23.9	11.5	-110.80	43.1	662.0	170.5	134.0	36.45	4.676	
9,875.0	9,793.4	10,012.0	9,730.6	23.9	11.6	-113.13	36.5	664.0	176.3	140.3	35.99	4.898	
9,900.0	9,818.4	10,019.0	9,732.8	24.0	11.6	-115.36	30.2	666.0	185.0	149.4	35.62	5.194	
9,925.0	9,843.4	10,025.9	9,735.0	24.0	11.6	-117.53	23.9	667.8	196.3	160.9	35.36	5.551	
9,950.0	9,868.4	10,032.5	9,737.1	24.0	11.6	-119.59	17.9	669.6	209.7	174.5	35.20	5.956	
9,975.0	9,893.4	10,038.9	9,739.0	24.0	11.6	-121.55	12.0	671.3	224.8	189.7	35.14	6.398	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,000.0	9,918.4	10,045.1	9,740.9	24.0	11.6	-123.41	6.4	673.0	241.4	206.3	35.15	6.870	
10,025.0	9,943.4	10,051.1	9,742.7	24.0	11.7	-125.18	0.9	674.6	259.2	224.0	35.20	7.363	
10,050.0	9,968.4	10,056.8	9,744.3	24.0	11.7	-126.85	-4.4	676.1	277.9	242.6	35.30	7.874	
10,075.0	9,993.4	10,066.0	9,746.9	24.0	11.7	-129.43	-12.9	678.4	297.5	262.1	35.35	8.416	
10,100.0	10,018.4	10,066.0	9,746.9	24.0	11.7	-129.43	-12.9	678.4	317.6	282.0	35.59	8.925	
10,125.0	10,043.4	10,072.8	9,748.8	24.0	11.7	-131.27	-19.1	680.2	338.3	302.6	35.71	9.476	
10,150.0	10,068.4	10,077.5	9,750.1	24.1	11.8	-132.54	-23.6	681.4	359.5	323.6	35.86	10.025	
10,153.2	10,071.6	10,078.1	9,750.3	24.1	11.8	-132.70	-24.1	681.6	362.2	326.3	35.88	10.095	
10,175.0	10,093.4	10,081.7	9,751.2	24.1	11.8	-130.15	-27.5	682.5	381.2	345.3	35.90	10.618	
10,200.0	10,118.3	10,085.0	9,752.0	24.1	11.8	-126.33	-30.5	683.3	403.6	367.6	36.06	11.192	
10,225.0	10,143.1	10,087.2	9,752.6	24.1	11.8	-121.25	-32.6	683.9	426.6	390.4	36.21	11.781	
10,250.0	10,167.7	10,088.6	9,752.9	24.1	11.8	-114.64	-33.8	684.3	450.0	413.7	36.35	12.381	
10,275.0	10,192.1	10,089.1	9,753.1	24.1	11.8	-106.30	-34.3	684.4	473.8	437.3	36.47	12.989	
10,300.0	10,216.1	10,088.8	9,753.0	24.1	11.8	-96.23	-34.1	684.3	497.7	461.1	36.59	13.605	
10,325.0	10,239.7	10,087.8	9,752.7	24.1	11.8	-84.92	-33.1	684.1	521.8	485.2	36.69	14.224	
10,350.0	10,262.9	10,086.0	9,752.3	24.1	11.8	-73.29	-31.5	683.6	546.0	509.2	36.78	14.847	
10,375.0	10,285.5	10,083.6	9,751.7	24.1	11.8	-62.41	-29.3	683.0	570.1	533.3	36.85	15.470	
10,400.0	10,307.5	10,080.6	9,750.9	24.1	11.8	-52.99	-26.5	682.2	594.1	557.2	36.92	16.093	
10,425.0	10,328.9	10,077.1	9,750.0	24.1	11.8	-45.22	-23.1	681.3	618.0	581.0	36.97	16.714	
10,450.0	10,349.6	10,066.0	9,746.9	24.1	11.7	-38.31	-12.9	678.4	641.6	604.6	37.07	17.307	
10,475.0	10,369.6	10,066.0	9,746.9	24.1	11.7	-33.83	-12.9	678.4	664.9	627.8	37.07	17.936	
10,500.0	10,388.7	10,066.0	9,746.9	24.1	11.7	-30.13	-12.9	678.4	687.9	650.8	37.05	18.564	
10,525.0	10,406.9	10,066.0	9,746.9	24.1	11.7	-27.04	-12.9	678.4	710.5	673.5	37.02	19.191	
10,550.0	10,424.3	10,049.9	9,742.3	24.1	11.7	-24.17	1.9	674.3	732.6	695.5	37.11	19.741	
10,575.0	10,440.6	10,042.7	9,740.2	24.1	11.6	-22.04	8.6	672.3	754.2	717.1	37.11	20.323	
10,600.0	10,456.0	10,035.0	9,737.8	24.1	11.6	-20.29	15.6	670.3	775.3	738.2	37.10	20.896	
10,625.0	10,470.3	10,019.0	9,732.8	24.1	11.6	-18.85	30.2	666.0	795.9	758.8	37.14	21.428	
10,650.0	10,483.5	10,019.0	9,732.8	24.1	11.6	-17.62	30.2	666.0	815.8	778.7	37.06	22.012	
10,675.0	10,495.5	10,019.0	9,732.8	24.2	11.6	-16.54	30.2	666.0	835.1	798.2	36.96	22.593	
10,700.0	10,506.4	10,000.5	9,726.8	24.2	11.5	-15.74	46.8	660.8	853.6	816.6	36.99	23.077	
10,725.0	10,516.2	9,991.1	9,723.6	24.2	11.5	-15.02	55.3	658.1	871.5	834.6	36.94	23.591	
10,750.0	10,524.7	9,972.0	9,716.9	24.2	11.4	-14.50	72.3	652.6	888.8	851.8	36.95	24.052	
10,775.0	10,531.9	9,972.0	9,716.9	24.2	11.4	-13.87	72.3	652.6	905.1	868.3	36.82	24.581	
10,800.0	10,537.9	9,972.0	9,716.9	24.3	11.4	-13.30	72.3	652.6	920.9	884.2	36.68	25.106	
10,825.0	10,542.6	9,955.5	9,710.8	24.3	11.4	-13.00	86.8	647.6	935.7	899.0	36.65	25.532	
10,850.0	10,546.1	9,947.3	9,707.7	24.3	11.4	-12.66	93.9	645.1	949.8	913.3	36.55	25.989	
10,875.0	10,548.2	9,939.0	9,704.4	24.3	11.4	-12.37	101.1	642.5	963.2	926.7	36.44	26.431	
10,898.5	10,549.0	9,924.0	9,698.2	24.4	11.3	-12.25	114.0	637.7	975.0	938.7	36.38	26.798	
10,900.0	10,549.0	9,924.0	9,698.2	24.4	11.3	-12.25	114.0	637.7	975.8	939.4	36.37	26.828	
10,925.0	10,549.3	9,924.0	9,698.2	24.4	11.3	-12.25	114.0	637.7	988.1	951.9	36.20	27.296	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-32.55	582.6	-371.9	691.3				
25.0	25.0	15.1	15.1	0.5	3.0	-32.55	582.6	-371.9	691.2				
50.0	50.0	40.6	40.6	0.5	3.0	-32.56	582.5	-372.0	691.2	686.4	4.73	146.274	
75.0	75.0	66.0	66.0	0.5	3.0	-32.57	582.4	-372.1	691.1	686.4	4.73	146.266	
100.0	100.0	91.4	91.4	0.5	3.0	-32.59	582.3	-372.2	691.1	686.4	4.73	146.255	
125.0	125.0	116.5	116.5	0.6	3.0	-32.61	582.1	-372.4	691.0	686.3	4.76	145.211	
150.0	150.0	141.5	141.5	0.8	3.0	-32.63	581.9	-372.6	691.0	686.2	4.80	143.967	
175.0	175.0	166.7	166.7	0.9	3.0	-32.66	581.7	-372.9	690.9	686.1	4.85	142.539	
200.0	200.0	192.0	192.0	1.0	3.0	-32.69	581.4	-373.1	690.8	685.9	4.90	140.944	
225.0	225.0	217.4	217.4	1.1	3.0	-32.71	581.2	-373.3	690.8	685.8	4.94	139.792	
250.0	250.0	242.3	242.3	1.2	3.0	-32.74	580.9	-373.6	690.7	685.7	4.98	138.579	
275.0	275.0	268.3	268.3	1.3	3.0	-32.78	580.6	-373.9	690.6	685.5	5.03	137.309	
300.0	300.0	293.6	293.6	1.4	3.0	-32.81	580.3	-374.1	690.4	685.4	5.08	135.983	
325.0	325.0	319.4	319.4	1.4	3.0	-32.84	580.0	-374.3	690.3	685.2	5.12	134.854	
350.0	350.0	345.3	345.3	1.5	3.0	-32.87	579.6	-374.5	690.1	685.0	5.16	133.690	
375.0	375.0	370.9	370.8	1.6	3.0	-32.89	579.3	-374.7	689.9	684.7	5.21	132.495	
400.0	400.0	394.9	394.9	1.6	3.0	-32.92	578.9	-374.8	689.7	684.5	5.25	131.282	
425.0	425.0	420.3	420.3	1.7	3.0	-32.95	578.6	-375.0	689.5	684.2	5.30	130.199	
450.0	450.0	445.1	445.1	1.8	3.0	-32.98	578.2	-375.2	689.3	684.0	5.34	129.104	
475.0	475.0	469.6	469.6	1.8	3.0	-33.01	577.9	-375.4	689.2	683.8	5.38	128.002	
500.0	500.0	494.7	494.7	1.9	3.1	-33.04	577.5	-375.7	689.0	683.6	5.43	126.892	
525.0	525.0	519.7	519.6	1.9	3.1	-33.07	577.2	-375.9	688.8	683.3	5.47	125.873	
550.0	550.0	544.6	544.5	2.0	3.1	-33.10	576.9	-376.1	688.6	683.1	5.52	124.849	
575.0	575.0	568.8	568.7	2.1	3.1	-33.13	576.6	-376.3	688.5	682.9	5.56	123.827	
600.0	600.0	592.4	592.3	2.1	3.1	-33.16	576.3	-376.5	688.4	682.8	5.60	122.816	
625.0	625.0	616.8	616.8	2.2	3.1	-33.20	576.0	-376.8	688.3	682.7	5.65	121.884	
649.7	649.7	639.6	639.6	2.2	3.1	-33.23	575.7	-377.2	688.3	682.6	5.69	120.978	
650.0	650.0	639.9	639.9	2.2	3.1	-33.23	575.7	-377.2	688.3	682.6	5.69	120.966	
675.0	675.0	663.5	663.4	2.3	3.1	-33.27	575.5	-377.6	688.3	682.6	5.73	120.066	
700.0	700.0	688.0	687.9	2.3	3.1	-33.32	575.2	-378.1	688.4	682.6	5.78	119.171	
725.0	725.0	712.9	712.8	2.4	3.1	-33.36	575.0	-378.6	688.4	682.6	5.82	118.332	
750.0	750.0	737.9	737.8	2.4	3.1	-33.41	574.7	-379.1	688.5	682.6	5.86	117.492	
775.0	775.0	761.9	761.8	2.5	3.1	-33.46	574.5	-379.6	688.6	682.7	5.90	116.661	
800.0	800.0	786.3	786.2	2.5	3.1	-33.50	574.3	-380.1	688.7	682.8	5.95	115.840	
825.0	825.0	811.9	811.8	2.6	3.1	-33.52	574.3	-380.4	688.9	682.9	5.99	115.062	
850.0	850.0	838.3	838.2	2.6	3.2	-33.54	574.2	-380.6	688.9	682.9	6.03	114.280	
875.0	875.0	866.0	865.9	2.6	3.2	-33.53	574.3	-380.6	689.0	682.9	6.07	113.479	
900.0	900.0	893.0	892.9	2.7	3.2	-33.49	574.5	-380.1	688.9	682.8	6.12	112.653	
925.0	925.0	917.8	917.7	2.7	3.1	-33.45	574.7	-379.6	688.8	682.6	6.16	111.859	
950.0	950.0	942.1	942.0	2.8	3.1	-33.40	575.0	-379.1	688.7	682.5	6.20	111.075	
975.0	975.0	966.9	966.8	2.8	3.1	-33.35	575.2	-378.6	688.6	682.4	6.24	110.297	
1,000.0	1,000.0	991.2	991.0	2.9	3.1	-33.31	575.5	-378.1	688.6	682.3	6.29	109.526	
1,025.0	1,025.0	1,016.2	1,016.0	2.9	3.1	-33.26	575.7	-377.6	688.5	682.2	6.33	108.790	
1,050.0	1,050.0	1,041.8	1,041.6	3.0	3.1	-33.22	576.0	-377.1	688.5	682.1	6.37	108.051	
1,075.0	1,075.0	1,066.3	1,066.2	3.0	3.1	-33.18	576.2	-376.8	688.4	682.0	6.41	107.318	
1,100.0	1,100.0	1,091.5	1,091.4	3.0	3.1	-33.15	576.3	-376.4	688.4	681.9	6.46	106.591	
1,125.0	1,125.0	1,116.8	1,116.7	3.1	3.1	-33.13	576.4	-376.1	688.3	681.8	6.50	105.885	
1,147.5	1,147.5	1,137.6	1,137.4	3.1	3.1	-33.11	576.5	-376.0	688.3	681.7	6.54	105.265	
1,150.0	1,150.0	1,139.7	1,139.6	3.1	3.1	-33.11	576.5	-375.9	688.3	681.7	6.54	105.198	
1,175.0	1,175.0	1,164.7	1,164.6	3.2	3.1	-33.09	576.6	-375.8	688.3	681.7	6.59	104.525	
1,200.0	1,200.0	1,191.0	1,190.9	3.2	3.1	-33.08	576.7	-375.7	688.3	681.7	6.63	103.840	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,225.0	1,225.0	1,216.3	1,216.2	3.2	3.1	-33.06	576.8	-375.5	688.2	681.6	6.67	103.173	
1,250.0	1,250.0	1,242.5	1,242.3	3.3	3.1	-33.05	576.8	-375.3	688.2	681.5	6.71	102.499	
1,275.0	1,275.0	1,266.5	1,266.3	3.3	3.1	-33.04	576.8	-375.2	688.1	681.3	6.76	101.832	
1,293.7	1,293.7	1,283.8	1,283.6	3.4	3.1	-33.04	576.8	-375.1	688.1	681.3	6.79	101.352	
1,300.0	1,300.0	1,289.6	1,289.5	3.4	3.1	-33.04	576.8	-375.1	688.1	681.3	6.80	101.195	
1,325.0	1,325.0	1,312.8	1,312.7	3.4	3.1	-33.03	576.9	-375.1	688.1	681.3	6.84	100.602	
1,350.0	1,350.0	1,336.0	1,335.8	3.4	3.2	-33.03	577.0	-375.2	688.2	681.4	6.88	100.028	
1,375.0	1,375.0	1,359.9	1,359.7	3.5	3.2	-33.04	577.1	-375.3	688.4	681.5	6.92	99.462	
1,400.0	1,400.0	1,384.5	1,384.4	3.5	3.2	-33.06	577.1	-375.6	688.6	681.6	6.96	98.895	
1,425.0	1,425.0	1,409.1	1,408.9	3.6	3.2	-33.08	577.2	-375.9	688.8	681.8	7.00	98.347	
1,450.0	1,450.0	1,434.6	1,434.5	3.6	3.2	-33.10	577.2	-376.3	689.0	682.0	7.05	97.796	
1,475.0	1,475.0	1,460.1	1,460.0	3.6	3.2	-33.13	577.2	-376.7	689.2	682.1	7.09	97.245	
1,500.0	1,500.0	1,485.1	1,484.9	3.7	3.2	-33.16	577.1	-377.1	689.4	682.3	7.13	96.697	
1,525.0	1,525.0	1,509.8	1,509.7	3.7	3.2	-33.18	577.1	-377.4	689.6	682.4	7.17	96.165	
1,550.0	1,550.0	1,534.8	1,534.6	3.8	3.2	-33.17	577.4	-377.4	689.8	682.6	7.21	95.634	
1,575.0	1,575.0	1,559.8	1,559.7	3.8	3.2	-33.13	577.8	-377.1	690.0	682.7	7.26	95.101	
1,600.0	1,600.0	1,584.0	1,583.8	3.8	3.2	-33.08	578.3	-376.7	690.2	682.9	7.30	94.575	
1,625.0	1,625.0	1,608.3	1,608.1	3.9	3.2	-33.04	578.8	-376.4	690.4	683.1	7.34	94.067	
1,650.0	1,650.0	1,633.4	1,633.2	3.9	3.2	-32.99	579.3	-376.0	690.6	683.3	7.38	93.560	
1,675.0	1,675.0	1,658.0	1,657.8	3.9	3.2	-32.95	579.8	-375.7	690.9	683.5	7.42	93.059	
1,700.0	1,700.0	1,682.6	1,682.4	4.0	3.2	-32.91	580.2	-375.5	691.2	683.7	7.47	92.565	
1,725.0	1,725.0	1,708.0	1,707.7	4.0	3.2	-32.88	580.7	-375.3	691.4	683.9	7.51	92.077	
1,750.0	1,750.0	1,732.7	1,732.4	4.1	3.2	-32.85	581.0	-375.2	691.7	684.1	7.55	91.597	
1,775.0	1,775.0	1,758.1	1,757.9	4.1	3.2	-32.83	581.4	-375.1	692.0	684.4	7.59	91.114	
1,800.0	1,800.0	1,782.6	1,782.4	4.1	3.2	-32.81	581.7	-375.1	692.2	684.6	7.64	90.637	
1,825.0	1,825.0	1,806.6	1,806.4	4.2	3.2	-32.80	582.0	-375.1	692.5	684.8	7.68	90.175	
1,850.0	1,850.0	1,831.1	1,830.9	4.2	3.3	-32.80	582.3	-375.2	692.8	685.1	7.72	89.717	
1,875.0	1,875.0	1,855.2	1,854.9	4.2	3.3	-32.79	582.6	-375.4	693.2	685.4	7.77	89.264	
1,900.0	1,900.0	1,878.4	1,878.2	4.3	3.3	-32.79	582.9	-375.6	693.6	685.7	7.81	88.823	
1,925.0	1,925.0	1,902.5	1,902.2	4.3	3.3	-32.80	583.3	-375.8	694.0	686.1	7.85	88.394	
1,950.0	1,950.0	1,927.3	1,927.1	4.3	3.3	-32.80	583.6	-376.1	694.5	686.6	7.89	87.965	
1,975.0	1,975.0	1,953.0	1,952.8	4.4	3.3	-32.80	584.0	-376.4	694.9	687.0	7.94	87.532	
2,000.0	2,000.0	1,977.1	1,976.8	4.4	3.3	-32.80	584.4	-376.6	695.4	687.4	7.98	87.108	
2,025.0	2,025.0	2,003.7	2,003.5	4.5	3.3	-32.79	584.9	-376.7	695.8	687.8	8.05	86.470	
2,050.0	2,050.0	2,039.2	2,038.9	4.5	3.3	-32.72	585.6	-376.3	696.0	687.9	8.11	85.789	
2,075.0	2,075.0	2,077.2	2,076.9	4.6	3.3	-32.56	586.4	-374.5	695.9	687.7	8.18	85.077	
2,100.0	2,100.0	2,105.4	2,104.9	4.6	3.3	-32.38	587.1	-372.3	695.4	687.1	8.24	84.362	
2,125.0	2,125.0	2,129.9	2,129.4	4.7	3.3	-32.22	587.7	-370.3	694.8	686.5	8.30	83.760	
2,150.0	2,150.0	2,153.9	2,153.3	4.7	3.4	-32.05	588.4	-368.4	694.3	686.0	8.35	83.169	
2,175.0	2,175.0	2,178.1	2,177.4	4.7	3.4	-31.88	589.1	-366.4	693.9	685.5	8.40	82.587	
2,200.0	2,200.0	2,204.3	2,203.6	4.8	3.4	-31.70	589.8	-364.3	693.4	684.9	8.46	82.006	
2,225.0	2,225.0	2,230.9	2,230.0	4.8	3.4	-31.51	590.6	-362.1	692.9	684.4	8.51	81.438	
2,250.0	2,250.0	2,262.2	2,261.2	4.8	3.4	-31.28	591.3	-359.2	692.2	683.7	8.56	80.850	
2,275.0	2,275.0	2,294.0	2,292.8	4.9	3.4	-31.01	592.0	-355.9	691.3	682.7	8.62	80.241	
2,300.0	2,300.0	2,326.0	2,324.5	4.9	3.4	-30.73	592.6	-352.2	690.2	681.5	8.67	79.612	
2,325.0	2,325.0	2,355.2	2,353.5	5.0	3.4	-30.45	593.0	-348.5	688.9	680.2	8.72	78.980	
2,350.0	2,350.0	2,385.8	2,383.9	5.0	3.4	-30.13	593.3	-344.3	687.4	678.6	8.78	78.330	
2,375.0	2,375.0	2,412.6	2,410.3	5.0	3.4	-29.83	593.5	-340.4	685.7	676.9	8.83	77.672	
2,400.0	2,400.0	2,436.9	2,434.4	5.1	3.4	-29.57	593.8	-336.8	684.1	675.2	8.88	77.021	
2,425.0	2,425.0	2,460.3	2,457.5	5.1	3.5	-29.31	593.9	-333.5	682.5	673.6	8.93	76.392	
2,450.0	2,450.0	2,482.8	2,479.9	5.1	3.5	-29.09	594.0	-330.6	681.0	672.0	8.99	75.779	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,475.0	2,503.6	2,500.5	5.2	3.5	-28.92	594.0	-328.2	679.6	670.5	9.04	75.192	
2,500.0	2,500.0	2,525.0	2,521.8	5.2	3.5	-28.76	594.0	-326.0	678.3	669.3	9.09	74.629	
2,525.0	2,525.0	2,546.4	2,543.1	5.3	3.5	-111.49	594.1	-324.0	677.3	668.1	9.15	74.059	
2,550.0	2,550.0	2,568.2	2,564.9	5.3	3.5	-111.38	594.1	-322.0	676.4	667.2	9.20	73.532	
2,575.0	2,575.0	2,590.4	2,586.9	5.3	3.5	-111.29	594.3	-320.2	675.7	666.5	9.25	73.043	
2,600.0	2,600.0	2,613.5	2,610.0	5.4	3.5	-111.21	594.4	-318.4	675.3	665.9	9.30	72.590	
2,625.0	2,625.0	2,637.0	2,633.4	5.4	3.5	-111.14	594.6	-316.6	674.9	665.5	9.35	72.145	
2,650.0	2,649.9	2,659.6	2,656.0	5.4	3.5	-111.10	594.9	-314.9	674.7	665.3	9.41	71.724	
2,667.3	2,667.3	2,675.0	2,671.3	5.5	3.5	-111.08	595.1	-313.8	674.6	665.2	9.44	71.448 CC	
2,675.0	2,674.9	2,682.9	2,679.2	5.5	3.5	-111.07	595.2	-313.2	674.6	665.2	9.46	71.328	
2,700.0	2,699.8	2,708.1	2,704.4	5.5	3.6	-111.06	595.5	-311.5	674.7	665.2	9.51	70.945 ES	
2,725.0	2,724.8	2,732.4	2,728.6	5.5	3.6	-111.06	595.8	-309.9	674.8	665.3	9.56	70.570	
2,750.0	2,749.7	2,757.1	2,753.3	5.6	3.6	-111.08	596.1	-308.2	675.0	665.4	9.61	70.208	
2,775.0	2,774.6	2,781.1	2,777.1	5.6	3.6	-111.11	596.5	-306.5	675.4	665.7	9.67	69.864	
2,800.0	2,799.5	2,805.1	2,801.1	5.7	3.6	-111.16	596.8	-304.9	675.8	666.1	9.72	69.535	
2,825.0	2,824.3	2,828.6	2,824.5	5.7	3.6	-111.22	597.2	-303.4	676.4	666.6	9.77	69.214	
2,850.0	2,849.1	2,853.7	2,849.5	5.7	3.6	-111.30	597.7	-301.8	677.1	667.3	9.83	68.905	
2,875.0	2,873.9	2,878.3	2,874.1	5.8	3.7	-111.40	598.1	-300.2	677.9	668.0	9.88	68.607	
2,900.0	2,898.7	2,901.0	2,896.8	5.9	3.7	-111.50	598.5	-298.8	678.8	668.8	9.93	68.329	
2,925.0	2,923.4	2,925.7	2,921.4	5.9	3.7	-111.63	599.0	-297.3	679.8	669.8	9.99	68.050	
2,950.0	2,948.2	2,952.2	2,947.8	6.0	3.7	-111.79	599.5	-295.7	680.9	670.8	10.05	67.776	
2,975.0	2,972.8	2,976.4	2,972.0	6.1	3.7	-111.95	599.9	-294.3	682.0	671.9	10.10	67.514	
3,000.0	2,997.5	3,001.0	2,996.6	6.1	3.7	-112.13	600.3	-292.9	683.3	673.2	10.16	67.263	
3,025.0	3,022.1	3,025.2	3,020.7	6.2	3.7	-112.32	600.7	-291.5	684.7	674.5	10.22	67.008	
3,050.0	3,046.6	3,051.5	3,047.0	6.3	3.8	-112.55	601.2	-290.0	686.1	675.9	10.28	66.757	
3,075.0	3,071.1	3,076.9	3,072.4	6.4	3.8	-112.79	601.5	-288.6	687.6	677.3	10.34	66.513	
3,100.0	3,095.6	3,100.0	3,095.4	6.5	3.8	-113.03	601.8	-287.4	689.3	678.9	10.40	66.287	
3,125.0	3,120.1	3,122.4	3,117.8	6.5	3.8	-113.29	602.2	-286.3	691.1	680.6	10.46	66.081	
3,150.0	3,144.5	3,147.7	3,143.1	6.6	3.8	-113.58	602.6	-285.0	692.9	682.3	10.52	65.873	
3,175.0	3,169.0	3,172.6	3,167.9	6.7	3.8	-113.88	602.9	-283.9	694.7	684.1	10.58	65.666	
3,200.0	3,193.4	3,197.1	3,192.4	6.8	3.8	-114.18	603.2	-282.8	696.5	685.9	10.64	65.461	
3,225.0	3,217.9	3,222.3	3,217.6	6.8	3.9	-114.48	603.5	-281.7	698.3	687.6	10.70	65.242	
3,250.0	3,242.3	3,246.1	3,241.4	6.9	3.9	-114.77	603.7	-280.7	700.2	689.4	10.77	65.027	
3,275.0	3,266.8	3,271.3	3,266.5	7.0	3.9	-115.08	604.0	-279.6	702.1	691.3	10.83	64.812	
3,300.0	3,291.3	3,295.3	3,290.5	7.1	3.9	-115.37	604.3	-278.6	704.0	693.1	10.90	64.601	
3,325.0	3,315.7	3,319.2	3,314.3	7.1	3.9	-115.65	604.5	-277.6	705.9	695.0	10.97	64.381	
3,350.0	3,340.2	3,343.5	3,338.7	7.2	3.9	-115.94	604.8	-276.6	707.9	696.9	11.03	64.163	
3,375.0	3,364.6	3,368.4	3,363.5	7.3	4.0	-116.23	605.2	-275.5	710.0	698.8	11.10	63.945	
3,400.0	3,389.1	3,392.9	3,388.0	7.4	4.0	-116.52	605.5	-274.5	712.0	700.8	11.17	63.729	
3,425.0	3,413.5	3,418.5	3,413.6	7.5	4.0	-116.83	605.8	-273.5	714.0	702.8	11.24	63.498	
3,450.0	3,438.0	3,442.8	3,437.9	7.5	4.0	-117.12	606.0	-272.6	716.1	704.7	11.32	63.269	
3,475.0	3,462.4	3,466.9	3,461.9	7.6	4.0	-117.41	606.2	-271.7	718.1	706.7	11.39	63.044	
3,500.0	3,486.9	3,491.5	3,486.5	7.7	4.1	-117.71	606.4	-270.8	720.2	708.8	11.47	62.819	
3,525.0	3,511.3	3,514.8	3,509.8	7.8	4.1	-117.99	606.6	-270.1	722.4	710.8	11.54	62.590	
3,550.0	3,535.8	3,538.3	3,533.3	7.9	4.1	-118.28	606.8	-269.3	724.6	713.0	11.62	62.366	
3,575.0	3,560.2	3,562.8	3,557.8	8.0	4.1	-118.58	607.0	-268.6	726.9	715.2	11.70	62.141	
3,600.0	3,584.7	3,587.1	3,582.1	8.1	4.1	-118.88	607.2	-267.9	729.1	717.4	11.78	61.917	
3,625.0	3,609.2	3,611.1	3,606.1	8.1	4.1	-119.17	607.3	-267.3	731.4	719.6	11.86	61.688	
3,650.0	3,633.6	3,635.6	3,630.6	8.2	4.2	-119.48	607.5	-266.7	733.8	721.8	11.94	61.458	
3,675.0	3,658.1	3,660.7	3,655.7	8.3	4.2	-119.78	607.7	-266.1	736.1	724.1	12.02	61.227	
3,700.0	3,682.5	3,684.8	3,679.8	8.4	4.2	-120.08	607.8	-265.4	738.5	726.4	12.11	60.999	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,725.0	3,707.0	3,707.9	3,702.8	8.5	4.2	-120.36	608.0	-264.9	741.0	728.8	12.19	60.772	
3,750.0	3,731.4	3,731.9	3,726.9	8.6	4.2	-120.65	608.2	-264.3	743.4	731.2	12.28	60.546	
3,775.0	3,755.9	3,756.4	3,751.4	8.7	4.3	-120.94	608.5	-263.7	746.0	733.6	12.37	60.321	
3,800.0	3,780.3	3,782.3	3,777.2	8.8	4.3	-121.25	608.6	-263.1	748.5	736.0	12.46	60.086	
3,825.0	3,804.8	3,805.8	3,800.8	8.9	4.3	-121.53	608.9	-262.5	751.0	738.5	12.55	59.857	
3,850.0	3,829.2	3,831.1	3,826.0	9.0	4.3	-121.82	609.1	-261.9	753.6	740.9	12.64	59.621	
3,875.0	3,853.7	3,855.7	3,850.6	9.1	4.4	-122.11	609.3	-261.3	756.1	743.4	12.73	59.388	
3,900.0	3,878.1	3,878.7	3,873.6	9.2	4.4	-122.37	609.5	-260.7	758.7	745.9	12.82	59.168	
3,925.0	3,902.6	3,902.1	3,896.9	9.3	4.4	-122.64	609.8	-260.2	761.4	748.5	12.92	58.945	
3,950.0	3,927.1	3,926.7	3,921.6	9.4	4.4	-122.92	610.1	-259.6	764.1	751.1	13.01	58.717	
3,975.0	3,951.5	3,950.8	3,945.6	9.5	4.4	-123.19	610.3	-259.1	766.8	753.7	13.11	58.495	
4,000.0	3,976.0	3,975.0	3,969.9	9.6	4.5	-123.47	610.6	-258.6	769.6	756.4	13.21	58.273	
4,025.0	4,000.4	3,998.6	3,993.5	9.7	4.5	-123.73	610.9	-258.1	772.4	759.1	13.31	58.051	
4,050.0	4,024.9	4,025.2	4,020.0	9.8	4.5	-124.03	611.1	-257.6	775.2	761.8	13.41	57.815	
4,075.0	4,049.3	4,048.8	4,043.6	9.9	4.5	-124.29	611.4	-257.1	778.0	764.5	13.51	57.593	
4,100.0	4,073.8	4,072.0	4,066.8	10.0	4.5	-124.55	611.6	-256.7	780.8	767.2	13.61	57.378	
4,125.0	4,098.2	4,096.8	4,091.6	10.1	4.6	-124.83	611.9	-256.2	783.7	770.0	13.71	57.153	
4,150.0	4,122.7	4,120.9	4,115.7	10.2	4.6	-125.10	612.1	-255.8	786.7	772.8	13.82	56.931	
4,175.0	4,147.1	4,144.5	4,139.4	10.3	4.6	-125.37	612.3	-255.5	789.6	775.7	13.92	56.716	
4,200.0	4,171.6	4,168.1	4,163.0	10.4	4.6	-125.63	612.5	-255.2	792.6	778.6	14.03	56.504	
4,225.0	4,196.0	4,192.9	4,187.7	10.5	4.7	-125.91	612.7	-254.9	795.7	781.5	14.14	56.283	
4,250.0	4,220.5	4,217.6	4,212.4	10.6	4.7	-126.19	612.9	-254.7	798.7	784.4	14.25	56.061	
4,275.0	4,244.9	4,240.1	4,234.9	10.7	4.7	-126.45	613.0	-254.5	801.8	787.4	14.35	55.856	
4,300.0	4,269.4	4,264.1	4,259.0	10.8	4.7	-126.72	613.2	-254.3	804.9	790.5	14.46	55.650	
4,325.0	4,293.9	4,290.4	4,285.2	10.9	4.7	-127.02	613.3	-254.2	808.1	793.5	14.58	55.421	
4,350.0	4,318.3	4,314.0	4,308.8	11.0	4.8	-127.29	613.3	-254.1	811.2	796.5	14.69	55.207	
4,375.0	4,342.8	4,336.7	4,331.5	11.1	4.8	-127.55	613.4	-254.0	814.4	799.6	14.81	55.008	
4,400.0	4,367.2	4,362.0	4,356.8	11.2	4.8	-127.84	613.5	-254.0	817.7	802.8	14.92	54.796	
4,425.0	4,391.7	4,388.1	4,382.9	11.3	4.8	-128.14	613.5	-254.0	820.9	805.9	15.04	54.564	
4,450.0	4,416.1	4,412.1	4,407.0	11.4	4.8	-128.41	613.5	-253.9	824.1	809.0	15.17	54.344	
4,475.0	4,440.6	4,436.1	4,430.9	11.5	4.9	-128.69	613.5	-253.9	827.4	812.1	15.29	54.132	
4,500.0	4,465.0	4,460.5	4,455.3	11.6	4.9	-128.96	613.5	-253.8	830.7	815.3	15.41	53.923	
4,525.0	4,489.5	4,484.7	4,479.5	11.7	4.9	-129.22	613.6	-253.8	834.0	818.5	15.53	53.716	
4,550.0	4,513.9	4,508.3	4,503.1	11.8	4.9	-129.48	613.6	-253.7	837.4	821.7	15.65	53.520	
4,575.0	4,538.4	4,532.2	4,527.1	11.9	4.9	-129.74	613.7	-253.7	840.7	825.0	15.77	53.327	
4,600.0	4,562.8	4,555.3	4,550.1	12.0	4.9	-129.99	613.7	-253.7	844.2	828.3	15.88	53.145	
4,625.0	4,587.3	4,577.2	4,572.0	12.1	5.0	-130.22	613.9	-253.7	847.7	831.7	16.00	52.974	
4,650.0	4,611.8	4,603.6	4,598.4	12.2	5.0	-130.50	614.0	-253.8	851.2	835.1	16.13	52.775	
4,675.0	4,636.2	4,626.2	4,621.0	12.3	5.0	-130.75	614.0	-253.9	854.8	838.5	16.25	52.602	
4,700.0	4,660.7	4,651.9	4,646.7	12.4	5.0	-131.03	614.0	-254.1	858.3	842.0	16.38	52.409	
4,725.0	4,685.1	4,677.7	4,672.6	12.6	5.0	-131.31	614.0	-254.3	861.9	845.4	16.51	52.210	
4,750.0	4,709.6	4,700.5	4,695.3	12.7	5.0	-131.56	614.0	-254.4	865.5	848.8	16.63	52.034	
4,775.0	4,734.0	4,726.1	4,720.9	12.8	5.0	-131.83	613.9	-254.5	869.1	852.3	16.76	51.843	
4,800.0	4,758.5	4,750.0	4,744.8	12.9	5.0	-132.08	613.9	-254.7	872.7	855.8	16.89	51.665	
4,825.0	4,782.9	4,773.8	4,768.6	13.0	5.0	-132.33	614.0	-254.8	876.3	859.3	17.02	51.489	
4,850.0	4,807.4	4,797.3	4,792.2	13.1	5.0	-132.57	614.0	-254.9	880.0	862.8	17.15	51.318	
4,875.0	4,831.8	4,821.4	4,816.2	13.2	5.0	-132.82	614.0	-255.1	883.7	866.4	17.28	51.147	
4,900.0	4,856.3	4,846.6	4,841.4	13.3	5.0	-133.08	614.0	-255.3	887.4	870.0	17.41	50.967	
4,925.0	4,880.7	4,871.3	4,866.1	13.4	5.0	-133.33	613.9	-255.5	891.2	873.6	17.55	50.787	
4,950.0	4,905.2	4,896.4	4,891.2	13.5	5.0	-133.59	613.8	-255.7	894.9	877.2	17.68	50.607	
4,975.0	4,929.7	4,920.9	4,915.7	13.6	5.0	-133.84	613.8	-255.9	898.7	880.8	17.82	50.432	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,000.0	4,954.1	4,944.8	4,939.6	13.8	5.0	-134.08	613.8	-256.1	902.4	884.5	17.95	50.265	
5,025.0	4,978.6	4,969.5	4,964.3	13.9	5.0	-134.32	613.7	-256.3	906.2	888.1	18.09	50.092	
5,050.0	5,003.0	4,993.1	4,987.9	14.0	5.0	-134.56	613.7	-256.5	910.0	891.8	18.23	49.929	
5,075.0	5,027.5	5,016.0	5,010.8	14.1	5.0	-134.79	613.6	-256.7	913.9	895.5	18.36	49.772	
5,100.0	5,051.9	5,041.2	5,036.0	14.2	5.0	-135.04	613.5	-257.0	917.7	899.2	18.50	49.603	
5,125.0	5,076.4	5,067.4	5,062.2	14.3	5.0	-135.30	613.3	-257.3	921.6	903.0	18.65	49.422	
5,150.0	5,100.8	5,092.3	5,087.1	14.4	5.0	-135.55	613.1	-257.6	925.4	906.7	18.79	49.250	
5,175.0	5,125.3	5,115.5	5,110.3	14.5	5.0	-135.78	612.9	-257.8	929.3	910.4	18.93	49.094	
5,200.0	5,149.7	5,138.7	5,133.5	14.6	5.0	-136.00	612.8	-258.1	933.2	914.2	19.07	48.942	
5,225.0	5,174.2	5,163.4	5,158.2	14.7	5.0	-136.24	612.6	-258.4	937.2	918.0	19.21	48.781	
5,250.0	5,198.6	5,190.5	5,185.2	14.9	5.0	-136.50	612.4	-258.7	941.1	921.8	19.36	48.603	
5,275.0	5,223.1	5,215.1	5,209.9	15.0	5.0	-136.74	612.2	-259.0	945.0	925.5	19.51	48.439	
5,300.0	5,247.6	5,241.0	5,235.8	15.1	5.0	-136.98	612.0	-259.2	948.9	929.3	19.66	48.272	
5,325.0	5,272.0	5,279.7	5,274.5	15.2	5.0	-137.30	612.1	-258.9	952.6	932.8	19.84	48.018	
5,350.0	5,296.5	5,306.4	5,301.2	15.3	5.0	-137.49	612.4	-258.2	956.1	936.2	19.99	47.838	
5,375.0	5,320.9	5,331.9	5,326.7	15.4	5.1	-137.67	612.7	-257.5	959.6	939.5	20.13	47.665	
5,400.0	5,345.4	5,355.7	5,350.4	15.5	5.1	-137.83	613.0	-256.8	963.1	942.8	20.27	47.507	
5,425.0	5,369.8	5,380.6	5,375.4	15.6	5.1	-138.00	613.4	-256.1	966.6	946.2	20.42	47.342	
5,450.0	5,394.3	5,404.9	5,399.7	15.7	5.1	-138.16	613.7	-255.4	970.1	949.5	20.56	47.183	
5,475.0	5,418.7	5,428.9	5,423.6	15.9	5.2	-138.31	614.1	-254.7	973.6	952.9	20.70	47.030	
5,500.0	5,443.2	5,454.3	5,449.0	16.0	5.2	-138.48	614.4	-254.0	977.1	956.3	20.85	46.868	
5,525.0	5,467.6	5,479.6	5,474.2	16.1	5.2	-138.64	614.8	-253.2	980.7	959.7	21.00	46.709	
5,550.0	5,492.1	5,508.0	5,502.6	16.2	5.2	-138.81	615.3	-252.2	984.1	963.0	21.15	46.532	
5,575.0	5,516.5	5,534.5	5,529.1	16.3	5.3	-138.96	615.9	-251.1	987.5	966.2	21.30	46.368	
5,600.0	5,541.0	5,559.3	5,553.9	16.4	5.3	-139.10	616.5	-250.1	990.9	969.5	21.44	46.215	
5,625.0	5,565.5	5,583.5	5,578.1	16.5	5.3	-139.23	617.1	-249.0	994.3	972.7	21.58	46.066	
5,650.0	5,589.9	5,607.8	5,602.4	16.6	5.3	-139.36	617.7	-248.0	997.7	976.0	21.73	45.919	
9,275.0	9,193.4	9,897.2	9,649.9	23.7	10.1	-87.10	147.2	-59.9	996.1	959.1	36.99	26.926	
9,300.0	9,218.4	9,903.8	9,651.5	23.7	10.1	-87.52	140.8	-59.4	984.6	947.6	37.03	26.586	
9,325.0	9,243.4	9,910.2	9,653.0	23.7	10.2	-87.92	134.6	-58.9	973.6	936.5	37.07	26.264	
9,350.0	9,268.4	9,916.4	9,654.4	23.7	10.2	-88.31	128.6	-58.5	963.1	926.0	37.10	25.959	
9,375.0	9,293.4	9,922.2	9,655.7	23.7	10.2	-88.68	122.9	-58.0	953.0	915.9	37.12	25.673	
9,400.0	9,318.4	9,927.9	9,656.9	23.8	10.2	-89.04	117.4	-57.6	943.5	906.4	37.14	25.406	
9,425.0	9,343.4	9,934.7	9,658.4	23.8	10.3	-89.47	110.8	-57.2	934.6	897.4	37.16	25.152	
9,450.0	9,368.4	9,944.2	9,660.3	23.8	10.3	-90.08	101.5	-56.5	926.1	888.9	37.19	24.903	
9,475.0	9,393.4	9,952.5	9,661.9	23.8	10.3	-90.61	93.4	-55.9	918.3	881.1	37.21	24.679	
9,500.0	9,418.4	9,959.7	9,663.2	23.8	10.4	-91.08	86.3	-55.4	911.0	873.8	37.21	24.480	
9,525.0	9,443.4	9,966.1	9,664.2	23.8	10.4	-91.49	80.0	-55.0	904.3	867.1	37.21	24.303	
9,550.0	9,468.4	9,971.8	9,665.1	23.8	10.4	-91.85	74.4	-54.6	898.2	861.0	37.19	24.149	
9,575.0	9,493.4	9,976.8	9,665.8	23.8	10.4	-92.18	69.4	-54.3	892.8	855.6	37.17	24.018	
9,600.0	9,518.4	9,981.4	9,666.4	23.8	10.5	-92.48	65.0	-54.0	888.0	850.9	37.14	23.909	
9,625.0	9,543.4	9,984.0	9,666.8	23.8	10.5	-92.65	62.4	-53.8	883.9	846.8	37.10	23.827	
9,650.0	9,568.4	9,987.0	9,667.2	23.9	10.5	-92.84	59.4	-53.6	880.4	843.4	37.05	23.763	
9,675.0	9,593.4	9,989.9	9,667.6	23.9	10.5	-93.03	56.5	-53.4	877.7	840.7	37.00	23.721	
9,700.0	9,618.4	9,992.6	9,667.9	23.9	10.5	-93.21	53.8	-53.2	875.6	838.7	36.95	23.700	
9,725.0	9,643.4	9,995.2	9,668.2	23.9	10.5	-93.38	51.2	-53.1	874.3	837.4	36.89	23.699 SF	
9,750.0	9,668.4	9,997.7	9,668.5	23.9	10.5	-93.54	48.8	-52.9	873.7	836.8	36.83	23.718	
9,760.3	9,678.7	9,998.7	9,668.6	23.9	10.5	-93.61	47.8	-52.9	873.6	836.8	36.81	23.732	
9,775.0	9,693.4	10,000.1	9,668.8	23.9	10.5	-93.69	46.4	-52.8	873.7	836.9	36.78	23.758	
9,800.0	9,718.4	10,002.3	9,669.1	23.9	10.6	-93.84	44.2	-52.6	874.5	837.8	36.72	23.817	
9,825.0	9,743.4	10,004.5	9,669.3	23.9	10.6	-93.98	42.0	-52.5	876.0	839.3	36.66	23.896	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
9,850.0	9,768.4	10,006.6	9,669.5	23.9	10.6	-94.12	40.0	-52.4	878.1	841.5	36.60	23.993	
9,875.0	9,793.4	10,008.5	9,669.7	23.9	10.6	-94.25	38.0	-52.3	881.0	844.5	36.54	24.108	
9,900.0	9,818.4	10,010.4	9,669.9	24.0	10.6	-94.37	36.1	-52.1	884.6	848.1	36.49	24.242	
9,925.0	9,843.4	10,012.3	9,670.1	24.0	10.6	-94.49	34.3	-52.0	888.8	852.4	36.44	24.392	
9,950.0	9,868.4	10,014.0	9,670.3	24.0	10.6	-94.60	32.6	-51.9	893.7	857.4	36.39	24.559	
9,975.0	9,893.4	10,015.7	9,670.5	24.0	10.6	-94.71	30.9	-51.8	899.3	863.0	36.35	24.742	
10,000.0	9,918.4	10,017.3	9,670.6	24.0	10.6	-94.82	29.3	-51.7	905.6	869.3	36.31	24.940	
10,025.0	9,943.4	10,026.0	9,671.4	24.0	10.7	-95.38	20.7	-51.3	912.5	876.2	36.31	25.134	
10,050.0	9,968.4	10,026.0	9,671.4	24.0	10.7	-95.38	20.7	-51.3	920.0	883.7	36.27	25.364	
10,075.0	9,993.4	10,026.0	9,671.4	24.0	10.7	-95.38	20.7	-51.3	928.1	891.8	36.24	25.607	
10,100.0	10,018.4	10,026.0	9,671.4	24.0	10.7	-95.38	20.7	-51.3	936.8	900.6	36.22	25.863	
10,125.0	10,043.4	10,026.0	9,671.4	24.0	10.7	-95.38	20.7	-51.3	946.1	909.9	36.20	26.133	
10,150.0	10,068.4	10,026.0	9,671.4	24.1	10.7	-95.38	20.7	-51.3	955.9	919.7	36.19	26.415	
10,153.2	10,071.6	10,026.0	9,671.4	24.1	10.7	-95.38	20.7	-51.3	957.2	921.0	36.19	26.451	
10,175.0	10,093.4	10,026.0	9,671.4	24.1	10.7	-94.11	20.7	-51.3	966.3	930.4	35.97	26.864	
10,200.0	10,118.3	10,026.0	9,671.4	24.1	10.7	-92.64	20.7	-51.3	977.4	941.4	35.96	27.178	
10,225.0	10,143.1	10,026.0	9,671.4	24.1	10.7	-91.07	20.7	-51.3	989.0	953.0	35.96	27.502	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-34.61	582.4	-401.9	707.7				
25.0	25.0	14.6	14.6	0.5	3.0	-34.61	582.4	-401.9	707.6				
50.0	50.0	41.0	41.0	0.5	3.0	-34.62	582.3	-401.9	707.6	702.8	4.73	149.744	
75.0	75.0	67.3	67.3	0.5	3.0	-34.63	582.1	-402.0	707.5	702.7	4.73	149.722	
100.0	100.0	93.6	93.6	0.5	3.0	-34.65	581.9	-402.1	707.3	702.6	4.73	149.689	
125.0	125.0	120.4	120.3	0.6	3.0	-34.67	581.5	-402.3	707.1	702.4	4.76	148.587	
150.0	150.0	146.2	146.1	0.8	3.0	-34.70	581.1	-402.4	706.9	702.1	4.80	147.268	
175.0	175.0	171.2	171.2	0.9	3.0	-34.73	580.7	-402.6	706.6	701.8	4.85	145.757	
200.0	200.0	194.5	194.5	1.0	3.0	-34.76	580.3	-402.7	706.4	701.5	4.90	144.083	
225.0	225.0	219.6	219.6	1.1	3.0	-34.78	580.0	-402.9	706.2	701.2	4.94	142.874	
250.0	250.0	244.3	244.3	1.2	3.0	-34.81	579.6	-403.0	706.0	701.0	4.99	141.601	
275.0	275.0	269.2	269.2	1.3	3.0	-34.83	579.3	-403.1	705.8	700.8	5.03	140.273	
300.0	300.0	293.9	293.9	1.4	3.0	-34.86	579.0	-403.3	705.6	700.5	5.08	138.898	
325.0	325.0	318.8	318.8	1.4	3.0	-34.89	578.7	-403.5	705.4	700.3	5.12	137.732	
350.0	350.0	344.5	344.5	1.5	3.0	-34.91	578.3	-403.6	705.3	700.1	5.17	136.535	
375.0	375.0	369.1	369.1	1.6	3.0	-34.94	578.0	-403.8	705.1	699.9	5.21	135.313	
400.0	400.0	395.2	395.2	1.6	3.0	-34.97	577.6	-404.0	704.9	699.6	5.26	134.067	
425.0	425.0	422.7	422.7	1.7	3.0	-35.00	577.1	-404.1	704.6	699.3	5.30	132.929	
450.0	450.0	448.2	448.1	1.8	3.0	-35.03	576.7	-404.2	704.3	698.9	5.34	131.767	
475.0	475.0	474.0	473.9	1.8	3.0	-35.05	576.2	-404.3	703.9	698.6	5.39	130.586	
500.0	500.0	498.8	498.7	1.9	3.1	-35.08	575.7	-404.3	703.6	698.2	5.44	129.396	
525.0	525.0	524.0	523.9	1.9	3.1	-35.11	575.2	-404.4	703.2	697.8	5.48	128.298	
550.0	550.0	548.8	548.7	2.0	3.1	-35.14	574.7	-404.5	702.9	697.4	5.53	127.195	
575.0	575.0	573.8	573.8	2.1	3.1	-35.16	574.3	-404.5	702.5	697.0	5.57	126.086	
600.0	600.0	598.6	598.5	2.1	3.1	-35.19	573.8	-404.6	702.2	696.6	5.62	124.977	
625.0	625.0	621.9	621.8	2.2	3.1	-35.21	573.4	-404.7	701.9	696.2	5.66	123.954	
650.0	650.0	645.1	645.0	2.2	3.1	-35.24	573.0	-404.8	701.6	695.9	5.71	122.951	
675.0	675.0	669.0	669.0	2.3	3.1	-35.27	572.6	-405.0	701.4	695.7	5.75	121.966	
700.0	700.0	690.7	690.6	2.3	3.1	-35.30	572.3	-405.3	701.3	695.5	5.80	121.016	
711.1	711.1	700.0	699.9	2.3	3.1	-35.32	572.2	-405.4	701.3	695.5	5.81	120.629 CC	
725.0	725.0	712.7	712.6	2.4	3.1	-35.34	572.1	-405.6	701.3	695.5	5.84	120.160 ES	
750.0	750.0	736.6	736.5	2.4	3.1	-35.38	571.8	-406.1	701.4	695.5	5.88	119.326	
775.0	775.0	760.3	760.2	2.5	3.1	-35.42	571.6	-406.6	701.5	695.6	5.92	118.504	
800.0	800.0	782.0	781.9	2.5	3.1	-35.46	571.5	-407.1	701.7	695.7	5.96	117.708	
825.0	825.0	802.6	802.5	2.6	3.1	-35.51	571.4	-407.6	702.0	696.0	6.00	116.993	
850.0	850.0	825.8	825.6	2.6	3.1	-35.56	571.4	-408.4	702.4	696.4	6.04	116.298	
875.0	875.0	851.0	850.9	2.6	3.2	-35.61	571.3	-409.2	702.9	696.8	6.08	115.602	
900.0	900.0	876.0	875.8	2.7	3.2	-35.67	571.3	-410.0	703.4	697.2	6.12	114.905	
925.0	925.0	901.8	901.6	2.7	3.2	-35.73	571.3	-410.9	703.8	697.6	6.16	114.234	
950.0	950.0	927.8	927.6	2.8	3.2	-35.80	571.1	-411.8	704.2	698.0	6.20	113.554	
975.0	975.0	952.8	952.6	2.8	3.2	-35.86	571.0	-412.7	704.6	698.4	6.24	112.875	
1,000.0	1,000.0	977.7	977.5	2.9	3.2	-35.93	570.8	-413.6	705.0	698.7	6.28	112.197	
1,025.0	1,025.0	1,001.5	1,001.3	2.9	3.2	-35.99	570.7	-414.5	705.5	699.1	6.32	111.556	
1,050.0	1,050.0	1,027.4	1,027.1	3.0	3.2	-36.07	570.5	-415.6	705.9	699.5	6.36	110.910	
1,075.0	1,075.0	1,052.7	1,052.4	3.0	3.2	-36.15	570.2	-416.6	706.3	699.9	6.41	110.264	
1,100.0	1,100.0	1,077.8	1,077.5	3.0	3.2	-36.23	570.0	-417.7	706.7	700.3	6.45	109.618	
1,125.0	1,125.0	1,102.1	1,101.8	3.1	3.2	-36.32	569.7	-418.7	707.1	700.6	6.49	109.003	
1,150.0	1,150.0	1,128.1	1,127.8	3.1	3.3	-36.40	569.4	-419.9	707.5	701.0	6.53	108.382	
1,175.0	1,175.0	1,152.1	1,151.7	3.2	3.3	-36.49	569.1	-420.9	707.9	701.4	6.57	107.772	
1,200.0	1,200.0	1,176.6	1,176.2	3.2	3.3	-36.57	568.8	-422.0	708.4	701.8	6.61	107.167	
1,225.0	1,225.0	1,201.6	1,201.2	3.2	3.3	-36.66	568.5	-423.2	708.8	702.2	6.65	106.584	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	1,226.2	1,225.8	3.3	3.3	-36.75	568.2	-424.3	709.3	702.6	6.69	106.006	
1,275.0	1,275.0	1,251.2	1,250.7	3.3	3.3	-36.84	567.9	-425.5	709.7	703.0	6.73	105.431	
1,300.0	1,300.0	1,276.1	1,275.6	3.4	3.3	-36.93	567.6	-426.7	710.2	703.4	6.77	104.859	
1,325.0	1,325.0	1,301.7	1,301.1	3.4	3.3	-37.03	567.3	-427.9	710.7	703.9	6.81	104.302	
1,350.0	1,350.0	1,326.5	1,325.9	3.4	3.4	-37.12	567.0	-429.1	711.1	704.3	6.85	103.751	
1,375.0	1,375.0	1,355.2	1,354.6	3.5	3.4	-37.21	566.6	-430.3	711.5	704.6	6.90	103.180	
1,400.0	1,400.0	1,384.0	1,383.3	3.5	3.4	-37.28	566.3	-431.2	711.8	704.8	6.94	102.587	
1,425.0	1,425.0	1,409.0	1,408.3	3.6	3.4	-37.34	566.0	-431.8	712.0	705.0	6.98	102.017	
1,450.0	1,450.0	1,434.0	1,433.4	3.6	3.4	-37.40	565.7	-432.5	712.1	705.1	7.02	101.451	
1,475.0	1,475.0	1,458.0	1,457.3	3.6	3.4	-37.45	565.5	-433.2	712.4	705.3	7.06	100.894	
1,500.0	1,500.0	1,481.0	1,480.3	3.7	3.4	-37.50	565.3	-433.8	712.6	705.5	7.10	100.352	
1,525.0	1,525.0	1,504.2	1,503.5	3.7	3.5	-37.55	565.2	-434.5	713.0	705.8	7.14	99.835	
1,550.0	1,550.0	1,529.0	1,528.3	3.8	3.5	-37.61	565.0	-435.3	713.3	706.1	7.18	99.321	
1,575.0	1,575.0	1,554.3	1,553.6	3.8	3.5	-37.66	564.9	-436.0	713.7	706.5	7.22	98.807	
1,600.0	1,600.0	1,578.8	1,578.1	3.8	3.5	-37.72	564.8	-436.8	714.1	706.8	7.26	98.299	
1,625.0	1,625.0	1,602.9	1,602.2	3.9	3.5	-37.77	564.7	-437.6	714.5	707.2	7.30	97.810	
1,650.0	1,650.0	1,629.6	1,628.8	3.9	3.5	-37.82	564.7	-438.3	714.8	707.5	7.35	97.310	
1,675.0	1,675.0	1,656.6	1,655.9	3.9	3.5	-37.83	564.8	-438.6	715.2	707.8	7.39	96.797	
1,700.0	1,700.0	1,682.1	1,681.4	4.0	3.5	-37.82	565.1	-438.7	715.4	708.0	7.43	96.283	
1,725.0	1,725.0	1,706.9	1,706.2	4.0	3.5	-37.82	565.4	-438.8	715.7	708.2	7.47	95.782	
1,750.0	1,750.0	1,731.6	1,730.8	4.1	3.5	-37.81	565.6	-438.9	716.0	708.5	7.51	95.284	
1,775.0	1,775.0	1,756.0	1,755.3	4.1	3.6	-37.81	565.9	-439.0	716.3	708.7	7.56	94.790	
1,800.0	1,800.0	1,780.6	1,779.8	4.1	3.6	-37.80	566.1	-439.2	716.6	709.0	7.60	94.299	
1,825.0	1,825.0	1,804.3	1,803.5	4.2	3.6	-37.80	566.4	-439.4	716.9	709.3	7.64	93.827	
1,850.0	1,850.0	1,828.3	1,827.5	4.2	3.6	-37.81	566.6	-439.7	717.3	709.6	7.68	93.360	
1,875.0	1,875.0	1,851.3	1,850.5	4.2	3.6	-37.82	566.8	-440.0	717.7	710.0	7.72	92.908	
1,900.0	1,900.0	1,875.0	1,874.2	4.3	3.6	-37.84	567.0	-440.5	718.2	710.4	7.77	92.465	
1,925.0	1,925.0	1,899.4	1,898.6	4.3	3.6	-37.87	567.3	-441.1	718.7	710.9	7.81	92.032	
1,950.0	1,950.0	1,924.7	1,923.9	4.3	3.6	-37.89	567.5	-441.6	719.3	711.4	7.85	91.597	
1,975.0	1,975.0	1,949.4	1,948.6	4.4	3.6	-37.92	567.7	-442.2	719.8	711.9	7.90	91.167	
2,000.0	2,000.0	1,975.7	1,974.9	4.4	3.7	-37.94	568.0	-442.8	720.3	712.4	7.94	90.728	
2,025.0	2,025.0	2,003.0	2,002.2	4.5	3.7	-37.96	568.2	-443.3	720.7	712.7	8.00	90.055	
2,050.0	2,050.0	2,032.9	2,032.1	4.5	3.7	-37.98	568.3	-443.7	721.1	713.0	8.07	89.359	
2,075.0	2,075.0	2,062.5	2,061.7	4.6	3.7	-37.98	568.5	-443.8	721.2	713.1	8.13	88.657	
2,100.0	2,100.0	2,089.9	2,089.1	4.6	3.7	-37.97	568.6	-443.7	721.2	713.0	8.20	87.977	
2,125.0	2,125.0	2,116.2	2,115.4	4.7	3.7	-37.95	568.7	-443.5	721.2	713.0	8.25	87.418	
2,150.0	2,150.0	2,141.2	2,140.4	4.7	3.7	-37.92	568.9	-443.2	721.1	712.8	8.30	86.865	
2,175.0	2,175.0	2,166.4	2,165.5	4.7	3.7	-37.90	569.0	-442.9	721.1	712.7	8.35	86.318	
2,200.0	2,200.0	2,192.8	2,192.0	4.8	3.7	-37.86	569.2	-442.5	721.0	712.6	8.41	85.771	
2,225.0	2,225.0	2,220.4	2,219.6	4.8	3.7	-37.82	569.4	-442.0	720.9	712.4	8.46	85.233	
2,250.0	2,250.0	2,249.8	2,249.0	4.8	3.7	-37.77	569.6	-441.3	720.6	712.1	8.51	84.687	
2,275.0	2,275.0	2,280.8	2,280.0	4.9	3.7	-37.71	569.6	-440.3	720.1	711.6	8.56	84.127	
2,300.0	2,300.0	2,310.3	2,309.4	4.9	3.7	-37.63	569.6	-439.1	719.5	710.9	8.61	83.554	
2,325.0	2,325.0	2,341.1	2,340.2	5.0	3.7	-37.54	569.5	-437.6	718.7	710.0	8.66	82.977	
2,350.0	2,350.0	2,372.5	2,371.5	5.0	3.7	-37.43	569.3	-435.7	717.7	709.0	8.71	82.380	
2,375.0	2,375.0	2,400.2	2,399.2	5.0	3.7	-37.32	569.1	-433.9	716.5	707.7	8.76	81.770	
2,400.0	2,400.0	2,427.6	2,426.5	5.1	3.7	-37.20	568.9	-431.9	715.2	706.4	8.81	81.154	
2,425.0	2,425.0	2,452.3	2,451.1	5.1	3.7	-37.10	568.6	-430.0	713.9	705.0	8.86	80.550	
2,450.0	2,450.0	2,475.0	2,473.8	5.1	3.7	-37.00	568.4	-428.4	712.6	703.7	8.91	79.951	
2,475.0	2,475.0	2,495.0	2,493.7	5.2	3.7	-36.92	568.3	-427.0	711.4	702.5	8.96	79.373	
2,500.0	2,500.0	2,511.3	2,510.0	5.2	3.7	-36.87	568.2	-426.1	710.5	701.5	9.01	78.836	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,525.0	2,525.0	2,525.0	2,523.7	5.3	3.7	-119.70	568.2	-425.6	710.0	700.9	9.07	78.291	
2,549.1	2,549.1	2,545.3	2,544.0	5.3	3.7	-119.69	568.2	-425.1	709.9	700.7	9.12	77.815	
2,550.0	2,550.0	2,546.0	2,544.7	5.3	3.7	-119.69	568.2	-425.1	709.9	700.7	9.12	77.798	
2,575.0	2,575.0	2,567.6	2,566.3	5.3	3.7	-119.70	568.3	-424.8	710.0	700.8	9.18	77.355	
2,600.0	2,600.0	2,591.6	2,590.3	5.4	3.7	-119.72	568.4	-424.6	710.3	701.1	9.23	76.945	
2,625.0	2,625.0	2,616.4	2,615.0	5.4	3.7	-119.76	568.5	-424.3	710.8	701.5	9.29	76.533	
2,650.0	2,649.9	2,641.1	2,639.8	5.4	3.7	-119.81	568.6	-424.1	711.3	702.0	9.34	76.140	
2,675.0	2,674.9	2,666.4	2,665.0	5.5	3.7	-119.88	568.8	-423.9	712.0	702.6	9.40	75.763	
2,700.0	2,699.8	2,691.5	2,690.1	5.5	3.7	-119.96	568.9	-423.6	712.8	703.3	9.45	75.404	
2,725.0	2,724.8	2,716.3	2,714.9	5.5	3.7	-120.05	569.0	-423.4	713.6	704.1	9.51	75.047	
2,750.0	2,749.7	2,740.8	2,739.5	5.6	3.7	-120.16	569.1	-423.2	714.6	705.1	9.57	74.707	
2,775.0	2,774.6	2,766.1	2,764.8	5.6	3.7	-120.28	569.2	-422.9	715.8	706.1	9.62	74.382	
2,800.0	2,799.5	2,791.5	2,790.2	5.7	3.7	-120.41	569.3	-422.7	717.0	707.3	9.68	74.070	
2,825.0	2,824.3	2,816.4	2,815.0	5.7	3.7	-120.56	569.4	-422.6	718.3	708.6	9.74	73.758	
2,850.0	2,849.1	2,841.2	2,839.8	5.7	3.7	-120.72	569.5	-422.4	719.7	709.9	9.80	73.459	
2,875.0	2,873.9	2,864.7	2,863.3	5.8	3.7	-120.88	569.6	-422.2	721.3	711.5	9.86	73.178	
2,900.0	2,898.7	2,888.5	2,887.2	5.9	3.7	-121.06	569.7	-422.0	723.1	713.1	9.92	72.915	
2,925.0	2,923.4	2,913.6	2,912.3	5.9	3.7	-121.25	569.8	-421.8	724.9	715.0	9.98	72.643	
2,950.0	2,948.2	2,938.8	2,937.4	6.0	3.7	-121.46	570.0	-421.7	726.9	716.9	10.04	72.382	
2,975.0	2,972.8	2,963.4	2,962.1	6.1	3.7	-121.67	570.1	-421.5	729.0	718.9	10.11	72.135	
3,000.0	2,997.5	2,987.7	2,986.3	6.1	3.7	-121.90	570.2	-421.4	731.3	721.1	10.17	71.902	
3,025.0	3,022.1	3,012.2	3,010.9	6.2	3.7	-122.13	570.3	-421.2	733.7	723.4	10.24	71.658	
3,050.0	3,046.6	3,037.0	3,035.7	6.3	3.7	-122.38	570.4	-421.1	736.2	725.9	10.31	71.425	
3,075.0	3,071.1	3,061.7	3,060.3	6.4	3.7	-122.64	570.6	-420.9	738.9	728.5	10.38	71.205	
3,100.0	3,095.6	3,085.7	3,084.3	6.5	3.7	-122.89	570.7	-420.8	741.6	731.2	10.45	70.997	
3,125.0	3,120.1	3,109.4	3,108.1	6.5	3.7	-123.20	570.9	-420.6	744.5	734.0	10.51	70.824	
3,150.0	3,144.5	3,133.8	3,132.5	6.6	3.7	-123.51	571.0	-420.5	747.5	736.9	10.58	70.651	
3,175.0	3,169.0	3,158.8	3,157.5	6.7	3.7	-123.83	571.1	-420.4	750.4	739.8	10.65	70.476	
3,200.0	3,193.4	3,183.5	3,182.1	6.8	3.7	-124.15	571.3	-420.3	753.4	742.7	10.72	70.303	
3,225.0	3,217.9	3,207.5	3,206.2	6.8	3.7	-124.45	571.4	-420.1	756.4	745.6	10.79	70.115	
3,250.0	3,242.3	3,232.3	3,231.0	6.9	3.8	-124.76	571.5	-420.0	759.4	748.5	10.86	69.926	
3,275.0	3,266.8	3,256.8	3,255.4	7.0	3.8	-125.06	571.6	-419.9	762.4	751.5	10.93	69.738	
3,300.0	3,291.3	3,280.7	3,279.4	7.1	3.8	-125.36	571.7	-419.8	765.5	754.5	11.01	69.554	
3,325.0	3,315.7	3,306.0	3,304.6	7.1	3.8	-125.67	571.9	-419.7	768.5	757.5	11.08	69.347	
3,350.0	3,340.2	3,329.9	3,328.6	7.2	3.8	-125.96	572.0	-419.6	771.6	760.5	11.16	69.146	
3,375.0	3,364.6	3,353.7	3,352.3	7.3	3.8	-126.25	572.1	-419.5	774.8	763.5	11.24	68.948	
3,400.0	3,389.1	3,378.0	3,376.7	7.4	3.8	-126.54	572.2	-419.5	777.9	766.6	11.32	68.749	
3,425.0	3,413.5	3,403.4	3,402.0	7.5	3.8	-126.84	572.3	-419.3	781.1	769.7	11.40	68.531	
3,450.0	3,438.0	3,428.4	3,427.0	7.5	3.8	-127.14	572.5	-419.2	784.3	772.8	11.48	68.313	
3,475.0	3,462.4	3,452.9	3,451.5	7.6	3.8	-127.42	572.6	-419.1	787.5	775.9	11.56	68.099	
3,500.0	3,486.9	3,476.9	3,475.5	7.7	3.8	-127.70	572.7	-419.0	790.7	779.0	11.65	67.889	
3,525.0	3,511.3	3,501.8	3,500.4	7.8	3.9	-127.99	572.8	-418.9	793.9	782.2	11.73	67.661	
3,550.0	3,535.8	3,526.7	3,525.3	7.9	3.9	-128.28	572.9	-418.8	797.2	785.3	11.82	67.433	
3,575.0	3,560.2	3,550.0	3,548.6	8.0	3.9	-128.54	572.9	-418.8	800.4	788.5	11.91	67.215	
3,600.0	3,584.7	3,573.7	3,572.4	8.1	3.9	-128.82	573.0	-418.7	803.8	791.8	12.00	66.996	
3,625.0	3,609.2	3,598.8	3,597.4	8.1	3.9	-129.10	573.1	-418.7	807.1	795.0	12.09	66.760	
3,650.0	3,633.6	3,622.6	3,621.2	8.2	3.9	-129.37	573.2	-418.7	810.5	798.3	12.18	66.529	
3,675.0	3,658.1	3,646.2	3,644.8	8.3	3.9	-129.64	573.2	-418.7	813.9	801.6	12.28	66.302	
3,700.0	3,682.5	3,671.3	3,669.9	8.4	3.9	-129.92	573.3	-418.7	817.3	804.9	12.37	66.069	
3,725.0	3,707.0	3,694.7	3,693.4	8.5	3.9	-130.18	573.4	-418.7	820.7	808.3	12.47	65.833	
3,750.0	3,731.4	3,719.1	3,717.8	8.6	4.0	-130.45	573.5	-418.7	824.2	811.7	12.57	65.594	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
3,775.0	3,755.9	3,742.9	3,741.6	8.7	4.0	-130.71	573.5	-418.7	827.7	815.1	12.66	65.361	
3,800.0	3,780.3	3,766.9	3,765.5	8.8	4.0	-130.97	573.6	-418.8	831.3	818.5	12.76	65.130	
3,825.0	3,804.8	3,791.0	3,789.6	8.9	4.0	-131.23	573.7	-418.8	834.9	822.0	12.87	64.890	
3,850.0	3,829.2	3,814.3	3,812.9	9.0	4.0	-131.48	573.8	-418.9	838.5	825.5	12.97	64.657	
3,875.0	3,853.7	3,837.6	3,836.3	9.1	4.0	-131.72	574.0	-419.0	842.1	829.1	13.07	64.429	
3,900.0	3,878.1	3,861.5	3,860.1	9.2	4.0	-131.98	574.1	-419.2	845.9	832.7	13.18	64.201	
3,925.0	3,902.6	3,885.1	3,883.8	9.3	4.1	-132.22	574.3	-419.3	849.6	836.3	13.28	63.968	
3,950.0	3,927.1	3,909.0	3,907.6	9.4	4.1	-132.47	574.4	-419.5	853.4	840.0	13.39	63.738	
3,975.0	3,951.5	3,933.1	3,931.8	9.5	4.1	-132.72	574.6	-419.6	857.2	843.7	13.50	63.508	
4,000.0	3,976.0	3,956.7	3,955.3	9.6	4.1	-132.96	574.8	-419.8	861.0	847.4	13.61	63.286	
4,025.0	4,000.4	3,981.3	3,980.0	9.7	4.1	-133.21	575.0	-419.9	864.9	851.2	13.72	63.050	
4,050.0	4,024.9	4,005.0	4,003.6	9.8	4.1	-133.44	575.2	-420.1	868.8	855.0	13.83	62.824	
4,075.0	4,049.3	4,029.0	4,027.6	9.9	4.1	-133.68	575.4	-420.3	872.7	858.8	13.94	62.599	
4,100.0	4,073.8	4,053.9	4,052.6	10.0	4.2	-133.93	575.7	-420.5	876.6	862.6	14.06	62.368	
4,125.0	4,098.2	4,079.5	4,078.1	10.1	4.2	-134.18	575.8	-420.7	880.6	866.4	14.17	62.126	
4,150.0	4,122.7	4,101.9	4,100.5	10.2	4.2	-134.40	576.0	-421.0	884.5	870.2	14.29	61.909	
4,175.0	4,147.1	4,127.2	4,125.9	10.3	4.2	-134.65	576.1	-421.2	888.5	874.1	14.41	61.673	
4,200.0	4,171.6	4,150.0	4,148.6	10.4	4.2	-134.87	576.3	-421.5	892.5	878.0	14.52	61.460	
4,225.0	4,196.0	4,174.5	4,173.1	10.5	4.2	-135.11	576.4	-421.8	896.6	881.9	14.64	61.232	
4,250.0	4,220.5	4,198.3	4,196.9	10.6	4.3	-135.34	576.6	-422.1	900.6	885.9	14.76	61.010	
4,275.0	4,244.9	4,222.0	4,220.6	10.7	4.3	-135.56	576.7	-422.4	904.7	889.9	14.88	60.793	
4,300.0	4,269.4	4,246.4	4,245.0	10.8	4.3	-135.80	576.8	-422.8	908.9	893.9	15.00	60.574	
4,325.0	4,293.9	4,272.1	4,270.7	10.9	4.3	-136.04	576.9	-423.1	913.0	897.9	15.13	60.340	
4,350.0	4,318.3	4,296.5	4,295.1	11.0	4.3	-136.27	577.0	-423.4	917.1	901.8	15.26	60.116	
4,375.0	4,342.8	4,322.2	4,320.8	11.1	4.3	-136.52	577.1	-423.8	921.2	905.8	15.38	59.884	
4,400.0	4,367.2	4,346.9	4,345.5	11.2	4.4	-136.75	577.2	-424.1	925.3	909.8	15.51	59.661	
4,425.0	4,391.7	4,370.7	4,369.3	11.3	4.4	-136.97	577.2	-424.4	929.4	913.8	15.64	59.443	
4,450.0	4,416.1	4,396.1	4,394.7	11.4	4.4	-137.20	577.3	-424.7	933.6	917.8	15.77	59.215	
4,475.0	4,440.6	4,423.9	4,422.5	11.5	4.4	-137.45	577.4	-425.0	937.7	921.8	15.90	58.968	
4,500.0	4,465.0	4,447.7	4,446.3	11.6	4.4	-137.65	577.4	-425.1	941.7	925.7	16.03	58.751	
4,525.0	4,489.5	4,471.9	4,470.5	11.7	4.5	-137.87	577.5	-425.4	945.8	929.7	16.16	58.530	
4,550.0	4,513.9	4,494.9	4,493.5	11.8	4.5	-138.08	577.4	-425.6	950.0	933.7	16.29	58.322	
4,575.0	4,538.4	4,519.8	4,518.4	11.9	4.5	-138.30	577.4	-426.0	954.1	937.7	16.42	58.104	
4,600.0	4,562.8	4,542.6	4,541.2	12.0	4.5	-138.50	577.4	-426.3	958.3	941.7	16.55	57.904	
4,625.0	4,587.3	4,566.6	4,565.2	12.1	4.5	-138.72	577.3	-426.6	962.5	945.8	16.68	57.697	
4,650.0	4,611.8	4,591.2	4,589.8	12.2	4.5	-138.93	577.2	-427.0	966.7	949.9	16.82	57.486	
4,675.0	4,636.2	4,613.9	4,612.5	12.3	4.5	-139.13	577.2	-427.4	971.0	954.0	16.95	57.293	
4,700.0	4,660.7	4,632.5	4,631.1	12.4	4.6	-139.30	577.2	-427.7	975.3	958.3	17.07	57.139	
4,725.0	4,685.1	4,650.0	4,648.6	12.6	4.6	-139.45	577.2	-428.2	979.9	962.7	17.19	57.005	
4,750.0	4,709.6	4,662.3	4,660.9	12.7	4.6	-139.56	577.3	-428.6	984.7	967.4	17.30	56.931	
4,775.0	4,734.0	4,677.8	4,676.4	12.8	4.6	-139.69	577.6	-429.2	989.8	972.4	17.41	56.849	
4,800.0	4,758.5	4,700.8	4,699.4	12.9	4.6	-139.88	578.0	-430.3	995.0	977.4	17.54	56.710 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	-23.58	782.8	-341.7	854.2				
25.0	25.0	11.4	11.4	0.5	3.0	-23.58	782.8	-341.7	854.1				
50.0	50.0	36.4	36.4	0.5	3.0	-23.58	782.8	-341.7	854.1	849.4	4.73	180.755	
75.0	75.0	61.4	61.4	0.5	3.0	-23.58	782.8	-341.7	854.1	849.4	4.73	180.751	
100.0	100.0	86.4	86.4	0.5	3.0	-23.58	782.8	-341.7	854.1	849.4	4.73	180.744	
125.0	125.0	111.4	111.4	0.6	3.0	-23.58	782.8	-341.7	854.1	849.4	4.76	179.454	
150.0	150.0	136.4	136.4	0.8	3.0	-23.58	782.8	-341.7	854.1	849.3	4.80	177.900	
175.0	175.0	161.4	161.4	0.9	3.0	-23.58	782.8	-341.7	854.1	849.3	4.85	176.110	
200.0	200.0	186.4	186.4	1.0	3.0	-23.58	782.8	-341.7	854.1	849.2	4.91	174.107	
225.0	225.0	211.4	211.4	1.1	3.0	-23.58	782.8	-341.7	854.1	849.2	4.95	172.646	
250.0	250.0	236.4	236.4	1.2	3.0	-23.58	782.8	-341.7	854.1	849.1	4.99	171.104	
275.0	275.0	261.4	261.4	1.3	3.0	-23.58	782.8	-341.7	854.1	849.1	5.04	169.488	
300.0	300.0	286.4	286.4	1.4	3.0	-23.58	782.8	-341.7	854.1	849.0	5.09	167.807	
325.0	325.0	311.4	311.4	1.4	3.0	-23.58	782.8	-341.7	854.1	849.0	5.13	166.367	
350.0	350.0	336.4	336.4	1.5	3.0	-23.58	782.8	-341.7	854.1	848.9	5.18	164.890	
375.0	375.0	361.4	361.4	1.6	3.0	-23.58	782.8	-341.7	854.1	848.9	5.23	163.380	
400.0	400.0	386.4	386.4	1.6	3.0	-23.58	782.8	-341.7	854.1	848.9	5.28	161.841	
425.0	425.0	411.4	411.4	1.7	3.0	-23.58	782.8	-341.7	854.1	848.8	5.32	160.454	
450.0	450.0	436.4	436.4	1.8	3.0	-23.58	782.8	-341.7	854.1	848.8	5.37	159.050	
475.0	475.0	461.4	461.4	1.8	3.0	-23.58	782.8	-341.7	854.1	848.7	5.42	157.630	
500.0	500.0	486.4	486.4	1.9	3.1	-23.58	782.8	-341.7	854.1	848.7	5.47	156.198	
525.0	525.0	511.4	511.4	1.9	3.1	-23.58	782.8	-341.7	854.1	848.6	5.51	154.874	
550.0	550.0	536.4	536.4	2.0	3.1	-23.58	782.8	-341.7	854.1	848.6	5.56	153.542	
575.0	575.0	561.4	561.4	2.1	3.1	-23.58	782.8	-341.7	854.1	848.5	5.61	152.205	
600.0	600.0	586.4	586.4	2.1	3.1	-23.58	782.8	-341.7	854.1	848.5	5.66	150.863	
625.0	625.0	611.4	611.4	2.2	3.1	-23.58	782.8	-341.7	854.1	848.4	5.71	149.604	
650.0	650.0	636.4	636.4	2.2	3.1	-23.58	782.8	-341.7	854.1	848.4	5.76	148.343	
675.0	675.0	661.4	661.4	2.3	3.1	-23.58	782.8	-341.7	854.1	848.3	5.81	147.081	
700.0	700.0	686.4	686.4	2.3	3.1	-23.58	782.8	-341.7	854.1	848.3	5.86	145.821	
725.0	725.0	711.4	711.4	2.4	3.1	-23.58	782.8	-341.7	854.1	848.2	5.91	144.625	
750.0	750.0	736.4	736.4	2.4	3.1	-23.58	782.8	-341.7	854.1	848.2	5.95	143.431	
775.0	775.0	761.4	761.4	2.5	3.1	-23.58	782.8	-341.7	854.1	848.1	6.00	142.241	
800.0	800.0	786.4	786.4	2.5	3.1	-23.58	782.8	-341.7	854.1	848.1	6.06	141.054	
825.0	825.0	811.4	811.4	2.6	3.2	-23.58	782.8	-341.7	854.1	848.0	6.10	139.920	
850.0	850.0	836.4	836.4	2.6	3.2	-23.58	782.8	-341.7	854.1	848.0	6.15	138.790	
875.0	875.0	861.4	861.4	2.6	3.2	-23.58	782.8	-341.7	854.1	847.9	6.20	137.666	
900.0	900.0	886.4	886.4	2.7	3.2	-23.58	782.8	-341.7	854.1	847.9	6.26	136.547	
925.0	925.0	911.4	911.4	2.7	3.2	-23.58	782.8	-341.7	854.1	847.8	6.30	135.472	
950.0	950.0	936.4	936.4	2.8	3.2	-23.58	782.8	-341.7	854.1	847.8	6.36	134.402	
975.0	975.0	961.4	961.4	2.8	3.2	-23.58	782.8	-341.7	854.1	847.7	6.41	133.339	
1,000.0	1,000.0	986.4	986.4	2.9	3.2	-23.58	782.8	-341.7	854.1	847.7	6.46	132.283	
1,025.0	1,025.0	1,011.4	1,011.4	2.9	3.3	-23.58	782.8	-341.7	854.1	847.6	6.51	131.264	
1,050.0	1,050.0	1,036.4	1,036.4	3.0	3.3	-23.58	782.8	-341.7	854.1	847.6	6.56	130.251	
1,075.0	1,075.0	1,061.4	1,061.4	3.0	3.3	-23.58	782.8	-341.7	854.1	847.5	6.61	129.245	
1,100.0	1,100.0	1,086.4	1,086.4	3.0	3.3	-23.58	782.8	-341.7	854.1	847.5	6.66	128.247	
1,125.0	1,125.0	1,111.4	1,111.4	3.1	3.3	-23.58	782.8	-341.7	854.1	847.4	6.71	127.280	
1,150.0	1,150.0	1,136.4	1,136.4	3.1	3.3	-23.58	782.8	-341.7	854.1	847.4	6.76	126.321	
1,175.0	1,175.0	1,161.4	1,161.4	3.2	3.3	-23.58	782.8	-341.7	854.1	847.3	6.81	125.369	
1,200.0	1,200.0	1,186.4	1,186.4	3.2	3.3	-23.58	782.8	-341.7	854.1	847.3	6.86	124.424	
1,225.0	1,225.0	1,211.4	1,211.4	3.2	3.4	-23.58	782.8	-341.7	854.1	847.2	6.92	123.507	
1,250.0	1,250.0	1,236.4	1,236.4	3.3	3.4	-23.58	782.8	-341.7	854.1	847.2	6.97	122.598	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	1,261.4	1,261.4	3.3	3.4	-23.58	782.8	-341.7	854.1	847.1	7.02	121.695	
1,300.0	1,300.0	1,286.4	1,286.4	3.4	3.4	-23.58	782.8	-341.7	854.1	847.1	7.07	120.801	
1,325.0	1,325.0	1,311.4	1,311.4	3.4	3.4	-23.58	782.8	-341.7	854.1	847.0	7.12	119.930	
1,350.0	1,350.0	1,336.4	1,336.4	3.4	3.4	-23.58	782.8	-341.7	854.1	847.0	7.17	119.067	
1,375.0	1,375.0	1,361.4	1,361.4	3.5	3.5	-23.58	782.8	-341.7	854.1	846.9	7.23	118.212	
1,400.0	1,400.0	1,386.4	1,386.4	3.5	3.5	-23.58	782.8	-341.7	854.1	846.9	7.28	117.363	
1,425.0	1,425.0	1,411.4	1,411.4	3.6	3.5	-23.58	782.8	-341.7	854.1	846.8	7.33	116.537	
1,450.0	1,450.0	1,436.4	1,436.4	3.6	3.5	-23.58	782.8	-341.7	854.1	846.7	7.38	115.717	
1,475.0	1,475.0	1,461.4	1,461.4	3.6	3.5	-23.58	782.8	-341.7	854.1	846.7	7.43	114.905	
1,500.0	1,500.0	1,486.4	1,486.4	3.7	3.5	-23.58	782.8	-341.7	854.1	846.6	7.49	114.100	
1,525.0	1,525.0	1,511.4	1,511.4	3.7	3.6	-23.58	782.8	-341.7	854.1	846.6	7.54	113.314	
1,550.0	1,550.0	1,536.4	1,536.4	3.8	3.6	-23.58	782.8	-341.7	854.1	846.5	7.59	112.535	
1,575.0	1,575.0	1,561.4	1,561.4	3.8	3.6	-23.58	782.8	-341.7	854.1	846.5	7.64	111.763	
1,600.0	1,600.0	1,586.4	1,586.4	3.8	3.6	-23.58	782.8	-341.7	854.1	846.4	7.69	110.999	
1,625.0	1,625.0	1,611.4	1,611.4	3.9	3.6	-23.58	782.8	-341.7	854.1	846.4	7.75	110.251	
1,650.0	1,650.0	1,636.4	1,636.4	3.9	3.6	-23.58	782.8	-341.7	854.1	846.3	7.80	109.511	
1,675.0	1,675.0	1,661.4	1,661.4	3.9	3.7	-23.58	782.8	-341.7	854.1	846.3	7.85	108.777	
1,700.0	1,700.0	1,686.4	1,686.4	4.0	3.7	-23.58	782.8	-341.7	854.1	846.2	7.90	108.050	
1,725.0	1,725.0	1,711.4	1,711.4	4.0	3.7	-23.58	782.8	-341.7	854.1	846.2	7.96	107.338	
1,750.0	1,750.0	1,736.4	1,736.4	4.1	3.7	-23.58	782.8	-341.7	854.1	846.1	8.01	106.633	
1,775.0	1,775.0	1,761.4	1,761.4	4.1	3.7	-23.58	782.8	-341.7	854.1	846.1	8.06	105.935	
1,800.0	1,800.0	1,786.4	1,786.4	4.1	3.8	-23.58	782.8	-341.7	854.1	846.0	8.12	105.243	
1,825.0	1,825.0	1,811.4	1,811.4	4.2	3.8	-23.58	782.8	-341.7	854.1	846.0	8.17	104.565	
1,850.0	1,850.0	1,836.4	1,836.4	4.2	3.8	-23.58	782.8	-341.7	854.1	845.9	8.22	103.893	
1,875.0	1,875.0	1,861.4	1,861.4	4.2	3.8	-23.58	782.8	-341.7	854.1	845.9	8.27	103.228	
1,900.0	1,900.0	1,886.4	1,886.4	4.3	3.8	-23.58	782.8	-341.7	854.1	845.8	8.33	102.568	
1,925.0	1,925.0	1,911.4	1,911.4	4.3	3.9	-23.58	782.8	-341.7	854.1	845.7	8.38	101.922	
1,950.0	1,950.0	1,936.4	1,936.4	4.3	3.9	-23.58	782.8	-341.7	854.1	845.7	8.43	101.281	
1,975.0	1,975.0	1,961.4	1,961.4	4.4	3.9	-23.58	782.8	-341.7	854.1	845.6	8.49	100.647	
2,000.0	2,000.0	1,986.4	1,986.4	4.4	3.9	-23.58	782.8	-341.7	854.1	845.6	8.54	100.019	
2,025.0	2,025.0	2,011.4	2,011.4	4.5	3.9	-23.58	782.8	-341.7	854.1	845.5	8.61	99.203	
2,050.0	2,050.0	2,036.4	2,036.4	4.5	4.0	-23.58	782.8	-341.7	854.1	845.4	8.68	98.397	
2,075.0	2,075.0	2,061.4	2,061.4	4.6	4.0	-23.58	782.8	-341.7	854.1	845.4	8.75	97.602	
2,100.0	2,100.0	2,086.4	2,086.4	4.6	4.0	-23.58	782.8	-341.7	854.1	845.3	8.82	96.818	
2,125.0	2,125.0	2,111.4	2,111.4	4.7	4.0	-23.58	782.8	-341.7	854.1	845.2	8.88	96.158	
2,150.0	2,150.0	2,136.4	2,136.4	4.7	4.1	-23.58	782.8	-341.7	854.1	845.2	8.94	95.505	
2,175.0	2,175.0	2,161.4	2,161.4	4.7	4.1	-23.58	782.8	-341.7	854.1	845.1	9.00	94.859	
2,200.0	2,200.0	2,186.4	2,186.4	4.8	4.1	-23.58	782.8	-341.7	854.1	845.1	9.07	94.220	
2,225.0	2,225.0	2,211.4	2,211.4	4.8	4.1	-23.58	782.8	-341.7	854.1	845.0	9.13	93.599	
2,250.0	2,250.0	2,236.4	2,236.4	4.8	4.1	-23.58	782.8	-341.7	854.1	844.9	9.19	92.985	
2,275.0	2,275.0	2,261.4	2,261.4	4.9	4.2	-23.58	782.8	-341.7	854.1	844.9	9.25	92.378	
2,300.0	2,300.0	2,286.4	2,286.4	4.9	4.2	-23.58	782.8	-341.7	854.1	844.8	9.31	91.776	
2,325.0	2,325.0	2,311.4	2,311.4	5.0	4.2	-23.58	782.8	-341.7	854.1	844.8	9.37	91.191	
2,350.0	2,350.0	2,336.4	2,336.4	5.0	4.2	-23.58	782.8	-341.7	854.1	844.7	9.43	90.612	
2,375.0	2,375.0	2,361.4	2,361.4	5.0	4.3	-23.58	782.8	-341.7	854.1	844.6	9.49	90.039	
2,400.0	2,400.0	2,386.4	2,386.4	5.1	4.3	-23.58	782.8	-341.7	854.1	844.6	9.55	89.472	
2,425.0	2,425.0	2,411.4	2,411.4	5.1	4.3	-23.58	782.8	-341.7	854.1	844.5	9.61	88.919	
2,450.0	2,450.0	2,436.4	2,436.4	5.1	4.3	-23.58	782.8	-341.7	854.1	844.5	9.67	88.372	
2,475.0	2,475.0	2,461.4	2,461.4	5.2	4.4	-23.58	782.8	-341.7	854.1	844.4	9.72	87.831	
2,500.0	2,500.0	2,486.4	2,486.4	5.2	4.4	-23.58	782.8	-341.7	854.1	844.3	9.78	87.295	
2,525.0	2,525.0	2,512.9	2,512.9	5.3	4.4	-106.44	782.8	-341.7	854.1	844.3	9.84	86.769	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	2,550.0	2,541.3	2,541.3	5.3	4.4	-106.45	782.8	-341.4	854.1	844.2	9.90	86.295	
2,575.0	2,575.0	2,569.7	2,569.7	5.3	4.4	-106.45	782.8	-340.9	854.1	844.2	9.95	85.846	
2,600.0	2,600.0	2,598.1	2,598.1	5.4	4.5	-106.46	782.8	-340.0	854.0	844.0	10.00	85.423	
2,625.0	2,625.0	2,626.5	2,626.5	5.4	4.5	-106.47	782.8	-338.9	853.9	843.9	10.04	85.049	
2,650.0	2,649.9	2,654.9	2,654.8	5.4	4.5	-106.47	782.8	-337.5	853.8	843.7	10.08	84.686	
2,675.0	2,674.9	2,683.3	2,683.1	5.5	4.5	-106.47	782.8	-335.8	853.6	843.5	10.12	84.332	
2,700.0	2,699.8	2,711.7	2,711.5	5.5	4.5	-106.48	782.8	-333.9	853.3	843.2	10.16	83.977	
2,725.0	2,724.8	2,740.0	2,739.8	5.5	4.5	-106.48	782.8	-331.6	853.1	842.9	10.20	83.608	
2,750.0	2,749.7	2,766.2	2,765.8	5.6	4.5	-106.49	782.8	-329.4	852.8	842.6	10.25	83.239	
2,775.0	2,774.6	2,791.2	2,790.7	5.6	4.5	-106.50	782.8	-327.2	852.6	842.3	10.29	82.879	
2,800.0	2,799.5	2,816.2	2,815.7	5.7	4.5	-106.53	782.8	-325.0	852.4	842.1	10.33	82.528	
2,825.0	2,824.3	2,841.2	2,840.5	5.7	4.5	-106.58	782.8	-322.8	852.3	841.9	10.37	82.178	
2,850.0	2,849.1	2,866.2	2,865.4	5.7	4.5	-106.63	782.8	-320.7	852.3	841.9	10.41	81.840	
2,852.0	2,851.2	2,868.2	2,867.5	5.7	4.5	-106.64	782.8	-320.5	852.3	841.9	10.42	81.813	
2,875.0	2,873.9	2,891.2	2,890.3	5.8	4.6	-106.70	782.8	-318.5	852.3	841.9	10.46	81.514	
2,900.0	2,898.7	2,916.1	2,915.2	5.9	4.6	-106.78	782.8	-316.3	852.4	841.9	10.50	81.193	
2,925.0	2,923.4	2,941.1	2,940.1	5.9	4.6	-106.88	782.8	-314.1	852.6	842.0	10.54	80.869	
2,950.0	2,948.2	2,966.0	2,964.9	6.0	4.6	-106.99	782.8	-312.0	852.8	842.2	10.59	80.557	
2,975.0	2,972.8	2,991.0	2,989.7	6.1	4.6	-107.11	782.8	-309.8	853.1	842.4	10.63	80.254	
3,000.0	2,997.5	3,015.9	3,014.6	6.1	4.6	-107.24	782.8	-307.6	853.4	842.8	10.67	79.958	
3,025.0	3,022.1	3,040.8	3,039.4	6.2	4.6	-107.38	782.8	-305.5	853.9	843.1	10.72	79.655	
3,050.0	3,046.6	3,065.6	3,064.1	6.3	4.6	-107.54	782.8	-303.3	854.4	843.6	10.77	79.361	
3,075.0	3,071.1	3,090.5	3,088.9	6.4	4.6	-107.71	782.8	-301.1	854.9	844.1	10.81	79.077	
3,100.0	3,095.6	3,115.3	3,113.6	6.5	4.7	-107.89	782.8	-299.0	855.6	844.7	10.86	78.799	
3,125.0	3,120.1	3,140.1	3,138.3	6.5	4.7	-108.09	782.8	-296.8	856.3	845.4	10.90	78.524	
3,150.0	3,144.5	3,164.9	3,163.0	6.6	4.7	-108.29	782.8	-294.6	857.0	846.0	10.95	78.252	
3,175.0	3,169.0	3,189.8	3,187.8	6.7	4.7	-108.48	782.8	-292.5	857.7	846.7	11.00	77.982	
3,200.0	3,193.4	3,214.6	3,212.5	6.8	4.7	-108.68	782.8	-290.3	858.4	847.4	11.05	77.711	
3,225.0	3,217.9	3,239.4	3,237.2	6.8	4.7	-108.88	782.8	-288.1	859.1	848.1	11.10	77.428	
3,250.0	3,242.3	3,264.2	3,261.9	6.9	4.7	-109.08	782.8	-286.0	859.9	848.7	11.15	77.147	
3,275.0	3,266.8	3,289.0	3,286.6	7.0	4.7	-109.27	782.8	-283.8	860.6	849.5	11.20	76.868	
3,300.0	3,291.3	3,313.8	3,311.3	7.1	4.8	-109.47	782.8	-281.7	861.4	850.2	11.25	76.588	
3,325.0	3,315.7	3,338.6	3,336.1	7.1	4.8	-109.67	782.8	-279.5	862.2	850.9	11.30	76.297	
3,350.0	3,340.2	3,363.4	3,360.8	7.2	4.8	-109.86	782.8	-277.3	863.0	851.6	11.35	76.007	
3,375.0	3,364.6	3,388.2	3,385.5	7.3	4.8	-110.06	782.8	-275.2	863.8	852.4	11.41	75.719	
3,400.0	3,389.1	3,413.0	3,410.2	7.4	4.8	-110.26	782.8	-273.0	864.6	853.1	11.46	75.431	
3,425.0	3,413.5	3,437.9	3,434.9	7.5	4.8	-110.45	782.8	-270.8	865.4	853.9	11.52	75.132	
3,450.0	3,438.0	3,462.7	3,459.6	7.5	4.8	-110.65	782.8	-268.7	866.2	854.6	11.58	74.835	
3,475.0	3,462.4	3,487.5	3,484.3	7.6	4.9	-110.84	782.8	-266.5	867.1	855.4	11.63	74.540	
3,500.0	3,486.9	3,512.3	3,509.1	7.7	4.9	-111.03	782.8	-264.4	867.9	856.2	11.69	74.244	
3,525.0	3,511.3	3,537.1	3,533.8	7.8	4.9	-111.23	782.8	-262.2	868.8	857.0	11.75	73.938	
3,550.0	3,535.8	3,561.9	3,558.5	7.9	4.9	-111.42	782.8	-260.0	869.6	857.8	11.81	73.635	
3,575.0	3,560.2	3,586.7	3,583.2	8.0	4.9	-111.61	782.8	-257.9	870.5	858.6	11.87	73.332	
3,600.0	3,584.7	3,611.5	3,607.9	8.1	4.9	-111.81	782.8	-255.7	871.4	859.5	11.93	73.030	
3,625.0	3,609.2	3,636.3	3,632.6	8.1	4.9	-112.00	782.8	-253.5	872.3	860.3	12.00	72.719	
3,650.0	3,633.6	3,661.1	3,657.4	8.2	5.0	-112.19	782.8	-251.4	873.2	861.1	12.06	72.409	
3,675.0	3,658.1	3,686.0	3,682.1	8.3	5.0	-112.38	782.8	-249.2	874.1	862.0	12.12	72.101	
3,700.0	3,682.5	3,710.8	3,706.8	8.4	5.0	-112.57	782.8	-247.1	875.0	862.9	12.19	71.794	
3,725.0	3,707.0	3,735.6	3,731.5	8.5	5.0	-112.76	782.8	-244.9	876.0	863.7	12.26	71.478	
3,750.0	3,731.4	3,760.4	3,756.2	8.6	5.0	-112.95	782.8	-242.7	876.9	864.6	12.32	71.164	
3,775.0	3,755.9	3,785.2	3,780.9	8.7	5.0	-113.14	782.8	-240.6	877.9	865.5	12.39	70.851	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,780.3	3,810.0	3,805.7	8.8	5.1	-113.33	782.8	-238.4	878.9	866.4	12.46	70.540	
3,825.0	3,804.8	3,834.8	3,830.4	8.9	5.1	-113.52	782.8	-236.3	879.8	867.3	12.53	70.220	
3,850.0	3,829.2	3,859.6	3,855.1	9.0	5.1	-113.71	782.8	-234.1	880.8	868.2	12.60	69.903	
3,875.0	3,853.7	3,884.4	3,879.8	9.1	5.1	-113.90	782.8	-231.9	881.8	869.1	12.67	69.587	
3,900.0	3,878.1	3,909.2	3,904.5	9.2	5.1	-114.08	782.8	-229.8	882.8	870.1	12.74	69.272	
3,925.0	3,902.6	3,934.1	3,929.2	9.3	5.1	-114.27	782.8	-227.6	883.8	871.0	12.82	68.950	
3,950.0	3,927.1	3,958.9	3,953.9	9.4	5.2	-114.46	782.8	-225.4	884.8	872.0	12.89	68.630	
3,975.0	3,951.5	3,983.7	3,978.7	9.5	5.2	-114.64	782.8	-223.3	885.9	872.9	12.97	68.312	
4,000.0	3,976.0	4,008.5	4,003.4	9.6	5.2	-114.83	782.8	-221.1	886.9	873.9	13.04	67.995	
4,025.0	4,000.4	4,033.3	4,028.1	9.7	5.2	-115.02	782.8	-219.0	888.0	874.9	13.12	67.672	
4,050.0	4,024.9	4,058.1	4,052.8	9.8	5.2	-115.20	782.8	-216.8	889.0	875.8	13.20	67.351	
4,075.0	4,049.3	4,082.9	4,077.5	9.9	5.3	-115.39	782.8	-214.6	890.1	876.8	13.28	67.031	
4,100.0	4,073.8	4,107.7	4,102.2	10.0	5.3	-115.57	782.8	-212.5	891.2	877.8	13.36	66.713	
4,125.0	4,098.2	4,132.5	4,127.0	10.1	5.3	-115.75	782.8	-210.3	892.3	878.8	13.44	66.390	
4,150.0	4,122.7	4,157.3	4,151.7	10.2	5.3	-115.94	782.8	-208.1	893.4	879.9	13.52	66.069	
4,175.0	4,147.1	4,182.2	4,176.4	10.3	5.3	-116.12	782.8	-206.0	894.5	880.9	13.60	65.750	
4,200.0	4,171.6	4,207.0	4,201.1	10.4	5.3	-116.30	782.8	-203.8	895.6	881.9	13.69	65.432	
4,225.0	4,196.0	4,231.8	4,225.8	10.5	5.4	-116.48	782.8	-201.7	896.7	883.0	13.77	65.110	
4,250.0	4,220.5	4,256.6	4,250.5	10.6	5.4	-116.66	782.8	-199.5	897.9	884.0	13.86	64.790	
4,275.0	4,244.9	4,281.4	4,275.3	10.7	5.4	-116.85	782.8	-197.3	899.0	885.1	13.94	64.472	
4,300.0	4,269.4	4,306.2	4,300.0	10.8	5.4	-117.03	782.8	-195.2	900.2	886.1	14.03	64.155	
4,325.0	4,293.9	4,331.0	4,324.7	10.9	5.4	-117.21	782.8	-193.0	901.3	887.2	14.12	63.835	
4,350.0	4,318.3	4,355.8	4,349.4	11.0	5.5	-117.39	782.8	-190.8	902.5	888.3	14.21	63.516	
4,375.0	4,342.8	4,380.6	4,374.1	11.1	5.5	-117.57	782.8	-188.7	903.7	889.4	14.30	63.200	
4,400.0	4,367.2	4,405.4	4,398.8	11.2	5.5	-117.74	782.8	-186.5	904.9	890.5	14.39	62.886	
4,425.0	4,391.7	4,430.3	4,423.5	11.3	5.5	-117.92	782.8	-184.4	906.1	891.6	14.48	62.569	
4,450.0	4,416.1	4,455.1	4,448.3	11.4	5.5	-118.10	782.8	-182.2	907.3	892.7	14.57	62.253	
4,475.0	4,440.6	4,479.9	4,473.0	11.5	5.6	-118.28	782.8	-180.0	908.5	893.8	14.67	61.940	
4,500.0	4,465.0	4,504.7	4,497.7	11.6	5.6	-118.45	782.8	-177.9	909.7	894.9	14.76	61.629	
4,525.0	4,489.5	4,529.5	4,522.4	11.7	5.6	-118.63	782.8	-175.7	910.9	896.1	14.86	61.315	
4,550.0	4,513.9	4,554.3	4,547.1	11.8	5.6	-118.81	782.8	-173.5	912.2	897.2	14.95	61.004	
4,575.0	4,538.4	4,579.1	4,571.8	11.9	5.6	-118.98	782.8	-171.4	913.4	898.4	15.05	60.694	
4,600.0	4,562.8	4,603.9	4,596.6	12.0	5.7	-119.16	782.8	-169.2	914.7	899.5	15.15	60.387	
4,625.0	4,587.3	4,628.7	4,621.3	12.1	5.7	-119.33	782.8	-167.1	916.0	900.7	15.25	60.078	
4,650.0	4,611.8	4,653.6	4,646.0	12.2	5.7	-119.51	782.8	-164.9	917.2	901.9	15.35	59.771	
4,675.0	4,636.2	4,678.4	4,670.7	12.3	5.7	-119.68	782.8	-162.7	918.5	903.1	15.45	59.466	
4,700.0	4,660.7	4,703.2	4,695.4	12.4	5.8	-119.85	782.8	-160.6	919.8	904.3	15.55	59.163	
4,725.0	4,685.1	4,728.0	4,720.1	12.6	5.8	-120.02	782.8	-158.4	921.1	905.5	15.65	58.859	
4,750.0	4,709.6	4,752.8	4,744.9	12.7	5.8	-120.20	782.8	-156.2	922.4	906.7	15.75	58.557	
4,775.0	4,734.0	4,777.6	4,769.6	12.8	5.8	-120.37	782.8	-154.1	923.7	907.9	15.86	58.258	
4,800.0	4,758.5	4,802.4	4,794.3	12.9	5.8	-120.54	782.8	-151.9	925.1	909.1	15.96	57.961	
4,825.0	4,782.9	4,827.2	4,819.0	13.0	5.9	-120.71	782.8	-149.8	926.4	910.3	16.07	57.662	
4,850.0	4,807.4	4,852.0	4,843.7	13.1	5.9	-120.88	782.8	-147.6	927.8	911.6	16.17	57.366	
4,875.0	4,831.8	4,876.8	4,868.4	13.2	5.9	-121.05	782.8	-145.4	929.1	912.8	16.28	57.072	
4,900.0	4,856.3	4,901.7	4,893.1	13.3	5.9	-121.22	782.8	-143.3	930.5	914.1	16.39	56.781	
4,925.0	4,880.7	4,926.5	4,917.9	13.4	6.0	-121.39	782.8	-141.1	931.8	915.3	16.50	56.489	
4,950.0	4,905.2	4,951.3	4,942.6	13.5	6.0	-121.56	782.8	-138.9	933.2	916.6	16.61	56.199	
4,975.0	4,929.7	4,976.1	4,967.3	13.6	6.0	-121.72	782.8	-136.8	934.6	917.9	16.72	55.912	
5,000.0	4,954.1	5,000.9	4,992.0	13.8	6.0	-121.89	782.8	-134.6	936.0	919.2	16.83	55.627	
5,025.0	4,978.6	5,025.7	5,016.7	13.9	6.0	-122.06	782.8	-132.5	937.4	920.4	16.94	55.341	
5,050.0	5,003.0	5,050.5	5,041.4	14.0	6.1	-122.22	782.8	-130.3	938.8	921.7	17.05	55.058	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
5,075.0	5,027.5	5,075.3	5,066.2	14.1	6.1	-122.39	782.8	-128.1	940.2	923.0	17.16	54.777	
5,100.0	5,051.9	5,100.1	5,090.9	14.2	6.1	-122.55	782.8	-126.0	941.6	924.4	17.28	54.499	
5,125.0	5,076.4	5,124.9	5,115.6	14.3	6.1	-122.72	782.8	-123.8	943.1	925.7	17.39	54.220	
5,150.0	5,100.8	5,149.8	5,140.3	14.4	6.2	-122.88	782.8	-121.6	944.5	927.0	17.51	53.944	
5,175.0	5,125.3	5,174.6	5,165.0	14.5	6.2	-123.05	782.8	-119.5	946.0	928.3	17.63	53.671	
5,200.0	5,149.7	5,199.4	5,189.7	14.6	6.2	-123.21	782.8	-117.3	947.4	929.7	17.74	53.399	
5,225.0	5,174.2	5,224.2	5,214.5	14.7	6.2	-123.37	782.8	-115.2	948.9	931.0	17.86	53.128	
5,250.0	5,198.6	5,249.0	5,239.2	14.9	6.3	-123.54	782.8	-113.0	950.3	932.4	17.98	52.859	
5,275.0	5,223.1	5,273.8	5,263.9	15.0	6.3	-123.70	782.8	-110.8	951.8	933.7	18.10	52.593	
5,300.0	5,247.6	5,298.6	5,288.6	15.1	6.3	-123.86	782.8	-108.7	953.3	935.1	18.22	52.328	
5,325.0	5,272.0	5,323.4	5,313.3	15.2	6.3	-124.02	782.8	-106.5	954.8	936.5	18.34	52.065	
5,350.0	5,296.5	5,348.2	5,338.0	15.3	6.3	-124.18	782.8	-104.3	956.3	937.8	18.46	51.803	
5,375.0	5,320.9	5,373.0	5,362.7	15.4	6.4	-124.34	782.8	-102.2	957.8	939.2	18.58	51.544	
5,400.0	5,345.4	5,397.9	5,387.5	15.5	6.4	-124.50	782.8	-100.0	959.3	940.6	18.71	51.287	
5,425.0	5,369.8	5,422.7	5,412.2	15.6	6.4	-124.66	782.8	-97.9	960.9	942.0	18.83	51.031	
5,450.0	5,394.3	5,447.5	5,436.9	15.7	6.4	-124.82	782.8	-95.7	962.4	943.4	18.95	50.777	
5,475.0	5,418.7	5,472.3	5,461.6	15.9	6.5	-124.97	782.8	-93.5	963.9	944.8	19.08	50.526	
5,500.0	5,443.2	5,497.1	5,486.3	16.0	6.5	-125.13	782.8	-91.4	965.5	946.3	19.20	50.276	
5,525.0	5,467.6	5,521.9	5,511.0	16.1	6.5	-125.29	782.8	-89.2	967.0	947.7	19.33	50.028	
5,550.0	5,492.1	5,546.7	5,535.8	16.2	6.5	-125.44	782.8	-87.0	968.6	949.1	19.46	49.782	
5,575.0	5,516.5	5,571.5	5,560.5	16.3	6.6	-125.60	782.8	-84.9	970.2	950.6	19.58	49.538	
5,600.0	5,541.0	5,596.3	5,585.2	16.4	6.6	-125.75	782.8	-82.7	971.7	952.0	19.71	49.296	
5,625.0	5,565.5	5,621.1	5,609.9	16.5	6.6	-125.91	782.8	-80.6	973.3	953.5	19.84	49.055	
5,650.0	5,589.9	5,646.0	5,634.6	16.6	6.6	-126.06	782.8	-78.4	974.9	954.9	19.97	48.816	
5,675.0	5,614.4	5,670.8	5,659.3	16.8	6.7	-126.22	782.8	-76.2	976.5	956.4	20.10	48.580	
5,700.0	5,638.8	5,695.6	5,684.1	16.9	6.7	-126.37	782.8	-74.1	978.1	957.9	20.23	48.346	
5,725.0	5,663.3	5,720.4	5,708.8	17.0	6.7	-126.52	782.8	-71.9	979.7	959.3	20.36	48.113	
5,750.0	5,687.7	5,745.2	5,733.5	17.1	6.7	-126.68	782.8	-69.7	981.3	960.8	20.49	47.882	
5,775.0	5,712.2	5,770.0	5,758.2	17.2	6.8	-126.83	782.8	-67.6	983.0	962.3	20.63	47.653	
5,800.0	5,736.6	5,794.8	5,782.9	17.3	6.8	-126.98	782.8	-65.4	984.6	963.8	20.76	47.426	
5,825.0	5,761.1	5,819.6	5,807.6	17.4	6.8	-127.13	782.8	-63.3	986.2	965.3	20.89	47.200	
5,850.0	5,785.5	5,844.4	5,832.3	17.5	6.8	-127.28	782.8	-61.1	987.9	966.8	21.03	46.977	
5,875.0	5,810.0	5,869.2	5,857.1	17.7	6.9	-127.43	782.8	-58.9	989.5	968.4	21.16	46.756	
5,900.0	5,834.4	5,894.1	5,881.8	17.8	6.9	-127.58	782.8	-56.8	991.2	969.9	21.30	46.536	
5,925.0	5,858.9	5,918.9	5,906.5	17.9	6.9	-127.73	782.8	-54.6	992.8	971.4	21.44	46.318	
5,950.0	5,883.3	5,943.7	5,931.2	18.0	6.9	-127.88	782.8	-52.5	994.5	972.9	21.57	46.102	
5,975.0	5,907.8	5,968.5	5,955.9	18.1	7.0	-128.02	782.8	-50.3	996.2	974.5	21.71	45.888	
6,000.0	5,932.3	5,993.3	5,980.6	18.2	7.0	-128.17	782.8	-48.1	997.9	976.0	21.85	45.676	
6,025.0	5,956.7	6,018.1	6,005.4	18.3	7.0	-128.32	782.8	-46.0	999.6	977.6	21.99	45.465	
7,600.0	7,518.4	7,587.2	7,568.5	23.1	8.7	-46.96	782.8	90.8	998.4	971.1	27.31	36.558	
7,625.0	7,543.4	7,612.1	7,593.3	23.1	8.8	-46.87	782.8	93.0	996.8	969.5	27.32	36.490	
7,650.0	7,568.4	7,637.0	7,618.1	23.1	8.8	-46.79	782.8	95.1	995.3	967.9	27.33	36.421	
7,675.0	7,593.4	7,661.9	7,642.9	23.1	8.8	-46.70	782.8	97.3	993.7	966.3	27.33	36.353	
7,700.0	7,618.4	7,686.8	7,667.7	23.1	8.8	-46.61	782.8	99.5	992.1	964.7	27.34	36.285	
7,725.0	7,643.4	7,711.7	7,692.5	23.1	8.9	-46.53	782.8	101.6	990.5	963.1	27.35	36.216	
7,750.0	7,668.4	7,736.7	7,717.4	23.1	8.9	-46.44	782.8	103.8	988.9	961.6	27.36	36.148	
7,775.0	7,693.4	7,761.6	7,742.2	23.1	8.9	-46.35	782.8	106.0	987.3	960.0	27.36	36.080	
7,800.0	7,718.4	7,786.5	7,767.0	23.1	9.0	-46.27	782.8	108.2	985.7	958.4	27.37	36.012	
7,825.0	7,743.4	7,811.4	7,791.8	23.2	9.0	-46.18	782.8	110.3	984.2	956.8	27.38	35.944	
7,850.0	7,768.4	7,836.3	7,816.6	23.2	9.0	-46.09	782.8	112.5	982.6	955.2	27.39	35.876	
7,875.0	7,793.4	7,861.2	7,841.4	23.2	9.0	-46.00	782.8	114.7	981.0	953.6	27.40	35.808	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
7,900.0	7,818.4	7,886.1	7,866.2	23.2	9.1	-45.91	782.8	116.8	979.5	952.1	27.40	35.741	
7,925.0	7,843.4	7,911.0	7,891.0	23.2	9.1	-45.83	782.8	119.0	977.9	950.5	27.41	35.673	
7,950.0	7,868.4	7,935.9	7,915.8	23.2	9.1	-45.74	782.8	121.2	976.3	948.9	27.42	35.605	
7,975.0	7,893.4	7,960.8	7,940.7	23.2	9.2	-45.65	782.8	123.4	974.8	947.3	27.43	35.538	
8,000.0	7,918.4	7,985.7	7,965.5	23.2	9.2	-45.56	782.8	125.5	973.2	945.8	27.44	35.470	
8,025.0	7,943.4	8,010.6	7,990.3	23.2	9.2	-45.47	782.8	127.7	971.6	944.2	27.45	35.403	
8,050.0	7,968.4	8,035.5	8,015.1	23.2	9.3	-45.38	782.8	129.9	970.1	942.6	27.45	35.336	
8,075.0	7,993.4	8,060.4	8,039.9	23.2	9.3	-45.29	782.8	132.0	968.5	941.1	27.46	35.268	
8,100.0	8,018.4	8,085.3	8,064.7	23.3	9.3	-45.20	782.8	134.2	967.0	939.5	27.47	35.201	
8,125.0	8,043.4	8,110.2	8,089.5	23.3	9.3	-45.11	782.8	136.4	965.4	938.0	27.48	35.134	
8,150.0	8,068.4	8,135.1	8,114.3	23.3	9.4	-45.01	782.8	138.5	963.9	936.4	27.49	35.067	
8,175.0	8,093.4	8,160.0	8,139.1	23.3	9.4	-44.92	782.8	140.7	962.4	934.9	27.50	35.000	
8,200.0	8,118.4	8,184.9	8,163.9	23.3	9.4	-44.83	782.8	142.9	960.8	933.3	27.50	34.933	
8,225.0	8,143.4	8,209.8	8,188.8	23.3	9.5	-44.74	782.8	145.1	959.3	931.8	27.51	34.866	
8,250.0	8,168.4	8,234.7	8,213.6	23.3	9.5	-44.65	782.8	147.2	957.7	930.2	27.52	34.800	
8,275.0	8,193.4	8,259.7	8,238.4	23.3	9.5	-44.55	782.8	149.4	956.2	928.7	27.53	34.733	
8,300.0	8,218.4	8,284.6	8,263.2	23.3	9.5	-44.46	782.8	151.6	954.7	927.1	27.54	34.666	
8,325.0	8,243.4	8,309.5	8,288.0	23.3	9.6	-44.37	782.8	153.7	953.1	925.6	27.55	34.600	
8,350.0	8,268.4	8,334.4	8,312.8	23.3	9.6	-44.27	782.8	155.9	951.6	924.1	27.56	34.533	
8,375.0	8,293.4	8,359.3	8,337.6	23.4	9.6	-44.18	782.8	158.1	950.1	922.5	27.57	34.467	
8,400.0	8,318.4	8,384.2	8,362.4	23.4	9.7	-44.09	782.8	160.3	948.6	921.0	27.57	34.401	
8,425.0	8,343.4	8,409.1	8,387.2	23.4	9.7	-43.99	782.8	162.4	947.1	919.5	27.58	34.335	
8,450.0	8,368.4	8,434.0	8,412.0	23.4	9.7	-43.90	782.8	164.6	945.5	918.0	27.59	34.268	
8,475.0	8,393.4	8,458.9	8,436.9	23.4	9.7	-43.80	782.8	166.8	944.0	916.4	27.60	34.202	
8,500.0	8,418.4	8,483.8	8,461.7	23.4	9.8	-43.71	782.8	168.9	942.5	914.9	27.61	34.136	
8,525.0	8,443.4	8,508.7	8,486.5	23.4	9.8	-43.61	782.8	171.1	941.0	913.4	27.62	34.071	
8,550.0	8,468.4	8,533.6	8,511.3	23.4	9.8	-43.51	782.8	173.3	939.5	911.9	27.63	34.005	
8,575.0	8,493.4	8,558.5	8,536.1	23.4	9.9	-43.42	782.8	175.4	938.0	910.4	27.64	33.939	
8,600.0	8,518.4	8,583.4	8,560.9	23.4	9.9	-43.32	782.8	177.6	936.5	908.9	27.65	33.873	
8,625.0	8,543.4	8,608.3	8,585.7	23.5	9.9	-43.22	782.8	179.8	935.0	907.4	27.66	33.808	
8,650.0	8,568.4	8,633.2	8,610.5	23.5	10.0	-43.13	782.8	182.0	933.5	905.9	27.67	33.742	
8,675.0	8,593.4	8,658.1	8,635.3	23.5	10.0	-43.03	782.8	184.1	932.0	904.4	27.68	33.677	
8,700.0	8,618.4	8,683.0	8,660.1	23.5	10.0	-42.93	782.8	186.3	930.5	902.9	27.69	33.612	
8,725.0	8,643.4	8,707.9	8,685.0	23.5	10.0	-42.83	782.8	188.5	929.1	901.4	27.69	33.546	
8,750.0	8,668.4	8,732.8	8,709.8	23.5	10.1	-42.74	782.8	190.6	927.6	899.9	27.70	33.481	
8,775.0	8,693.4	8,757.8	8,734.6	23.5	10.1	-42.64	782.8	192.8	926.1	898.4	27.71	33.416	
8,800.0	8,718.4	8,782.7	8,759.4	23.5	10.1	-42.54	782.8	195.0	924.6	896.9	27.72	33.351	
8,825.0	8,743.4	8,807.6	8,784.2	23.5	10.2	-42.44	782.8	197.2	923.1	895.4	27.73	33.286	
8,850.0	8,768.4	8,832.5	8,809.0	23.5	10.2	-42.34	782.8	199.3	921.7	893.9	27.74	33.221	
8,875.0	8,793.4	8,857.4	8,833.8	23.5	10.2	-42.24	782.8	201.5	920.2	892.4	27.75	33.156	
8,900.0	8,818.4	8,882.3	8,858.6	23.6	10.3	-42.14	782.8	203.7	918.7	891.0	27.76	33.092	
8,925.0	8,843.4	8,907.2	8,883.4	23.6	10.3	-42.04	782.8	205.8	917.3	889.5	27.77	33.027	
8,950.0	8,868.4	8,932.1	8,908.2	23.6	10.3	-41.94	782.8	208.0	915.8	888.0	27.78	32.963	
8,975.0	8,893.4	8,957.0	8,933.1	23.6	10.3	-41.83	782.8	210.2	914.4	886.6	27.79	32.898	
9,000.0	8,918.4	8,981.9	8,957.9	23.6	10.4	-41.73	782.8	212.3	912.9	885.1	27.80	32.834	
9,025.0	8,943.4	9,006.8	8,982.7	23.6	10.4	-41.63	782.8	214.5	911.4	883.6	27.81	32.769	
9,050.0	8,968.4	9,031.7	9,007.5	23.6	10.4	-41.53	782.8	216.7	910.0	882.2	27.82	32.705	
9,075.0	8,993.4	9,056.6	9,032.3	23.6	10.5	-41.43	782.8	218.9	908.5	880.7	27.83	32.641	
9,100.0	9,018.4	9,081.5	9,057.1	23.6	10.5	-41.32	782.8	221.0	907.1	879.3	27.84	32.577	
9,125.0	9,043.4	9,106.4	9,081.9	23.6	10.5	-41.22	782.8	223.2	905.7	877.8	27.86	32.513	
9,150.0	9,068.4	9,131.3	9,106.7	23.7	10.5	-41.12	782.8	225.4	904.2	876.4	27.87	32.449	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
9,175.0	9,093.4	9,156.2	9,131.5	23.7	10.6	-41.01	782.8	227.5	902.8	874.9	27.88	32.385	
9,200.0	9,118.4	9,181.1	9,156.3	23.7	10.6	-40.91	782.8	229.7	901.4	873.5	27.89	32.322	
9,225.0	9,143.4	9,206.0	9,181.2	23.7	10.6	-40.80	782.8	231.9	899.9	872.0	27.90	32.258	
9,250.0	9,168.4	9,230.9	9,206.0	23.7	10.7	-40.70	782.8	234.1	898.5	870.6	27.91	32.194	
9,275.0	9,193.4	9,255.8	9,230.8	23.7	10.7	-40.59	782.8	236.2	897.1	869.2	27.92	32.131	
9,300.0	9,218.4	9,280.8	9,255.6	23.7	10.7	-40.49	782.8	238.4	895.7	867.7	27.93	32.068	
9,325.0	9,243.4	9,305.7	9,280.4	23.7	10.8	-40.38	782.8	240.6	894.3	866.3	27.94	32.004	
9,350.0	9,268.4	9,330.6	9,305.2	23.7	10.8	-40.28	782.8	242.7	892.8	864.9	27.95	31.941	
9,375.0	9,293.4	9,355.5	9,330.0	23.7	10.8	-40.17	782.8	244.9	891.4	863.5	27.96	31.878	
9,400.0	9,318.4	9,380.4	9,354.8	23.8	10.9	-40.06	782.8	247.1	890.0	862.0	27.97	31.815	
9,425.0	9,343.4	9,405.3	9,379.6	23.8	10.9	-39.95	782.8	249.2	888.6	860.6	27.99	31.752	
9,450.0	9,368.4	9,430.2	9,404.4	23.8	10.9	-39.85	782.8	251.4	887.2	859.2	28.00	31.689	
9,475.0	9,393.4	9,455.1	9,429.3	23.8	10.9	-39.74	782.8	253.6	885.8	857.8	28.01	31.626	
9,500.0	9,418.4	9,480.0	9,454.1	23.8	11.0	-39.63	782.8	255.8	884.4	856.4	28.02	31.564	
9,525.0	9,443.4	9,504.9	9,478.9	23.8	11.0	-39.52	782.8	257.9	883.0	855.0	28.03	31.501	
9,550.0	9,468.4	9,529.8	9,503.7	23.8	11.0	-39.41	782.8	260.1	881.6	853.6	28.04	31.438	
9,575.0	9,493.4	9,554.7	9,528.5	23.8	11.1	-39.30	782.8	262.3	880.3	852.2	28.06	31.376	
9,600.0	9,518.4	9,579.6	9,553.3	23.8	11.1	-39.19	782.8	264.4	878.9	850.8	28.07	31.313	
9,625.0	9,543.4	9,604.5	9,578.1	23.8	11.1	-39.08	782.8	266.6	877.5	849.4	28.08	31.251	
9,650.0	9,568.4	9,629.4	9,602.9	23.9	11.2	-38.97	782.8	268.8	876.1	848.0	28.09	31.189	
9,675.0	9,593.4	9,654.3	9,627.7	23.9	11.2	-38.86	782.8	271.0	874.8	846.6	28.10	31.127	
9,700.0	9,618.4	9,679.2	9,652.5	23.9	11.2	-38.75	782.8	273.1	873.4	845.3	28.11	31.065	
9,725.0	9,643.4	9,704.1	9,677.4	23.9	11.2	-38.64	782.8	275.3	872.0	843.9	28.13	31.003	
9,750.0	9,668.4	9,729.0	9,702.2	23.9	11.3	-38.53	782.8	277.5	870.7	842.5	28.14	30.941	
9,775.0	9,693.4	9,753.9	9,727.0	23.9	11.3	-38.42	782.8	279.6	869.3	841.1	28.15	30.879	
9,800.0	9,718.4	9,778.9	9,751.8	23.9	11.3	-38.30	782.8	281.8	867.9	839.8	28.16	30.817	
9,825.0	9,743.4	9,803.8	9,776.6	23.9	11.4	-38.19	782.8	284.0	866.6	838.4	28.18	30.756	
9,850.0	9,768.4	9,828.7	9,801.4	23.9	11.4	-38.08	782.8	286.1	865.2	837.1	28.19	30.694	
9,875.0	9,793.4	9,853.6	9,826.2	23.9	11.4	-37.96	782.8	288.3	863.9	835.7	28.20	30.633	
9,900.0	9,818.4	9,878.5	9,851.0	24.0	11.5	-37.85	782.8	290.5	862.6	834.3	28.21	30.571	
9,925.0	9,843.4	9,903.4	9,875.8	24.0	11.5	-37.74	782.8	292.7	861.2	833.0	28.23	30.510	
9,950.0	9,868.4	9,928.3	9,900.6	24.0	11.5	-37.62	782.8	294.8	859.9	831.6	28.24	30.449	
9,975.0	9,893.4	9,953.2	9,925.5	24.0	11.6	-37.51	782.8	297.0	858.5	830.3	28.25	30.388	
10,000.0	9,918.4	9,978.1	9,950.3	24.0	11.6	-37.39	782.8	299.2	857.2	829.0	28.27	30.327	
10,025.0	9,943.4	10,003.0	9,975.1	24.0	11.6	-37.28	782.8	301.3	855.9	827.6	28.28	30.266	
10,050.0	9,968.4	10,027.9	9,999.9	24.0	11.6	-37.16	782.8	303.5	854.6	826.3	28.29	30.205	
10,075.0	9,993.4	11,400.0	10,799.8	24.0	14.3	-110.76	50.6	681.4	833.1	791.4	41.76	19.953	
10,100.0	10,018.4	11,400.0	10,799.8	24.0	14.3	-110.76	50.6	681.4	808.5	766.7	41.83	19.331	
10,125.0	10,043.4	11,400.0	10,799.8	24.0	14.3	-110.76	50.6	681.4	784.0	742.1	41.90	18.711	
10,150.0	10,068.4	11,400.0	10,799.8	24.1	14.3	-110.76	50.6	681.4	759.4	717.5	41.97	18.095	
10,153.2	10,071.6	11,400.0	10,799.8	24.1	14.3	-110.76	50.6	681.4	756.3	714.3	41.98	18.017	
10,175.0	10,093.4	11,400.0	10,799.8	24.1	14.3	-121.80	50.6	681.4	735.0	692.8	42.17	17.429	
10,200.0	10,118.3	11,396.4	10,799.9	24.1	14.3	-130.54	54.0	680.3	710.7	668.4	42.23	16.828	
10,225.0	10,143.1	11,393.5	10,799.9	24.1	14.3	-137.24	56.7	679.3	686.7	644.4	42.30	16.234	
10,250.0	10,167.7	11,389.4	10,799.9	24.1	14.3	-142.04	60.6	678.0	663.0	620.6	42.36	15.652	
10,275.0	10,192.1	11,384.2	10,799.9	24.1	14.3	-145.50	65.5	676.3	639.8	597.4	42.42	15.083	
10,300.0	10,216.1	11,377.8	10,799.9	24.1	14.2	-148.00	71.5	674.2	617.1	574.6	42.47	14.530	
10,325.0	10,239.7	11,370.4	10,800.0	24.1	14.2	-149.82	78.5	671.8	595.0	552.5	42.52	13.995	
10,350.0	10,262.9	11,361.9	10,800.0	24.1	14.1	-151.11	86.6	669.0	573.6	531.0	42.55	13.479	
10,375.0	10,285.5	11,352.3	10,800.1	24.1	14.1	-151.99	95.6	665.7	553.0	510.4	42.59	12.985	
10,400.0	10,307.5	11,341.7	10,800.1	24.1	14.1	-152.54	105.6	662.2	533.2	490.6	42.61	12.515	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
10,425.0	10,328.9	11,330.1	10,800.2	24.1	14.0	-152.81	116.5	658.2	514.5	471.9	42.62	12.071	
10,450.0	10,349.6	11,317.6	10,800.3	24.1	13.9	-152.86	128.2	653.9	496.8	454.2	42.62	11.656	
10,475.0	10,369.6	11,304.2	10,800.3	24.1	13.9	-152.71	140.7	649.2	480.3	437.7	42.61	11.271	
10,500.0	10,388.7	11,290.0	10,800.4	24.1	13.8	-152.37	154.0	644.1	465.0	422.4	42.59	10.918	
10,525.0	10,406.9	11,274.9	10,800.5	24.1	13.8	-151.88	168.1	638.7	451.0	408.5	42.55	10.600	
10,550.0	10,424.3	11,259.2	10,800.6	24.1	13.7	-151.24	182.8	632.9	438.5	396.0	42.49	10.319	
10,575.0	10,440.6	11,242.7	10,800.6	24.1	13.6	-150.46	198.1	626.8	427.4	385.0	42.42	10.076	
10,600.0	10,456.0	11,225.6	10,800.7	24.1	13.5	-149.55	213.9	620.4	417.9	375.6	42.33	9.873	
10,625.0	10,470.3	11,207.9	10,800.8	24.1	13.5	-148.53	230.3	613.7	410.0	367.8	42.22	9.711	
10,650.0	10,483.5	11,189.7	10,800.9	24.1	13.4	-147.40	247.1	606.6	403.7	361.6	42.09	9.590	
10,675.0	10,495.5	11,171.0	10,801.0	24.2	13.3	-146.17	264.3	599.3	399.0	357.1	41.95	9.511	
10,700.0	10,506.4	11,140.3	10,800.8	24.2	13.2	-143.90	292.4	587.1	395.8	354.0	41.84	9.460	
10,725.0	10,516.2	11,100.3	10,798.1	24.2	13.1	-140.74	328.9	570.9	393.3	351.5	41.72	9.427	
10,750.0	10,524.7	11,062.3	10,793.0	24.2	12.9	-137.62	363.2	555.5	391.3	349.7	41.54	9.420 SF	
10,775.0	10,531.9	11,026.2	10,785.8	24.2	12.8	-134.52	395.5	540.9	389.9	348.6	41.32	9.436	
10,800.0	10,537.9	10,991.7	10,776.9	24.3	12.7	-131.47	425.8	526.9	389.3	348.2	41.09	9.474 ES	
10,807.7	10,539.5	10,981.4	10,773.9	24.3	12.7	-130.54	434.7	522.8	389.3	348.3	41.02	9.490 CC	
10,825.0	10,542.6	10,958.6	10,766.5	24.3	12.6	-128.44	454.2	513.6	389.5	348.6	40.86	9.533	
10,850.0	10,546.1	10,926.8	10,754.8	24.3	12.6	-125.45	481.0	501.0	390.4	349.8	40.63	9.610	
10,875.0	10,548.2	10,896.1	10,742.0	24.3	12.5	-122.47	506.1	488.9	392.1	351.7	40.40	9.705	
10,898.5	10,549.0	10,868.2	10,729.1	24.4	12.4	-119.70	528.3	478.1	394.5	354.3	40.21	9.810	
10,900.0	10,549.0	10,866.4	10,728.3	24.4	12.4	-119.54	529.7	477.4	394.6	354.4	40.20	9.817	
10,925.0	10,549.3	10,838.1	10,713.9	24.4	12.4	-116.93	551.6	466.6	397.6	357.6	40.01	9.936	
10,950.0	10,549.5	10,811.7	10,699.4	24.4	12.3	-114.39	571.3	456.8	400.8	360.9	39.84	10.058	
10,975.0	10,549.8	10,787.0	10,684.9	24.5	12.3	-111.95	589.2	447.7	404.3	364.6	39.68	10.188	
11,000.0	10,550.0	10,763.9	10,670.7	24.5	12.2	-109.60	605.3	439.4	408.3	368.8	39.53	10.329	
11,025.0	10,550.2	10,742.4	10,656.7	24.6	12.2	-107.37	619.9	431.9	412.9	373.5	39.39	10.483	
11,050.0	10,550.5	10,722.4	10,643.2	24.6	12.2	-105.25	632.9	425.0	418.1	378.8	39.25	10.653	
11,075.0	10,550.7	10,703.7	10,630.2	24.7	12.2	-103.25	644.7	418.8	424.0	384.9	39.10	10.844	
11,100.0	10,551.0	10,686.3	10,617.6	24.7	12.1	-101.36	655.3	413.0	430.6	391.6	38.94	11.057	
11,125.0	10,551.2	10,670.1	10,605.6	24.8	12.1	-99.58	664.9	407.8	438.0	399.2	38.78	11.293	
11,150.0	10,551.5	10,654.9	10,594.1	24.8	12.1	-97.91	673.5	403.1	446.1	407.5	38.61	11.554	
11,175.0	10,551.7	10,640.8	10,583.1	24.9	12.1	-96.34	681.3	398.7	455.0	416.6	38.42	11.843	
11,200.0	10,552.0	10,627.5	10,572.6	24.9	12.1	-94.87	688.4	394.7	464.7	426.5	38.22	12.159	
11,225.0	10,552.2	10,615.1	10,562.6	25.0	12.1	-93.49	694.8	391.0	475.2	437.2	38.02	12.501	
11,250.0	10,552.5	10,603.5	10,553.1	25.0	12.1	-92.19	700.6	387.7	486.5	448.7	37.80	12.871	
11,275.0	10,552.7	10,592.6	10,544.1	25.1	12.1	-90.98	705.9	384.6	498.4	460.9	37.57	13.268	
11,300.0	10,553.0	10,582.3	10,535.5	25.2	12.1	-89.84	710.7	381.7	511.1	473.7	37.33	13.691	
11,325.0	10,553.2	10,572.6	10,527.3	25.2	12.1	-88.77	715.2	379.1	524.4	487.3	37.09	14.139	
11,350.0	10,553.4	10,563.5	10,519.5	25.3	12.1	-87.76	719.2	376.7	538.4	501.5	36.84	14.613	
11,375.0	10,553.7	10,550.0	10,507.8	25.4	12.0	-86.27	725.0	373.1	553.0	516.3	36.63	15.096	
11,400.0	10,553.9	10,550.0	10,507.8	25.4	12.0	-86.27	725.0	373.1	568.1	531.8	36.32	15.642	
11,425.0	10,554.2	10,539.2	10,498.4	25.5	12.0	-85.08	729.4	370.4	583.8	547.7	36.10	16.171	
11,450.0	10,554.4	10,531.9	10,492.0	25.6	12.0	-84.29	732.3	368.5	600.0	564.1	35.86	16.733	
11,475.0	10,554.7	10,525.0	10,485.8	25.6	12.0	-83.54	735.0	366.8	616.7	581.0	35.62	17.314	
11,500.0	10,554.9	10,518.5	10,480.0	25.7	12.0	-82.83	737.4	365.3	633.8	598.4	35.38	17.914	
11,525.0	10,555.2	10,512.3	10,474.4	25.8	12.0	-82.16	739.7	363.8	651.3	616.2	35.15	18.530	
11,550.0	10,555.4	10,500.0	10,463.3	25.9	12.0	-80.84	744.1	360.9	669.3	634.3	34.98	19.133	
11,575.0	10,555.7	10,500.0	10,463.3	26.0	12.0	-80.84	744.1	360.9	687.6	652.9	34.71	19.806	
11,600.0	10,555.9	10,500.0	10,463.3	26.0	12.0	-80.84	744.1	360.9	706.2	671.8	34.46	20.497	
11,625.0	10,556.2	10,490.4	10,454.5	26.1	12.0	-79.81	747.4	358.7	725.2	690.9	34.29	21.147	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,650.0	10,556.4	10,485.5	10,450.0	26.2	12.0	-79.29	749.0	357.6	744.5	710.4	34.10	21.834	
11,675.0	10,556.6	10,480.8	10,445.7	26.3	12.0	-78.80	750.4	356.6	764.0	730.1	33.91	22.534	
11,700.0	10,556.9	10,476.4	10,441.6	26.4	12.0	-78.33	751.8	355.6	783.9	750.1	33.72	23.244	
11,725.0	10,557.1	10,472.1	10,437.7	26.5	12.0	-77.89	753.1	354.7	803.9	770.4	33.55	23.963	
11,750.0	10,557.4	10,468.0	10,433.9	26.6	12.0	-77.46	754.4	353.9	824.2	790.9	33.38	24.692	
11,775.0	10,557.6	10,464.1	10,430.2	26.7	12.0	-77.05	755.5	353.0	844.8	811.5	33.22	25.429	
11,800.0	10,557.9	10,450.0	10,417.0	26.7	12.0	-75.59	759.5	350.1	865.6	832.5	33.15	26.111	
11,825.0	10,558.1	10,450.0	10,417.0	26.8	12.0	-75.59	759.5	350.1	886.5	853.5	32.97	26.884	
11,850.0	10,558.4	10,450.0	10,417.0	26.9	12.0	-75.59	759.5	350.1	907.5	874.7	32.80	27.666	
11,875.0	10,558.6	10,450.0	10,417.0	27.0	12.0	-75.59	759.5	350.1	928.8	896.1	32.64	28.455	
11,900.0	10,558.9	10,450.0	10,417.0	27.1	12.0	-75.59	759.5	350.1	950.2	917.7	32.48	29.251	
11,925.0	10,559.1	10,450.0	10,417.0	27.2	12.0	-75.59	759.5	350.1	971.8	939.5	32.34	30.053	
11,950.0	10,559.4	10,450.0	10,417.0	27.3	12.0	-75.59	759.5	350.1	993.6	961.4	32.20	30.860	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-25.40	782.6	-371.6	866.5				
25.0	25.0	11.3	11.3	0.5	3.0	-25.40	782.6	-371.6	866.3				
50.0	50.0	36.3	36.3	0.5	3.0	-25.40	782.6	-371.6	866.3	861.6	4.73	183.342	
75.0	75.0	61.3	61.3	0.5	3.0	-25.40	782.6	-371.6	866.3	861.6	4.73	183.337	
100.0	100.0	86.3	86.3	0.5	3.0	-25.40	782.6	-371.6	866.3	861.6	4.73	183.330	
125.0	125.0	111.3	111.3	0.6	3.0	-25.40	782.6	-371.6	866.3	861.6	4.76	182.023	
150.0	150.0	136.3	136.3	0.8	3.0	-25.40	782.6	-371.6	866.3	861.5	4.80	180.449	
175.0	175.0	161.3	161.3	0.9	3.0	-25.40	782.6	-371.6	866.3	861.5	4.85	178.636	
200.0	200.0	186.3	186.3	1.0	3.0	-25.40	782.6	-371.6	866.3	861.4	4.91	176.607	
225.0	225.0	211.3	211.3	1.1	3.0	-25.40	782.6	-371.6	866.3	861.4	4.95	175.129	
250.0	250.0	236.3	236.3	1.2	3.0	-25.40	782.6	-371.6	866.3	861.4	4.99	173.569	
275.0	275.0	261.3	261.3	1.3	3.0	-25.40	782.6	-371.6	866.3	861.3	5.04	171.934	
300.0	300.0	286.3	286.3	1.4	3.0	-25.40	782.6	-371.6	866.3	861.3	5.09	170.233	
325.0	325.0	311.3	311.3	1.4	3.0	-25.40	782.6	-371.6	866.3	861.2	5.13	168.777	
350.0	350.0	336.3	336.3	1.5	3.0	-25.40	782.6	-371.6	866.3	861.2	5.18	167.284	
375.0	375.0	361.3	361.3	1.6	3.0	-25.40	782.6	-371.6	866.3	861.1	5.23	165.757	
400.0	400.0	386.3	386.3	1.6	3.0	-25.40	782.6	-371.6	866.3	861.1	5.28	164.202	
425.0	425.0	411.3	411.3	1.7	3.0	-25.40	782.6	-371.6	866.3	861.0	5.32	162.801	
450.0	450.0	436.3	436.3	1.8	3.0	-25.40	782.6	-371.6	866.3	861.0	5.37	161.381	
475.0	475.0	461.3	461.3	1.8	3.0	-25.40	782.6	-371.6	866.3	860.9	5.42	159.947	
500.0	500.0	486.3	486.3	1.9	3.1	-25.40	782.6	-371.6	866.3	860.9	5.47	158.500	
525.0	525.0	511.3	511.3	1.9	3.1	-25.40	782.6	-371.6	866.3	860.8	5.51	157.163	
550.0	550.0	536.3	536.3	2.0	3.1	-25.40	782.6	-371.6	866.3	860.8	5.56	155.818	
575.0	575.0	561.3	561.3	2.1	3.1	-25.40	782.6	-371.6	866.3	860.7	5.61	154.467	
600.0	600.0	586.3	586.3	2.1	3.1	-25.40	782.6	-371.6	866.3	860.7	5.66	153.112	
625.0	625.0	611.3	611.3	2.2	3.1	-25.40	782.6	-371.6	866.3	860.6	5.71	151.841	
650.0	650.0	636.3	636.3	2.2	3.1	-25.40	782.6	-371.6	866.3	860.6	5.75	150.568	
675.0	675.0	661.3	661.3	2.3	3.1	-25.40	782.6	-371.6	866.3	860.5	5.80	149.294	
700.0	700.0	686.3	686.3	2.3	3.1	-25.40	782.6	-371.6	866.3	860.5	5.85	148.021	
725.0	725.0	711.3	711.3	2.4	3.1	-25.40	782.6	-371.6	866.3	860.4	5.90	146.814	
750.0	750.0	736.3	736.3	2.4	3.1	-25.40	782.6	-371.6	866.3	860.4	5.95	145.610	
775.0	775.0	761.3	761.3	2.5	3.1	-25.40	782.6	-371.6	866.3	860.3	6.00	144.408	
800.0	800.0	786.3	786.3	2.5	3.1	-25.40	782.6	-371.6	866.3	860.3	6.05	143.210	
825.0	825.0	811.3	811.3	2.6	3.2	-25.40	782.6	-371.6	866.3	860.2	6.10	142.065	
850.0	850.0	836.3	836.3	2.6	3.2	-25.40	782.6	-371.6	866.3	860.2	6.15	140.925	
875.0	875.0	861.3	861.3	2.6	3.2	-25.40	782.6	-371.6	866.3	860.1	6.20	139.790	
900.0	900.0	886.3	886.3	2.7	3.2	-25.40	782.6	-371.6	866.3	860.1	6.25	138.661	
925.0	925.0	911.3	911.3	2.7	3.2	-25.40	782.6	-371.6	866.3	860.0	6.30	137.576	
950.0	950.0	936.3	936.3	2.8	3.2	-25.40	782.6	-371.6	866.3	860.0	6.35	136.496	
975.0	975.0	961.3	961.3	2.8	3.2	-25.40	782.6	-371.6	866.3	859.9	6.40	135.424	
1,000.0	1,000.0	986.3	986.3	2.9	3.2	-25.40	782.6	-371.6	866.3	859.9	6.45	134.357	
1,025.0	1,025.0	1,011.3	1,011.3	2.9	3.3	-25.40	782.6	-371.6	866.3	859.8	6.50	133.329	
1,050.0	1,050.0	1,036.3	1,036.3	3.0	3.3	-25.40	782.6	-371.6	866.3	859.8	6.55	132.307	
1,075.0	1,075.0	1,061.3	1,061.3	3.0	3.3	-25.40	782.6	-371.6	866.3	859.7	6.60	131.292	
1,100.0	1,100.0	1,086.3	1,086.3	3.0	3.3	-25.40	782.6	-371.6	866.3	859.7	6.65	130.284	
1,125.0	1,125.0	1,111.3	1,111.3	3.1	3.3	-25.40	782.6	-371.6	866.3	859.6	6.70	129.308	
1,150.0	1,150.0	1,136.3	1,136.3	3.1	3.3	-25.40	782.6	-371.6	866.3	859.6	6.75	128.340	
1,175.0	1,175.0	1,161.3	1,161.3	3.2	3.3	-25.40	782.6	-371.6	866.3	859.5	6.80	127.379	
1,200.0	1,200.0	1,186.3	1,186.3	3.2	3.3	-25.40	782.6	-371.6	866.3	859.5	6.85	126.425	
1,225.0	1,225.0	1,211.3	1,211.3	3.2	3.4	-25.40	782.6	-371.6	866.3	859.4	6.90	125.500	
1,250.0	1,250.0	1,236.3	1,236.3	3.3	3.4	-25.40	782.6	-371.6	866.3	859.4	6.95	124.582	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,261.3	1,261.3	3.3	3.4	-25.40	782.6	-371.6	866.3	859.3	7.01	123.671	
1,300.0	1,300.0	1,286.3	1,286.3	3.4	3.4	-25.40	782.6	-371.6	866.3	859.3	7.06	122.768	
1,325.0	1,325.0	1,311.3	1,311.3	3.4	3.4	-25.40	782.6	-371.6	866.3	859.2	7.11	121.889	
1,350.0	1,350.0	1,336.3	1,336.3	3.4	3.4	-25.40	782.6	-371.6	866.3	859.2	7.16	121.018	
1,375.0	1,375.0	1,361.3	1,361.3	3.5	3.5	-25.40	782.6	-371.6	866.3	859.1	7.21	120.154	
1,400.0	1,400.0	1,386.3	1,386.3	3.5	3.5	-25.40	782.6	-371.6	866.3	859.1	7.26	119.297	
1,425.0	1,425.0	1,411.3	1,411.3	3.6	3.5	-25.40	782.6	-371.6	866.3	859.0	7.31	118.463	
1,450.0	1,450.0	1,436.3	1,436.3	3.6	3.5	-25.40	782.6	-371.6	866.3	859.0	7.36	117.635	
1,475.0	1,475.0	1,461.3	1,461.3	3.6	3.5	-25.40	782.6	-371.6	866.3	858.9	7.42	116.815	
1,500.0	1,500.0	1,486.3	1,486.3	3.7	3.5	-25.40	782.6	-371.6	866.3	858.9	7.47	116.002	
1,525.0	1,525.0	1,511.3	1,511.3	3.7	3.6	-25.40	782.6	-371.6	866.3	858.8	7.52	115.209	
1,550.0	1,550.0	1,536.3	1,536.3	3.8	3.6	-25.40	782.6	-371.6	866.3	858.8	7.57	114.422	
1,575.0	1,575.0	1,561.3	1,561.3	3.8	3.6	-25.40	782.6	-371.6	866.3	858.7	7.62	113.643	
1,600.0	1,600.0	1,586.3	1,586.3	3.8	3.6	-25.40	782.6	-371.6	866.3	858.7	7.68	112.871	
1,625.0	1,625.0	1,611.3	1,611.3	3.9	3.6	-25.40	782.6	-371.6	866.3	858.6	7.73	112.116	
1,650.0	1,650.0	1,636.3	1,636.3	3.9	3.6	-25.40	782.6	-371.6	866.3	858.6	7.78	111.367	
1,675.0	1,675.0	1,661.3	1,661.3	3.9	3.7	-25.40	782.6	-371.6	866.3	858.5	7.83	110.626	
1,700.0	1,700.0	1,686.3	1,686.3	4.0	3.7	-25.40	782.6	-371.6	866.3	858.5	7.88	109.892	
1,725.0	1,725.0	1,711.3	1,711.3	4.0	3.7	-25.40	782.6	-371.6	866.3	858.4	7.94	109.173	
1,750.0	1,750.0	1,736.3	1,736.3	4.1	3.7	-25.40	782.6	-371.6	866.3	858.4	7.99	108.461	
1,775.0	1,775.0	1,761.3	1,761.3	4.1	3.7	-25.40	782.6	-371.6	866.3	858.3	8.04	107.755	
1,800.0	1,800.0	1,786.3	1,786.3	4.1	3.8	-25.40	782.6	-371.6	866.3	858.3	8.09	107.056	
1,825.0	1,825.0	1,811.3	1,811.3	4.2	3.8	-25.40	782.6	-371.6	866.3	858.2	8.14	106.371	
1,850.0	1,850.0	1,836.3	1,836.3	4.2	3.8	-25.40	782.6	-371.6	866.3	858.1	8.20	105.692	
1,875.0	1,875.0	1,861.3	1,861.3	4.2	3.8	-25.40	782.6	-371.6	866.3	858.1	8.25	105.020	
1,900.0	1,900.0	1,886.3	1,886.3	4.3	3.8	-25.40	782.6	-371.6	866.3	858.0	8.30	104.354	
1,925.0	1,925.0	1,911.3	1,911.3	4.3	3.9	-25.40	782.6	-371.6	866.3	858.0	8.35	103.700	
1,950.0	1,950.0	1,936.3	1,936.3	4.3	3.9	-25.40	782.6	-371.6	866.3	857.9	8.41	103.053	
1,975.0	1,975.0	1,961.3	1,961.3	4.4	3.9	-25.40	782.6	-371.6	866.3	857.9	8.46	102.412	
2,000.0	2,000.0	1,986.3	1,986.3	4.4	3.9	-25.40	782.6	-371.6	866.3	857.8	8.51	101.777	
2,025.0	2,025.0	2,011.3	2,011.3	4.5	3.9	-25.40	782.6	-371.6	866.3	857.8	8.58	100.947	
2,050.0	2,050.0	2,036.3	2,036.3	4.5	4.0	-25.40	782.6	-371.6	866.3	857.7	8.65	100.128	
2,075.0	2,075.0	2,061.3	2,061.3	4.6	4.0	-25.40	782.6	-371.6	866.3	857.6	8.72	99.320	
2,100.0	2,100.0	2,086.3	2,086.3	4.6	4.0	-25.40	782.6	-371.6	866.3	857.5	8.79	98.522	
2,125.0	2,125.0	2,111.3	2,111.3	4.7	4.0	-25.40	782.6	-371.6	866.3	857.5	8.85	97.850	
2,150.0	2,150.0	2,136.3	2,136.3	4.7	4.1	-25.40	782.6	-371.6	866.3	857.4	8.91	97.185	
2,175.0	2,175.0	2,161.3	2,161.3	4.7	4.1	-25.40	782.6	-371.6	866.3	857.4	8.98	96.527	
2,200.0	2,200.0	2,186.3	2,186.3	4.8	4.1	-25.40	782.6	-371.6	866.3	857.3	9.04	95.877	
2,225.0	2,225.0	2,211.3	2,211.3	4.8	4.1	-25.40	782.6	-371.6	866.3	857.2	9.10	95.245	
2,250.0	2,250.0	2,236.3	2,236.3	4.8	4.1	-25.40	782.6	-371.6	866.3	857.2	9.16	94.619	
2,275.0	2,275.0	2,261.3	2,261.3	4.9	4.2	-25.40	782.6	-371.6	866.3	857.1	9.22	94.001	
2,300.0	2,300.0	2,286.3	2,286.3	4.9	4.2	-25.40	782.6	-371.6	866.3	857.1	9.28	93.389	
2,325.0	2,325.0	2,311.3	2,311.3	5.0	4.2	-25.40	782.6	-371.6	866.3	857.0	9.34	92.793	
2,350.0	2,350.0	2,336.3	2,336.3	5.0	4.2	-25.40	782.6	-371.6	866.3	856.9	9.40	92.204	
2,375.0	2,375.0	2,361.3	2,361.3	5.0	4.3	-25.40	782.6	-371.6	866.3	856.9	9.46	91.620	
2,400.0	2,400.0	2,386.3	2,386.3	5.1	4.3	-25.40	782.6	-371.6	866.3	856.8	9.52	91.043	
2,425.0	2,425.0	2,411.3	2,411.3	5.1	4.3	-25.40	782.6	-371.6	866.3	856.8	9.57	90.480	
2,450.0	2,450.0	2,436.3	2,436.3	5.1	4.3	-25.40	782.6	-371.6	866.3	856.7	9.63	89.924	
2,475.0	2,475.0	2,461.3	2,461.3	5.2	4.4	-25.40	782.6	-371.6	866.3	856.6	9.69	89.372	
2,500.0	2,500.0	2,486.3	2,486.3	5.2	4.4	-25.40	782.6	-371.6	866.3	856.6	9.75	88.827 CC	
2,525.0	2,525.0	2,511.3	2,511.3	5.3	4.4	-108.26	782.6	-371.6	866.4	856.6	9.82	88.267 ES	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,550.0	2,536.3	2,536.3	5.3	4.4	-108.28	782.6	-371.6	866.5	856.6	9.88	87.733	
2,575.0	2,575.0	2,561.3	2,561.3	5.3	4.5	-108.31	782.6	-371.6	866.7	856.7	9.94	87.224	
2,600.0	2,600.0	2,586.3	2,586.3	5.4	4.5	-108.35	782.6	-371.6	866.9	856.9	9.99	86.739	
2,625.0	2,625.0	2,611.3	2,611.3	5.4	4.5	-108.41	782.6	-371.6	867.2	857.1	10.05	86.258	
2,650.0	2,649.9	2,636.2	2,636.2	5.4	4.5	-108.47	782.6	-371.6	867.6	857.5	10.11	85.794	
2,675.0	2,674.9	2,661.2	2,661.2	5.5	4.6	-108.55	782.6	-371.6	868.0	857.9	10.17	85.344	
2,700.0	2,699.8	2,686.1	2,686.1	5.5	4.6	-108.65	782.6	-371.6	868.6	858.3	10.23	84.909	
2,725.0	2,724.8	2,711.1	2,711.1	5.5	4.6	-108.75	782.6	-371.6	869.1	858.9	10.29	84.481	
2,750.0	2,749.7	2,736.0	2,736.0	5.6	4.6	-108.87	782.6	-371.6	869.8	859.5	10.35	84.066	
2,775.0	2,774.6	2,760.9	2,760.9	5.6	4.7	-109.00	782.6	-371.6	870.6	860.2	10.41	83.666	
2,800.0	2,799.5	2,785.8	2,785.8	5.7	4.7	-109.13	782.6	-371.6	871.4	860.9	10.46	83.279	
2,825.0	2,824.3	2,810.6	2,810.6	5.7	4.7	-109.29	782.6	-371.6	872.3	861.8	10.52	82.896	
2,850.0	2,849.1	2,835.4	2,835.4	5.7	4.7	-109.45	782.6	-371.6	873.3	862.7	10.58	82.526	
2,875.0	2,873.9	2,860.2	2,860.2	5.8	4.8	-109.62	782.6	-371.6	874.3	863.7	10.64	82.168	
2,900.0	2,898.7	2,885.0	2,885.0	5.9	4.8	-109.81	782.6	-371.6	875.5	864.8	10.70	81.824	
2,925.0	2,923.4	2,909.7	2,909.7	5.9	4.8	-110.00	782.6	-371.6	876.7	865.9	10.76	81.480	
2,950.0	2,948.2	2,934.5	2,934.5	6.0	4.8	-110.21	782.6	-371.6	878.0	867.2	10.82	81.148	
2,975.0	2,972.8	2,959.1	2,959.1	6.1	4.9	-110.42	782.6	-371.6	879.4	868.6	10.88	80.828	
3,000.0	2,997.5	2,983.8	2,983.8	6.1	4.9	-110.65	782.6	-371.6	880.9	870.0	10.94	80.520	
3,025.0	3,022.1	3,008.4	3,008.4	6.2	4.9	-110.89	782.6	-371.6	882.5	871.5	11.00	80.209	
3,050.0	3,046.6	3,032.9	3,032.9	6.3	4.9	-111.13	782.6	-371.6	884.2	873.2	11.07	79.909	
3,075.0	3,071.1	3,057.4	3,057.4	6.4	5.0	-111.39	782.6	-371.6	886.0	874.9	11.13	79.621	
3,100.0	3,095.6	3,081.9	3,081.9	6.5	5.0	-111.65	782.6	-371.6	887.9	876.7	11.19	79.344	
3,125.0	3,120.1	3,106.4	3,106.4	6.5	5.0	-111.96	782.6	-371.6	889.9	878.7	11.25	79.080	
3,150.0	3,144.5	3,130.8	3,130.8	6.6	5.0	-112.26	782.6	-371.6	891.9	880.6	11.32	78.819	
3,175.0	3,169.0	3,155.3	3,155.3	6.7	5.1	-112.57	782.6	-371.6	893.9	882.5	11.38	78.562	
3,200.0	3,193.4	3,179.7	3,179.7	6.8	5.1	-112.87	782.6	-371.6	896.0	884.5	11.44	78.308	
3,225.0	3,217.9	3,204.2	3,204.2	6.8	5.1	-113.17	782.6	-371.6	898.0	886.5	11.51	78.044	
3,250.0	3,242.3	3,228.6	3,228.6	6.9	5.1	-113.47	782.6	-371.6	900.1	888.6	11.57	77.783	
3,275.0	3,266.8	3,253.1	3,253.1	7.0	5.2	-113.76	782.6	-371.6	902.3	890.6	11.64	77.526	
3,300.0	3,291.3	3,277.6	3,277.6	7.1	5.2	-114.06	782.6	-371.6	904.4	892.7	11.70	77.271	
3,325.0	3,315.7	3,302.0	3,302.0	7.1	5.2	-114.35	782.6	-371.6	906.6	894.8	11.77	77.006	
3,350.0	3,340.2	3,326.5	3,326.5	7.2	5.2	-114.65	782.6	-371.6	908.8	896.9	11.84	76.743	
3,375.0	3,364.6	3,350.9	3,350.9	7.3	5.3	-114.94	782.6	-371.6	911.0	899.1	11.91	76.484	
3,400.0	3,389.1	3,375.4	3,375.4	7.4	5.3	-115.23	782.6	-371.6	913.2	901.2	11.98	76.227	
3,425.0	3,413.5	3,399.8	3,399.8	7.5	5.3	-115.52	782.6	-371.6	915.5	903.4	12.05	75.961	
3,450.0	3,438.0	3,424.3	3,424.3	7.5	5.4	-115.80	782.6	-371.6	917.8	905.7	12.12	75.697	
3,475.0	3,462.4	3,448.7	3,448.7	7.6	5.4	-116.09	782.6	-371.6	920.1	907.9	12.20	75.435	
3,500.0	3,486.9	3,473.2	3,473.2	7.7	5.4	-116.38	782.6	-371.6	922.4	910.2	12.27	75.177	
3,525.0	3,511.3	3,497.6	3,497.6	7.8	5.4	-116.66	782.6	-371.6	924.8	912.5	12.35	74.909	
3,550.0	3,535.8	3,522.1	3,522.1	7.9	5.5	-116.94	782.6	-371.6	927.2	914.8	12.42	74.644	
3,575.0	3,560.2	3,546.5	3,546.5	8.0	5.5	-117.22	782.6	-371.6	929.6	917.1	12.50	74.381	
3,600.0	3,584.7	3,571.0	3,571.0	8.1	5.5	-117.50	782.6	-371.6	932.0	919.5	12.57	74.121	
3,625.0	3,609.2	3,595.5	3,595.5	8.1	5.5	-117.78	782.6	-371.6	934.5	921.8	12.65	73.852	
3,650.0	3,633.6	3,619.9	3,619.9	8.2	5.6	-118.06	782.6	-371.6	937.0	924.2	12.73	73.586	
3,675.0	3,658.1	3,644.4	3,644.4	8.3	5.6	-118.33	782.6	-371.6	939.5	926.6	12.81	73.322	
3,700.0	3,682.5	3,668.8	3,668.8	8.4	5.6	-118.60	782.6	-371.6	942.0	929.1	12.89	73.060	
3,725.0	3,707.0	3,693.3	3,693.3	8.5	5.6	-118.88	782.6	-371.6	944.5	931.5	12.98	72.791	
3,750.0	3,731.4	3,717.7	3,717.7	8.6	5.7	-119.15	782.6	-371.6	947.1	934.0	13.06	72.524	
3,775.0	3,755.9	3,742.2	3,742.2	8.7	5.7	-119.42	782.6	-371.6	949.7	936.5	13.14	72.259	
3,800.0	3,780.3	3,766.6	3,766.6	8.8	5.7	-119.68	782.6	-371.6	952.3	939.0	13.23	71.997	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	3,804.8	3,791.1	3,791.1	8.9	5.8	-119.95	782.6	-371.6	954.9	941.6	13.31	71.728	
3,850.0	3,829.2	3,815.5	3,815.5	9.0	5.8	-120.22	782.6	-371.6	957.5	944.1	13.40	71.461	
3,875.0	3,853.7	3,840.0	3,840.0	9.1	5.8	-120.48	782.6	-371.6	960.2	946.7	13.49	71.196	
3,900.0	3,878.1	3,864.4	3,864.4	9.2	5.8	-120.74	782.6	-371.6	962.9	949.3	13.57	70.933	
3,925.0	3,902.6	3,888.9	3,888.9	9.3	5.9	-121.00	782.6	-371.6	965.6	952.0	13.66	70.665	
3,950.0	3,927.1	3,913.4	3,913.4	9.4	5.9	-121.26	782.6	-371.6	968.3	954.6	13.76	70.399	
3,975.0	3,951.5	3,937.8	3,937.8	9.5	5.9	-121.52	782.6	-371.6	971.1	957.3	13.85	70.135	
4,000.0	3,976.0	3,962.3	3,962.3	9.6	6.0	-121.78	782.6	-371.6	973.9	959.9	13.94	69.872	
4,025.0	4,000.4	3,986.7	3,986.7	9.7	6.0	-122.03	782.6	-371.6	976.7	962.6	14.03	69.606	
4,050.0	4,024.9	4,011.2	4,011.2	9.8	6.0	-122.29	782.6	-371.6	979.5	965.3	14.13	69.341	
4,075.0	4,049.3	4,035.6	4,035.6	9.9	6.0	-122.54	782.6	-371.6	982.3	968.1	14.22	69.078	
4,100.0	4,073.8	4,060.1	4,060.1	10.0	6.1	-122.79	782.6	-371.6	985.1	970.8	14.32	68.817	
4,125.0	4,098.2	4,084.5	4,084.5	10.1	6.1	-123.04	782.6	-371.6	988.0	973.6	14.41	68.552	
4,150.0	4,122.7	4,109.0	4,109.0	10.2	6.1	-123.29	782.6	-371.6	990.9	976.4	14.51	68.289	
4,175.0	4,147.1	4,133.4	4,133.4	10.3	6.1	-123.53	782.6	-371.6	993.8	979.2	14.61	68.028	
4,200.0	4,171.6	4,157.9	4,157.9	10.4	6.2	-123.78	782.6	-371.6	996.7	982.0	14.71	67.769	
4,225.0	4,196.0	4,182.3	4,182.3	10.5	6.2	-124.02	782.6	-371.6	999.7	984.9	14.81	67.507	
10,425.0	10,328.9	11,335.5	10,778.5	24.1	13.5	-106.16	170.6	-61.2	994.6	954.9	39.76	25.019	
10,450.0	10,349.6	11,321.3	10,778.6	24.1	13.4	-106.63	184.8	-61.3	985.2	945.6	39.63	24.861	
10,475.0	10,369.6	11,306.1	10,778.7	24.1	13.4	-106.97	200.0	-61.3	976.5	937.0	39.50	24.722	
10,500.0	10,388.7	11,289.9	10,778.8	24.1	13.4	-107.21	216.2	-61.4	968.5	929.1	39.37	24.597	
10,525.0	10,406.9	11,272.6	10,778.9	24.1	13.4	-107.35	233.4	-61.5	961.2	921.9	39.25	24.488	
10,550.0	10,424.3	11,254.5	10,779.1	24.1	13.3	-107.41	251.6	-61.6	954.4	915.3	39.13	24.394	
10,575.0	10,440.6	11,235.5	10,779.2	24.1	13.3	-107.40	270.6	-61.7	948.4	909.4	39.00	24.314	
10,600.0	10,456.0	11,215.6	10,779.3	24.1	13.3	-107.32	290.4	-61.8	942.9	904.0	38.89	24.247	
10,625.0	10,470.3	11,195.0	10,779.5	24.1	13.3	-107.20	311.0	-61.9	938.0	899.2	38.77	24.190	
10,650.0	10,483.5	11,173.7	10,779.6	24.1	13.2	-107.05	332.4	-62.0	933.6	895.0	38.67	24.143	
10,675.0	10,495.5	11,151.7	10,779.8	24.2	13.2	-106.86	354.3	-62.1	929.8	891.2	38.57	24.105	
10,700.0	10,506.4	11,129.2	10,780.0	24.2	13.2	-106.67	376.9	-62.2	926.5	888.0	38.48	24.075	
10,725.0	10,516.2	11,094.9	10,779.5	24.2	13.2	-106.19	411.2	-62.4	923.6	885.2	38.33	24.095	
10,750.0	10,524.7	11,057.9	10,776.7	24.2	13.1	-105.60	448.1	-62.7	920.7	882.6	38.16	24.129	
10,775.0	10,531.9	11,022.2	10,771.8	24.2	13.1	-105.00	483.4	-63.2	918.0	880.0	38.00	24.160	
10,800.0	10,537.9	10,987.6	10,764.9	24.3	13.1	-104.39	517.3	-63.8	915.4	877.6	37.85	24.189	
10,825.0	10,542.6	10,954.1	10,756.4	24.3	13.0	-103.78	549.7	-64.5	913.0	875.3	37.71	24.214	
10,850.0	10,546.1	10,921.6	10,746.3	24.3	13.0	-103.15	580.5	-65.2	910.8	873.2	37.59	24.232	
10,875.0	10,548.2	10,890.1	10,734.8	24.3	13.0	-102.52	609.9	-66.1	908.8	871.3	37.48	24.246	
10,898.5	10,549.0	10,861.2	10,722.9	24.4	12.9	-101.93	636.2	-66.9	907.0	869.6	37.40	24.253	
10,900.0	10,549.0	10,859.4	10,722.1	24.4	12.9	-101.88	637.8	-66.9	906.9	869.5	37.39	24.254	
10,925.0	10,549.3	10,830.0	10,708.6	24.4	12.9	-101.01	663.9	-67.9	905.1	867.8	37.33	24.247	
10,950.0	10,549.5	10,802.2	10,694.5	24.4	12.9	-100.11	687.9	-68.8	903.4	866.1	37.28	24.231	
10,975.0	10,549.8	10,776.0	10,680.3	24.5	12.8	-99.19	709.9	-69.8	901.7	864.4	37.25	24.204	
11,000.0	10,550.0	10,751.3	10,666.0	24.5	12.8	-98.27	729.9	-70.8	900.0	862.8	37.24	24.172	
11,025.0	10,550.2	10,728.2	10,651.8	24.6	12.8	-97.35	748.1	-71.7	898.6	861.4	37.24	24.127	
11,050.0	10,550.5	10,706.6	10,637.8	24.6	12.8	-96.45	764.7	-72.6	897.4	860.1	37.27	24.080	
11,075.0	10,550.7	10,686.3	10,624.2	24.7	12.7	-95.57	779.7	-73.5	896.4	859.1	37.30	24.032	
11,100.0	10,551.0	10,667.3	10,611.0	24.7	12.7	-94.71	793.2	-74.3	895.7	858.4	37.35	23.985	
11,125.0	10,551.2	10,649.5	10,598.2	24.8	12.7	-93.88	805.6	-75.2	895.4	858.0	37.41	23.938	
11,134.6	10,551.3	10,643.0	10,593.4	24.8	12.7	-93.57	810.0	-75.5	895.4	857.9	37.43	23.921	
11,150.0	10,551.5	10,632.8	10,585.9	24.8	12.7	-93.08	816.7	-76.0	895.5	858.0	37.47	23.896	
11,175.0	10,551.7	10,617.2	10,574.0	24.9	12.7	-92.32	826.9	-76.7	895.9	858.4	37.55	23.862	
11,200.0	10,552.0	10,602.6	10,562.7	24.9	12.7	-91.59	836.1	-77.4	896.8	859.2	37.62	23.839	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,225.0	10,552.2	10,588.9	10,551.9	25.0	12.7	-90.89	844.5	-78.1	898.1	860.4	37.70	23.822	
11,250.0	10,552.5	10,576.0	10,541.5	25.0	12.6	-90.22	852.1	-78.8	899.9	862.1	37.78	23.818 SF	
11,275.0	10,552.7	10,563.9	10,531.6	25.1	12.6	-89.58	859.0	-79.4	902.2	864.4	37.86	23.829	
11,300.0	10,553.0	10,550.0	10,520.1	25.2	12.6	-88.84	866.8	-80.1	905.0	867.1	37.93	23.861	
11,325.0	10,553.2	10,541.8	10,513.2	25.2	12.6	-88.40	871.2	-80.5	908.3	870.3	38.02	23.894	
11,350.0	10,553.4	10,531.7	10,504.6	25.3	12.6	-87.85	876.5	-81.1	912.2	874.1	38.09	23.949	
11,375.0	10,553.7	10,522.1	10,496.4	25.4	12.6	-87.33	881.4	-81.6	916.6	878.4	38.15	24.023	
11,400.0	10,553.9	10,513.1	10,488.6	25.4	12.6	-86.83	885.9	-82.1	921.5	883.2	38.21	24.115	
11,425.0	10,554.2	10,500.0	10,477.1	25.5	12.6	-86.10	892.2	-82.8	926.9	888.7	38.26	24.226	
11,450.0	10,554.4	10,500.0	10,477.1	25.6	12.6	-86.10	892.2	-82.8	932.9	894.6	38.32	24.345	
11,475.0	10,554.7	10,488.9	10,467.2	25.6	12.6	-85.48	897.3	-83.4	939.4	901.0	38.35	24.493	
11,500.0	10,554.9	10,481.6	10,460.7	25.7	12.6	-85.07	900.6	-83.8	946.4	908.0	38.38	24.657	
11,525.0	10,555.2	10,474.7	10,454.5	25.8	12.6	-84.68	903.6	-84.2	954.0	915.5	38.41	24.837	
11,550.0	10,555.4	10,468.1	10,448.6	25.9	12.6	-84.31	906.4	-84.6	962.0	923.6	38.43	25.035	
11,575.0	10,555.7	10,461.9	10,443.0	26.0	12.6	-83.95	908.9	-84.9	970.6	932.2	38.43	25.253	
11,600.0	10,555.9	10,450.0	10,432.1	26.0	12.6	-83.27	913.7	-85.6	979.7	941.3	38.44	25.489	
11,625.0	10,556.2	10,450.0	10,432.1	26.1	12.6	-83.27	913.7	-85.6	989.3	950.8	38.43	25.742	
11,650.0	10,556.4	10,450.0	10,432.1	26.2	12.6	-83.27	913.7	-85.6	999.3	960.9	38.41	26.016	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	3.0	-27.17	782.4	-401.6	879.6				
25.0	25.0	10.9	10.9	0.5	3.0	-27.17	782.4	-401.6	879.4				
50.0	50.0	35.9	35.9	0.5	3.0	-27.17	782.4	-401.6	879.4	874.7	4.73	186.117	
75.0	75.0	60.9	60.9	0.5	3.0	-27.17	782.4	-401.6	879.4	874.7	4.73	186.112	
100.0	100.0	85.9	85.9	0.5	3.0	-27.17	782.4	-401.6	879.4	874.7	4.73	186.106	
125.0	125.0	110.9	110.9	0.6	3.0	-27.17	782.4	-401.6	879.4	874.7	4.76	184.780	
150.0	150.0	135.9	135.9	0.8	3.0	-27.17	782.4	-401.6	879.4	874.6	4.80	183.185	
175.0	175.0	160.9	160.9	0.9	3.0	-27.17	782.4	-401.6	879.4	874.6	4.85	181.347	
200.0	200.0	185.9	185.9	1.0	3.0	-27.17	782.4	-401.6	879.4	874.5	4.91	179.291	
225.0	225.0	210.9	210.9	1.1	3.0	-27.17	782.4	-401.6	879.4	874.5	4.95	177.794	
250.0	250.0	235.9	235.9	1.2	3.0	-27.17	782.4	-401.6	879.4	874.5	4.99	176.214	
275.0	275.0	260.9	260.9	1.3	3.0	-27.17	782.4	-401.6	879.4	874.4	5.04	174.558	
300.0	300.0	285.9	285.9	1.4	3.0	-27.17	782.4	-401.6	879.4	874.4	5.09	172.836	
325.0	325.0	310.9	310.9	1.4	3.0	-27.17	782.4	-401.6	879.4	874.3	5.13	171.363	
350.0	350.0	335.9	335.9	1.5	3.0	-27.17	782.4	-401.6	879.4	874.3	5.18	169.853	
375.0	375.0	360.9	360.9	1.6	3.0	-27.17	782.4	-401.6	879.4	874.2	5.23	168.308	
400.0	400.0	385.9	385.9	1.6	3.0	-27.17	782.4	-401.6	879.4	874.2	5.27	166.734	
425.0	425.0	410.9	410.9	1.7	3.0	-27.17	782.4	-401.6	879.4	874.1	5.32	165.318	
450.0	450.0	435.9	435.9	1.8	3.0	-27.17	782.4	-401.6	879.4	874.1	5.37	163.883	
475.0	475.0	460.9	460.9	1.8	3.0	-27.17	782.4	-401.6	879.4	874.0	5.41	162.433	
500.0	500.0	485.9	485.9	1.9	3.1	-27.17	782.4	-401.6	879.4	874.0	5.46	160.970	
525.0	525.0	510.9	510.9	1.9	3.1	-27.17	782.4	-401.6	879.4	873.9	5.51	159.618	
550.0	550.0	535.9	535.9	2.0	3.1	-27.17	782.4	-401.6	879.4	873.9	5.56	158.259	
575.0	575.0	560.9	560.9	2.1	3.1	-27.17	782.4	-401.6	879.4	873.8	5.61	156.894	
600.0	600.0	585.9	585.9	2.1	3.1	-27.17	782.4	-401.6	879.4	873.8	5.65	155.525	
625.0	625.0	610.9	610.9	2.2	3.1	-27.17	782.4	-401.6	879.4	873.7	5.70	154.241	
650.0	650.0	635.9	635.9	2.2	3.1	-27.17	782.4	-401.6	879.4	873.7	5.75	152.954	
675.0	675.0	660.9	660.9	2.3	3.1	-27.17	782.4	-401.6	879.4	873.7	5.80	151.668	
700.0	700.0	685.9	685.9	2.3	3.1	-27.17	782.4	-401.6	879.4	873.6	5.85	150.382	
725.0	725.0	710.9	710.9	2.4	3.1	-27.17	782.4	-401.6	879.4	873.6	5.90	149.163	
750.0	750.0	735.9	735.9	2.4	3.1	-27.17	782.4	-401.6	879.4	873.5	5.94	147.946	
775.0	775.0	760.9	760.9	2.5	3.1	-27.17	782.4	-401.6	879.4	873.5	5.99	146.732	
800.0	800.0	785.9	785.9	2.5	3.1	-27.17	782.4	-401.6	879.4	873.4	6.04	145.522	
825.0	825.0	810.9	810.9	2.6	3.2	-27.17	782.4	-401.6	879.4	873.4	6.09	144.366	
850.0	850.0	835.9	835.9	2.6	3.2	-27.17	782.4	-401.6	879.4	873.3	6.14	143.215	
875.0	875.0	860.9	860.9	2.6	3.2	-27.17	782.4	-401.6	879.4	873.3	6.19	142.069	
900.0	900.0	885.9	885.9	2.7	3.2	-27.17	782.4	-401.6	879.4	873.2	6.24	140.928	
925.0	925.0	910.9	910.9	2.7	3.2	-27.17	782.4	-401.6	879.4	873.2	6.29	139.832	
950.0	950.0	935.9	935.9	2.8	3.2	-27.17	782.4	-401.6	879.4	873.1	6.34	138.742	
975.0	975.0	960.9	960.9	2.8	3.2	-27.17	782.4	-401.6	879.4	873.1	6.39	137.659	
1,000.0	1,000.0	985.9	985.9	2.9	3.2	-27.17	782.4	-401.6	879.4	873.0	6.44	136.582	
1,025.0	1,025.0	1,010.9	1,010.9	2.9	3.2	-27.17	782.4	-401.6	879.4	873.0	6.49	135.543	
1,050.0	1,050.0	1,035.9	1,035.9	3.0	3.3	-27.17	782.4	-401.6	879.4	872.9	6.54	134.511	
1,075.0	1,075.0	1,060.9	1,060.9	3.0	3.3	-27.17	782.4	-401.6	879.4	872.9	6.59	133.486	
1,100.0	1,100.0	1,085.9	1,085.9	3.0	3.3	-27.17	782.4	-401.6	879.4	872.8	6.64	132.468	
1,125.0	1,125.0	1,110.9	1,110.9	3.1	3.3	-27.17	782.4	-401.6	879.4	872.8	6.69	131.483	
1,150.0	1,150.0	1,135.9	1,135.9	3.1	3.3	-27.17	782.4	-401.6	879.4	872.7	6.74	130.505	
1,175.0	1,175.0	1,160.9	1,160.9	3.2	3.3	-27.17	782.4	-401.6	879.4	872.7	6.79	129.534	
1,200.0	1,200.0	1,185.9	1,185.9	3.2	3.3	-27.17	782.4	-401.6	879.4	872.6	6.84	128.571	
1,225.0	1,225.0	1,210.9	1,210.9	3.2	3.4	-27.17	782.4	-401.6	879.4	872.6	6.89	127.637	
1,250.0	1,250.0	1,235.9	1,235.9	3.3	3.4	-27.17	782.4	-401.6	879.4	872.5	6.94	126.709	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,260.9	1,260.9	3.3	3.4	-27.17	782.4	-401.6	879.4	872.5	6.99	125.789	
1,300.0	1,300.0	1,285.9	1,285.9	3.4	3.4	-27.17	782.4	-401.6	879.4	872.4	7.04	124.877	
1,325.0	1,325.0	1,310.9	1,310.9	3.4	3.4	-27.17	782.4	-401.6	879.4	872.4	7.09	123.989	
1,350.0	1,350.0	1,335.9	1,335.9	3.4	3.4	-27.17	782.4	-401.6	879.4	872.3	7.14	123.109	
1,375.0	1,375.0	1,360.9	1,360.9	3.5	3.5	-27.17	782.4	-401.6	879.4	872.3	7.19	122.236	
1,400.0	1,400.0	1,385.9	1,385.9	3.5	3.5	-27.17	782.4	-401.6	879.4	872.2	7.25	121.371	
1,425.0	1,425.0	1,410.9	1,410.9	3.6	3.5	-27.17	782.4	-401.6	879.4	872.2	7.30	120.528	
1,450.0	1,450.0	1,435.9	1,435.9	3.6	3.5	-27.17	782.4	-401.6	879.4	872.1	7.35	119.692	
1,475.0	1,475.0	1,460.9	1,460.9	3.6	3.5	-27.17	782.4	-401.6	879.4	872.1	7.40	118.863	
1,500.0	1,500.0	1,485.9	1,485.9	3.7	3.5	-27.17	782.4	-401.6	879.4	872.0	7.45	118.042	
1,525.0	1,525.0	1,510.9	1,510.9	3.7	3.6	-27.17	782.4	-401.6	879.4	871.9	7.50	117.240	
1,550.0	1,550.0	1,535.9	1,535.9	3.8	3.6	-27.17	782.4	-401.6	879.4	871.9	7.55	116.446	
1,575.0	1,575.0	1,560.9	1,560.9	3.8	3.6	-27.17	782.4	-401.6	879.4	871.8	7.60	115.658	
1,600.0	1,600.0	1,585.9	1,585.9	3.8	3.6	-27.17	782.4	-401.6	879.4	871.8	7.66	114.877	
1,625.0	1,625.0	1,610.9	1,610.9	3.9	3.6	-27.17	782.4	-401.6	879.4	871.7	7.71	114.114	
1,650.0	1,650.0	1,635.9	1,635.9	3.9	3.6	-27.17	782.4	-401.6	879.4	871.7	7.76	113.358	
1,675.0	1,675.0	1,660.9	1,660.9	3.9	3.7	-27.17	782.4	-401.6	879.4	871.6	7.81	112.609	
1,700.0	1,700.0	1,685.9	1,685.9	4.0	3.7	-27.17	782.4	-401.6	879.4	871.6	7.86	111.867	
1,725.0	1,725.0	1,710.9	1,710.9	4.0	3.7	-27.17	782.4	-401.6	879.4	871.5	7.91	111.140	
1,750.0	1,750.0	1,735.9	1,735.9	4.1	3.7	-27.17	782.4	-401.6	879.4	871.5	7.96	110.420	
1,775.0	1,775.0	1,760.9	1,760.9	4.1	3.7	-27.17	782.4	-401.6	879.4	871.4	8.02	109.707	
1,800.0	1,800.0	1,785.9	1,785.9	4.1	3.8	-27.17	782.4	-401.6	879.4	871.4	8.07	109.000	
1,825.0	1,825.0	1,810.9	1,810.9	4.2	3.8	-27.17	782.4	-401.6	879.4	871.3	8.12	108.307	
1,850.0	1,850.0	1,835.9	1,835.9	4.2	3.8	-27.17	782.4	-401.6	879.4	871.3	8.17	107.621	
1,875.0	1,875.0	1,860.9	1,860.9	4.2	3.8	-27.17	782.4	-401.6	879.4	871.2	8.22	106.941	
1,900.0	1,900.0	1,885.9	1,885.9	4.3	3.8	-27.17	782.4	-401.6	879.4	871.2	8.28	106.268	
1,925.0	1,925.0	1,910.9	1,910.9	4.3	3.9	-27.17	782.4	-401.6	879.4	871.1	8.33	105.607	
1,950.0	1,950.0	1,935.9	1,935.9	4.3	3.9	-27.17	782.4	-401.6	879.4	871.1	8.38	104.953	
1,975.0	1,975.0	1,960.9	1,960.9	4.4	3.9	-27.17	782.4	-401.6	879.4	871.0	8.43	104.304	
2,000.0	2,000.0	1,985.9	1,985.9	4.4	3.9	-27.17	782.4	-401.6	879.4	871.0	8.48	103.662	
2,025.0	2,025.0	2,010.9	2,010.9	4.5	3.9	-27.17	782.4	-401.6	879.4	870.9	8.55	102.817	
2,050.0	2,050.0	2,035.9	2,035.9	4.5	4.0	-27.17	782.4	-401.6	879.4	870.8	8.62	101.984	
2,075.0	2,075.0	2,060.9	2,060.9	4.6	4.0	-27.17	782.4	-401.6	879.4	870.8	8.69	101.161	
2,100.0	2,100.0	2,085.9	2,085.9	4.6	4.0	-27.17	782.4	-401.6	879.4	870.7	8.76	100.350	
2,125.0	2,125.0	2,110.9	2,110.9	4.7	4.0	-27.17	782.4	-401.6	879.4	870.6	8.82	99.664	
2,150.0	2,150.0	2,135.9	2,135.9	4.7	4.1	-27.17	782.4	-401.6	879.4	870.6	8.88	98.987	
2,175.0	2,175.0	2,160.9	2,160.9	4.7	4.1	-27.17	782.4	-401.6	879.4	870.5	8.95	98.316	
2,200.0	2,200.0	2,185.9	2,185.9	4.8	4.1	-27.17	782.4	-401.6	879.4	870.4	9.01	97.653	
2,225.0	2,225.0	2,210.9	2,210.9	4.8	4.1	-27.17	782.4	-401.6	879.4	870.4	9.07	97.009	
2,250.0	2,250.0	2,235.9	2,235.9	4.8	4.1	-27.17	782.4	-401.6	879.4	870.3	9.13	96.372	
2,275.0	2,275.0	2,260.9	2,260.9	4.9	4.2	-27.17	782.4	-401.6	879.4	870.3	9.19	95.741	
2,300.0	2,300.0	2,285.9	2,285.9	4.9	4.2	-27.17	782.4	-401.6	879.4	870.2	9.25	95.118	
2,325.0	2,325.0	2,310.9	2,310.9	5.0	4.2	-27.17	782.4	-401.6	879.4	870.1	9.31	94.511	
2,350.0	2,350.0	2,335.9	2,335.9	5.0	4.2	-27.17	782.4	-401.6	879.4	870.1	9.36	93.910	
2,375.0	2,375.0	2,360.9	2,360.9	5.0	4.3	-27.17	782.4	-401.6	879.4	870.0	9.42	93.316	
2,400.0	2,400.0	2,385.9	2,385.9	5.1	4.3	-27.17	782.4	-401.6	879.4	870.0	9.48	92.728	
2,425.0	2,425.0	2,410.9	2,410.9	5.1	4.3	-27.17	782.4	-401.6	879.4	869.9	9.54	92.154	
2,450.0	2,450.0	2,435.9	2,435.9	5.1	4.3	-27.17	782.4	-401.6	879.4	869.8	9.60	91.587	
2,475.0	2,475.0	2,460.9	2,460.9	5.2	4.4	-27.17	782.4	-401.6	879.4	869.8	9.66	91.026	
2,500.0	2,500.0	2,485.9	2,485.9	5.2	4.4	-27.17	782.4	-401.6	879.4	869.7	9.72	90.470 CC	
2,525.0	2,525.0	2,510.9	2,510.9	5.3	4.4	-110.03	782.4	-401.6	879.5	869.7	9.78	89.894 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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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
2,550.0	2,550.0	2,535.9	2,535.9	5.3	4.4	-110.05	782.4	-401.6	879.6	869.8	9.84	89.346	
2,575.0	2,575.0	2,560.9	2,560.9	5.3	4.5	-110.08	782.4	-401.6	879.8	869.9	9.90	88.825	
2,600.0	2,600.0	2,585.9	2,585.9	5.4	4.5	-110.12	782.4	-401.6	880.0	870.1	9.96	88.329	
2,625.0	2,625.0	2,610.9	2,610.9	5.4	4.5	-110.17	782.4	-401.6	880.4	870.4	10.02	87.838	
2,650.0	2,649.9	2,635.8	2,635.8	5.4	4.5	-110.24	782.4	-401.6	880.8	870.7	10.08	87.363	
2,675.0	2,674.9	2,660.8	2,660.8	5.5	4.6	-110.32	782.4	-401.6	881.3	871.2	10.14	86.904	
2,700.0	2,699.8	2,685.7	2,685.7	5.5	4.6	-110.40	782.4	-401.6	881.9	871.7	10.20	86.460	
2,725.0	2,724.8	2,710.7	2,710.7	5.5	4.6	-110.50	782.4	-401.6	882.5	872.3	10.26	86.024	
2,750.0	2,749.7	2,735.6	2,735.6	5.6	4.6	-110.62	782.4	-401.6	883.2	872.9	10.32	85.601	
2,775.0	2,774.6	2,760.5	2,760.5	5.6	4.7	-110.74	782.4	-401.6	884.1	873.7	10.38	85.194	
2,800.0	2,799.5	2,785.4	2,785.4	5.7	4.7	-110.87	782.4	-401.6	884.9	874.5	10.44	84.800	
2,825.0	2,824.3	2,810.2	2,810.2	5.7	4.7	-111.02	782.4	-401.6	885.9	875.4	10.50	84.411	
2,850.0	2,849.1	2,835.0	2,835.0	5.7	4.7	-111.17	782.4	-401.6	887.0	876.4	10.56	84.034	
2,875.0	2,873.9	2,859.8	2,859.8	5.8	4.8	-111.34	782.4	-401.6	888.1	877.5	10.61	83.672	
2,900.0	2,898.7	2,884.6	2,884.6	5.9	4.8	-111.52	782.4	-401.6	889.4	878.7	10.67	83.322	
2,925.0	2,923.4	2,909.3	2,909.3	5.9	4.8	-111.71	782.4	-401.6	890.7	880.0	10.74	82.973	
2,950.0	2,948.2	2,934.1	2,934.1	6.0	4.8	-111.91	782.4	-401.6	892.1	881.3	10.80	82.636	
2,975.0	2,972.8	2,958.7	2,958.7	6.1	4.9	-112.11	782.4	-401.6	893.7	882.8	10.86	82.312	
3,000.0	2,997.5	2,983.4	2,983.4	6.1	4.9	-112.33	782.4	-401.6	895.3	884.4	10.92	82.000	
3,025.0	3,022.1	3,008.0	3,008.0	6.2	4.9	-112.56	782.4	-401.6	897.0	886.0	10.98	81.684	
3,050.0	3,046.6	3,032.5	3,032.5	6.3	4.9	-112.80	782.4	-401.6	898.8	887.8	11.04	81.380	
3,075.0	3,071.1	3,057.0	3,057.0	6.4	5.0	-113.04	782.4	-401.6	900.8	889.7	11.11	81.088	
3,100.0	3,095.6	3,081.5	3,081.5	6.5	5.0	-113.30	782.4	-401.6	902.8	891.6	11.17	80.808	
3,125.0	3,120.1	3,106.0	3,106.0	6.5	5.0	-113.59	782.4	-401.6	904.9	893.7	11.24	80.543	
3,150.0	3,144.5	3,130.4	3,130.4	6.6	5.0	-113.89	782.4	-401.6	907.0	895.7	11.30	80.282	
3,175.0	3,169.0	3,154.9	3,154.9	6.7	5.1	-114.18	782.4	-401.6	909.2	897.8	11.36	80.023	
3,200.0	3,193.4	3,179.3	3,179.3	6.8	5.1	-114.47	782.4	-401.6	911.4	900.0	11.43	79.768	
3,225.0	3,217.9	3,203.8	3,203.8	6.8	5.1	-114.77	782.4	-401.6	913.6	902.1	11.49	79.502	
3,250.0	3,242.3	3,228.2	3,228.2	6.9	5.1	-115.06	782.4	-401.6	915.8	904.3	11.56	79.239	
3,275.0	3,266.8	3,252.7	3,252.7	7.0	5.2	-115.34	782.4	-401.6	918.1	906.4	11.62	78.979	
3,300.0	3,291.3	3,277.2	3,277.2	7.1	5.2	-115.63	782.4	-401.6	920.3	908.7	11.69	78.721	
3,325.0	3,315.7	3,301.6	3,301.6	7.1	5.2	-115.92	782.4	-401.6	922.6	910.9	11.76	78.452	
3,350.0	3,340.2	3,326.1	3,326.1	7.2	5.2	-116.20	782.4	-401.6	925.0	913.1	11.83	78.186	
3,375.0	3,364.6	3,350.5	3,350.5	7.3	5.3	-116.49	782.4	-401.6	927.3	915.4	11.90	77.923	
3,400.0	3,389.1	3,375.0	3,375.0	7.4	5.3	-116.77	782.4	-401.6	929.7	917.7	11.97	77.662	
3,425.0	3,413.5	3,399.4	3,399.4	7.5	5.3	-117.05	782.4	-401.6	932.1	920.0	12.04	77.390	
3,450.0	3,438.0	3,423.9	3,423.9	7.5	5.4	-117.33	782.4	-401.6	934.5	922.4	12.12	77.121	
3,475.0	3,462.4	3,448.3	3,448.3	7.6	5.4	-117.60	782.4	-401.6	936.9	924.7	12.19	76.855	
3,500.0	3,486.9	3,472.8	3,472.8	7.7	5.4	-117.88	782.4	-401.6	939.4	927.1	12.27	76.591	
3,525.0	3,511.3	3,497.2	3,497.2	7.8	5.4	-118.15	782.4	-401.6	941.9	929.5	12.34	76.317	
3,550.0	3,535.8	3,521.7	3,521.7	7.9	5.5	-118.43	782.4	-401.6	944.4	932.0	12.42	76.046	
3,575.0	3,560.2	3,546.1	3,546.1	8.0	5.5	-118.70	782.4	-401.6	946.9	934.4	12.50	75.777	
3,600.0	3,584.7	3,570.6	3,570.6	8.1	5.5	-118.97	782.4	-401.6	949.5	936.9	12.57	75.510	
3,625.0	3,609.2	3,595.1	3,595.1	8.1	5.5	-119.24	782.4	-401.6	952.0	939.4	12.65	75.235	
3,650.0	3,633.6	3,619.5	3,619.5	8.2	5.6	-119.51	782.4	-401.6	954.6	941.9	12.73	74.962	
3,675.0	3,658.1	3,644.0	3,644.0	8.3	5.6	-119.77	782.4	-401.6	957.2	944.4	12.82	74.691	
3,700.0	3,682.5	3,668.4	3,668.4	8.4	5.6	-120.04	782.4	-401.6	959.9	947.0	12.90	74.423	
3,725.0	3,707.0	3,692.9	3,692.9	8.5	5.6	-120.30	782.4	-401.6	962.5	949.5	12.98	74.146	
3,750.0	3,731.4	3,717.3	3,717.3	8.6	5.7	-120.56	782.4	-401.6	965.2	952.1	13.07	73.872	
3,775.0	3,755.9	3,741.8	3,741.8	8.7	5.7	-120.82	782.4	-401.6	967.9	954.8	13.15	73.600	
3,800.0	3,780.3	3,766.2	3,766.2	8.8	5.7	-121.08	782.4	-401.6	970.6	957.4	13.24	73.330	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 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	3,804.8	3,790.7	3,790.7	8.9	5.8	-121.34	782.4	-401.6	973.4	960.0	13.32	73.054	
3,850.0	3,829.2	3,815.1	3,815.1	9.0	5.8	-121.60	782.4	-401.6	976.1	962.7	13.41	72.779	
3,875.0	3,853.7	3,839.6	3,839.6	9.1	5.8	-121.85	782.4	-401.6	978.9	965.4	13.50	72.507	
3,900.0	3,878.1	3,864.0	3,864.0	9.2	5.8	-122.11	782.4	-401.6	981.7	968.1	13.59	72.237	
3,925.0	3,902.6	3,888.5	3,888.5	9.3	5.9	-122.36	782.4	-401.6	984.5	970.8	13.68	71.960	
3,950.0	3,927.1	3,913.0	3,913.0	9.4	5.9	-122.61	782.4	-401.6	987.3	973.6	13.77	71.686	
3,975.0	3,951.5	3,937.4	3,937.4	9.5	5.9	-122.86	782.4	-401.6	990.2	976.3	13.87	71.414	
4,000.0	3,976.0	3,961.9	3,961.9	9.6	6.0	-123.11	782.4	-401.6	993.1	979.1	13.96	71.145	
4,025.0	4,000.4	3,986.3	3,986.3	9.7	6.0	-123.35	782.4	-401.6	996.0	981.9	14.05	70.870	
4,050.0	4,024.9	4,010.8	4,010.8	9.8	6.0	-123.60	782.4	-401.6	998.9	984.7	14.15	70.597 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	67.84	81.2	199.4	215.3				
25.0	25.0	25.9	25.9	0.5	0.1	67.84	81.2	199.4	215.3				
50.0	50.0	50.9	50.9	0.5	0.3	67.84	81.2	199.4	215.3	214.0	1.28	168.423	
75.0	75.0	75.9	75.9	0.5	0.4	67.84	81.2	199.4	215.3	213.9	1.37	156.777	
100.0	100.0	100.9	100.9	0.5	0.5	67.84	81.2	199.4	215.3	213.8	1.49	144.416	
125.0	125.0	125.9	125.9	0.6	0.6	67.84	81.2	199.4	215.3	213.6	1.74	123.921	
150.0	150.0	150.9	150.9	0.8	0.8	67.84	81.2	199.4	215.3	213.3	1.98	108.519	
175.0	175.0	175.9	175.9	0.9	0.9	67.84	81.2	199.4	215.3	213.1	2.23	96.523	
200.0	200.0	200.9	200.9	1.0	1.0	67.84	81.2	199.4	215.3	212.8	2.48	86.970	
225.0	225.0	225.9	225.9	1.1	1.1	67.84	81.2	199.4	215.3	212.7	2.64	81.672	
250.0	250.0	250.9	250.9	1.2	1.2	67.84	81.2	199.4	215.3	212.5	2.80	76.983	
275.0	275.0	275.9	275.9	1.3	1.3	67.84	81.2	199.4	215.3	212.3	2.96	72.803	
300.0	300.0	300.9	300.9	1.4	1.4	67.84	81.2	199.4	215.3	212.2	3.12	69.066	
325.0	325.0	325.9	325.9	1.4	1.4	67.84	81.2	199.4	215.3	212.1	3.25	66.321	
350.0	350.0	350.9	350.9	1.5	1.5	67.84	81.2	199.4	215.3	211.9	3.38	63.785	
375.0	375.0	375.9	375.9	1.6	1.6	67.84	81.2	199.4	215.3	211.8	3.50	61.437	
400.0	400.0	400.9	400.9	1.6	1.6	67.84	81.2	199.4	215.3	211.7	3.63	59.260	
425.0	425.0	425.9	425.9	1.7	1.7	67.84	81.2	199.4	215.3	211.6	3.74	57.500	
450.0	450.0	450.9	450.9	1.8	1.8	67.84	81.2	199.4	215.3	211.4	3.86	55.842	
475.0	475.0	475.9	475.9	1.8	1.8	67.84	81.2	199.4	215.3	211.3	3.97	54.277	
500.0	500.0	500.9	500.9	1.9	1.9	67.84	81.2	199.4	215.3	211.2	4.08	52.800	
525.0	525.0	525.9	525.9	1.9	1.9	67.84	81.2	199.4	215.3	211.1	4.18	51.545	
550.0	550.0	550.9	550.9	2.0	2.0	67.84	81.2	199.4	215.3	211.0	4.28	50.348	
575.0	575.0	575.9	575.9	2.1	2.1	67.84	81.2	199.4	215.3	210.9	4.38	49.205	
600.0	600.0	600.9	600.9	2.1	2.1	67.84	81.2	199.4	215.3	210.8	4.47	48.115	
625.0	625.0	625.9	625.9	2.2	2.2	67.84	81.2	199.4	215.3	210.7	4.57	47.159	
650.0	650.0	650.9	650.9	2.2	2.2	67.84	81.2	199.4	215.3	210.6	4.66	46.241	
675.0	675.0	675.9	675.9	2.3	2.3	67.84	81.2	199.4	215.3	210.6	4.75	45.358	
700.0	700.0	700.9	700.9	2.3	2.3	67.84	81.2	199.4	215.3	210.5	4.84	44.508	
725.0	725.0	725.9	725.9	2.4	2.4	67.84	81.2	199.4	215.3	210.4	4.92	43.748	
750.0	750.0	750.9	750.9	2.4	2.4	67.84	81.2	199.4	215.3	210.3	5.01	43.014	
775.0	775.0	775.9	775.9	2.5	2.5	67.84	81.2	199.4	215.3	210.2	5.09	42.303	
800.0	800.0	800.9	800.9	2.5	2.5	67.84	81.2	199.4	215.3	210.1	5.17	41.617	
825.0	825.0	825.9	825.9	2.6	2.6	67.84	81.2	199.4	215.3	210.0	5.25	40.992	
850.0	850.0	850.9	850.9	2.6	2.6	67.84	81.2	199.4	215.3	210.0	5.33	40.387	
875.0	875.0	875.9	875.9	2.6	2.6	67.84	81.2	199.4	215.3	209.9	5.41	39.799	
900.0	900.0	900.9	900.9	2.7	2.7	67.84	81.2	199.4	215.3	209.8	5.49	39.228	
925.0	925.0	925.9	925.9	2.7	2.7	67.84	81.2	199.4	215.3	209.7	5.56	38.703	
950.0	950.0	950.9	950.9	2.8	2.8	67.84	81.2	199.4	215.3	209.7	5.64	38.192	
975.0	975.0	975.9	975.9	2.8	2.8	67.84	81.2	199.4	215.3	209.6	5.71	37.694	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	67.84	81.2	199.4	215.3	209.5	5.79	37.210	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	67.84	81.2	199.4	215.3	209.4	5.86	36.760	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	67.84	81.2	199.4	215.3	209.4	5.93	36.321	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	67.84	81.2	199.4	215.3	209.3	6.00	35.893	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	67.84	81.2	199.4	215.3	209.2	6.07	35.475	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	67.84	81.2	199.4	215.3	209.2	6.14	35.084	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	67.84	81.2	199.4	215.3	209.1	6.20	34.701	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	67.84	81.2	199.4	215.3	209.0	6.27	34.327	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	67.84	81.2	199.4	215.3	209.0	6.34	33.961	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	67.84	81.2	199.4	215.3	208.9	6.40	33.616	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	67.84	81.2	199.4	215.3	208.8	6.47	33.279	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	67.84	81.2	199.4	215.3	208.8	6.53	32.948	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	67.84	81.2	199.4	215.3	208.7	6.60	32.624	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	67.84	81.2	199.4	215.3	208.6	6.66	32.317	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	67.84	81.2	199.4	215.3	208.6	6.72	32.017	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	67.84	81.2	199.4	215.3	208.5	6.79	31.722	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	67.84	81.2	199.4	215.3	208.4	6.85	31.432	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	67.84	81.2	199.4	215.3	208.4	6.91	31.157	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	67.84	81.2	199.4	215.3	208.3	6.97	30.887	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	67.84	81.2	199.4	215.3	208.3	7.03	30.621	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	67.84	81.2	199.4	215.3	208.2	7.09	30.360	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	67.84	81.2	199.4	215.3	208.1	7.15	30.111	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	67.84	81.2	199.4	215.3	208.1	7.21	29.867	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	67.84	81.2	199.4	215.3	208.0	7.27	29.626	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	67.84	81.2	199.4	215.3	208.0	7.33	29.389	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	67.84	81.2	199.4	215.3	207.9	7.38	29.163	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	67.84	81.2	199.4	215.3	207.9	7.44	28.940	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	67.84	81.2	199.4	215.3	207.8	7.50	28.720	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	67.84	81.2	199.4	215.3	207.7	7.55	28.504	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	67.84	81.2	199.4	215.3	207.7	7.61	28.296	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	67.84	81.2	199.4	215.3	207.6	7.66	28.092	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	67.84	81.2	199.4	215.3	207.6	7.72	27.891	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	67.84	81.2	199.4	215.3	207.5	7.77	27.692	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	67.84	81.2	199.4	215.3	207.5	7.83	27.501	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	67.84	81.2	199.4	215.3	207.4	7.88	27.313	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	67.84	81.2	199.4	215.3	207.4	7.94	27.127	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	67.84	81.2	199.4	215.3	207.3	7.99	26.944	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	67.84	81.2	199.4	215.3	207.3	8.04	26.768	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	67.84	81.2	199.4	215.3	207.2	8.10	26.594	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	67.84	81.2	199.4	215.3	207.2	8.15	26.422	
1,991.4	1,991.4	1,992.3	1,992.3	4.4	4.4	67.84	81.2	199.4	215.3	207.1	8.18	26.311	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	67.84	81.2	199.4	215.3	207.1	8.20	26.255	
2,025.0	2,025.0	2,024.1	2,024.1	4.5	4.4	67.85	81.2	199.5	215.4	207.1	8.30	25.958	
2,050.0	2,050.0	2,047.4	2,047.4	4.5	4.5	67.86	81.3	199.8	215.7	207.3	8.40	25.692	
2,075.0	2,075.0	2,070.7	2,070.7	4.6	4.5	67.89	81.4	200.3	216.2	207.7	8.49	25.453	
2,100.0	2,100.0	2,093.9	2,093.9	4.6	4.5	67.92	81.5	200.9	216.9	208.3	8.59	25.239	
2,125.0	2,125.0	2,117.2	2,117.2	4.7	4.6	67.97	81.7	201.8	217.8	209.1	8.70	25.031	
2,150.0	2,150.0	2,140.4	2,140.4	4.7	4.6	68.02	81.9	202.8	218.9	210.1	8.81	24.839	
2,175.0	2,175.0	2,163.6	2,163.6	4.7	4.6	68.08	82.1	204.0	220.2	211.3	8.93	24.674	
2,200.0	2,200.0	2,186.8	2,186.7	4.8	4.7	68.15	82.4	205.4	221.7	212.7	9.04	24.536	
2,225.0	2,225.0	2,210.0	2,209.8	4.8	4.7	68.23	82.7	207.0	223.4	214.3	9.15	24.424	
2,250.0	2,250.0	2,233.2	2,232.9	4.8	4.8	68.31	83.0	208.7	225.3	216.1	9.26	24.334	
2,275.0	2,275.0	2,256.3	2,255.9	4.9	4.8	68.41	83.4	210.6	227.4	218.1	9.37	24.267	
2,300.0	2,300.0	2,279.4	2,278.9	4.9	4.8	68.51	83.8	212.8	229.7	220.2	9.48	24.223	
2,325.0	2,325.0	2,300.0	2,299.5	5.0	4.9	68.60	84.2	214.8	232.2	222.6	9.58	24.237	
2,350.0	2,350.0	2,325.4	2,324.7	5.0	4.9	68.73	84.7	217.5	234.9	225.2	9.71	24.196	
2,375.0	2,375.0	2,348.4	2,347.5	5.0	5.0	68.84	85.2	220.2	237.8	228.0	9.82	24.211	
2,400.0	2,400.0	2,371.3	2,370.2	5.1	5.0	68.97	85.8	223.0	240.9	230.9	9.93	24.248	
2,425.0	2,425.0	2,394.2	2,392.9	5.1	5.1	69.09	86.3	226.0	244.1	234.1	10.05	24.304	
2,450.0	2,450.0	2,417.0	2,415.5	5.1	5.2	69.22	86.9	229.1	247.6	237.5	10.16	24.373	
2,475.0	2,475.0	2,439.7	2,438.0	5.2	5.2	69.36	87.6	232.5	251.3	241.0	10.28	24.457	
2,500.0	2,500.0	2,462.5	2,460.4	5.2	5.3	69.49	88.3	236.0	255.2	244.8	10.39	24.557	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	2,525.0	2,485.1	2,482.8	5.3	5.4	-13.21	89.0	239.6	259.1	248.6	10.53	24.619	
2,550.0	2,550.0	2,507.8	2,505.1	5.3	5.5	-13.06	89.7	243.5	263.1	252.4	10.65	24.690	
2,575.0	2,575.0	2,530.4	2,527.4	5.3	5.5	-12.92	90.5	247.5	267.0	256.2	10.77	24.785	
2,600.0	2,600.0	2,553.0	2,549.5	5.4	5.6	-12.80	91.3	251.6	270.9	260.0	10.89	24.875	
2,625.0	2,625.0	2,575.6	2,571.7	5.4	5.7	-12.67	92.1	256.0	274.8	263.8	11.01	24.964	
2,650.0	2,649.9	2,600.3	2,595.9	5.4	5.7	-12.55	93.0	260.8	278.6	267.4	11.12	25.055	
2,675.0	2,674.9	2,625.0	2,620.2	5.5	5.8	-12.44	94.0	265.7	282.1	270.9	11.26	25.056	
2,700.0	2,699.8	2,649.8	2,644.5	5.5	5.9	-12.35	94.9	270.5	285.5	274.1	11.40	25.037	
2,725.0	2,724.8	2,674.6	2,668.8	5.5	5.9	-12.26	95.9	275.4	288.6	277.1	11.55	24.991	
2,750.0	2,749.7	2,699.4	2,693.1	5.6	6.0	-12.19	96.8	280.2	291.5	279.8	11.70	24.926	
2,775.0	2,774.6	2,724.3	2,717.4	5.6	6.1	-12.13	97.7	285.1	294.3	282.4	11.85	24.841	
2,800.0	2,799.5	2,749.2	2,741.8	5.7	6.2	-12.08	98.7	290.0	296.8	284.8	12.00	24.740	
2,825.0	2,824.3	2,774.1	2,766.2	5.7	6.3	-12.04	99.6	294.8	299.1	286.9	12.15	24.615	
2,850.0	2,849.1	2,799.0	2,790.6	5.7	6.3	-12.01	100.6	299.7	301.1	288.8	12.30	24.475	
2,875.0	2,873.9	2,823.9	2,815.0	5.8	6.4	-11.99	101.5	304.6	303.0	290.6	12.46	24.312	
2,900.0	2,898.7	2,848.8	2,839.5	5.9	6.5	-11.98	102.4	309.5	304.7	292.1	12.62	24.133	
2,925.0	2,923.4	2,873.8	2,863.9	5.9	6.6	-11.98	103.4	314.4	306.1	293.3	12.79	23.936	
2,950.0	2,948.2	2,898.8	2,888.4	6.0	6.7	-11.99	104.3	319.3	307.4	294.4	12.95	23.726	
2,975.0	2,972.8	2,923.7	2,912.9	6.1	6.8	-12.01	105.3	324.1	308.4	295.2	13.12	23.499	
3,000.0	2,997.5	2,948.7	2,937.4	6.1	6.9	-12.04	106.2	329.0	309.2	295.9	13.29	23.261	
3,025.0	3,022.1	2,973.7	2,961.9	6.2	7.0	-12.07	107.1	333.9	309.8	296.3	13.46	23.005	
3,050.0	3,046.6	2,998.7	2,986.4	6.3	7.1	-12.12	108.1	338.8	310.1	296.5	13.64	22.740	
3,075.0	3,071.1	3,023.7	3,010.9	6.4	7.1	-12.17	109.0	343.7	310.3	296.5	13.82	22.461	
3,100.0	3,095.6	3,048.7	3,035.3	6.5	7.2	-12.24	110.0	348.6	310.3	296.3	13.99	22.174	
3,125.0	3,120.1	3,073.7	3,059.8	6.5	7.3	-12.30	110.9	353.5	310.1	296.0	14.16	21.904	
3,150.0	3,144.5	3,098.7	3,084.3	6.6	7.4	-12.37	111.9	358.4	310.0	295.6	14.32	21.642	
3,175.0	3,169.0	3,123.7	3,108.8	6.7	7.5	-12.44	112.8	363.3	309.8	295.3	14.49	21.381	
3,200.0	3,193.4	3,148.7	3,133.3	6.8	7.6	-12.51	113.8	368.2	309.7	295.0	14.66	21.126	
3,225.0	3,217.9	3,173.7	3,157.8	6.8	7.7	-12.58	114.7	373.1	309.5	294.7	14.83	20.871	
3,250.0	3,242.3	3,198.7	3,182.3	6.9	7.8	-12.65	115.6	378.0	309.3	294.3	15.00	20.622	
3,275.0	3,266.8	3,223.7	3,206.8	7.0	7.9	-12.71	116.6	382.9	309.2	294.0	15.18	20.375	
3,300.0	3,291.3	3,248.7	3,231.3	7.1	8.0	-12.78	117.5	387.8	309.0	293.7	15.35	20.134	
3,325.0	3,315.7	3,273.7	3,255.8	7.1	8.1	-12.85	118.5	392.6	308.9	293.4	15.53	19.893	
3,350.0	3,340.2	3,298.7	3,280.3	7.2	8.2	-12.92	119.4	397.5	308.7	293.0	15.71	19.658	
3,375.0	3,364.6	3,323.7	3,304.8	7.3	8.3	-12.99	120.4	402.4	308.6	292.7	15.89	19.425	
3,400.0	3,389.1	3,348.7	3,329.3	7.4	8.4	-13.06	121.3	407.3	308.5	292.4	16.07	19.198	
3,425.0	3,413.5	3,373.7	3,353.8	7.5	8.5	-13.13	122.3	412.2	308.3	292.1	16.25	18.972	
3,450.0	3,438.0	3,398.7	3,378.3	7.5	8.6	-13.20	123.2	417.1	308.2	291.7	16.43	18.751	
3,475.0	3,462.4	3,423.7	3,402.8	7.6	8.7	-13.26	124.1	422.0	308.0	291.4	16.62	18.533	
3,500.0	3,486.9	3,448.7	3,427.3	7.7	8.8	-13.33	125.1	426.9	307.9	291.1	16.80	18.320	
3,525.0	3,511.3	3,473.7	3,451.8	7.8	8.9	-13.40	126.0	431.8	307.7	290.7	16.99	18.109	
3,550.0	3,535.8	3,498.7	3,476.3	7.9	9.0	-13.47	127.0	436.7	307.6	290.4	17.18	17.902	
3,575.0	3,560.2	3,523.7	3,500.8	8.0	9.1	-13.54	127.9	441.6	307.4	290.1	17.37	17.698	
3,600.0	3,584.7	3,548.7	3,525.2	8.1	9.2	-13.61	128.9	446.5	307.3	289.7	17.56	17.499	
3,625.0	3,609.2	3,573.6	3,549.7	8.1	9.3	-13.68	129.8	451.4	307.1	289.4	17.75	17.301	
3,650.0	3,633.6	3,598.6	3,574.2	8.2	9.4	-13.75	130.7	456.3	307.0	289.0	17.94	17.108	
3,675.0	3,658.1	3,623.6	3,598.7	8.3	9.5	-13.82	131.7	461.2	306.8	288.7	18.14	16.918	
3,700.0	3,682.5	3,648.6	3,623.2	8.4	9.6	-13.89	132.6	466.1	306.7	288.4	18.33	16.732	
3,725.0	3,707.0	3,673.6	3,647.7	8.5	9.7	-13.96	133.6	470.9	306.6	288.0	18.53	16.547	
3,750.0	3,731.4	3,698.6	3,672.2	8.6	9.8	-14.03	134.5	475.8	306.4	287.7	18.72	16.367	
3,775.0	3,755.9	3,723.6	3,696.7	8.7	10.0	-14.10	135.5	480.7	306.3	287.4	18.92	16.189	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	3,780.3	3,748.6	3,721.2	8.8	10.1	-14.17	136.4	485.6	306.1	287.0	19.11	16.016	
3,825.0	3,804.8	3,773.6	3,745.7	8.9	10.2	-14.24	137.4	490.5	306.0	286.7	19.31	15.844	
3,850.0	3,829.2	3,798.6	3,770.2	9.0	10.3	-14.31	138.3	495.4	305.9	286.3	19.51	15.676	
3,875.0	3,853.7	3,823.6	3,794.7	9.1	10.4	-14.38	139.2	500.3	305.7	286.0	19.71	15.510	
3,900.0	3,878.1	3,848.6	3,819.2	9.2	10.5	-14.45	140.2	505.2	305.6	285.7	19.91	15.348	
3,925.0	3,902.6	3,873.6	3,843.7	9.3	10.6	-14.52	141.1	510.1	305.4	285.3	20.11	15.188	
3,950.0	3,927.1	3,898.6	3,868.2	9.4	10.7	-14.59	142.1	515.0	305.3	285.0	20.31	15.031	
3,975.0	3,951.5	3,923.6	3,892.7	9.5	10.8	-14.66	143.0	519.9	305.2	284.6	20.51	14.876	
4,000.0	3,976.0	3,948.6	3,917.2	9.6	10.9	-14.73	144.0	524.8	305.0	284.3	20.71	14.725	
4,025.0	4,000.4	3,973.6	3,941.7	9.7	11.0	-14.80	144.9	529.7	304.9	284.0	20.92	14.575	
4,050.0	4,024.9	3,998.6	3,966.2	9.8	11.1	-14.87	145.9	534.6	304.7	283.6	21.12	14.429	
4,075.0	4,049.3	4,023.6	3,990.7	9.9	11.2	-14.94	146.8	539.5	304.6	283.3	21.32	14.285	
4,100.0	4,073.8	4,048.6	4,015.1	10.0	11.3	-15.01	147.7	544.3	304.5	282.9	21.53	14.143	
4,125.0	4,098.2	4,073.6	4,039.6	10.1	11.5	-15.08	148.7	549.2	304.3	282.6	21.73	14.004	
4,150.0	4,122.7	4,098.6	4,064.1	10.2	11.6	-15.15	149.6	554.1	304.2	282.3	21.94	13.867	
4,175.0	4,147.1	4,123.6	4,088.6	10.3	11.7	-15.22	150.6	559.0	304.1	281.9	22.14	13.732	
4,200.0	4,171.6	4,148.6	4,113.1	10.4	11.8	-15.29	151.5	563.9	303.9	281.6	22.35	13.600	
4,225.0	4,196.0	4,173.6	4,137.6	10.5	11.9	-15.37	152.5	568.8	303.8	281.2	22.55	13.470	
4,250.0	4,220.5	4,198.6	4,162.1	10.6	12.0	-15.44	153.4	573.7	303.7	280.9	22.76	13.342	
4,275.0	4,244.9	4,223.6	4,186.6	10.7	12.1	-15.51	154.3	578.6	303.5	280.6	22.97	13.216	
4,300.0	4,269.4	4,248.6	4,211.1	10.8	12.2	-15.58	155.3	583.5	303.4	280.2	23.17	13.093	
4,325.0	4,293.9	4,273.6	4,235.6	10.9	12.3	-15.65	156.2	588.4	303.3	279.9	23.38	12.971	
4,350.0	4,318.3	4,298.6	4,260.1	11.0	12.4	-15.72	157.2	593.3	303.1	279.6	23.59	12.851	
4,375.0	4,342.8	4,323.6	4,284.6	11.1	12.6	-15.79	158.1	598.2	303.0	279.2	23.80	12.733	
4,400.0	4,367.2	4,348.5	4,309.1	11.2	12.7	-15.86	159.1	603.1	302.9	278.9	24.00	12.618	
4,425.0	4,391.7	4,373.5	4,333.6	11.3	12.8	-15.94	160.0	608.0	302.8	278.5	24.21	12.503	
4,450.0	4,416.1	4,398.5	4,358.1	11.4	12.9	-16.01	161.0	612.9	302.6	278.2	24.42	12.391	
4,475.0	4,440.6	4,423.5	4,382.6	11.5	13.0	-16.08	161.9	617.8	302.5	277.9	24.63	12.281	
4,500.0	4,465.0	4,448.5	4,407.1	11.6	13.1	-16.15	162.8	622.6	302.4	277.5	24.84	12.173	
4,525.0	4,489.5	4,473.5	4,431.6	11.7	13.2	-16.22	163.8	627.5	302.2	277.2	25.05	12.066	
4,550.0	4,513.9	4,498.5	4,456.1	11.8	13.3	-16.29	164.7	632.4	302.1	276.8	25.26	11.960	
4,575.0	4,538.4	4,523.5	4,480.6	11.9	13.4	-16.37	165.7	637.3	302.0	276.5	25.47	11.857	
4,600.0	4,562.8	4,548.5	4,505.0	12.0	13.5	-16.44	166.6	642.2	301.9	276.2	25.68	11.755	
4,625.0	4,587.3	4,573.5	4,529.5	12.1	13.7	-16.51	167.6	647.1	301.7	275.8	25.89	11.655	
4,650.0	4,611.8	4,598.5	4,554.0	12.2	13.8	-16.58	168.5	652.0	301.6	275.5	26.10	11.556	
4,675.0	4,636.2	4,623.5	4,578.5	12.3	13.9	-16.65	169.5	656.9	301.5	275.2	26.31	11.459	
4,700.0	4,660.7	4,648.5	4,603.0	12.4	14.0	-16.73	170.4	661.8	301.4	274.8	26.52	11.363	
4,725.0	4,685.1	4,673.5	4,627.5	12.6	14.1	-16.80	171.3	666.7	301.2	274.5	26.73	11.269	
4,750.0	4,709.6	4,698.5	4,652.0	12.7	14.2	-16.87	172.3	671.6	301.1	274.2	26.94	11.176	
4,775.0	4,734.0	4,723.5	4,676.5	12.8	14.3	-16.94	173.2	676.5	301.0	273.8	27.15	11.085	
4,800.0	4,758.5	4,748.5	4,701.0	12.9	14.4	-17.02	174.2	681.4	300.9	273.5	27.36	10.995	
4,825.0	4,782.9	4,773.5	4,725.5	13.0	14.6	-17.09	175.1	686.3	300.7	273.2	27.58	10.906	
4,850.0	4,807.4	4,798.5	4,750.0	13.1	14.7	-17.16	176.1	691.2	300.6	272.8	27.79	10.819	
4,875.0	4,831.8	4,823.5	4,774.5	13.2	14.8	-17.23	177.0	696.0	300.5	272.5	27.99	10.734	
4,900.0	4,856.3	4,848.5	4,799.0	13.3	14.9	-17.31	177.9	700.9	300.4	272.2	28.20	10.651	
4,925.0	4,880.7	4,873.5	4,823.5	13.4	15.0	-17.38	178.9	705.8	300.3	271.8	28.41	10.569	
4,950.0	4,905.2	4,899.8	4,849.3	13.5	15.1	-17.46	179.9	710.9	300.1	271.5	28.62	10.486	
4,975.0	4,929.7	4,926.1	4,875.1	13.6	15.2	-17.54	180.8	715.9	299.8	271.0	28.84	10.397	
5,000.0	4,954.1	4,952.4	4,901.0	13.8	15.3	-17.63	181.8	720.8	299.4	270.4	29.05	10.306	
5,025.0	4,978.6	4,978.8	4,926.8	13.9	15.5	-17.73	182.7	725.5	298.9	269.6	29.27	10.212	
5,050.0	5,003.0	5,005.1	4,952.7	14.0	15.6	-17.83	183.6	730.2	298.3	268.8	29.48	10.117	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,075.0	5,027.5	5,031.4	4,978.6	14.1	15.7	-17.94	184.5	734.7	297.6	267.9	29.69	10.021	
5,100.0	5,051.9	5,057.7	5,004.6	14.2	15.8	-18.06	185.3	739.1	296.7	266.8	29.90	9.923	
5,125.0	5,076.4	5,084.0	5,030.5	14.3	15.9	-18.18	186.1	743.3	295.8	265.7	30.11	9.823	
5,150.0	5,100.8	5,110.3	5,056.4	14.4	16.0	-18.30	186.9	747.5	294.7	264.4	30.32	9.722	
5,175.0	5,125.3	5,136.5	5,082.4	14.5	16.1	-18.44	187.7	751.5	293.5	263.0	30.52	9.619	
5,200.0	5,149.7	5,162.8	5,108.3	14.6	16.3	-18.58	188.5	755.5	292.3	261.6	30.72	9.514	
5,225.0	5,174.2	5,189.0	5,134.3	14.7	16.4	-18.73	189.2	759.3	290.9	260.0	30.92	9.408	
5,250.0	5,198.6	5,215.3	5,160.2	14.9	16.5	-18.89	189.9	762.9	289.4	258.3	31.12	9.301	
5,275.0	5,223.1	5,241.5	5,186.2	15.0	16.6	-19.05	190.6	766.5	287.8	256.5	31.31	9.192	
5,300.0	5,247.6	5,267.7	5,212.1	15.1	16.7	-19.23	191.3	769.9	286.1	254.6	31.50	9.082	
5,325.0	5,272.0	5,293.8	5,238.1	15.2	16.8	-19.41	191.9	773.3	284.3	252.6	31.69	8.970	
5,350.0	5,296.5	5,320.0	5,264.1	15.3	16.9	-19.60	192.5	776.5	282.4	250.5	31.88	8.857	
5,375.0	5,320.9	5,346.1	5,290.0	15.4	17.0	-19.80	193.1	779.6	280.3	248.3	32.06	8.744	
5,400.0	5,345.4	5,372.2	5,315.9	15.5	17.1	-20.01	193.7	782.5	278.2	245.9	32.24	8.628	
5,425.0	5,369.8	5,398.3	5,341.9	15.6	17.2	-20.23	194.2	785.4	276.0	243.5	32.42	8.511	
5,450.0	5,394.3	5,424.4	5,367.8	15.7	17.3	-20.46	194.8	788.1	273.6	241.0	32.59	8.394	
5,475.0	5,418.7	5,450.4	5,393.7	15.9	17.4	-20.70	195.3	790.7	271.2	238.4	32.76	8.276	
5,500.0	5,443.2	5,476.5	5,419.6	16.0	17.5	-20.95	195.7	793.2	268.6	235.7	32.93	8.156	
5,525.0	5,467.6	5,502.5	5,445.5	16.1	17.7	-21.22	196.2	795.6	266.0	232.9	33.10	8.035	
5,550.0	5,492.1	5,528.4	5,471.3	16.2	17.8	-21.50	196.6	797.9	263.2	229.9	33.26	7.914	
5,575.0	5,516.5	5,554.3	5,497.2	16.3	17.8	-21.79	197.1	800.0	260.3	226.9	33.41	7.792	
5,600.0	5,541.0	5,580.2	5,523.0	16.4	17.9	-22.10	197.4	802.0	257.4	223.8	33.56	7.669	
5,625.0	5,565.5	5,606.1	5,548.8	16.5	18.0	-22.42	197.8	803.9	254.3	220.6	33.71	7.545	
5,650.0	5,589.9	5,632.0	5,574.5	16.6	18.1	-22.76	198.2	805.7	251.2	217.3	33.85	7.420	
5,675.0	5,614.4	5,657.8	5,600.3	16.8	18.2	-23.12	198.5	807.4	247.9	213.9	33.98	7.295	
5,700.0	5,638.8	5,683.5	5,626.0	16.9	18.3	-23.49	198.8	809.0	244.6	210.4	34.11	7.169	
5,725.0	5,663.3	5,709.3	5,651.7	17.0	18.4	-23.89	199.1	810.4	241.1	206.9	34.24	7.042	
5,750.0	5,687.7	5,735.0	5,677.4	17.1	18.5	-24.30	199.3	811.7	237.6	203.2	34.35	6.916	
5,775.0	5,712.2	5,760.6	5,703.0	17.2	18.6	-24.74	199.6	813.0	234.0	199.5	34.46	6.788	
5,800.0	5,736.6	5,786.3	5,728.6	17.3	18.7	-25.20	199.8	814.1	230.2	195.7	34.57	6.660	
5,825.0	5,761.1	5,811.9	5,754.2	17.4	18.8	-25.69	200.0	815.0	226.4	191.8	34.66	6.532	
5,850.0	5,785.5	5,837.4	5,779.7	17.5	18.8	-26.21	200.1	815.9	222.5	187.8	34.75	6.404	
5,875.0	5,810.0	5,862.9	5,805.2	17.7	18.9	-26.75	200.3	816.7	218.6	183.7	34.82	6.276	
5,900.0	5,834.4	5,888.4	5,830.7	17.8	19.0	-27.33	200.4	817.3	214.5	179.6	34.89	6.148	
5,925.0	5,858.9	5,913.8	5,856.1	17.9	19.1	-27.94	200.5	817.9	210.4	175.4	34.94	6.020	
5,950.0	5,883.3	5,939.2	5,881.5	18.0	19.1	-28.59	200.6	818.3	206.1	171.2	34.98	5.893	
5,975.0	5,907.8	5,964.5	5,906.8	18.1	19.2	-29.28	200.6	818.6	201.9	166.8	35.00	5.767	
6,000.0	5,932.3	5,989.8	5,932.1	18.2	19.2	-30.01	200.7	818.8	197.5	162.5	35.02	5.640	
6,025.0	5,956.7	6,015.1	5,957.3	18.3	19.3	-30.79	200.7	818.9	193.1	158.1	34.99	5.517	
6,050.0	5,981.2	6,039.8	5,982.1	18.5	19.3	-31.60	200.7	818.9	188.6	153.7	34.95	5.396	
6,075.0	6,005.6	6,064.2	6,006.5	18.6	19.3	-32.44	200.7	818.9	184.2	149.3	34.90	5.278	
6,100.0	6,030.1	6,088.7	6,031.0	18.7	19.3	-33.33	200.7	818.9	179.8	144.9	34.83	5.162	
6,125.0	6,054.5	6,113.1	6,055.4	18.8	19.3	-34.25	200.7	818.9	175.4	140.7	34.75	5.048	
6,150.0	6,079.0	6,137.6	6,079.9	18.9	19.3	-35.23	200.7	818.9	171.1	136.5	34.66	4.938	
6,175.0	6,103.4	6,162.1	6,104.3	19.0	19.3	-36.25	200.7	818.9	166.9	132.3	34.55	4.830	
6,200.0	6,127.9	6,186.5	6,128.8	19.1	19.3	-37.32	200.7	818.9	162.7	128.3	34.42	4.726	
6,225.0	6,152.3	6,211.0	6,153.2	19.3	19.4	-38.45	200.7	818.9	158.5	124.3	34.27	4.626	
6,250.0	6,176.8	6,235.4	6,177.7	19.4	19.4	-39.64	200.7	818.9	154.5	120.4	34.11	4.529	
6,275.0	6,201.2	6,259.9	6,202.1	19.5	19.4	-40.89	200.7	818.9	150.5	116.6	33.92	4.437	
6,300.0	6,225.7	6,284.3	6,226.6	19.6	19.4	-42.21	200.7	818.9	146.5	112.8	33.70	4.348	
6,325.0	6,250.2	6,308.8	6,251.1	19.7	19.4	-43.59	200.7	818.9	142.7	109.2	33.45	4.265	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,350.0	6,274.6	6,333.2	6,275.5	19.8	19.4	-45.06	200.7	818.9	138.9	105.8	33.18	4.187	
6,367.7	6,291.9	6,350.5	6,292.8	19.9	19.4	-46.14	200.7	818.9	136.3	103.4	32.97	4.135	
6,375.0	6,299.1	6,357.7	6,300.0	19.9	19.4	-46.58	200.7	818.9	135.3	102.4	32.88	4.115	
6,400.0	6,323.5	6,382.2	6,324.4	20.0	19.4	-48.13	200.7	818.9	131.8	99.3	32.55	4.050	
6,425.0	6,348.1	6,406.7	6,349.0	20.2	19.4	-49.70	200.7	818.9	128.5	96.3	32.21	3.991	
6,450.0	6,372.6	6,431.2	6,373.5	20.3	19.5	-51.30	200.7	818.9	125.5	93.6	31.85	3.940	
6,475.0	6,397.2	6,455.8	6,398.1	20.4	19.5	-52.92	200.7	818.9	122.6	91.2	31.49	3.895	
6,500.0	6,421.8	6,480.4	6,422.7	20.5	19.5	-54.56	200.7	818.9	120.0	88.9	31.11	3.857	
6,525.0	6,446.4	6,505.0	6,447.3	20.6	19.5	-56.21	200.7	818.9	117.5	86.8	30.72	3.826	
6,550.0	6,471.1	6,529.7	6,472.0	20.7	19.5	-57.86	200.7	818.9	115.3	85.0	30.33	3.801	
6,575.0	6,495.8	6,554.4	6,496.7	20.8	19.5	-59.50	200.7	818.9	113.2	83.3	29.94	3.782	
6,600.0	6,520.5	6,579.1	6,521.4	20.9	19.5	-61.14	200.7	818.9	111.3	81.8	29.55	3.767	
6,625.0	6,545.2	6,603.8	6,546.1	21.0	19.5	-62.76	200.7	818.9	109.6	80.4	29.17	3.758	
6,650.0	6,570.0	6,628.6	6,570.9	21.2	19.5	-64.36	200.7	818.9	108.1	79.3	28.80	3.752	
6,675.0	6,594.8	6,653.4	6,595.7	21.3	19.5	-65.93	200.7	818.9	106.7	78.2	28.44	3.750	
6,700.0	6,619.6	6,678.2	6,620.5	21.4	19.6	-67.45	200.7	818.9	105.4	77.3	28.11	3.751	
6,725.0	6,644.4	6,703.0	6,645.3	21.5	19.6	-68.94	200.7	818.9	104.3	76.5	27.79	3.754	
6,750.0	6,669.2	6,727.8	6,670.1	21.6	19.6	-70.37	200.7	818.9	103.3	75.8	27.49	3.759	
6,775.0	6,694.1	6,752.7	6,695.0	21.7	19.6	-71.74	200.7	818.9	102.5	75.2	27.22	3.765	
6,800.0	6,719.0	6,777.6	6,719.9	21.8	19.6	-73.05	200.7	818.9	101.7	74.7	26.97	3.771	
6,825.0	6,743.8	6,802.5	6,744.7	21.9	19.6	-74.30	200.7	818.9	101.1	74.3	26.75	3.778	
6,850.0	6,768.8	6,827.4	6,769.7	22.0	19.6	-75.47	200.7	818.9	100.5	73.9	26.55	3.785	
6,875.0	6,793.7	6,852.3	6,794.6	22.1	19.6	-76.57	200.7	818.9	100.0	73.6	26.38	3.791	
6,900.0	6,818.6	6,877.2	6,819.5	22.2	19.6	-77.58	200.7	818.9	99.6	73.4	26.24	3.796	
6,925.0	6,843.6	6,902.2	6,844.5	22.3	19.6	-78.52	200.7	818.9	99.2	73.1	26.11	3.801	
6,950.0	6,868.5	6,927.1	6,869.4	22.3	19.7	-79.37	200.7	818.9	99.0	72.9	26.01	3.804	
6,975.0	6,893.5	6,952.1	6,894.4	22.4	19.7	-80.13	200.7	818.9	98.7	72.8	25.93	3.807	
7,000.0	6,918.4	6,977.1	6,919.3	22.5	19.7	-80.80	200.7	818.9	98.5	72.6	25.87	3.808	
7,025.0	6,943.4	7,002.0	6,944.3	22.6	19.7	-81.38	200.7	818.9	98.4	72.5	25.83	3.809	
7,050.0	6,968.4	7,027.0	6,969.3	22.7	19.7	-81.87	200.7	818.9	98.2	72.4	25.80	3.808	
7,075.0	6,993.4	7,052.0	6,994.3	22.8	19.7	-82.26	200.7	818.9	98.1	72.4	25.79	3.806	
7,100.0	7,018.4	7,077.0	7,019.3	22.8	19.7	-82.57	200.7	818.9	98.1	72.3	25.79	3.803	
7,125.0	7,043.4	7,102.0	7,044.3	22.9	19.7	-82.77	200.7	818.9	98.0	72.2	25.79	3.801	
7,150.0	7,068.4	7,127.0	7,069.3	22.9	19.7	-82.89	200.7	818.9	98.0	72.2	25.81	3.797	
7,167.6	7,086.0	7,144.6	7,086.9	22.9	19.8	-0.06	200.7	818.9	98.0	72.2	25.83	3.794	
7,175.0	7,093.4	7,152.0	7,094.3	22.9	19.8	-0.06	200.7	818.9	98.0	72.2	25.84	3.793	
7,200.0	7,118.4	7,177.0	7,119.3	22.9	19.8	-0.06	200.7	818.9	98.0	72.1	25.86	3.789	
7,225.0	7,143.4	7,202.0	7,144.3	22.9	19.8	-0.06	200.7	818.9	98.0	72.1	25.90	3.784	
7,250.0	7,168.4	7,227.0	7,169.3	22.9	19.8	-0.06	200.7	818.9	98.0	72.1	25.93	3.779	
7,275.0	7,193.4	7,252.0	7,194.3	23.0	19.8	-0.06	200.7	818.9	98.0	72.0	25.97	3.774	
7,300.0	7,218.4	7,277.0	7,219.3	23.0	19.8	-0.06	200.7	818.9	98.0	72.0	26.00	3.769	
7,325.0	7,243.4	7,302.0	7,244.3	23.0	19.8	-0.06	200.7	818.9	98.0	72.0	26.04	3.764	
7,350.0	7,268.4	7,327.0	7,269.3	23.0	19.8	-0.06	200.7	818.9	98.0	71.9	26.07	3.759	
7,375.0	7,293.4	7,352.0	7,294.3	23.0	19.8	-0.06	200.7	818.9	98.0	71.9	26.11	3.754	
7,400.0	7,318.4	7,377.0	7,319.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.9	26.14	3.749	
7,425.0	7,343.4	7,402.0	7,344.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.8	26.18	3.744	
7,450.0	7,368.4	7,427.0	7,369.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.8	26.21	3.739	
7,475.0	7,393.4	7,452.0	7,394.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.8	26.25	3.734	
7,500.0	7,418.4	7,477.0	7,419.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.7	26.28	3.729	
7,525.0	7,443.4	7,502.0	7,444.3	23.0	19.9	-0.06	200.7	818.9	98.0	71.7	26.32	3.724	
7,550.0	7,468.4	7,527.0	7,469.3	23.1	19.9	-0.06	200.7	818.9	98.0	71.6	26.35	3.719	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,575.0	7,493.4	7,552.0	7,494.3	23.1	19.9	-0.06	200.7	818.9	98.0	71.6	26.39	3.714	
7,600.0	7,518.4	7,577.0	7,519.3	23.1	19.9	-0.06	200.7	818.9	98.0	71.6	26.42	3.709	
7,625.0	7,543.4	7,602.0	7,544.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.5	26.46	3.704	
7,650.0	7,568.4	7,627.0	7,569.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.5	26.49	3.699	
7,675.0	7,593.4	7,652.0	7,594.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.5	26.53	3.695	
7,700.0	7,618.4	7,677.0	7,619.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.4	26.56	3.690	
7,725.0	7,643.4	7,702.0	7,644.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.4	26.60	3.685	
7,750.0	7,668.4	7,727.0	7,669.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.4	26.63	3.680	
7,775.0	7,693.4	7,752.0	7,694.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.3	26.67	3.675	
7,800.0	7,718.4	7,777.0	7,719.3	23.1	20.0	-0.06	200.7	818.9	98.0	71.3	26.70	3.670	
7,825.0	7,743.4	7,802.0	7,744.3	23.2	20.0	-0.06	200.7	818.9	98.0	71.3	26.74	3.665	
7,850.0	7,768.4	7,827.0	7,769.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.2	26.77	3.661	
7,875.0	7,793.4	7,852.0	7,794.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.2	26.81	3.656	
7,900.0	7,818.4	7,877.0	7,819.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.2	26.84	3.651	
7,925.0	7,843.4	7,902.0	7,844.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.1	26.88	3.646	
7,950.0	7,868.4	7,927.0	7,869.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.1	26.91	3.641	
7,975.0	7,893.4	7,952.0	7,894.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.1	26.95	3.637	
8,000.0	7,918.4	7,977.0	7,919.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.0	26.98	3.632	
8,025.0	7,943.4	8,002.0	7,944.3	23.2	20.1	-0.06	200.7	818.9	98.0	71.0	27.02	3.627	
8,050.0	7,968.4	8,027.0	7,969.3	23.2	20.1	-0.06	200.7	818.9	98.0	70.9	27.05	3.622	
8,075.0	7,993.4	8,052.0	7,994.3	23.2	20.2	-0.06	200.7	818.9	98.0	70.9	27.09	3.618	
8,100.0	8,018.4	8,077.0	8,019.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.9	27.12	3.613	
8,125.0	8,043.4	8,102.0	8,044.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.8	27.16	3.608	
8,150.0	8,068.4	8,127.0	8,069.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.8	27.20	3.604	
8,175.0	8,093.4	8,152.0	8,094.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.8	27.23	3.599	
8,200.0	8,118.4	8,177.0	8,119.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.7	27.27	3.594	
8,225.0	8,143.4	8,202.0	8,144.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.7	27.30	3.590	
8,250.0	8,168.4	8,227.0	8,169.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.7	27.34	3.585	
8,275.0	8,193.4	8,252.0	8,194.3	23.3	20.2	-0.06	200.7	818.9	98.0	70.6	27.37	3.580	
8,300.0	8,218.4	8,277.0	8,219.3	23.3	20.3	-0.06	200.7	818.9	98.0	70.6	27.41	3.576	
8,325.0	8,243.4	8,302.0	8,244.3	23.3	20.3	-0.06	200.7	818.9	98.0	70.6	27.44	3.571	
8,350.0	8,268.4	8,327.0	8,269.3	23.3	20.3	-0.06	200.7	818.9	98.0	70.5	27.48	3.566	
8,375.0	8,293.4	8,352.0	8,294.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.5	27.51	3.562	
8,400.0	8,318.4	8,377.0	8,319.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.5	27.55	3.557	
8,425.0	8,343.4	8,402.0	8,344.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.4	27.59	3.553	
8,450.0	8,368.4	8,427.0	8,369.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.4	27.62	3.548	
8,475.0	8,393.4	8,452.0	8,394.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.3	27.66	3.544	
8,500.0	8,418.4	8,477.0	8,419.3	23.4	20.3	-0.06	200.7	818.9	98.0	70.3	27.69	3.539	
8,525.0	8,443.4	8,502.0	8,444.3	23.4	20.4	-0.06	200.7	818.9	98.0	70.3	27.73	3.534	
8,550.0	8,468.4	8,527.0	8,469.3	23.4	20.4	-0.06	200.7	818.9	98.0	70.2	27.76	3.530	
8,575.0	8,493.4	8,552.0	8,494.3	23.4	20.4	-0.06	200.7	818.9	98.0	70.2	27.80	3.525	
8,600.0	8,518.4	8,577.0	8,519.3	23.4	20.4	-0.06	200.7	818.9	98.0	70.2	27.83	3.521	
8,625.0	8,543.4	8,602.0	8,544.3	23.5	20.4	-0.06	200.7	818.9	98.0	70.1	27.87	3.516	
8,650.0	8,568.4	8,627.0	8,569.3	23.5	20.4	-0.06	200.7	818.9	98.0	70.1	27.91	3.512	
8,675.0	8,593.4	8,652.0	8,594.3	23.5	20.4	-0.06	200.7	818.9	98.0	70.1	27.94	3.507	
8,700.0	8,618.4	8,677.0	8,619.3	23.5	20.4	-0.06	200.7	818.9	98.0	70.0	27.98	3.503	
8,725.0	8,643.4	8,702.0	8,644.3	23.5	20.5	-0.06	200.7	818.9	98.0	70.0	28.01	3.498	
8,750.0	8,668.4	8,727.0	8,669.3	23.5	20.5	-0.06	200.7	818.9	98.0	70.0	28.05	3.494	
8,775.0	8,693.4	8,752.0	8,694.3	23.5	20.5	-0.06	200.7	818.9	98.0	69.9	28.08	3.490	
8,800.0	8,718.4	8,777.0	8,719.3	23.5	20.5	-0.06	200.7	818.9	98.0	69.9	28.12	3.485	
8,825.0	8,743.4	8,802.0	8,744.3	23.5	20.5	-0.06	200.7	818.9	98.0	69.8	28.16	3.481	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,768.4	8,827.0	8,769.3	23.5	20.5	-0.06	200.7	818.9	98.0	69.8	28.19	3.476	
8,875.0	8,793.4	8,852.0	8,794.3	23.5	20.5	-0.06	200.7	818.9	98.0	69.8	28.23	3.472	
8,900.0	8,818.4	8,877.0	8,819.3	23.6	20.5	-0.06	200.7	818.9	98.0	69.7	28.26	3.468	
8,925.0	8,843.4	8,902.0	8,844.3	23.6	20.5	-0.06	200.7	818.9	98.0	69.7	28.30	3.463	
8,950.0	8,868.4	8,927.0	8,869.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.7	28.33	3.459	
8,975.0	8,893.4	8,952.0	8,894.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.6	28.37	3.454	
9,000.0	8,918.4	8,977.0	8,919.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.6	28.41	3.450	
9,025.0	8,943.4	9,002.0	8,944.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.6	28.44	3.446	
9,050.0	8,968.4	9,027.0	8,969.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.5	28.48	3.441	
9,075.0	8,993.4	9,052.0	8,994.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.5	28.51	3.437	
9,100.0	9,018.4	9,077.0	9,019.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.5	28.55	3.433	
9,125.0	9,043.4	9,102.0	9,044.3	23.6	20.6	-0.06	200.7	818.9	98.0	69.4	28.58	3.428	
9,150.0	9,068.4	9,127.0	9,069.3	23.7	20.7	-0.06	200.7	818.9	98.0	69.4	28.62	3.425	
9,175.0	9,093.4	9,152.0	9,094.3	23.7	20.7	-0.06	200.7	818.9	98.0	69.4	28.65	3.421	
9,200.0	9,118.4	9,177.0	9,119.3	23.7	20.7	-0.06	200.7	818.9	98.0	69.3	28.68	3.417	CC, ES, SF
9,225.0	9,143.4	9,198.1	9,140.4	23.7	20.7	-0.06	201.1	818.9	98.4	69.7	28.77	3.422	
9,250.0	9,168.4	9,218.8	9,161.0	23.7	20.7	-0.06	202.3	818.9	100.0	71.1	28.88	3.461	
9,275.0	9,193.4	9,239.3	9,181.4	23.7	20.7	-0.06	204.5	818.9	102.6	73.6	29.02	3.535	
9,300.0	9,218.4	9,259.6	9,201.5	23.7	20.7	-0.06	207.4	818.9	106.2	77.1	29.17	3.642	
9,325.0	9,243.4	9,279.6	9,221.1	23.7	20.7	-0.06	211.2	818.9	110.9	81.6	29.34	3.782	
9,350.0	9,268.4	9,300.0	9,241.0	23.7	20.7	-0.06	215.9	818.9	116.7	87.2	29.50	3.955	
9,375.0	9,293.4	9,318.5	9,258.8	23.7	20.7	-0.06	220.9	818.9	123.4	93.6	29.72	4.151	
9,400.0	9,318.4	9,337.3	9,276.7	23.8	20.7	-0.06	226.6	818.9	131.0	101.1	29.93	4.378	
9,425.0	9,343.4	9,355.6	9,293.9	23.8	20.7	-0.06	232.9	818.9	139.6	109.5	30.15	4.631	
9,450.0	9,368.4	9,375.0	9,311.8	23.8	20.7	-0.06	240.3	818.9	149.1	118.8	30.32	4.917	
9,475.0	9,393.4	9,390.6	9,326.0	23.8	20.7	-0.06	246.7	818.8	159.4	128.8	30.61	5.207	
9,500.0	9,418.4	9,407.2	9,341.0	23.8	20.7	-0.06	254.1	818.8	170.5	139.6	30.84	5.527	
9,525.0	9,443.4	9,425.0	9,356.6	23.8	20.7	-0.06	262.6	818.8	182.3	151.3	31.03	5.877	
9,550.0	9,468.4	9,438.8	9,368.5	23.8	20.7	-0.06	269.5	818.8	194.9	163.6	31.32	6.223	
9,575.0	9,493.4	9,450.0	9,378.0	23.8	20.7	-0.06	275.4	818.8	208.2	176.5	31.67	6.575	
9,600.0	9,518.4	9,468.0	9,393.0	23.8	20.7	-0.06	285.4	818.8	222.1	190.3	31.79	6.986	
9,625.0	9,543.4	9,481.8	9,404.2	23.8	20.7	-0.06	293.4	818.8	236.6	204.6	32.02	7.388	
9,650.0	9,568.4	9,495.0	9,414.7	23.9	20.7	-0.06	301.3	818.8	251.7	219.4	32.25	7.803	
9,675.0	9,593.4	9,507.6	9,424.6	23.9	20.7	-0.06	309.2	818.8	267.3	234.8	32.48	8.230	
9,700.0	9,618.4	9,519.7	9,433.9	23.9	20.7	-0.06	317.0	818.8	283.4	250.7	32.70	8.667	
9,725.0	9,643.4	9,531.4	9,442.6	23.9	20.7	-0.06	324.7	818.8	300.0	267.1	32.91	9.115	
9,750.0	9,668.4	9,542.5	9,450.7	23.9	20.7	-0.06	332.3	818.7	317.0	283.9	33.12	9.571	
9,775.0	9,693.4	9,550.0	9,456.1	23.9	20.7	-0.06	337.5	818.7	334.5	301.1	33.39	10.017	
9,800.0	9,718.4	9,563.3	9,465.5	23.9	20.7	-0.06	347.0	818.7	352.3	318.7	33.53	10.507	
9,825.0	9,743.4	9,575.0	9,473.5	23.9	20.7	-0.06	355.5	818.7	370.5	336.8	33.69	10.997	
9,850.0	9,768.4	9,582.4	9,478.5	23.9	20.7	-0.06	361.0	818.7	389.0	355.1	33.91	11.472	
9,875.0	9,793.4	9,591.4	9,484.4	23.9	20.7	-0.06	367.8	818.7	407.8	373.7	34.09	11.962	
9,900.0	9,818.4	9,600.0	9,489.9	24.0	20.7	-0.06	374.4	818.7	427.0	392.7	34.28	12.457	
9,925.0	9,843.4	9,608.2	9,495.1	24.0	20.7	-0.06	380.8	818.7	446.4	411.9	34.45	12.956	
9,950.0	9,868.4	9,616.1	9,499.9	24.0	20.8	-0.06	387.0	818.7	466.1	431.5	34.63	13.460	
9,975.0	9,893.4	9,625.0	9,505.3	24.0	20.8	-0.06	394.1	818.7	486.0	451.2	34.77	13.977	
10,000.0	9,918.4	9,625.0	9,505.3	24.0	20.8	-0.06	394.1	818.7	506.2	471.2	35.03	14.453	
10,025.0	9,943.4	9,637.8	9,512.8	24.0	20.8	-0.06	404.5	818.7	526.6	491.4	35.11	14.996	
10,050.0	9,968.4	9,650.0	9,519.6	24.0	20.8	-0.06	414.6	818.6	547.2	512.0	35.21	15.543	
10,075.0	9,993.4	9,650.0	9,519.6	24.0	20.8	-0.06	414.6	818.6	567.9	532.5	35.43	16.029	
10,100.0	10,018.4	9,657.1	9,523.5	24.0	20.8	-0.06	420.5	818.6	588.9	553.3	35.57	16.556	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,043.4	9,663.0	9,526.7	24.0	20.8	-0.06	425.5	818.6	610.0	574.3	35.71	17.080	
10,150.0	10,068.4	9,675.0	9,532.9	24.1	20.8	-0.06	435.7	818.6	631.4	595.6	35.80	17.639	
10,153.2	10,071.6	9,675.0	9,532.9	24.1	20.8	-0.06	435.7	818.6	634.1	598.3	35.82	17.701	
10,175.0	10,093.4	9,675.0	9,532.9	24.1	20.8	0.00	435.7	818.6	652.5	616.5	35.99	18.131	
10,200.0	10,118.3	9,675.0	9,532.9	24.1	20.8	0.00	435.7	818.6	673.2	637.0	36.18	18.608	
10,225.0	10,143.1	9,686.4	9,538.6	24.1	20.8	0.00	445.7	818.6	693.2	656.9	36.27	19.112	
10,250.0	10,167.7	9,700.0	9,545.0	24.1	20.8	0.00	457.6	818.6	712.7	676.4	36.35	19.609	
10,275.0	10,192.1	9,700.0	9,545.0	24.1	20.8	0.00	457.6	818.6	731.5	694.9	36.54	20.017	
10,300.0	10,216.1	9,700.0	9,545.0	24.1	20.8	0.00	457.6	818.6	749.7	713.0	36.73	20.410	
10,325.0	10,239.7	9,712.9	9,550.8	24.1	20.8	0.00	469.1	818.6	767.2	730.4	36.83	20.832	
10,350.0	10,262.9	9,725.0	9,556.0	24.1	20.8	0.00	480.1	818.6	784.1	747.1	36.93	21.231	
10,375.0	10,285.5	9,725.0	9,556.0	24.1	20.8	0.00	480.1	818.6	800.2	763.1	37.12	21.558	
10,400.0	10,307.5	9,734.5	9,559.8	24.1	20.8	0.00	488.7	818.6	815.6	778.3	37.24	21.901	
10,425.0	10,328.9	9,741.9	9,562.7	24.1	20.8	0.00	495.6	818.6	830.3	792.9	37.37	22.215	
10,450.0	10,349.6	9,750.0	9,565.8	24.1	20.8	0.00	503.1	818.5	844.2	806.7	37.50	22.510	
10,475.0	10,369.6	9,750.0	9,565.8	24.1	20.8	0.00	503.1	818.5	857.4	819.7	37.67	22.759	
10,500.0	10,388.7	9,764.8	9,571.0	24.1	20.8	0.00	516.9	818.5	869.7	831.9	37.76	23.032	
10,525.0	10,406.9	9,775.0	9,574.3	24.1	20.9	0.00	526.6	818.5	881.3	843.4	37.87	23.271	
10,550.0	10,424.3	9,775.0	9,574.3	24.1	20.9	0.00	526.6	818.5	892.1	854.1	38.03	23.459	
10,575.0	10,440.6	9,788.5	9,578.4	24.1	20.9	0.00	539.4	818.5	902.0	863.9	38.12	23.664	
10,600.0	10,456.0	9,800.0	9,581.6	24.1	20.9	0.00	550.5	818.5	911.2	873.0	38.21	23.844	
10,625.0	10,470.3	9,800.0	9,581.6	24.1	20.9	0.00	550.5	818.5	919.5	881.2	38.36	23.973	
10,650.0	10,483.5	9,812.7	9,584.9	24.1	20.9	0.00	562.8	818.5	927.0	888.5	38.44	24.114	
10,675.0	10,495.5	9,825.0	9,587.7	24.2	20.9	0.00	574.7	818.5	933.6	895.1	38.53	24.234	
10,700.0	10,506.4	9,825.0	9,587.7	24.2	20.9	0.00	574.7	818.5	939.4	900.8	38.65	24.306	
10,725.0	10,516.2	9,837.3	9,590.2	24.2	20.9	0.00	586.8	818.4	944.3	905.6	38.73	24.384	
10,750.0	10,524.7	9,850.0	9,592.4	24.2	20.9	0.00	599.3	818.4	948.4	909.6	38.80	24.444	
10,775.0	10,531.9	9,850.0	9,592.4	24.2	20.9	0.00	599.3	818.4	951.6	912.7	38.90	24.460	
10,800.0	10,537.9	9,862.2	9,594.3	24.3	20.9	0.00	611.3	818.4	953.9	914.9	38.97	24.479	
10,825.0	10,542.6	9,875.0	9,595.9	24.3	21.0	0.00	624.0	818.4	955.4	916.4	39.03	24.479	
10,850.0	10,546.1	9,875.0	9,595.9	24.3	21.0	0.00	624.0	818.4	956.0	916.8	39.11	24.440	
10,875.0	10,548.2	9,887.2	9,597.2	24.3	21.0	0.00	636.1	818.4	955.6	916.5	39.17	24.399	
10,898.5	10,549.0	9,900.0	9,598.1	24.4	21.0	0.00	648.9	818.4	954.6	915.4	39.21	24.345	
10,900.0	10,549.0	9,900.0	9,598.1	24.4	21.0	0.00	648.9	818.4	954.5	915.3	39.22	24.340	
10,925.0	10,549.3	9,900.0	9,598.1	24.4	21.0	0.00	648.9	818.4	953.2	913.9	39.28	24.268	
10,950.0	10,549.5	9,912.2	9,598.7	24.4	21.0	0.00	661.1	818.4	952.3	913.0	39.32	24.219	
10,975.0	10,549.8	9,925.6	9,599.0	24.5	21.0	0.00	674.5	818.3	951.9	912.6	39.36	24.185	
10,988.2	10,549.9	9,925.6	9,599.0	24.5	21.0	0.00	674.5	818.3	951.8	912.4	39.39	24.167	
11,000.0	10,550.0	9,935.5	9,599.1	24.5	21.0	0.00	684.4	818.3	951.9	912.5	39.40	24.159	
11,025.0	10,550.2	9,960.5	9,599.3	24.6	21.1	0.00	709.4	818.3	951.9	912.5	39.43	24.143	
11,050.0	10,550.5	9,985.5	9,599.5	24.6	21.1	0.00	734.4	818.3	952.0	912.5	39.46	24.126	
11,075.0	10,550.7	10,010.5	9,599.7	24.7	21.2	0.00	759.4	818.2	952.0	912.5	39.49	24.109	
11,100.0	10,551.0	10,035.5	9,599.8	24.7	21.2	0.00	784.4	818.2	952.1	912.5	39.52	24.091	
11,125.0	10,551.2	10,060.5	9,600.0	24.8	21.3	0.00	809.4	818.2	952.1	912.6	39.55	24.071	
11,150.0	10,551.5	10,085.5	9,600.2	24.8	21.3	0.00	834.4	818.2	952.2	912.6	39.59	24.051	
11,175.0	10,551.7	10,110.5	9,600.4	24.9	21.4	0.00	859.3	818.1	952.2	912.6	39.62	24.031	
11,200.0	10,552.0	10,135.5	9,600.6	24.9	21.4	0.00	884.3	818.1	952.3	912.6	39.66	24.010	
11,225.0	10,552.2	10,160.5	9,600.8	25.0	21.5	0.00	909.3	818.1	952.3	912.6	39.70	23.987	
11,250.0	10,552.5	10,185.5	9,601.0	25.0	21.5	0.00	934.3	818.0	952.4	912.6	39.74	23.964	
11,275.0	10,552.7	10,210.5	9,601.2	25.1	21.6	0.00	959.3	818.0	952.4	912.7	39.78	23.941	
11,300.0	10,553.0	10,235.5	9,601.4	25.2	21.7	0.00	984.3	818.0	952.5	912.7	39.82	23.917	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
11,325.0	10,553.2	10,260.5	9,601.6	25.2	21.7	0.00	1,009.3	818.0	952.5	912.7	39.87	23.891	
11,350.0	10,553.4	10,285.5	9,601.8	25.3	21.8	0.00	1,034.3	817.9	952.6	912.7	39.91	23.866	
11,375.0	10,553.7	10,310.5	9,602.0	25.4	21.9	0.00	1,059.3	817.9	952.6	912.7	39.96	23.840	
11,400.0	10,553.9	10,335.5	9,602.2	25.4	22.0	0.00	1,084.3	817.9	952.7	912.7	40.01	23.813	
11,425.0	10,554.2	10,360.5	9,602.4	25.5	22.0	0.00	1,109.3	817.8	952.8	912.7	40.06	23.785	
11,450.0	10,554.4	10,385.5	9,602.6	25.6	22.1	0.00	1,134.3	817.8	952.8	912.7	40.11	23.757	
11,475.0	10,554.7	10,410.5	9,602.8	25.6	22.2	0.00	1,159.3	817.8	952.9	912.7	40.16	23.728	
11,500.0	10,554.9	10,435.5	9,602.9	25.7	22.3	0.00	1,184.3	817.7	952.9	912.7	40.21	23.699	
11,525.0	10,555.2	10,460.5	9,603.1	25.8	22.3	0.00	1,209.3	817.7	953.0	912.7	40.26	23.668	
11,550.0	10,555.4	10,485.5	9,603.3	25.9	22.4	0.00	1,234.3	817.7	953.0	912.7	40.32	23.638	
11,575.0	10,555.7	10,510.5	9,603.5	26.0	22.5	0.00	1,259.3	817.7	953.1	912.7	40.37	23.607	
11,600.0	10,555.9	10,535.5	9,603.7	26.0	22.6	0.00	1,284.3	817.6	953.1	912.7	40.43	23.575	
11,625.0	10,556.2	10,560.5	9,603.9	26.1	22.7	0.00	1,309.3	817.6	953.2	912.7	40.49	23.542	
11,650.0	10,556.4	10,585.5	9,604.1	26.2	22.8	0.00	1,334.3	817.6	953.2	912.7	40.55	23.509	
11,675.0	10,556.6	10,610.5	9,604.3	26.3	22.9	0.00	1,359.3	817.5	953.3	912.7	40.61	23.475	
11,700.0	10,556.9	10,635.5	9,604.5	26.4	23.0	0.00	1,384.3	817.5	953.3	912.7	40.67	23.441	
11,725.0	10,557.1	10,660.5	9,604.7	26.5	23.1	0.00	1,409.3	817.5	953.4	912.7	40.73	23.406	
11,750.0	10,557.4	10,685.5	9,604.9	26.6	23.2	0.00	1,434.3	817.5	953.4	912.6	40.80	23.370	
11,775.0	10,557.6	10,710.5	9,605.1	26.7	23.3	0.00	1,459.3	817.4	953.5	912.6	40.86	23.335	
11,800.0	10,557.9	10,735.5	9,605.3	26.7	23.4	0.00	1,484.3	817.4	953.5	912.6	40.93	23.298	
11,825.0	10,558.1	10,760.5	9,605.5	26.8	23.5	0.00	1,509.3	817.4	953.6	912.6	41.00	23.261	
11,850.0	10,558.4	10,785.5	9,605.7	26.9	23.6	0.00	1,534.3	817.3	953.6	912.6	41.06	23.223	
11,875.0	10,558.6	10,810.5	9,605.8	27.0	23.7	0.00	1,559.3	817.3	953.7	912.6	41.13	23.186	
11,900.0	10,558.9	10,835.5	9,606.0	27.1	23.8	0.00	1,584.3	817.3	953.8	912.5	41.20	23.147	
11,925.0	10,559.1	10,860.5	9,606.2	27.2	23.9	0.00	1,609.3	817.3	953.8	912.5	41.28	23.108	
11,950.0	10,559.4	10,885.5	9,606.4	27.3	24.0	0.00	1,634.3	817.2	953.9	912.5	41.35	23.068	
11,975.0	10,559.6	10,910.5	9,606.6	27.5	24.1	0.00	1,659.3	817.2	953.9	912.5	41.42	23.029	
12,000.0	10,559.8	10,935.5	9,606.8	27.6	24.2	0.00	1,684.3	817.2	954.0	912.5	41.50	22.989	
12,025.0	10,560.1	10,960.5	9,607.0	27.7	24.3	0.00	1,709.3	817.1	954.0	912.4	41.57	22.947	
12,050.0	10,560.3	10,985.5	9,607.2	27.8	24.4	0.00	1,734.3	817.1	954.1	912.4	41.65	22.906	
12,075.0	10,560.6	11,010.5	9,607.4	27.9	24.6	0.00	1,759.3	817.1	954.1	912.4	41.73	22.864	
12,100.0	10,560.8	11,035.5	9,607.6	28.0	24.7	0.00	1,784.3	817.0	954.2	912.4	41.81	22.822	
12,125.0	10,561.1	11,060.5	9,607.8	28.1	24.8	0.00	1,809.3	817.0	954.2	912.3	41.89	22.779	
12,150.0	10,561.3	11,085.5	9,608.0	28.2	24.9	0.00	1,834.3	817.0	954.3	912.3	41.97	22.736	
12,175.0	10,561.6	11,110.5	9,608.2	28.3	25.0	0.00	1,859.3	817.0	954.3	912.3	42.05	22.693	
12,200.0	10,561.8	11,135.5	9,608.4	28.4	25.2	0.00	1,884.3	816.9	954.4	912.3	42.14	22.650	
12,225.0	10,562.1	11,160.5	9,608.6	28.6	25.3	0.00	1,909.3	816.9	954.4	912.2	42.22	22.605	
12,250.0	10,562.3	11,185.5	9,608.7	28.7	25.4	0.00	1,934.3	816.9	954.5	912.2	42.31	22.561	
12,275.0	10,562.6	11,210.5	9,608.9	28.8	25.5	0.00	1,959.3	816.8	954.5	912.2	42.39	22.516	
12,300.0	10,562.8	11,235.5	9,609.1	28.9	25.7	0.00	1,984.3	816.8	954.6	912.1	42.48	22.471	
12,325.0	10,563.1	11,260.5	9,609.3	29.0	25.8	0.00	2,009.3	816.8	954.7	912.1	42.57	22.425	
12,350.0	10,563.3	11,285.5	9,609.5	29.2	25.9	0.00	2,034.3	816.8	954.7	912.0	42.66	22.379	
12,375.0	10,563.5	11,310.5	9,609.7	29.3	26.1	0.00	2,059.3	816.7	954.8	912.0	42.75	22.333	
12,400.0	10,563.8	11,335.5	9,609.9	29.4	26.2	0.00	2,084.3	816.7	954.8	912.0	42.84	22.286	
12,425.0	10,564.0	11,360.5	9,610.1	29.5	26.3	0.00	2,109.3	816.7	954.9	911.9	42.94	22.239	
12,450.0	10,564.3	11,385.5	9,610.3	29.7	26.5	0.00	2,134.3	816.6	954.9	911.9	43.03	22.192	
12,475.0	10,564.5	11,410.5	9,610.5	29.8	26.6	0.00	2,159.3	816.6	955.0	911.8	43.12	22.145	
12,500.0	10,564.8	11,435.5	9,610.7	29.9	26.7	0.00	2,184.3	816.6	955.0	911.8	43.22	22.097	
12,525.0	10,565.0	11,460.5	9,610.9	30.0	26.9	0.00	2,209.3	816.5	955.1	911.8	43.32	22.049	
12,550.0	10,565.3	11,485.5	9,611.1	30.2	27.0	0.00	2,234.3	816.5	955.1	911.7	43.41	22.000	
12,575.0	10,565.5	11,510.5	9,611.3	30.3	27.2	0.00	2,259.3	816.5	955.2	911.7	43.51	21.952	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
12,600.0	10,565.8	11,535.5	9,611.5	30.4	27.3	0.00	2,284.3	816.5	955.2	911.6	43.61	21.903	
12,625.0	10,566.0	11,560.5	9,611.6	30.6	27.4	0.00	2,309.3	816.4	955.3	911.6	43.71	21.854	
12,650.0	10,566.3	11,585.5	9,611.8	30.7	27.6	0.00	2,334.3	816.4	955.3	911.5	43.81	21.805	
12,675.0	10,566.5	11,610.5	9,612.0	30.8	27.7	0.00	2,359.3	816.4	955.4	911.5	43.92	21.755	
12,700.0	10,566.7	11,635.5	9,612.2	31.0	27.9	0.00	2,384.3	816.3	955.4	911.4	44.02	21.706	
12,725.0	10,567.0	11,660.5	9,612.4	31.1	28.0	0.00	2,409.3	816.3	955.5	911.4	44.12	21.655	
12,750.0	10,567.2	11,685.5	9,612.6	31.3	28.2	0.00	2,434.3	816.3	955.5	911.3	44.23	21.605	
12,775.0	10,567.5	11,710.5	9,612.8	31.4	28.3	0.00	2,459.3	816.3	955.6	911.3	44.33	21.555	
12,800.0	10,567.7	11,735.5	9,613.0	31.5	28.5	0.00	2,484.3	816.2	955.7	911.2	44.44	21.504	
12,825.0	10,568.0	11,760.5	9,613.2	31.7	28.6	0.00	2,509.3	816.2	955.7	911.2	44.55	21.453	
12,850.0	10,568.2	11,785.5	9,613.4	31.8	28.8	0.00	2,534.3	816.2	955.8	911.1	44.66	21.402	
12,875.0	10,568.5	11,810.5	9,613.6	32.0	28.9	0.00	2,559.3	816.1	955.8	911.0	44.77	21.352	
12,900.0	10,568.7	11,835.5	9,613.8	32.1	29.1	0.00	2,584.3	816.1	955.9	911.0	44.88	21.300	
12,925.0	10,569.0	11,860.5	9,614.0	32.2	29.2	0.00	2,609.3	816.1	955.9	910.9	44.99	21.249	
12,950.0	10,569.2	11,885.5	9,614.2	32.4	29.4	0.00	2,634.3	816.1	956.0	910.9	45.10	21.197	
12,975.0	10,569.5	11,910.5	9,614.4	32.5	29.5	0.00	2,659.3	816.0	956.0	910.8	45.21	21.146	
13,000.0	10,569.7	11,935.5	9,614.6	32.7	29.7	0.00	2,684.3	816.0	956.1	910.8	45.32	21.094	
13,025.0	10,569.9	11,960.5	9,614.7	32.8	29.8	0.00	2,709.3	816.0	956.1	910.7	45.44	21.042	
13,050.0	10,570.2	11,985.5	9,614.9	33.0	30.0	0.00	2,734.3	815.9	956.2	910.6	45.55	20.990	
13,075.0	10,570.4	12,010.5	9,615.1	33.1	30.2	0.00	2,759.3	815.9	956.2	910.6	45.67	20.938	
13,100.0	10,570.7	12,035.5	9,615.3	33.3	30.3	0.00	2,784.3	815.9	956.3	910.5	45.79	20.885	
13,125.0	10,570.9	12,060.5	9,615.5	33.4	30.5	0.00	2,809.3	815.8	956.3	910.4	45.91	20.833	
13,150.0	10,571.2	12,085.5	9,615.7	33.6	30.6	0.00	2,834.3	815.8	956.4	910.4	46.02	20.780	
13,175.0	10,571.4	12,110.5	9,615.9	33.7	30.8	0.00	2,859.3	815.8	956.4	910.3	46.14	20.728	
13,200.0	10,571.7	12,135.5	9,616.1	33.9	30.9	0.00	2,884.3	815.8	956.5	910.2	46.26	20.675	
13,225.0	10,571.9	12,160.5	9,616.3	34.0	31.1	0.00	2,909.3	815.7	956.6	910.2	46.38	20.622	
13,250.0	10,572.2	12,185.5	9,616.5	34.2	31.3	0.00	2,934.3	815.7	956.6	910.1	46.51	20.570	
13,275.0	10,572.4	12,210.5	9,616.7	34.3	31.4	0.00	2,959.3	815.7	956.7	910.0	46.63	20.517	
13,300.0	10,572.7	12,235.5	9,616.9	34.5	31.6	0.00	2,984.3	815.6	956.7	910.0	46.75	20.464	
13,325.0	10,572.9	12,260.5	9,617.1	34.6	31.8	0.00	3,009.3	815.6	956.8	909.9	46.88	20.411	
13,350.0	10,573.1	12,285.5	9,617.3	34.8	31.9	0.00	3,034.3	815.6	956.8	909.8	47.00	20.358	
13,375.0	10,573.4	12,310.5	9,617.5	34.9	32.1	0.00	3,059.3	815.6	956.9	909.7	47.12	20.305	
13,400.0	10,573.6	12,335.5	9,617.6	35.1	32.3	0.00	3,084.3	815.5	956.9	909.7	47.25	20.252	
13,425.0	10,573.9	12,360.5	9,617.8	35.3	32.4	0.00	3,109.3	815.5	957.0	909.6	47.38	20.199	
13,450.0	10,574.1	12,385.5	9,618.0	35.4	32.6	0.00	3,134.3	815.5	957.0	909.5	47.51	20.146	
13,475.0	10,574.4	12,410.5	9,618.2	35.6	32.8	0.00	3,159.3	815.4	957.1	909.4	47.63	20.093	
13,500.0	10,574.6	12,435.5	9,618.4	35.7	32.9	0.00	3,184.3	815.4	957.1	909.4	47.76	20.039	
13,525.0	10,574.9	12,460.5	9,618.6	35.9	33.1	0.00	3,209.3	815.4	957.2	909.3	47.89	19.986	
13,550.0	10,575.1	12,485.5	9,618.8	36.1	33.3	0.00	3,234.3	815.3	957.2	909.2	48.02	19.933	
13,575.0	10,575.4	12,510.5	9,619.0	36.2	33.4	0.00	3,259.3	815.3	957.3	909.1	48.15	19.880	
13,600.0	10,575.6	12,535.5	9,619.2	36.4	33.6	0.00	3,284.3	815.3	957.3	909.1	48.29	19.827	
13,625.0	10,575.9	12,560.5	9,619.4	36.5	33.8	0.00	3,309.3	815.3	957.4	909.0	48.42	19.773	
13,650.0	10,576.1	12,585.5	9,619.6	36.7	33.9	0.00	3,334.3	815.2	957.5	908.9	48.55	19.720	
13,675.0	10,576.3	12,610.5	9,619.8	36.9	34.1	0.00	3,359.3	815.2	957.5	908.8	48.69	19.667	
13,700.0	10,576.6	12,635.5	9,620.0	37.0	34.3	0.00	3,384.3	815.2	957.6	908.7	48.82	19.614	
13,725.0	10,576.8	12,660.5	9,620.2	37.2	34.5	0.00	3,409.3	815.1	957.6	908.7	48.96	19.561	
13,750.0	10,577.1	12,685.5	9,620.4	37.4	34.6	0.00	3,434.3	815.1	957.7	908.6	49.09	19.508	
13,775.0	10,577.3	12,710.5	9,620.5	37.5	34.8	0.00	3,459.3	815.1	957.7	908.5	49.23	19.455	
13,800.0	10,577.6	12,735.5	9,620.7	37.7	35.0	0.00	3,484.3	815.1	957.8	908.4	49.36	19.402	
13,825.0	10,577.8	12,760.5	9,620.9	37.9	35.2	0.00	3,509.3	815.0	957.8	908.3	49.50	19.349	
13,850.0	10,578.1	12,785.5	9,621.1	38.0	35.3	0.00	3,534.3	815.0	957.9	908.2	49.64	19.296	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
13,875.0	10,578.3	12,810.5	9,621.3	38.2	35.5	0.00	3,559.3	815.0	957.9	908.1	49.78	19.243	
13,900.0	10,578.6	12,835.5	9,621.5	38.4	35.7	0.00	3,584.3	814.9	958.0	908.1	49.92	19.191	
13,925.0	10,578.8	12,860.5	9,621.7	38.5	35.9	0.00	3,609.3	814.9	958.0	908.0	50.06	19.138	
13,950.0	10,579.1	12,885.5	9,621.9	38.7	36.0	0.00	3,634.3	814.9	958.1	907.9	50.20	19.085	
13,975.0	10,579.3	12,910.5	9,622.1	38.9	36.2	0.00	3,659.3	814.9	958.1	907.8	50.34	19.033	
14,000.0	10,579.5	12,935.5	9,622.3	39.0	36.4	0.00	3,684.3	814.8	958.2	907.7	50.48	18.980	
14,025.0	10,579.8	12,960.5	9,622.5	39.2	36.6	0.00	3,709.3	814.8	958.2	907.6	50.63	18.927	
14,050.0	10,580.0	12,985.5	9,622.7	39.4	36.7	0.00	3,734.3	814.8	958.3	907.5	50.77	18.875	
14,075.0	10,580.3	13,010.5	9,622.9	39.5	36.9	0.00	3,759.3	814.7	958.3	907.4	50.91	18.823	
14,100.0	10,580.5	13,035.5	9,623.1	39.7	37.1	0.00	3,784.3	814.7	958.4	907.3	51.06	18.771	
14,125.0	10,580.8	13,060.5	9,623.3	39.9	37.3	0.00	3,809.3	814.7	958.5	907.3	51.20	18.718	
14,150.0	10,581.0	13,085.5	9,623.4	40.1	37.5	0.00	3,834.3	814.6	958.5	907.2	51.35	18.666	
14,175.0	10,581.3	13,110.5	9,623.6	40.2	37.6	0.00	3,859.3	814.6	958.6	907.1	51.50	18.614	
14,200.0	10,581.5	13,135.5	9,623.8	40.4	37.8	0.00	3,884.3	814.6	958.6	907.0	51.64	18.563	
14,225.0	10,581.8	13,160.5	9,624.0	40.6	38.0	0.00	3,909.2	814.6	958.7	906.9	51.79	18.511	
14,250.0	10,582.0	13,185.5	9,624.2	40.7	38.2	0.00	3,934.2	814.5	958.7	906.8	51.94	18.459	
14,275.0	10,582.3	13,210.5	9,624.4	40.9	38.4	0.00	3,959.2	814.5	958.8	906.7	52.09	18.408	
14,300.0	10,582.5	13,235.5	9,624.6	41.1	38.5	0.00	3,984.2	814.5	958.8	906.6	52.23	18.356	
14,325.0	10,582.8	13,260.5	9,624.8	41.3	38.7	0.00	4,009.2	814.4	958.9	906.5	52.38	18.305	
14,350.0	10,583.0	13,285.5	9,625.0	41.4	38.9	0.00	4,034.2	814.4	958.9	906.4	52.53	18.253	
14,375.0	10,583.2	13,310.5	9,625.2	41.6	39.1	0.00	4,059.2	814.4	959.0	906.3	52.68	18.202	
14,400.0	10,583.5	13,335.5	9,625.4	41.8	39.3	0.00	4,084.2	814.4	959.0	906.2	52.84	18.151	
14,425.0	10,583.7	13,360.4	9,625.6	42.0	39.5	0.00	4,109.2	814.3	959.1	906.1	52.99	18.100	
14,450.0	10,584.0	13,385.4	9,625.8	42.1	39.6	0.00	4,134.2	814.3	959.1	906.0	53.14	18.049	
14,475.0	10,584.2	13,410.4	9,626.0	42.3	39.8	0.00	4,159.2	814.3	959.2	905.9	53.29	17.999	
14,500.0	10,584.5	13,435.4	9,626.2	42.5	40.0	0.00	4,184.2	814.2	959.2	905.8	53.45	17.948	
14,525.0	10,584.7	13,460.4	9,626.4	42.7	40.2	0.00	4,209.2	814.2	959.3	905.7	53.60	17.898	
14,550.0	10,585.0	13,485.4	9,626.5	42.9	40.4	0.00	4,234.2	814.2	959.4	905.6	53.75	17.847	
14,575.0	10,585.2	13,510.4	9,626.7	43.0	40.6	0.00	4,259.2	814.2	959.4	905.5	53.91	17.797	
14,600.0	10,585.5	13,535.4	9,626.9	43.2	40.8	0.00	4,284.2	814.1	959.5	905.4	54.06	17.747	
14,625.0	10,585.7	13,560.4	9,627.1	43.4	40.9	0.00	4,309.2	814.1	959.5	905.3	54.22	17.697	
14,650.0	10,586.0	13,585.4	9,627.3	43.6	41.1	0.00	4,334.2	814.1	959.6	905.2	54.38	17.647	
14,675.0	10,586.2	13,610.4	9,627.5	43.8	41.3	0.00	4,359.2	814.0	959.6	905.1	54.53	17.597	
14,700.0	10,586.4	13,635.4	9,627.7	43.9	41.5	0.00	4,384.2	814.0	959.7	905.0	54.69	17.548	
14,725.0	10,586.7	13,660.4	9,627.9	44.1	41.7	0.00	4,409.2	814.0	959.7	904.9	54.85	17.498	
14,750.0	10,586.9	13,685.4	9,628.1	44.3	41.9	0.00	4,434.2	813.9	959.8	904.8	55.00	17.449	
14,775.0	10,587.2	13,710.4	9,628.3	44.5	42.1	0.00	4,459.2	813.9	959.8	904.7	55.16	17.400	
14,800.0	10,587.4	13,735.4	9,628.5	44.7	42.2	0.00	4,484.2	813.9	959.9	904.6	55.32	17.351	
14,825.0	10,587.7	13,760.4	9,628.7	44.8	42.4	0.00	4,509.2	813.9	959.9	904.5	55.48	17.302	
14,850.0	10,587.9	13,785.4	9,628.9	45.0	42.6	0.00	4,534.2	813.8	960.0	904.3	55.64	17.253	
14,875.0	10,588.2	13,810.4	9,629.1	45.2	42.8	0.00	4,559.2	813.8	960.0	904.2	55.80	17.205	
14,900.0	10,588.4	13,835.4	9,629.3	45.4	43.0	0.00	4,584.2	813.8	960.1	904.1	55.96	17.156	
14,925.0	10,588.7	13,860.4	9,629.4	45.6	43.2	0.00	4,609.2	813.7	960.1	904.0	56.12	17.108	
14,950.0	10,588.9	13,885.4	9,629.6	45.7	43.4	0.00	4,634.2	813.7	960.2	903.9	56.28	17.060	
14,975.0	10,589.2	13,910.4	9,629.8	45.9	43.6	0.00	4,659.2	813.7	960.2	903.8	56.45	17.012	
15,000.0	10,589.4	13,935.4	9,630.0	46.1	43.8	0.00	4,684.2	813.7	960.3	903.7	56.61	16.964	
15,025.0	10,589.6	13,960.4	9,630.2	46.3	43.9	0.00	4,709.2	813.6	960.4	903.6	56.77	16.916	
15,050.0	10,589.9	13,985.4	9,630.4	46.5	44.1	0.00	4,734.2	813.6	960.4	903.5	56.94	16.868	
15,075.0	10,590.1	14,010.4	9,630.6	46.7	44.3	0.00	4,759.2	813.6	960.5	903.4	57.10	16.821	
15,100.0	10,590.4	14,035.4	9,630.8	46.8	44.5	0.00	4,784.2	813.5	960.5	903.3	57.26	16.774	
15,125.0	10,590.6	14,060.4	9,631.0	47.0	44.7	0.00	4,809.2	813.5	960.6	903.1	57.43	16.727	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
15,150.0	10,590.9	14,085.4	9,631.2	47.2	44.9	0.00	4,834.2	813.5	960.6	903.0	57.59	16.680	
15,175.0	10,591.1	14,110.4	9,631.4	47.4	45.1	0.00	4,859.2	813.4	960.7	902.9	57.76	16.633	
15,200.0	10,591.4	14,135.4	9,631.6	47.6	45.3	0.00	4,884.2	813.4	960.7	902.8	57.92	16.586	
15,225.0	10,591.6	14,160.4	9,631.8	47.8	45.5	0.00	4,909.2	813.4	960.8	902.7	58.09	16.539	
15,250.0	10,591.9	14,185.4	9,632.0	48.0	45.7	0.00	4,934.2	813.4	960.8	902.6	58.26	16.493	
15,275.0	10,592.1	14,210.4	9,632.2	48.1	45.9	0.00	4,959.2	813.3	960.9	902.5	58.42	16.447	
15,300.0	10,592.4	14,235.4	9,632.3	48.3	46.0	0.00	4,984.2	813.3	960.9	902.3	58.59	16.401	
15,325.0	10,592.6	14,260.4	9,632.5	48.5	46.2	0.00	5,009.2	813.3	961.0	902.2	58.76	16.355	
15,350.0	10,592.8	14,285.4	9,632.7	48.7	46.4	0.00	5,034.2	813.2	961.0	902.1	58.93	16.309	
15,375.0	10,593.1	14,310.4	9,632.9	48.9	46.6	0.00	5,059.2	813.2	961.1	902.0	59.09	16.264	
15,400.0	10,593.3	14,335.4	9,633.1	49.1	46.8	0.00	5,084.2	813.2	961.1	901.9	59.26	16.218	
15,425.0	10,593.6	14,360.4	9,633.3	49.3	47.0	0.00	5,109.2	813.2	961.2	901.8	59.43	16.173	
15,450.0	10,593.8	14,385.4	9,633.5	49.4	47.2	0.00	5,134.2	813.1	961.3	901.7	59.60	16.128	
15,475.0	10,594.1	14,410.4	9,633.7	49.6	47.4	0.00	5,159.2	813.1	961.3	901.5	59.77	16.083	
15,500.0	10,594.3	14,435.4	9,633.9	49.8	47.6	0.00	5,184.2	813.1	961.4	901.4	59.94	16.038	
15,525.0	10,594.6	14,460.4	9,634.1	50.0	47.8	0.00	5,209.2	813.0	961.4	901.3	60.11	15.993	
15,550.0	10,594.8	14,485.4	9,634.3	50.2	48.0	0.00	5,234.2	813.0	961.5	901.2	60.28	15.949	
15,575.0	10,595.1	14,510.4	9,634.5	50.4	48.2	0.00	5,259.2	813.0	961.5	901.1	60.46	15.905	
15,600.0	10,595.3	14,535.4	9,634.7	50.6	48.4	0.00	5,284.2	813.0	961.6	900.9	60.63	15.860	
15,625.0	10,595.6	14,560.4	9,634.9	50.8	48.6	0.00	5,309.2	812.9	961.6	900.8	60.80	15.816	
15,650.0	10,595.8	14,585.4	9,635.1	51.0	48.8	0.00	5,334.2	812.9	961.7	900.7	60.97	15.773	
15,675.0	10,596.0	14,610.4	9,635.2	51.1	49.0	0.00	5,359.2	812.9	961.7	900.6	61.14	15.729	
15,700.0	10,596.3	14,635.4	9,635.4	51.3	49.1	0.00	5,384.2	812.8	961.8	900.5	61.32	15.685	
15,725.0	10,596.5	14,660.4	9,635.6	51.5	49.3	0.00	5,409.2	812.8	961.8	900.3	61.49	15.642	
15,750.0	10,596.8	14,685.4	9,635.8	51.7	49.5	0.00	5,434.2	812.8	961.9	900.2	61.66	15.599	
15,775.0	10,597.0	14,710.4	9,636.0	51.9	49.7	0.00	5,459.2	812.7	961.9	900.1	61.84	15.556	
15,800.0	10,597.3	14,735.4	9,636.2	52.1	49.9	0.00	5,484.2	812.7	962.0	900.0	62.01	15.513	
15,825.0	10,597.5	14,760.4	9,636.4	52.3	50.1	0.00	5,509.2	812.7	962.0	899.9	62.19	15.470	
15,850.0	10,597.8	14,785.4	9,636.6	52.5	50.3	0.00	5,534.2	812.7	962.1	899.7	62.36	15.428	
15,875.0	10,598.0	14,810.4	9,636.8	52.7	50.5	0.00	5,559.2	812.6	962.2	899.6	62.54	15.385	
15,900.0	10,598.3	14,835.4	9,637.0	52.9	50.7	0.00	5,584.2	812.6	962.2	899.5	62.71	15.343	
15,925.0	10,598.5	14,860.4	9,637.2	53.0	50.9	0.00	5,609.2	812.6	962.3	899.4	62.89	15.301	
15,950.0	10,598.8	14,885.4	9,637.4	53.2	51.1	0.00	5,634.2	812.5	962.3	899.2	63.07	15.259	
15,975.0	10,599.0	14,910.4	9,637.6	53.4	51.3	0.00	5,659.2	812.5	962.4	899.1	63.24	15.217	
16,000.0	10,599.2	14,935.4	9,637.8	53.6	51.5	0.00	5,684.2	812.5	962.4	899.0	63.42	15.176	
16,025.0	10,599.5	14,960.4	9,638.0	53.8	51.7	0.00	5,709.2	812.5	962.5	898.9	63.60	15.134	
16,050.0	10,599.7	14,985.4	9,638.1	54.0	51.9	0.00	5,734.2	812.4	962.5	898.7	63.77	15.093	
16,075.0	10,600.0	15,010.4	9,638.3	54.2	52.1	0.00	5,759.2	812.4	962.6	898.6	63.95	15.052	
16,100.0	10,600.2	15,035.4	9,638.5	54.4	52.3	0.00	5,784.2	812.4	962.6	898.5	64.13	15.011	
16,125.0	10,600.5	15,060.4	9,638.7	54.6	52.5	0.00	5,809.2	812.3	962.7	898.4	64.31	14.970	
16,150.0	10,600.7	15,085.4	9,638.9	54.8	52.7	0.00	5,834.2	812.3	962.7	898.2	64.49	14.929	
16,175.0	10,601.0	15,110.4	9,639.1	55.0	52.9	0.00	5,859.2	812.3	962.8	898.1	64.66	14.889	
16,200.0	10,601.2	15,135.4	9,639.3	55.2	53.1	0.00	5,884.2	812.2	962.8	898.0	64.84	14.849	
16,225.0	10,601.5	15,160.4	9,639.5	55.4	53.3	0.00	5,909.2	812.2	962.9	897.9	65.02	14.808	
16,250.0	10,601.7	15,185.4	9,639.7	55.6	53.5	0.00	5,934.2	812.2	962.9	897.7	65.20	14.768	
16,275.0	10,602.0	15,210.4	9,639.9	55.7	53.7	0.00	5,959.2	812.2	963.0	897.6	65.38	14.729	
16,300.0	10,602.2	15,235.4	9,640.1	55.9	53.9	0.00	5,984.2	812.1	963.0	897.5	65.56	14.689	
16,325.0	10,602.5	15,260.4	9,640.3	56.1	54.1	0.00	6,009.2	812.1	963.1	897.4	65.74	14.649	
16,350.0	10,602.7	15,285.4	9,640.5	56.3	54.3	0.00	6,034.2	812.1	963.2	897.2	65.92	14.610	
16,375.0	10,602.9	15,310.4	9,640.7	56.5	54.5	0.00	6,059.2	812.0	963.2	897.1	66.11	14.571	
16,400.0	10,603.2	15,335.4	9,640.9	56.7	54.7	0.00	6,084.2	812.0	963.3	897.0	66.29	14.532	

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

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Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
16,425.0	10,603.4	15,360.4	9,641.1	56.9	54.9	0.00	6,109.2	812.0	963.3	896.8	66.47	14.493	
16,450.0	10,603.7	15,385.4	9,641.2	57.1	55.1	0.00	6,134.2	812.0	963.4	896.7	66.65	14.454	
16,475.0	10,603.9	15,410.4	9,641.4	57.3	55.3	0.00	6,159.2	811.9	963.4	896.6	66.83	14.415	
16,500.0	10,604.2	15,435.4	9,641.6	57.5	55.5	0.00	6,184.2	811.9	963.5	896.5	67.01	14.377	
16,525.0	10,604.4	15,460.4	9,641.8	57.7	55.7	0.00	6,209.2	811.9	963.5	896.3	67.20	14.339	
16,550.0	10,604.7	15,485.4	9,642.0	57.9	55.9	0.00	6,234.2	811.8	963.6	896.2	67.38	14.300	
16,575.0	10,604.9	15,510.4	9,642.2	58.1	56.1	0.00	6,259.2	811.8	963.6	896.1	67.56	14.263	
16,600.0	10,605.2	15,535.4	9,642.4	58.3	56.3	0.00	6,284.2	811.8	963.7	895.9	67.75	14.225	
16,625.0	10,605.4	15,560.4	9,642.6	58.5	56.5	0.00	6,309.2	811.8	963.7	895.8	67.93	14.187	
16,650.0	10,605.7	15,585.4	9,642.8	58.7	56.7	0.00	6,334.2	811.7	963.8	895.7	68.11	14.149	
16,675.0	10,605.9	15,610.4	9,643.0	58.9	56.9	0.00	6,359.2	811.7	963.8	895.5	68.30	14.112	
16,700.0	10,606.1	15,635.4	9,643.2	59.1	57.1	0.00	6,384.2	811.7	963.9	895.4	68.48	14.075	
16,725.0	10,606.4	15,660.4	9,643.4	59.2	57.3	0.00	6,409.2	811.6	963.9	895.3	68.67	14.038	
16,750.0	10,606.6	15,685.4	9,643.6	59.4	57.5	0.00	6,434.2	811.6	964.0	895.1	68.85	14.001	
16,775.0	10,606.9	15,710.4	9,643.8	59.6	57.7	0.00	6,459.2	811.6	964.1	895.0	69.04	13.964	
16,800.0	10,607.1	15,735.4	9,644.0	59.8	57.9	0.00	6,484.2	811.5	964.1	894.9	69.22	13.928	
16,825.0	10,607.4	15,760.4	9,644.1	60.0	58.1	0.00	6,509.2	811.5	964.2	894.7	69.41	13.891	
16,850.0	10,607.6	15,785.4	9,644.3	60.2	58.3	0.00	6,534.2	811.5	964.2	894.6	69.59	13.855	
16,875.0	10,607.9	15,810.4	9,644.5	60.4	58.5	0.00	6,559.2	811.5	964.3	894.5	69.78	13.819	
16,900.0	10,608.1	15,835.4	9,644.7	60.6	58.7	0.00	6,584.2	811.4	964.3	894.3	69.97	13.783	
16,925.0	10,608.4	15,860.4	9,644.9	60.8	58.9	0.00	6,609.2	811.4	964.4	894.2	70.15	13.747	
16,950.0	10,608.6	15,885.4	9,645.1	61.0	59.1	0.00	6,634.2	811.4	964.4	894.1	70.34	13.711	
16,975.0	10,608.9	15,910.4	9,645.3	61.2	59.3	0.00	6,659.2	811.3	964.5	893.9	70.53	13.675	
17,000.0	10,609.1	15,935.4	9,645.5	61.4	59.5	0.00	6,684.2	811.3	964.5	893.8	70.71	13.640	
17,025.0	10,609.3	15,960.4	9,645.7	61.6	59.7	0.00	6,709.2	811.3	964.6	893.7	70.90	13.605	
17,050.0	10,609.6	15,985.4	9,645.9	61.8	59.9	0.00	6,734.2	811.3	964.6	893.5	71.09	13.569	
17,075.0	10,609.8	16,010.4	9,646.1	62.0	60.1	0.00	6,759.2	811.2	964.7	893.4	71.28	13.534	
17,100.0	10,610.1	16,035.4	9,646.3	62.2	60.3	0.00	6,784.2	811.2	964.7	893.3	71.46	13.500	
17,125.0	10,610.3	16,060.4	9,646.5	62.4	60.5	0.00	6,809.2	811.2	964.8	893.1	71.65	13.465	
17,150.0	10,610.6	16,085.4	9,646.7	62.6	60.7	0.00	6,834.2	811.1	964.8	893.0	71.84	13.430	
17,175.0	10,610.8	16,110.4	9,646.9	62.8	60.9	0.00	6,859.2	811.1	964.9	892.9	72.03	13.396	
17,200.0	10,611.1	16,135.4	9,647.0	63.0	61.1	0.00	6,884.2	811.1	965.0	892.7	72.22	13.362	
17,225.0	10,611.3	16,160.4	9,647.2	63.2	61.3	0.00	6,909.2	811.0	965.0	892.6	72.41	13.327	
17,250.0	10,611.6	16,185.4	9,647.4	63.4	61.5	0.00	6,934.2	811.0	965.1	892.5	72.60	13.293	
17,275.0	10,611.8	16,210.4	9,647.6	63.6	61.7	0.00	6,959.1	811.0	965.1	892.3	72.79	13.260	
17,300.0	10,612.1	16,235.4	9,647.8	63.8	61.9	0.00	6,984.1	811.0	965.2	892.2	72.98	13.226	
17,325.0	10,612.3	16,260.4	9,648.0	64.0	62.1	0.00	7,009.1	810.9	965.2	892.0	73.17	13.192	
17,350.0	10,612.5	16,285.4	9,648.2	64.2	62.3	0.00	7,034.1	810.9	965.3	891.9	73.36	13.159	
17,375.0	10,612.8	16,310.4	9,648.4	64.4	62.5	0.00	7,059.1	810.9	965.3	891.8	73.55	13.126	
17,400.0	10,613.0	16,335.4	9,648.6	64.6	62.7	0.00	7,084.1	810.8	965.4	891.6	73.74	13.092	
17,425.0	10,613.3	16,360.4	9,648.8	64.8	62.9	0.00	7,109.1	810.8	965.4	891.5	73.93	13.059	
17,450.0	10,613.5	16,385.4	9,649.0	65.0	63.1	0.00	7,134.1	810.8	965.5	891.4	74.12	13.026	
17,475.0	10,613.8	16,410.4	9,649.2	65.2	63.3	0.00	7,159.1	810.8	965.5	891.2	74.31	12.994	
17,500.0	10,614.0	16,435.4	9,649.4	65.4	63.5	0.00	7,184.1	810.7	965.6	891.1	74.50	12.961	
17,525.0	10,614.3	16,460.4	9,649.6	65.6	63.7	0.00	7,209.1	810.7	965.6	890.9	74.69	12.929	
17,550.0	10,614.5	16,485.4	9,649.8	65.8	63.9	0.00	7,234.1	810.7	965.7	890.8	74.88	12.896	
17,575.0	10,614.8	16,510.4	9,649.9	66.0	64.1	0.00	7,259.1	810.6	965.7	890.7	75.07	12.864	
17,600.0	10,615.0	16,535.4	9,650.1	66.2	64.3	0.00	7,284.1	810.6	965.8	890.5	75.27	12.832	
17,625.0	10,615.3	16,560.4	9,650.3	66.4	64.5	0.00	7,309.1	810.6	965.8	890.4	75.46	12.800	
17,650.0	10,615.5	16,585.4	9,650.5	66.6	64.7	0.00	7,334.1	810.6	965.9	890.3	75.65	12.768	
17,675.0	10,615.7	16,610.4	9,650.7	66.8	64.9	0.00	7,359.1	810.5	966.0	890.1	75.84	12.736	

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
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Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
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Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - 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
17,700.0	10,616.0	16,635.4	9,650.9	67.0	65.1	0.00	7,384.1	810.5	966.0	890.0	76.03	12.705	
17,725.0	10,616.2	16,660.4	9,651.1	67.2	65.3	0.00	7,409.1	810.5	966.1	889.8	76.23	12.673	
17,750.0	10,616.5	16,685.4	9,651.3	67.4	65.5	0.00	7,434.1	810.4	966.1	889.7	76.42	12.642	
17,775.0	10,616.7	16,710.4	9,651.5	67.6	65.7	0.00	7,459.1	810.4	966.2	889.6	76.61	12.611	
17,800.0	10,617.0	16,735.4	9,651.7	67.8	65.9	0.00	7,484.1	810.4	966.2	889.4	76.81	12.580	
17,825.0	10,617.2	16,760.4	9,651.9	68.0	66.2	0.00	7,509.1	810.3	966.3	889.3	77.00	12.549	
17,850.0	10,617.5	16,785.4	9,652.1	68.2	66.4	0.00	7,534.1	810.3	966.3	889.1	77.19	12.518	
17,875.0	10,617.7	16,810.4	9,652.3	68.4	66.6	0.00	7,559.1	810.3	966.4	889.0	77.39	12.488	
17,900.0	10,618.0	16,835.4	9,652.5	68.6	66.8	0.00	7,584.1	810.3	966.4	888.8	77.58	12.457	
17,925.0	10,618.2	16,860.4	9,652.7	68.8	67.0	0.00	7,609.1	810.2	966.5	888.7	77.77	12.427	
17,950.0	10,618.5	16,885.4	9,652.9	69.0	67.2	0.00	7,634.1	810.2	966.5	888.6	77.97	12.396	
17,975.0	10,618.7	16,910.4	9,653.0	69.2	67.4	0.00	7,659.1	810.2	966.6	888.4	78.16	12.366	
18,000.0	10,618.9	16,935.4	9,653.2	69.4	67.6	0.00	7,684.1	810.1	966.6	888.3	78.36	12.336	
18,025.0	10,619.2	16,960.4	9,653.4	69.6	67.8	0.00	7,709.1	810.1	966.7	888.1	78.55	12.306	
18,050.0	10,619.4	16,985.4	9,653.6	69.8	68.0	0.00	7,734.1	810.1	966.7	888.0	78.75	12.277	
18,075.0	10,619.7	17,010.4	9,653.8	70.0	68.2	0.00	7,759.1	810.1	966.8	887.9	78.94	12.247	
18,100.0	10,619.9	17,035.4	9,654.0	70.2	68.4	0.00	7,784.1	810.0	966.9	887.7	79.14	12.217	
18,125.0	10,620.2	17,060.4	9,654.2	70.4	68.6	0.00	7,809.1	810.0	966.9	887.6	79.33	12.188	
18,150.0	10,620.4	17,085.4	9,654.4	70.6	68.8	0.00	7,834.1	810.0	967.0	887.4	79.53	12.159	
18,175.0	10,620.7	17,110.4	9,654.6	70.8	69.0	0.00	7,859.1	809.9	967.0	887.3	79.72	12.129	
18,200.0	10,620.9	17,135.4	9,654.8	71.0	69.2	0.00	7,884.1	809.9	967.1	887.1	79.92	12.100	
18,225.0	10,621.2	17,160.4	9,655.0	71.2	69.4	0.00	7,909.1	809.9	967.1	887.0	80.12	12.071	
18,250.0	10,621.4	17,185.4	9,655.2	71.4	69.6	0.00	7,934.1	809.9	967.2	886.9	80.31	12.043	
18,275.0	10,621.7	17,210.4	9,655.4	71.6	69.8	0.00	7,959.1	809.8	967.2	886.7	80.51	12.014	
18,300.0	10,621.9	17,235.4	9,655.6	71.8	70.0	0.00	7,984.1	809.8	967.3	886.6	80.70	11.985	
18,325.0	10,622.1	17,260.4	9,655.8	72.0	70.2	0.00	8,009.1	809.8	967.3	886.4	80.90	11.957	
18,350.0	10,622.4	17,285.4	9,655.9	72.2	70.4	0.00	8,034.1	809.7	967.4	886.3	81.10	11.929	
18,375.0	10,622.6	17,310.4	9,656.1	72.4	70.6	0.00	8,059.1	809.7	967.4	886.1	81.29	11.900	
18,400.0	10,622.9	17,335.4	9,656.3	72.6	70.9	0.00	8,084.1	809.7	967.5	886.0	81.49	11.872	
18,425.0	10,623.1	17,360.4	9,656.5	72.8	71.1	0.00	8,109.1	809.6	967.5	885.8	81.69	11.844	
18,450.0	10,623.4	17,385.4	9,656.7	73.0	71.3	0.00	8,134.1	809.6	967.6	885.7	81.89	11.816	
18,475.0	10,623.6	17,410.4	9,656.9	73.2	71.5	0.00	8,159.1	809.6	967.6	885.6	82.08	11.789	
18,500.0	10,623.9	17,435.4	9,657.1	73.4	71.7	0.00	8,184.1	809.6	967.7	885.4	82.28	11.761	
18,525.0	10,624.1	17,460.4	9,657.3	73.6	71.9	0.00	8,209.1	809.5	967.7	885.3	82.48	11.733	
18,550.0	10,624.4	17,485.4	9,657.5	73.8	72.1	0.00	8,234.1	809.5	967.8	885.1	82.68	11.706	
18,575.0	10,624.6	17,510.4	9,657.7	74.0	72.3	0.00	8,259.1	809.5	967.9	885.0	82.87	11.679	
18,600.0	10,624.9	17,535.4	9,657.9	74.2	72.5	0.00	8,284.1	809.4	967.9	884.8	83.07	11.651	
18,625.0	10,625.1	17,560.4	9,658.1	74.4	72.7	0.00	8,309.1	809.4	968.0	884.7	83.27	11.624	
18,650.0	10,625.4	17,585.4	9,658.3	74.6	72.9	0.00	8,334.1	809.4	968.0	884.5	83.47	11.597	
18,675.0	10,625.6	17,610.4	9,658.5	74.8	73.1	0.00	8,359.1	809.4	968.1	884.4	83.67	11.570	
18,700.0	10,625.8	17,635.4	9,658.7	75.0	73.3	0.00	8,384.1	809.3	968.1	884.3	83.87	11.544	
18,725.0	10,626.1	17,660.4	9,658.8	75.2	73.5	0.00	8,409.1	809.3	968.2	884.1	84.06	11.517	
18,750.0	10,626.3	17,685.4	9,659.0	75.4	73.7	0.00	8,434.1	809.3	968.2	884.0	84.26	11.490	
18,775.0	10,626.6	17,710.4	9,659.2	75.7	73.9	0.00	8,459.1	809.2	968.3	883.8	84.46	11.464	
18,800.0	10,626.8	17,735.4	9,659.4	75.9	74.1	0.00	8,484.1	809.2	968.3	883.7	84.66	11.438	
18,825.0	10,627.1	17,760.4	9,659.6	76.1	74.4	0.00	8,509.1	809.2	968.4	883.5	84.86	11.411	
18,850.0	10,627.3	17,785.4	9,659.8	76.3	74.6	0.00	8,534.1	809.1	968.4	883.4	85.06	11.385	
18,875.0	10,627.6	17,810.4	9,660.0	76.5	74.8	0.00	8,559.1	809.1	968.5	883.2	85.26	11.359	
18,900.0	10,627.8	17,835.4	9,660.2	76.7	75.0	0.00	8,584.1	809.1	968.5	883.1	85.46	11.333	
18,925.0	10,628.1	17,860.4	9,660.4	76.9	75.2	0.00	8,609.1	809.1	968.6	882.9	85.66	11.308	
18,950.0	10,628.3	17,885.4	9,660.6	77.1	75.4	0.00	8,634.1	809.0	968.6	882.8	85.86	11.282	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
18,975.0	10,628.6	17,910.4	9,660.8	77.3	75.6	0.00	8,659.1	809.0	968.7	882.6	86.06	11.256	
19,000.0	10,628.8	17,935.4	9,661.0	77.5	75.8	0.00	8,684.1	809.0	968.8	882.5	86.26	11.231	
19,025.0	10,629.0	17,960.4	9,661.2	77.7	76.0	0.00	8,709.1	808.9	968.8	882.3	86.46	11.205	
19,050.0	10,629.3	17,985.4	9,661.4	77.9	76.2	0.00	8,734.1	808.9	968.9	882.2	86.66	11.180	
19,075.0	10,629.5	18,010.4	9,661.6	78.1	76.4	0.00	8,759.1	808.9	968.9	882.1	86.86	11.155	
19,100.0	10,629.8	18,035.4	9,661.7	78.3	76.6	0.00	8,784.1	808.9	969.0	881.9	87.06	11.130	
19,125.0	10,630.0	18,060.4	9,661.9	78.5	76.8	0.00	8,809.1	808.8	969.0	881.8	87.26	11.105	
19,150.0	10,630.3	18,085.4	9,662.1	78.7	77.0	0.00	8,834.1	808.8	969.1	881.6	87.46	11.080	
19,175.0	10,630.5	18,110.4	9,662.3	78.9	77.2	0.00	8,859.1	808.8	969.1	881.5	87.66	11.055	
19,200.0	10,630.8	18,135.4	9,662.5	79.1	77.4	0.00	8,884.1	808.7	969.2	881.3	87.86	11.031	
19,225.0	10,631.0	18,160.4	9,662.7	79.3	77.7	0.00	8,909.1	808.7	969.2	881.2	88.06	11.006	
19,250.0	10,631.3	18,185.4	9,662.9	79.5	77.9	0.00	8,934.1	808.7	969.3	881.0	88.27	10.981	
19,275.0	10,631.5	18,210.4	9,663.1	79.7	78.1	0.00	8,959.1	808.7	969.3	880.9	88.47	10.957	
19,300.0	10,631.8	18,235.4	9,663.3	79.9	78.3	0.00	8,984.1	808.6	969.4	880.7	88.67	10.933	
19,325.0	10,632.0	18,260.4	9,663.5	80.1	78.5	0.00	9,009.1	808.6	969.4	880.6	88.87	10.909	
19,350.0	10,632.2	18,285.4	9,663.7	80.3	78.7	0.00	9,034.1	808.6	969.5	880.4	89.07	10.884	
19,375.0	10,632.5	18,310.4	9,663.9	80.5	78.9	0.00	9,059.1	808.5	969.5	880.3	89.27	10.860	
19,400.0	10,632.7	18,335.4	9,664.1	80.7	79.1	0.00	9,084.1	808.5	969.6	880.1	89.48	10.837	
19,425.0	10,633.0	18,360.4	9,664.3	81.0	79.3	0.00	9,109.1	808.5	969.7	880.0	89.68	10.813	
19,450.0	10,633.2	18,385.4	9,664.5	81.2	79.5	0.00	9,134.1	808.4	969.7	879.8	89.88	10.789	
19,475.0	10,633.5	18,410.4	9,664.7	81.4	79.7	0.00	9,159.1	808.4	969.8	879.7	90.08	10.765	
19,500.0	10,633.7	18,435.4	9,664.8	81.6	79.9	0.00	9,184.1	808.4	969.8	879.5	90.28	10.742	
19,525.0	10,634.0	18,460.4	9,665.0	81.8	80.1	0.00	9,209.1	808.4	969.9	879.4	90.49	10.718	
19,550.0	10,634.2	18,485.4	9,665.2	82.0	80.3	0.00	9,234.1	808.3	969.9	879.2	90.69	10.695	
19,575.0	10,634.5	18,510.4	9,665.4	82.2	80.6	0.00	9,259.1	808.3	970.0	879.1	90.89	10.672	
19,600.0	10,634.7	18,535.4	9,665.6	82.4	80.8	0.00	9,284.1	808.3	970.0	878.9	91.09	10.649	
19,625.0	10,635.0	18,560.4	9,665.8	82.6	81.0	0.00	9,309.1	808.2	970.1	878.8	91.30	10.626	
19,650.0	10,635.2	18,585.4	9,666.0	82.8	81.2	0.00	9,334.1	808.2	970.1	878.6	91.50	10.603	
19,675.0	10,635.4	18,610.4	9,666.2	83.0	81.4	0.00	9,359.1	808.2	970.2	878.5	91.70	10.580	
19,700.0	10,635.7	18,635.4	9,666.4	83.2	81.6	0.00	9,384.1	808.2	970.2	878.3	91.91	10.557	
19,725.0	10,635.9	18,660.4	9,666.6	83.4	81.8	0.00	9,409.1	808.1	970.3	878.2	92.11	10.534	
19,750.0	10,636.2	18,685.4	9,666.8	83.6	82.0	0.00	9,434.1	808.1	970.3	878.0	92.31	10.511	
19,775.0	10,636.4	18,710.4	9,667.0	83.8	82.2	0.00	9,459.1	808.1	970.4	877.9	92.52	10.489	
19,800.0	10,636.7	18,735.4	9,667.2	84.0	82.4	0.00	9,484.1	808.0	970.4	877.7	92.72	10.467	
19,825.0	10,636.9	18,760.4	9,667.4	84.2	82.6	0.00	9,509.1	808.0	970.5	877.6	92.92	10.444	
19,850.0	10,637.2	18,785.4	9,667.6	84.4	82.8	0.00	9,534.1	808.0	970.5	877.4	93.13	10.422	
19,875.0	10,637.4	18,810.4	9,667.7	84.6	83.0	0.00	9,559.1	807.9	970.6	877.3	93.33	10.400	
19,900.0	10,637.7	18,835.4	9,667.9	84.8	83.2	0.00	9,584.1	807.9	970.7	877.1	93.53	10.378	
19,925.0	10,637.9	18,860.4	9,668.1	85.1	83.5	0.00	9,609.1	807.9	970.7	877.0	93.74	10.356	
19,950.0	10,638.2	18,885.4	9,668.3	85.3	83.7	0.00	9,634.1	807.9	970.8	876.8	93.94	10.334	
19,975.0	10,638.4	18,910.4	9,668.5	85.5	83.9	0.00	9,659.1	807.8	970.8	876.7	94.15	10.312	
20,000.0	10,638.6	18,935.4	9,668.7	85.7	84.1	0.00	9,684.1	807.8	970.9	876.5	94.35	10.290	
20,025.0	10,638.9	18,960.4	9,668.9	85.9	84.3	0.00	9,709.1	807.8	970.9	876.4	94.55	10.268	
20,050.0	10,639.1	18,985.4	9,669.1	86.1	84.5	0.00	9,734.1	807.7	971.0	876.2	94.76	10.247	
20,075.0	10,639.4	19,010.4	9,669.3	86.3	84.7	0.00	9,759.1	807.7	971.0	876.1	94.96	10.225	
20,100.0	10,639.6	19,035.4	9,669.5	86.5	84.9	0.00	9,784.1	807.7	971.1	875.9	95.17	10.204	
20,125.0	10,639.9	19,060.4	9,669.7	86.7	85.1	0.00	9,809.1	807.7	971.1	875.8	95.37	10.182	
20,150.0	10,640.1	19,085.4	9,669.9	86.9	85.3	0.00	9,834.1	807.6	971.2	875.6	95.58	10.161	
20,175.0	10,640.4	19,110.4	9,670.1	87.1	85.5	0.00	9,859.1	807.6	971.2	875.5	95.78	10.140	
20,200.0	10,640.6	19,135.4	9,670.3	87.3	85.7	0.00	9,884.1	807.6	971.3	875.3	95.99	10.119	
20,225.0	10,640.9	19,160.4	9,670.5	87.5	86.0	0.00	9,909.1	807.5	971.3	875.1	96.19	10.098	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
20,250.0	10,641.1	19,185.4	9,670.6	87.7	86.2	0.00	9,934.1	807.5	971.4	875.0	96.40	10.077	
20,275.0	10,641.4	19,210.4	9,670.8	87.9	86.4	0.00	9,959.1	807.5	971.4	874.8	96.60	10.056	
20,300.0	10,641.6	19,235.4	9,671.0	88.1	86.6	0.00	9,984.0	807.5	971.5	874.7	96.81	10.035	
20,325.0	10,641.8	19,260.4	9,671.2	88.3	86.8	0.00	10,009.0	807.4	971.6	874.5	97.01	10.015	
20,350.0	10,642.1	19,285.4	9,671.4	88.6	87.0	0.00	10,034.0	807.4	971.6	874.4	97.22	9.994	
20,375.0	10,642.3	19,310.4	9,671.6	88.8	87.2	0.00	10,059.0	807.4	971.7	874.2	97.42	9.973	
20,400.0	10,642.6	19,335.4	9,671.8	89.0	87.4	0.00	10,084.0	807.3	971.7	874.1	97.63	9.953	
20,425.0	10,642.8	19,360.4	9,672.0	89.2	87.6	0.00	10,109.0	807.3	971.8	873.9	97.84	9.933	
20,450.0	10,643.1	19,385.4	9,672.2	89.4	87.8	0.00	10,134.0	807.3	971.8	873.8	98.04	9.912	
20,475.0	10,643.3	19,410.4	9,672.4	89.6	88.0	0.00	10,159.0	807.2	971.9	873.6	98.25	9.892	
20,500.0	10,643.6	19,435.4	9,672.6	89.8	88.2	0.00	10,184.0	807.2	971.9	873.5	98.45	9.872	
20,525.0	10,643.8	19,460.4	9,672.8	90.0	88.5	0.00	10,209.0	807.2	972.0	873.3	98.66	9.852	
20,550.0	10,644.1	19,485.4	9,673.0	90.2	88.7	0.00	10,234.0	807.2	972.0	873.2	98.87	9.832	
20,575.0	10,644.3	19,510.4	9,673.2	90.4	88.9	0.00	10,259.0	807.1	972.1	873.0	99.07	9.812	
20,600.0	10,644.6	19,535.4	9,673.4	90.6	89.1	0.00	10,284.0	807.1	972.1	872.9	99.28	9.792	
20,625.0	10,644.8	19,560.4	9,673.5	90.8	89.3	0.00	10,309.0	807.1	972.2	872.7	99.48	9.772	
20,650.0	10,645.1	19,585.4	9,673.7	91.0	89.5	0.00	10,334.0	807.0	972.2	872.5	99.69	9.753	
20,675.0	10,645.3	19,610.4	9,673.9	91.2	89.7	0.00	10,359.0	807.0	972.3	872.4	99.90	9.733	
20,700.0	10,645.5	19,635.4	9,674.1	91.4	89.9	0.00	10,384.0	807.0	972.3	872.2	100.10	9.713	
20,725.0	10,645.8	19,660.4	9,674.3	91.7	90.1	0.00	10,409.0	807.0	972.4	872.1	100.31	9.694	
20,750.0	10,646.0	19,685.4	9,674.5	91.9	90.3	0.00	10,434.0	806.9	972.4	871.9	100.52	9.675	
20,775.0	10,646.3	19,710.4	9,674.7	92.1	90.5	0.00	10,459.0	806.9	972.5	871.8	100.72	9.655	
20,800.0	10,646.5	19,735.4	9,674.9	92.3	90.7	0.00	10,484.0	806.9	972.6	871.6	100.93	9.636	
20,825.0	10,646.8	19,760.4	9,675.1	92.5	91.0	0.00	10,509.0	806.8	972.6	871.5	101.14	9.617	
20,850.0	10,647.0	19,785.4	9,675.3	92.7	91.2	0.00	10,534.0	806.8	972.7	871.3	101.34	9.598	
20,875.0	10,647.3	19,810.4	9,675.5	92.9	91.4	0.00	10,559.0	806.8	972.7	871.2	101.55	9.579	
20,900.0	10,647.5	19,835.4	9,675.7	93.1	91.6	0.00	10,584.0	806.7	972.8	871.0	101.76	9.560	
20,925.0	10,647.8	19,860.4	9,675.9	93.3	91.8	0.00	10,609.0	806.7	972.8	870.9	101.96	9.541	
20,949.4	10,648.0	19,877.3	9,676.0	93.5	91.9	0.00	10,625.9	806.7	972.9	870.7	102.23	9.517	
20,950.0	10,648.0	19,877.3	9,676.0	93.5	91.9	0.00	10,625.9	806.7	972.9	870.7	102.20	9.520	
20,950.4	10,648.0	19,877.3	9,676.0	93.5	91.9	0.00	10,625.9	806.7	972.9	870.7	102.18	9.521	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	72.95	61.2	199.5	208.7				
25.0	25.0	25.9	25.9	0.5	0.1	72.95	61.2	199.5	208.7				
50.0	50.0	50.9	50.9	0.5	0.3	72.95	61.2	199.5	208.7	207.4	1.28	163.306	
75.0	75.0	75.9	75.9	0.5	0.4	72.95	61.2	199.5	208.7	207.3	1.37	152.016	
100.0	100.0	100.9	100.9	0.5	0.5	72.95	61.2	199.5	208.7	207.2	1.49	140.033	
125.0	125.0	125.9	125.9	0.6	0.6	72.95	61.2	199.5	208.7	206.9	1.74	120.175	
150.0	150.0	150.9	150.9	0.8	0.8	72.95	61.2	199.5	208.7	206.7	1.98	105.249	
175.0	175.0	175.9	175.9	0.9	0.9	72.95	61.2	199.5	208.7	206.4	2.23	93.622	
200.0	200.0	200.9	200.9	1.0	1.0	72.95	61.2	199.5	208.7	206.2	2.47	84.360	
225.0	225.0	225.9	225.9	1.1	1.1	72.95	61.2	199.5	208.7	206.0	2.63	79.231	
250.0	250.0	250.9	250.9	1.2	1.2	72.95	61.2	199.5	208.7	205.9	2.79	74.690	
275.0	275.0	275.9	275.9	1.3	1.3	72.95	61.2	199.5	208.7	205.7	2.95	70.642	
300.0	300.0	300.9	300.9	1.4	1.4	72.95	61.2	199.5	208.7	205.6	3.11	67.021	
325.0	325.0	325.9	325.9	1.4	1.4	72.95	61.2	199.5	208.7	205.4	3.24	64.365	
350.0	350.0	350.9	350.9	1.5	1.5	72.95	61.2	199.5	208.7	205.3	3.37	61.911	
375.0	375.0	375.9	375.9	1.6	1.6	72.95	61.2	199.5	208.7	205.2	3.50	59.638	
400.0	400.0	400.9	400.9	1.6	1.6	72.95	61.2	199.5	208.7	205.0	3.63	57.530	
425.0	425.0	425.9	425.9	1.7	1.7	72.95	61.2	199.5	208.7	204.9	3.74	55.829	
450.0	450.0	450.9	450.9	1.8	1.8	72.95	61.2	199.5	208.7	204.8	3.85	54.225	
475.0	475.0	475.9	475.9	1.8	1.8	72.95	61.2	199.5	208.7	204.7	3.96	52.710	
500.0	500.0	500.9	500.9	1.9	1.9	72.95	61.2	199.5	208.7	204.6	4.07	51.281	
525.0	525.0	525.9	525.9	1.9	1.9	72.95	61.2	199.5	208.7	204.5	4.17	50.068	
550.0	550.0	550.9	550.9	2.0	2.0	72.95	61.2	199.5	208.7	204.4	4.27	48.910	
575.0	575.0	575.9	575.9	2.1	2.1	72.95	61.2	199.5	208.7	204.3	4.37	47.805	
600.0	600.0	600.9	600.9	2.1	2.1	72.95	61.2	199.5	208.7	204.2	4.46	46.751	
625.0	625.0	625.9	625.9	2.2	2.2	72.95	61.2	199.5	208.7	204.1	4.55	45.827	
650.0	650.0	650.9	650.9	2.2	2.2	72.95	61.2	199.5	208.7	204.0	4.64	44.940	
675.0	675.0	675.9	675.9	2.3	2.3	72.95	61.2	199.5	208.7	203.9	4.73	44.086	
700.0	700.0	700.9	700.9	2.3	2.3	72.95	61.2	199.5	208.7	203.9	4.82	43.265	
725.0	725.0	725.9	725.9	2.4	2.4	72.95	61.2	199.5	208.7	203.8	4.91	42.531	
750.0	750.0	750.9	750.9	2.4	2.4	72.95	61.2	199.5	208.7	203.7	4.99	41.821	
775.0	775.0	775.9	775.9	2.5	2.5	72.95	61.2	199.5	208.7	203.6	5.07	41.135	
800.0	800.0	800.9	800.9	2.5	2.5	72.95	61.2	199.5	208.7	203.5	5.16	40.471	
825.0	825.0	825.9	825.9	2.6	2.6	72.95	61.2	199.5	208.7	203.4	5.23	39.869	
850.0	850.0	850.9	850.9	2.6	2.6	72.95	61.2	199.5	208.7	203.4	5.31	39.284	
875.0	875.0	875.9	875.9	2.6	2.6	72.95	61.2	199.5	208.7	203.3	5.39	38.716	
900.0	900.0	900.9	900.9	2.7	2.7	72.95	61.2	199.5	208.7	203.2	5.47	38.165	
925.0	925.0	925.9	925.9	2.7	2.7	72.95	61.2	199.5	208.7	203.1	5.54	37.658	
950.0	950.0	950.9	950.9	2.8	2.8	72.95	61.2	199.5	208.7	203.1	5.61	37.165	
975.0	975.0	975.9	975.9	2.8	2.8	72.95	61.2	199.5	208.7	203.0	5.69	36.685	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	72.95	61.2	199.5	208.7	202.9	5.76	36.217	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	72.95	61.2	199.5	208.7	202.8	5.83	35.783	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	72.95	61.2	199.5	208.7	202.8	5.90	35.360	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	72.95	61.2	199.5	208.7	202.7	5.97	34.946	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	72.95	61.2	199.5	208.7	202.6	6.04	34.543	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	72.95	61.2	199.5	208.7	202.6	6.11	34.166	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	72.95	61.2	199.5	208.7	202.5	6.17	33.797	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	72.95	61.2	199.5	208.7	202.4	6.24	33.436	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	72.95	61.2	199.5	208.7	202.4	6.31	33.083	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	72.95	61.2	199.5	208.7	202.3	6.37	32.751	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	72.95	61.2	199.5	208.7	202.2	6.44	32.426	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	72.95	61.2	199.5	208.7	202.2	6.50	32.107	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	72.95	61.2	199.5	208.7	202.1	6.56	31.794	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	72.95	61.2	199.5	208.7	202.1	6.62	31.499	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	72.95	61.2	199.5	208.7	202.0	6.69	31.209	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	72.95	61.2	199.5	208.7	201.9	6.75	30.925	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	72.95	61.2	199.5	208.7	201.9	6.81	30.646	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	72.95	61.2	199.5	208.7	201.8	6.87	30.381	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	72.95	61.2	199.5	208.7	201.7	6.93	30.120	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	72.95	61.2	199.5	208.7	201.7	6.99	29.865	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	72.95	61.2	199.5	208.7	201.6	7.05	29.613	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	72.95	61.2	199.5	208.7	201.6	7.10	29.374	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	72.95	61.2	199.5	208.7	201.5	7.16	29.138	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	72.95	61.2	199.5	208.7	201.5	7.22	28.906	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	72.95	61.2	199.5	208.7	201.4	7.28	28.678	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	72.95	61.2	199.5	208.7	201.3	7.33	28.460	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	72.95	61.2	199.5	208.7	201.3	7.39	28.246	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	72.95	61.2	199.5	208.7	201.2	7.44	28.034	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	72.95	61.2	199.5	208.7	201.2	7.50	27.826	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	72.95	61.2	199.5	208.7	201.1	7.55	27.627	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	72.95	61.2	199.5	208.7	201.1	7.61	27.430	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	72.95	61.2	199.5	208.7	201.0	7.66	27.236	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	72.95	61.2	199.5	208.7	201.0	7.72	27.045	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	72.95	61.2	199.5	208.7	200.9	7.77	26.862	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	72.95	61.2	199.5	208.7	200.9	7.82	26.681	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	72.95	61.2	199.5	208.7	200.8	7.87	26.502	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	72.95	61.2	199.5	208.7	200.7	7.93	26.326	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	72.95	61.2	199.5	208.7	200.7	7.98	26.156	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	72.95	61.2	199.5	208.7	200.6	8.03	25.989	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	72.95	61.2	199.5	208.7	200.6	8.08	25.824	
2,000.0	2,000.0	2,000.9	2,000.9	4.4	4.4	72.95	61.2	199.5	208.7	200.5	8.13	25.658	
2,025.0	2,025.0	2,025.9	2,025.9	4.5	4.5	72.95	61.2	199.5	208.7	200.4	8.23	25.352	
2,050.0	2,050.0	2,050.9	2,050.9	4.5	4.5	72.95	61.2	199.5	208.7	200.3	8.33	25.053	
2,075.0	2,075.0	2,075.9	2,075.9	4.6	4.6	72.95	61.2	199.5	208.7	200.2	8.43	24.760	
2,100.0	2,100.0	2,100.9	2,100.9	4.6	4.6	72.95	61.2	199.5	208.7	200.2	8.53	24.476	
2,125.0	2,125.0	2,125.9	2,125.9	4.7	4.7	72.95	61.2	199.5	208.7	200.1	8.61	24.227	
2,150.0	2,150.0	2,150.9	2,150.9	4.7	4.7	72.95	61.2	199.5	208.7	200.0	8.70	23.984	
2,175.0	2,175.0	2,175.9	2,175.9	4.7	4.7	72.95	61.2	199.5	208.7	199.9	8.79	23.745	
2,200.0	2,200.0	2,200.9	2,200.9	4.8	4.8	72.95	61.2	199.5	208.7	199.8	8.88	23.510	
2,225.0	2,225.0	2,226.1	2,226.1	4.8	4.8	72.91	61.3	199.5	208.7	199.7	8.97	23.275	
2,250.0	2,250.0	2,251.2	2,251.2	4.8	4.9	72.82	61.6	199.3	208.6	199.6	9.05	23.047	
2,275.0	2,275.0	2,276.4	2,276.4	4.9	5.0	72.67	62.1	199.1	208.6	199.5	9.14	22.827	
2,300.0	2,300.0	2,301.5	2,301.5	4.9	5.0	72.45	62.9	198.8	208.5	199.3	9.22	22.613	
2,325.0	2,325.0	2,326.6	2,326.6	5.0	5.1	72.18	63.8	198.5	208.5	199.1	9.31	22.396	
2,350.0	2,350.0	2,351.7	2,351.6	5.0	5.1	71.85	64.9	198.0	208.4	199.0	9.39	22.181	
2,375.0	2,375.0	2,376.8	2,376.7	5.0	5.2	71.45	66.3	197.5	208.3	198.8	9.48	21.969	
2,400.0	2,400.0	2,401.8	2,401.7	5.1	5.3	71.00	67.8	196.8	208.2	198.6	9.57	21.761	
2,425.0	2,425.0	2,426.9	2,426.6	5.1	5.3	70.48	69.5	196.1	208.1	198.4	9.65	21.557	
2,450.0	2,450.0	2,451.8	2,451.5	5.1	5.4	69.91	71.5	195.4	208.0	198.3	9.74	21.357	
2,475.0	2,475.0	2,476.8	2,476.4	5.2	5.5	69.28	73.6	194.5	207.9	198.1	9.83	21.161	
2,500.0	2,500.0	2,501.7	2,501.1	5.2	5.5	68.58	75.9	193.6	207.9	198.0	9.91	20.974	
2,525.0	2,525.0	2,526.5	2,525.8	5.3	5.6	-15.03	78.4	192.5	207.8	197.8	10.00	20.780	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,550.0	2,551.3	2,550.5	5.3	5.6	-15.86	81.1	191.4	207.5	197.4	10.09	20.569	
2,575.0	2,575.0	2,576.1	2,575.1	5.3	5.6	-16.74	83.9	190.3	207.1	196.9	10.18	20.341	
2,600.0	2,600.0	2,600.9	2,599.7	5.4	5.7	-17.64	86.8	189.2	206.5	196.2	10.27	20.097	
2,625.0	2,625.0	2,625.7	2,624.2	5.4	5.7	-18.57	89.5	188.0	205.7	195.3	10.39	19.806	
2,650.0	2,649.9	2,650.4	2,648.8	5.4	5.8	-19.52	92.3	186.9	204.8	194.3	10.50	19.506	
2,675.0	2,674.9	2,675.1	2,673.3	5.5	5.9	-20.51	95.1	185.8	203.7	193.1	10.61	19.198	
2,700.0	2,699.8	2,699.9	2,697.9	5.5	5.9	-21.52	97.9	184.6	202.5	191.8	10.73	18.882	
2,725.0	2,724.8	2,724.5	2,722.4	5.5	6.0	-22.57	100.7	183.5	201.2	190.3	10.84	18.555	
2,750.0	2,749.7	2,749.2	2,746.9	5.6	6.0	-23.67	103.5	182.4	199.7	188.8	10.96	18.223	
2,775.0	2,774.6	2,773.8	2,771.3	5.6	6.1	-24.80	106.3	181.3	198.1	187.0	11.08	17.886	
2,800.0	2,799.5	2,798.5	2,795.7	5.7	6.2	-25.98	109.1	180.1	196.4	185.2	11.20	17.544	
2,825.0	2,824.3	2,823.0	2,820.1	5.7	6.2	-27.20	111.9	179.0	194.6	183.3	11.32	17.194	
2,850.0	2,849.1	2,847.6	2,844.5	5.7	6.3	-28.48	114.6	177.9	192.7	181.2	11.44	16.842	
2,875.0	2,873.9	2,872.1	2,868.8	5.8	6.4	-29.82	117.4	176.8	190.7	179.1	11.56	16.489	
2,900.0	2,898.7	2,896.6	2,893.1	5.9	6.4	-31.22	120.2	175.7	188.6	176.9	11.69	16.135	
2,925.0	2,923.4	2,921.1	2,917.5	5.9	6.5	-32.68	122.9	174.5	186.4	174.6	11.80	15.792	
2,950.0	2,948.2	2,945.8	2,942.0	6.0	6.6	-34.20	125.6	173.4	184.2	172.2	11.94	15.423	
2,975.0	2,972.8	2,970.5	2,966.5	6.1	6.6	-35.77	128.3	172.4	181.8	169.8	12.08	15.056	
3,000.0	2,997.5	2,995.1	2,991.0	6.1	6.7	-37.38	130.8	171.4	179.4	167.2	12.22	14.690	
3,025.0	3,022.1	3,019.8	3,015.5	6.2	6.8	-39.05	133.2	170.4	177.0	164.6	12.35	14.328	
3,050.0	3,046.6	3,044.4	3,040.0	6.3	6.9	-40.79	135.5	169.5	174.4	161.9	12.48	13.971	
3,075.0	3,071.1	3,069.0	3,064.5	6.4	6.9	-42.58	137.7	168.6	171.8	159.2	12.62	13.617	
3,100.0	3,095.6	3,093.6	3,089.0	6.5	7.0	-44.45	139.8	167.7	169.2	156.5	12.75	13.268	
3,125.0	3,120.1	3,118.2	3,113.5	6.5	7.1	-46.34	141.8	166.9	166.7	153.8	12.88	12.935	
3,150.0	3,144.5	3,142.8	3,138.1	6.6	7.1	-48.25	143.7	166.1	164.2	151.2	13.01	12.618	
3,175.0	3,169.0	3,167.5	3,162.6	6.7	7.2	-50.18	145.6	165.4	161.9	148.8	13.15	12.316	
3,200.0	3,193.4	3,192.2	3,187.3	6.8	7.3	-52.15	147.3	164.7	159.7	146.4	13.28	12.030	
3,225.0	3,217.9	3,216.9	3,211.9	6.8	7.4	-54.13	148.9	164.0	157.7	144.3	13.41	11.756	
3,250.0	3,242.3	3,241.7	3,236.6	6.9	7.4	-56.13	150.5	163.4	155.7	142.2	13.55	11.497	
3,275.0	3,266.8	3,266.4	3,261.3	7.0	7.5	-58.16	151.9	162.8	153.9	140.3	13.68	11.251	
3,300.0	3,291.3	3,291.2	3,286.1	7.1	7.6	-60.20	153.2	162.3	152.3	138.4	13.82	11.019	
3,325.0	3,315.7	3,316.1	3,310.9	7.1	7.6	-62.26	154.5	161.8	150.7	136.8	13.95	10.799	
3,350.0	3,340.2	3,340.9	3,335.7	7.2	7.7	-64.34	155.6	161.3	149.3	135.2	14.09	10.593	
3,375.0	3,364.6	3,365.8	3,360.5	7.3	7.8	-66.42	156.7	160.9	147.9	133.7	14.23	10.399	
3,400.0	3,389.1	3,390.7	3,385.4	7.4	7.8	-68.52	157.6	160.5	146.7	132.4	14.36	10.217	
3,425.0	3,413.5	3,415.6	3,410.3	7.5	7.9	-70.63	158.5	160.2	145.7	131.2	14.50	10.047	
3,450.0	3,438.0	3,440.5	3,435.2	7.5	8.0	-72.74	159.2	159.9	144.7	130.0	14.63	9.889	
3,475.0	3,462.4	3,465.4	3,460.1	7.6	8.0	-74.86	159.8	159.6	143.8	129.0	14.76	9.742	
3,500.0	3,486.9	3,490.4	3,485.1	7.7	8.1	-76.99	160.4	159.4	143.0	128.1	14.89	9.605	
3,525.0	3,511.3	3,515.4	3,510.1	7.8	8.2	-79.11	160.8	159.2	142.4	127.4	15.02	9.480	
3,550.0	3,535.8	3,540.4	3,535.0	7.9	8.2	-81.24	161.2	159.1	141.8	126.7	15.14	9.368	
3,575.0	3,560.2	3,565.4	3,560.1	8.0	8.3	-83.36	161.4	159.0	141.4	126.1	15.26	9.264	
3,600.0	3,584.7	3,590.4	3,585.1	8.1	8.3	-85.49	161.6	158.9	141.0	125.6	15.37	9.169	
3,625.0	3,609.2	3,615.4	3,610.1	8.1	8.4	-87.60	161.6	158.9	140.7	125.2	15.47	9.095	
3,650.0	3,633.6	3,639.8	3,634.5	8.2	8.4	-89.67	161.6	158.9	140.6	125.0	15.56	9.033	
3,653.9	3,637.5	3,643.7	3,638.4	8.2	8.4	-90.00	161.6	158.9	140.6	125.0	15.58	9.025 CC	
3,675.0	3,658.1	3,664.3	3,659.0	8.3	8.4	-91.74	161.6	158.9	140.6	125.0	15.65	8.985 ES	
3,700.0	3,682.5	3,688.7	3,683.4	8.4	8.4	-93.81	161.6	158.9	140.9	125.2	15.74	8.951	
3,725.0	3,707.0	3,713.2	3,707.9	8.5	8.5	-95.87	161.6	158.9	141.3	125.5	15.83	8.931	
3,750.0	3,731.4	3,737.6	3,732.3	8.6	8.5	-97.91	161.6	158.9	142.0	126.1	15.91	8.924 SF	
3,775.0	3,755.9	3,762.1	3,756.8	8.7	8.5	-99.93	161.6	158.9	142.8	126.8	15.99	8.929	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	3,780.3	3,786.5	3,781.2	8.8	8.5	-101.93	161.6	158.9	143.8	127.7	16.08	8.946	
3,825.0	3,804.8	3,811.0	3,805.7	8.9	8.6	-103.90	161.6	158.9	145.0	128.8	16.16	8.973	
3,850.0	3,829.2	3,835.5	3,830.1	9.0	8.6	-105.83	161.6	158.9	146.4	130.1	16.25	9.009	
3,875.0	3,853.7	3,859.9	3,854.6	9.1	8.6	-107.73	161.6	158.9	147.9	131.6	16.33	9.056	
3,900.0	3,878.1	3,884.4	3,879.0	9.2	8.6	-109.59	161.6	158.9	149.6	133.2	16.42	9.110	
3,925.0	3,902.6	3,908.8	3,903.5	9.3	8.7	-111.41	161.6	158.9	151.4	134.9	16.51	9.173	
3,950.0	3,927.1	3,933.3	3,928.0	9.4	8.7	-113.18	161.6	158.9	153.5	136.9	16.60	9.243	
3,975.0	3,951.5	3,957.7	3,952.4	9.5	8.7	-114.91	161.6	158.9	155.6	138.9	16.70	9.320	
4,000.0	3,976.0	3,982.2	3,976.9	9.6	8.7	-116.59	161.6	158.9	157.9	141.1	16.79	9.403	
4,025.0	4,000.4	4,006.6	4,001.3	9.7	8.8	-118.23	161.6	158.9	160.3	143.5	16.89	9.492	
4,050.0	4,024.9	4,031.1	4,025.8	9.8	8.8	-119.81	161.6	158.9	162.9	145.9	17.00	9.585	
4,075.0	4,049.3	4,055.5	4,050.2	9.9	8.8	-121.35	161.6	158.9	165.6	148.5	17.10	9.684	
4,100.0	4,073.8	4,080.0	4,074.7	10.0	8.8	-122.83	161.6	158.9	168.4	151.2	17.21	9.787	
4,125.0	4,098.2	4,104.4	4,099.1	10.1	8.9	-124.27	161.6	158.9	171.3	154.0	17.32	9.893	
4,150.0	4,122.7	4,128.9	4,123.6	10.2	8.9	-125.66	161.6	158.9	174.3	156.9	17.43	10.002	
4,175.0	4,147.1	4,153.4	4,148.0	10.3	8.9	-127.01	161.6	158.9	177.5	159.9	17.55	10.115	
4,200.0	4,171.6	4,177.8	4,172.5	10.4	8.9	-128.31	161.6	158.9	180.7	163.0	17.66	10.230	
4,225.0	4,196.0	4,202.3	4,196.9	10.5	8.9	-129.56	161.6	158.9	184.0	166.2	17.78	10.347	
4,250.0	4,220.5	4,226.7	4,221.4	10.6	9.0	-130.77	161.6	158.9	187.4	169.5	17.90	10.466	
4,275.0	4,244.9	4,251.2	4,245.8	10.7	9.0	-131.94	161.6	158.9	190.9	172.8	18.03	10.587	
4,300.0	4,269.4	4,275.6	4,270.3	10.8	9.0	-133.06	161.6	158.9	194.4	176.3	18.15	10.710	
4,325.0	4,293.9	4,300.1	4,294.8	10.9	9.0	-134.15	161.6	158.9	198.1	179.8	18.28	10.833	
4,350.0	4,318.3	4,324.5	4,319.2	11.0	9.1	-135.20	161.6	158.9	201.7	183.3	18.41	10.957	
4,375.0	4,342.8	4,349.0	4,343.7	11.1	9.1	-136.21	161.6	158.9	205.5	187.0	18.54	11.082	
4,400.0	4,367.2	4,373.4	4,368.1	11.2	9.1	-137.18	161.6	158.9	209.3	190.7	18.68	11.208	
4,425.0	4,391.7	4,397.9	4,392.6	11.3	9.1	-138.12	161.6	158.9	213.2	194.4	18.81	11.334	
4,450.0	4,416.1	4,422.3	4,417.0	11.4	9.2	-139.03	161.6	158.9	217.1	198.2	18.95	11.460	
4,475.0	4,440.6	4,446.8	4,441.5	11.5	9.2	-139.90	161.6	158.9	221.1	202.0	19.09	11.586	
4,500.0	4,465.0	4,471.2	4,465.9	11.6	9.2	-140.75	161.6	158.9	225.2	205.9	19.22	11.713	
4,525.0	4,489.5	4,495.7	4,490.4	11.7	9.2	-141.56	161.6	158.9	229.2	209.9	19.36	11.839	
4,550.0	4,513.9	4,520.2	4,514.8	11.8	9.3	-142.35	161.6	158.9	233.4	213.9	19.51	11.964	
4,575.0	4,538.4	4,544.6	4,539.3	11.9	9.3	-143.11	161.6	158.9	237.5	217.9	19.65	12.090	
4,600.0	4,562.8	4,569.1	4,563.7	12.0	9.3	-143.84	161.6	158.9	241.8	222.0	19.79	12.216	
4,625.0	4,587.3	4,593.5	4,588.2	12.1	9.3	-144.55	161.6	158.9	246.0	226.1	19.94	12.340	
4,650.0	4,611.8	4,618.0	4,612.7	12.2	9.4	-145.24	161.6	158.9	250.3	230.2	20.08	12.464	
4,675.0	4,636.2	4,642.4	4,637.1	12.3	9.4	-145.90	161.6	158.9	254.6	234.4	20.23	12.588	
4,700.0	4,660.7	4,666.9	4,661.6	12.4	9.4	-146.54	161.6	158.9	259.0	238.6	20.37	12.711	
4,725.0	4,685.1	4,691.3	4,686.0	12.6	9.4	-147.16	161.6	158.9	263.3	242.8	20.52	12.833	
4,750.0	4,709.6	4,715.8	4,710.5	12.7	9.4	-147.76	161.6	158.9	267.7	247.1	20.67	12.954	
4,775.0	4,734.0	4,740.2	4,734.9	12.8	9.5	-148.34	161.6	158.9	272.2	251.4	20.82	13.075	
4,800.0	4,758.5	4,764.7	4,759.4	12.9	9.5	-148.90	161.6	158.9	276.6	255.7	20.97	13.195	
4,825.0	4,782.9	4,789.1	4,783.8	13.0	9.5	-149.45	161.6	158.9	281.1	260.0	21.12	13.314	
4,850.0	4,807.4	4,813.6	4,808.3	13.1	9.5	-149.97	161.6	158.9	285.6	264.4	21.27	13.432	
4,875.0	4,831.8	4,838.1	4,832.7	13.2	9.6	-150.48	161.6	158.9	290.2	268.8	21.42	13.549	
4,900.0	4,856.3	4,862.5	4,857.2	13.3	9.6	-150.98	161.6	158.9	294.7	273.2	21.57	13.666	
4,925.0	4,880.7	4,887.0	4,881.6	13.4	9.6	-151.46	161.6	158.9	299.3	277.6	21.72	13.781	
4,950.0	4,905.2	4,911.4	4,906.1	13.5	9.6	-151.93	161.6	158.9	303.9	282.0	21.87	13.895	
4,975.0	4,929.7	4,935.9	4,930.6	13.6	9.7	-152.38	161.6	158.9	308.5	286.5	22.02	14.009	
5,000.0	4,954.1	4,960.3	4,955.0	13.8	9.7	-152.82	161.6	158.9	313.2	291.0	22.18	14.121	
5,025.0	4,978.6	4,984.8	4,979.5	13.9	9.7	-153.24	161.6	158.9	317.8	295.5	22.33	14.232	
5,050.0	5,003.0	5,009.2	5,003.9	14.0	9.7	-153.66	161.6	158.9	322.5	300.0	22.48	14.343	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	5,027.5	5,033.7	5,028.4	14.1	9.7	-154.06	161.6	158.9	327.2	304.5	22.64	14.452	
5,100.0	5,051.9	5,058.1	5,052.8	14.2	9.8	-154.45	161.6	158.9	331.9	309.1	22.79	14.560	
5,125.0	5,076.4	5,082.6	5,077.3	14.3	9.8	-154.83	161.6	158.9	336.6	313.6	22.95	14.668	
5,150.0	5,100.8	5,107.0	5,101.7	14.4	9.8	-155.20	161.6	158.9	341.3	318.2	23.10	14.774	
5,175.0	5,125.3	5,131.5	5,126.2	14.5	9.8	-155.56	161.6	158.9	346.1	322.8	23.26	14.879	
5,200.0	5,149.7	5,156.0	5,150.6	14.6	9.9	-155.91	161.6	158.9	350.8	327.4	23.41	14.984	
5,225.0	5,174.2	5,180.4	5,175.1	14.7	9.9	-156.25	161.6	158.9	355.6	332.0	23.57	15.087	
5,250.0	5,198.6	5,204.9	5,199.5	14.9	9.9	-156.58	161.6	158.9	360.4	336.6	23.73	15.189	
5,275.0	5,223.1	5,229.3	5,224.0	15.0	9.9	-156.91	161.6	158.9	365.2	341.3	23.88	15.290	
5,300.0	5,247.6	5,253.8	5,248.5	15.1	10.0	-157.22	161.6	158.9	370.0	345.9	24.04	15.390	
5,325.0	5,272.0	5,278.2	5,272.9	15.2	10.0	-157.53	161.6	158.9	374.8	350.6	24.20	15.490	
5,350.0	5,296.5	5,302.7	5,297.4	15.3	10.0	-157.83	161.6	158.9	379.6	355.2	24.35	15.588	
5,375.0	5,320.9	5,327.1	5,321.8	15.4	10.0	-158.12	161.6	158.9	384.4	359.9	24.51	15.685	
5,400.0	5,345.4	5,351.6	5,346.3	15.5	10.0	-158.40	161.6	158.9	389.3	364.6	24.67	15.781	
5,425.0	5,369.8	5,376.0	5,370.7	15.6	10.1	-158.68	161.6	158.9	394.1	369.3	24.82	15.877	
5,450.0	5,394.3	5,400.5	5,395.2	15.7	10.1	-158.95	161.6	158.9	399.0	374.0	24.98	15.971	
5,475.0	5,418.7	5,424.9	5,419.6	15.9	10.1	-159.21	161.6	158.9	403.9	378.7	25.14	16.064	
5,500.0	5,443.2	5,449.4	5,444.1	16.0	10.1	-159.47	161.6	158.9	408.7	383.4	25.30	16.157	
5,525.0	5,467.6	5,473.9	5,468.5	16.1	10.2	-159.72	161.6	158.9	413.6	388.2	25.46	16.248	
5,550.0	5,492.1	5,498.3	5,493.0	16.2	10.2	-159.97	161.6	158.9	418.5	392.9	25.61	16.338	
5,575.0	5,516.5	5,522.8	5,517.4	16.3	10.2	-160.21	161.6	158.9	423.4	397.6	25.77	16.428	
5,600.0	5,541.0	5,547.2	5,541.9	16.4	10.2	-160.44	161.6	158.9	428.3	402.4	25.93	16.517	
5,625.0	5,565.5	5,571.7	5,566.4	16.5	10.3	-160.67	161.6	158.9	433.2	407.1	26.09	16.605	
5,650.0	5,589.9	5,596.1	5,590.8	16.6	10.3	-160.90	161.6	158.9	438.1	411.9	26.25	16.691	
5,675.0	5,614.4	5,620.6	5,615.3	16.8	10.3	-161.12	161.6	158.9	443.1	416.7	26.41	16.777	
5,700.0	5,638.8	5,645.0	5,639.7	16.9	10.3	-161.33	161.6	158.9	448.0	421.4	26.57	16.863	
5,725.0	5,663.3	5,669.5	5,664.2	17.0	10.3	-161.54	161.6	158.9	452.9	426.2	26.73	16.947	
5,750.0	5,687.7	5,693.9	5,688.6	17.1	10.4	-161.75	161.6	158.9	457.9	431.0	26.89	17.030	
5,775.0	5,712.2	5,718.4	5,713.1	17.2	10.4	-161.95	161.6	158.9	462.8	435.8	27.05	17.112	
5,800.0	5,736.6	5,742.8	5,737.5	17.3	10.4	-162.15	161.6	158.9	467.8	440.6	27.21	17.194	
5,825.0	5,761.1	5,767.3	5,762.0	17.4	10.4	-162.34	161.6	158.9	472.7	445.4	27.37	17.275	
5,850.0	5,785.5	5,791.8	5,786.4	17.5	10.5	-162.53	161.6	158.9	477.7	450.2	27.53	17.355	
5,875.0	5,810.0	5,816.2	5,810.9	17.7	10.5	-162.71	161.6	158.9	482.7	455.0	27.69	17.434	
5,900.0	5,834.4	5,840.7	5,835.3	17.8	10.5	-162.89	161.6	158.9	487.7	459.8	27.85	17.512	
5,925.0	5,858.9	5,865.1	5,859.8	17.9	10.5	-163.07	161.6	158.9	492.6	464.6	28.01	17.590	
5,950.0	5,883.3	5,889.6	5,884.2	18.0	10.6	-163.24	161.6	158.9	497.6	469.5	28.17	17.667	
5,975.0	5,907.8	5,914.0	5,908.7	18.1	10.6	-163.42	161.6	158.9	502.6	474.3	28.33	17.743	
6,000.0	5,932.3	5,938.5	5,933.2	18.2	10.6	-163.58	161.6	158.9	507.6	479.1	28.49	17.818	
6,025.0	5,956.7	5,962.9	5,957.6	18.3	10.6	-163.75	161.6	158.9	512.6	483.9	28.65	17.892	
6,050.0	5,981.2	5,987.4	5,982.1	18.5	10.6	-163.91	161.6	158.9	517.6	488.8	28.81	17.966	
6,075.0	6,005.6	6,011.8	6,006.5	18.6	10.7	-164.06	161.6	158.9	522.6	493.6	28.97	18.039	
6,100.0	6,030.1	6,036.3	6,031.0	18.7	10.7	-164.22	161.6	158.9	527.6	498.5	29.13	18.111	
6,125.0	6,054.5	6,060.7	6,055.4	18.8	10.7	-164.37	161.6	158.9	532.6	503.3	29.29	18.183	
6,150.0	6,079.0	6,085.2	6,079.9	18.9	10.7	-164.52	161.6	158.9	537.6	508.2	29.45	18.253	
6,175.0	6,103.4	6,109.7	6,104.3	19.0	10.8	-164.67	161.6	158.9	542.7	513.0	29.62	18.323	
6,200.0	6,127.9	6,134.1	6,128.8	19.1	10.8	-164.81	161.6	158.9	547.7	517.9	29.78	18.393	
6,225.0	6,152.3	6,158.6	6,153.2	19.3	10.8	-164.95	161.6	158.9	552.7	522.8	29.94	18.462	
6,250.0	6,176.8	6,183.0	6,177.7	19.4	10.8	-165.09	161.6	158.9	557.7	527.6	30.10	18.529	
6,275.0	6,201.2	6,207.5	6,202.1	19.5	10.8	-165.23	161.6	158.9	562.8	532.5	30.26	18.597	
6,300.0	6,225.7	6,231.9	6,226.6	19.6	10.9	-165.36	161.6	158.9	567.8	537.4	30.42	18.664	
6,325.0	6,250.2	6,256.4	6,251.1	19.7	10.9	-165.49	161.6	158.9	572.8	542.2	30.58	18.732	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
6,350.0	6,274.6	6,280.8	6,275.5	19.8	10.9	-165.62	161.6	158.9	577.9	547.1	30.74	18.800	
6,367.7	6,291.9	6,298.1	6,292.8	19.9	10.9	-165.71	161.6	158.9	581.4	550.6	30.85	18.848	
6,375.0	6,299.1	6,305.3	6,300.0	19.9	10.9	-165.75	161.6	158.9	582.9	552.0	30.89	18.868	
6,400.0	6,323.5	6,329.8	6,324.4	20.0	11.0	-165.89	161.6	158.9	587.8	556.8	31.05	18.934	
6,425.0	6,348.1	6,354.3	6,349.0	20.2	11.0	-166.02	161.6	158.9	592.6	561.4	31.21	18.989	
6,450.0	6,372.6	6,378.8	6,373.5	20.3	11.0	-166.15	161.6	158.9	597.2	565.8	31.37	19.038	
6,475.0	6,397.2	6,403.4	6,398.1	20.4	11.0	-166.27	161.6	158.9	601.7	570.1	31.53	19.082	
6,500.0	6,421.8	6,428.0	6,422.7	20.5	11.0	-166.39	161.6	158.9	606.0	574.3	31.69	19.121	
6,525.0	6,446.4	6,452.6	6,447.3	20.6	11.1	-166.50	161.6	158.9	610.1	578.3	31.85	19.158	
6,550.0	6,471.1	6,477.3	6,472.0	20.7	11.1	-166.60	161.6	158.9	614.1	582.1	32.00	19.189	
6,575.0	6,495.8	6,502.0	6,496.7	20.8	11.1	-166.70	161.6	158.9	618.0	585.8	32.16	19.215	
6,600.0	6,520.5	6,526.7	6,521.4	20.9	11.1	-166.79	161.6	158.9	621.6	589.3	32.32	19.236	
6,625.0	6,545.2	6,551.4	6,546.1	21.0	11.2	-166.88	161.6	158.9	625.2	592.7	32.47	19.255	
6,650.0	6,570.0	6,576.2	6,570.9	21.2	11.2	-166.96	161.6	158.9	628.5	595.9	32.62	19.270	
6,675.0	6,594.8	6,601.0	6,595.7	21.3	11.2	-167.04	161.6	158.9	631.8	599.0	32.77	19.279	
6,700.0	6,619.6	6,625.8	6,620.5	21.4	11.2	-167.11	161.6	158.9	634.8	601.9	32.92	19.284	
6,725.0	6,644.4	6,650.6	6,645.3	21.5	11.3	-167.18	161.6	158.9	637.7	604.6	33.06	19.287	
6,750.0	6,669.2	6,675.4	6,670.1	21.6	11.3	-167.25	161.6	158.9	640.5	607.2	33.21	19.286	
6,775.0	6,694.1	6,700.3	6,695.0	21.7	11.3	-167.31	161.6	158.9	643.0	609.7	33.35	19.280	
6,800.0	6,719.0	6,725.2	6,719.9	21.8	11.3	-167.36	161.6	158.9	645.5	612.0	33.50	19.269	
6,825.0	6,743.8	6,750.1	6,744.7	21.9	11.3	-167.42	161.6	158.9	647.7	614.1	33.63	19.258	
6,850.0	6,768.8	6,775.0	6,769.7	22.0	11.4	-167.46	161.6	158.9	649.8	616.1	33.77	19.243	
6,875.0	6,793.7	6,799.9	6,794.6	22.1	11.4	-167.51	161.6	158.9	651.8	617.9	33.91	19.223	
6,900.0	6,818.6	6,824.8	6,819.5	22.2	11.4	-167.55	161.6	158.9	653.6	619.5	34.04	19.199	
6,925.0	6,843.6	6,849.8	6,844.5	22.3	11.4	-167.59	161.6	158.9	655.2	621.0	34.17	19.175	
6,950.0	6,868.5	6,874.7	6,869.4	22.3	11.5	-167.62	161.6	158.9	656.7	622.4	34.29	19.148	
6,975.0	6,893.5	6,899.7	6,894.4	22.4	11.5	-167.65	161.6	158.9	658.0	623.6	34.42	19.116	
7,000.0	6,918.4	6,924.7	6,919.3	22.5	11.5	-167.67	161.6	158.9	659.1	624.6	34.55	19.079	
7,025.0	6,943.4	6,949.6	6,944.3	22.6	11.5	-167.70	161.6	158.9	660.1	625.5	34.66	19.047	
7,050.0	6,968.4	6,974.6	6,969.3	22.7	11.5	-167.71	161.6	158.9	661.0	626.2	34.77	19.010	
7,075.0	6,993.4	6,999.6	6,994.3	22.8	11.6	-167.73	161.6	158.9	661.6	626.7	34.88	18.969	
7,100.0	7,018.4	7,024.6	7,019.3	22.8	11.6	-167.74	161.6	158.9	662.1	627.1	34.99	18.924	
7,125.0	7,043.4	7,049.6	7,044.3	22.9	11.6	-167.75	161.6	158.9	662.5	627.4	35.05	18.902	
7,150.0	7,068.4	7,074.6	7,069.3	22.9	11.6	-167.75	161.6	158.9	662.7	627.6	35.11	18.877	
7,167.6	7,086.0	7,092.2	7,086.9	22.9	11.7	-84.90	161.6	158.9	662.7	627.6	35.15	18.856	
7,175.0	7,093.4	7,099.6	7,094.3	22.9	11.7	-84.90	161.6	158.9	662.7	627.6	35.15	18.853	
7,200.0	7,118.4	7,124.6	7,119.3	22.9	11.7	-84.90	161.6	158.9	662.7	627.6	35.17	18.843	
7,225.0	7,143.4	7,149.6	7,144.3	22.9	11.7	-84.90	161.6	158.9	662.7	627.5	35.20	18.829	
7,250.0	7,168.4	7,174.6	7,169.3	22.9	11.7	-84.90	161.6	158.9	662.7	627.5	35.22	18.815	
7,275.0	7,193.4	7,199.6	7,194.3	23.0	11.8	-84.90	161.6	158.9	662.7	627.5	35.25	18.801	
7,300.0	7,218.4	7,224.6	7,219.3	23.0	11.8	-84.90	161.6	158.9	662.7	627.4	35.27	18.787	
7,325.0	7,243.4	7,249.6	7,244.3	23.0	11.8	-84.90	161.6	158.9	662.7	627.4	35.30	18.773	
7,350.0	7,268.4	7,274.6	7,269.3	23.0	11.8	-84.90	161.6	158.9	662.7	627.4	35.33	18.760	
7,375.0	7,293.4	7,299.6	7,294.3	23.0	11.8	-84.90	161.6	158.9	662.7	627.4	35.35	18.746	
7,400.0	7,318.4	7,324.6	7,319.3	23.0	11.9	-84.90	161.6	158.9	662.7	627.3	35.38	18.732	
7,425.0	7,343.4	7,349.6	7,344.3	23.0	11.9	-84.90	161.6	158.9	662.7	627.3	35.41	18.718	
7,450.0	7,368.4	7,374.6	7,369.3	23.0	11.9	-84.90	161.6	158.9	662.7	627.3	35.43	18.704	
7,475.0	7,393.4	7,399.6	7,394.3	23.0	11.9	-84.90	161.6	158.9	662.7	627.3	35.46	18.690	
7,500.0	7,418.4	7,424.6	7,419.3	23.0	12.0	-84.90	161.6	158.9	662.7	627.2	35.49	18.676	
7,525.0	7,443.4	7,449.6	7,444.3	23.0	12.0	-84.90	161.6	158.9	662.7	627.2	35.51	18.662	
7,550.0	7,468.4	7,474.6	7,469.3	23.1	12.0	-84.90	161.6	158.9	662.7	627.2	35.54	18.648	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	7,493.4	7,499.6	7,494.3	23.1	12.0	-84.90	161.6	158.9	662.7	627.2	35.56	18.634	
7,600.0	7,518.4	7,524.6	7,519.3	23.1	12.0	-84.90	161.6	158.9	662.7	627.1	35.59	18.621	
7,625.0	7,543.4	7,549.6	7,544.3	23.1	12.1	-84.90	161.6	158.9	662.7	627.1	35.62	18.607	
7,650.0	7,568.4	7,574.6	7,569.3	23.1	12.1	-84.90	161.6	158.9	662.7	627.1	35.64	18.593	
7,675.0	7,593.4	7,599.6	7,594.3	23.1	12.1	-84.90	161.6	158.9	662.7	627.1	35.67	18.579	
7,700.0	7,618.4	7,624.6	7,619.3	23.1	12.1	-84.90	161.6	158.9	662.7	627.0	35.70	18.565	
7,725.0	7,643.4	7,649.6	7,644.3	23.1	12.2	-84.90	161.6	158.9	662.7	627.0	35.72	18.551	
7,750.0	7,668.4	7,674.6	7,669.3	23.1	12.2	-84.90	161.6	158.9	662.7	627.0	35.75	18.538	
7,775.0	7,693.4	7,699.6	7,694.3	23.1	12.2	-84.90	161.6	158.9	662.7	626.9	35.78	18.524	
7,800.0	7,718.4	7,724.6	7,719.3	23.1	12.2	-84.90	161.6	158.9	662.7	626.9	35.80	18.510	
7,825.0	7,743.4	7,749.6	7,744.3	23.2	12.3	-84.90	161.6	158.9	662.7	626.9	35.83	18.496	
7,850.0	7,768.4	7,774.6	7,769.3	23.2	12.3	-84.90	161.6	158.9	662.7	626.9	35.86	18.482	
7,875.0	7,793.4	7,799.6	7,794.3	23.2	12.3	-84.90	161.6	158.9	662.7	626.8	35.88	18.469	
7,900.0	7,818.4	7,824.6	7,819.3	23.2	12.3	-84.90	161.6	158.9	662.7	626.8	35.91	18.455	
7,925.0	7,843.4	7,849.6	7,844.3	23.2	12.3	-84.90	161.6	158.9	662.7	626.8	35.94	18.441	
7,950.0	7,868.4	7,874.6	7,869.3	23.2	12.4	-84.90	161.6	158.9	662.7	626.8	35.96	18.427	
7,975.0	7,893.4	7,899.6	7,894.3	23.2	12.4	-84.90	161.6	158.9	662.7	626.7	35.99	18.414	
8,000.0	7,918.4	7,924.6	7,919.3	23.2	12.4	-84.90	161.6	158.9	662.7	626.7	36.02	18.400	
8,025.0	7,943.4	7,949.6	7,944.3	23.2	12.4	-84.90	161.6	158.9	662.7	626.7	36.04	18.386	
8,050.0	7,968.4	7,974.6	7,969.3	23.2	12.5	-84.90	161.6	158.9	662.7	626.7	36.07	18.372	
8,075.0	7,993.4	7,999.6	7,994.3	23.2	12.5	-84.90	161.6	158.9	662.7	626.6	36.10	18.359	
8,100.0	8,018.4	8,024.6	8,019.3	23.3	12.5	-84.90	161.6	158.9	662.7	626.6	36.13	18.345	
8,125.0	8,043.4	8,049.6	8,044.3	23.3	12.5	-84.90	161.6	158.9	662.7	626.6	36.15	18.331	
8,150.0	8,068.4	8,074.6	8,069.3	23.3	12.5	-84.90	161.6	158.9	662.7	626.5	36.18	18.318	
8,175.0	8,093.4	8,099.6	8,094.3	23.3	12.6	-84.90	161.6	158.9	662.7	626.5	36.21	18.304	
8,200.0	8,118.4	8,124.6	8,119.3	23.3	12.6	-84.90	161.6	158.9	662.7	626.5	36.23	18.290	
8,225.0	8,143.4	8,149.6	8,144.3	23.3	12.6	-84.90	161.6	158.9	662.7	626.5	36.26	18.277	
8,250.0	8,168.4	8,174.6	8,169.3	23.3	12.6	-84.90	161.6	158.9	662.7	626.4	36.29	18.263	
8,275.0	8,193.4	8,199.6	8,194.3	23.3	12.7	-84.90	161.6	158.9	662.7	626.4	36.32	18.249	
8,300.0	8,218.4	8,224.6	8,219.3	23.3	12.7	-84.90	161.6	158.9	662.7	626.4	36.34	18.236	
8,325.0	8,243.4	8,249.6	8,244.3	23.3	12.7	-84.90	161.6	158.9	662.7	626.4	36.37	18.222	
8,350.0	8,268.4	8,274.6	8,269.3	23.3	12.7	-84.90	161.6	158.9	662.7	626.3	36.40	18.208	
8,375.0	8,293.4	8,299.6	8,294.3	23.4	12.7	-84.90	161.6	158.9	662.7	626.3	36.42	18.195	
8,400.0	8,318.4	8,324.6	8,319.3	23.4	12.8	-84.90	161.6	158.9	662.7	626.3	36.45	18.181	
8,425.0	8,343.4	8,349.6	8,344.3	23.4	12.8	-84.90	161.6	158.9	662.7	626.2	36.48	18.167	
8,450.0	8,368.4	8,374.6	8,369.3	23.4	12.8	-84.90	161.6	158.9	662.7	626.2	36.51	18.154	
8,475.0	8,393.4	8,399.6	8,394.3	23.4	12.8	-84.90	161.6	158.9	662.7	626.2	36.53	18.140	
8,500.0	8,418.4	8,424.6	8,419.3	23.4	12.9	-84.90	161.6	158.9	662.7	626.2	36.56	18.127	
8,525.0	8,443.4	8,449.6	8,444.3	23.4	12.9	-84.90	161.6	158.9	662.7	626.1	36.59	18.113	
8,550.0	8,468.4	8,474.6	8,469.3	23.4	12.9	-84.90	161.6	158.9	662.7	626.1	36.62	18.100	
8,575.0	8,493.4	8,499.6	8,494.3	23.4	12.9	-84.90	161.6	158.9	662.7	626.1	36.64	18.086	
8,600.0	8,518.4	8,524.6	8,519.3	23.4	12.9	-84.90	161.6	158.9	662.7	626.1	36.67	18.072	
8,625.0	8,543.4	8,549.6	8,544.3	23.5	13.0	-84.90	161.6	158.9	662.7	626.0	36.70	18.059	
8,650.0	8,568.4	8,574.6	8,569.3	23.5	13.0	-84.90	161.6	158.9	662.7	626.0	36.73	18.045	
8,675.0	8,593.4	8,599.6	8,594.3	23.5	13.0	-84.90	161.6	158.9	662.7	626.0	36.75	18.032	
8,700.0	8,618.4	8,624.6	8,619.3	23.5	13.0	-84.90	161.6	158.9	662.7	625.9	36.78	18.018	
8,725.0	8,643.4	8,649.6	8,644.3	23.5	13.1	-84.90	161.6	158.9	662.7	625.9	36.81	18.005	
8,750.0	8,668.4	8,674.6	8,669.3	23.5	13.1	-84.90	161.6	158.9	662.7	625.9	36.84	17.991	
8,775.0	8,693.4	8,699.6	8,694.3	23.5	13.1	-84.90	161.6	158.9	662.7	625.9	36.86	17.978	
8,800.0	8,718.4	8,724.6	8,719.3	23.5	13.1	-84.90	161.6	158.9	662.7	625.8	36.89	17.964	
8,825.0	8,743.4	8,749.6	8,744.3	23.5	13.1	-84.90	161.6	158.9	662.7	625.8	36.92	17.951	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	8,768.4	8,774.6	8,769.3	23.5	13.2	-84.90	161.6	158.9	662.7	625.8	36.95	17.937	
8,875.0	8,793.4	8,799.6	8,794.3	23.5	13.2	-84.90	161.6	158.9	662.7	625.7	36.97	17.924	
8,900.0	8,818.4	8,824.6	8,819.3	23.6	13.2	-84.90	161.6	158.9	662.7	625.7	37.00	17.911	
8,925.0	8,843.4	8,849.6	8,844.3	23.6	13.2	-84.90	161.6	158.9	662.7	625.7	37.03	17.897	
8,950.0	8,868.4	8,874.6	8,869.3	23.6	13.3	-84.90	161.6	158.9	662.7	625.7	37.06	17.884	
8,975.0	8,893.4	8,899.6	8,894.3	23.6	13.3	-84.90	161.6	158.9	662.7	625.6	37.09	17.870	
9,000.0	8,918.4	8,924.6	8,919.3	23.6	13.3	-84.90	161.6	158.9	662.7	625.6	37.11	17.857	
9,025.0	8,943.4	8,949.6	8,944.3	23.6	13.3	-84.90	161.6	158.9	662.7	625.6	37.14	17.843	
9,050.0	8,968.4	8,974.6	8,969.3	23.6	13.3	-84.90	161.6	158.9	662.7	625.6	37.17	17.830	
9,075.0	8,993.4	8,999.6	8,994.3	23.6	13.4	-84.90	161.6	158.9	662.7	625.5	37.20	17.817	
9,100.0	9,018.4	9,024.6	9,019.3	23.6	13.4	-84.90	161.6	158.9	662.7	625.5	37.22	17.803	
9,125.0	9,043.4	9,049.6	9,044.3	23.6	13.4	-84.90	161.6	158.9	662.7	625.5	37.25	17.790	
9,150.0	9,068.4	9,074.6	9,069.3	23.7	13.4	-84.90	161.6	158.9	662.7	625.4	37.28	17.777	
9,175.0	9,093.4	9,099.6	9,094.3	23.7	13.5	-84.90	161.6	158.9	662.7	625.4	37.31	17.763	
9,200.0	9,118.4	9,124.6	9,119.3	23.7	13.5	-84.90	161.6	158.9	662.7	625.4	37.34	17.750	
9,225.0	9,143.4	9,149.6	9,144.3	23.7	13.5	-84.90	161.6	158.9	662.7	625.4	37.36	17.737	
9,250.0	9,168.4	9,174.6	9,169.3	23.7	13.5	-84.90	161.6	158.9	662.7	625.3	37.39	17.723	
9,275.0	9,193.4	9,199.6	9,194.3	23.7	13.5	-84.90	161.6	158.9	662.7	625.3	37.42	17.710	
9,300.0	9,218.4	9,224.6	9,219.3	23.7	13.6	-84.90	161.6	158.9	662.7	625.3	37.45	17.698	
9,325.0	9,243.4	9,249.6	9,244.3	23.7	13.6	-84.90	161.6	158.9	662.7	625.3	37.47	17.686	
9,350.0	9,268.4	9,274.6	9,269.3	23.7	13.6	-84.90	161.6	158.9	662.7	625.2	37.50	17.674	
9,375.0	9,293.4	9,299.6	9,294.3	23.7	13.6	-84.90	161.6	158.9	662.7	625.2	37.52	17.662	
9,400.0	9,318.4	9,322.1	9,316.7	23.8	13.6	-84.86	162.0	158.9	662.8	625.2	37.52	17.663	
9,425.0	9,343.4	9,344.2	9,338.8	23.8	13.6	-84.74	163.5	158.9	662.9	625.4	37.51	17.671	
9,450.0	9,368.4	9,366.1	9,360.6	23.8	13.6	-84.53	165.9	158.9	663.2	625.7	37.50	17.685	
9,475.0	9,393.4	9,387.8	9,382.0	23.8	13.7	-84.24	169.3	158.9	663.6	626.1	37.48	17.706	
9,500.0	9,418.4	9,409.1	9,402.9	23.8	13.7	-83.87	173.6	158.9	664.1	626.7	37.45	17.734	
9,525.0	9,443.4	9,430.0	9,423.2	23.8	13.7	-83.43	178.7	158.9	664.8	627.4	37.41	17.771	
9,550.0	9,468.4	9,450.0	9,442.3	23.8	13.7	-82.95	184.4	158.9	665.7	628.3	37.36	17.818	
9,575.0	9,493.4	9,470.3	9,461.5	23.8	13.7	-82.38	191.0	158.9	666.8	629.5	37.31	17.874	
9,600.0	9,518.4	9,489.6	9,479.4	23.8	13.7	-81.78	198.0	158.9	668.2	630.9	37.24	17.941	
9,625.0	9,543.4	9,508.2	9,496.5	23.8	13.7	-81.15	205.5	158.8	669.8	632.6	37.17	18.020	
9,650.0	9,568.4	9,525.0	9,511.6	23.9	13.7	-80.53	212.8	158.8	671.8	634.7	37.09	18.113	
9,675.0	9,593.4	9,543.5	9,528.0	23.9	13.8	-79.80	221.5	158.8	674.0	637.0	37.00	18.216	
9,700.0	9,618.4	9,560.2	9,542.5	23.9	13.8	-79.10	229.8	158.8	676.7	639.8	36.91	18.334	
9,725.0	9,643.4	9,575.0	9,555.0	23.9	13.8	-78.45	237.6	158.8	679.7	642.9	36.81	18.467	
9,750.0	9,668.4	9,591.5	9,568.8	23.9	13.8	-77.69	246.8	158.8	683.2	646.5	36.70	18.613	
9,775.0	9,693.4	9,606.2	9,580.7	23.9	13.8	-76.98	255.3	158.8	687.1	650.5	36.60	18.774	
9,800.0	9,718.4	9,620.2	9,591.8	23.9	13.8	-76.28	263.9	158.8	691.5	655.0	36.49	18.950	
9,825.0	9,743.4	9,633.6	9,602.3	23.9	13.8	-75.59	272.3	158.8	696.3	659.9	36.38	19.140	
9,850.0	9,768.4	9,650.0	9,614.6	23.9	13.8	-74.73	283.0	158.8	701.7	665.4	36.27	19.347	
9,875.0	9,793.4	9,658.7	9,621.1	23.9	13.8	-74.26	288.8	158.8	707.5	671.3	36.17	19.563	
9,900.0	9,818.4	9,670.4	9,629.6	24.0	13.9	-73.61	296.9	158.7	713.9	677.8	36.06	19.795	
9,925.0	9,843.4	9,681.5	9,637.5	24.0	13.9	-72.98	304.8	158.7	720.8	684.8	35.97	20.041	
9,950.0	9,868.4	9,692.2	9,644.8	24.0	13.9	-72.38	312.4	158.7	728.2	692.4	35.88	20.300	
9,975.0	9,893.4	9,700.0	9,650.1	24.0	13.9	-71.93	318.2	158.7	736.2	700.4	35.80	20.567	
10,000.0	9,918.4	9,712.0	9,658.1	24.0	13.9	-71.22	327.2	158.7	744.7	709.0	35.71	20.853	
10,025.0	9,943.4	9,725.0	9,666.4	24.0	13.9	-70.45	337.1	158.7	753.8	718.1	35.63	21.155	
10,050.0	9,968.4	9,725.0	9,666.4	24.0	13.9	-70.45	337.1	158.7	763.3	727.7	35.60	21.441	
10,075.0	9,993.4	9,738.6	9,674.9	24.0	13.9	-69.64	347.8	158.7	773.4	737.8	35.53	21.766	
10,100.0	10,018.4	9,750.0	9,681.7	24.0	13.9	-68.94	356.9	158.7	784.0	748.5	35.48	22.099	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
10,125.0	10,043.4	9,750.0	9,681.7	24.0	13.9	-68.94	356.9	158.7	795.1	759.6	35.47	22.414	
10,150.0	10,068.4	9,761.8	9,688.6	24.1	13.9	-68.22	366.5	158.7	806.6	771.2	35.43	22.768	
10,153.2	10,071.6	9,762.8	9,689.1	24.1	13.9	-68.16	367.3	158.7	808.1	772.7	35.42	22.812	
10,175.0	10,093.4	9,775.0	9,696.0	24.1	13.9	-66.07	377.5	158.6	818.5	783.3	35.15	23.284	
10,200.0	10,118.3	9,775.0	9,696.0	24.1	13.9	-64.60	377.5	158.6	830.3	795.1	35.17	23.606	
10,225.0	10,143.1	9,784.3	9,701.0	24.1	13.9	-62.66	385.3	158.6	842.1	807.0	35.17	23.944	
10,250.0	10,167.7	9,792.2	9,705.1	24.1	13.9	-60.86	392.0	158.6	853.8	818.6	35.19	24.265	
10,275.0	10,192.1	9,800.0	9,709.1	24.1	13.9	-59.14	398.7	158.6	865.4	830.2	35.22	24.571	
10,300.0	10,216.1	9,808.4	9,713.3	24.1	14.0	-57.47	406.0	158.6	876.8	841.5	35.26	24.865	
10,325.0	10,239.7	9,816.7	9,717.3	24.1	14.0	-55.89	413.3	158.6	887.9	852.6	35.31	25.143	
10,350.0	10,262.9	9,825.0	9,721.1	24.1	14.0	-54.39	420.6	158.6	898.8	863.4	35.38	25.406	
10,375.0	10,285.5	9,833.7	9,725.1	24.1	14.0	-52.95	428.4	158.6	909.3	873.9	35.45	25.654	
10,400.0	10,307.5	9,842.4	9,728.8	24.1	14.0	-51.61	436.3	158.6	919.5	884.0	35.52	25.885	
10,425.0	10,328.9	9,850.0	9,732.0	24.1	14.0	-50.39	443.2	158.6	929.4	893.8	35.61	26.097	
10,450.0	10,349.6	9,860.0	9,736.0	24.1	14.0	-49.18	452.4	158.6	938.9	903.2	35.70	26.301	
10,475.0	10,369.6	9,875.0	9,741.6	24.1	14.0	-47.94	466.2	158.5	947.9	912.2	35.76	26.506	
10,500.0	10,388.7	9,875.0	9,741.6	24.1	14.0	-47.14	466.2	158.5	956.5	920.6	35.90	26.643	
10,525.0	10,406.9	9,887.1	9,745.9	24.1	14.0	-46.14	477.5	158.5	964.6	928.6	35.99	26.805	
10,550.0	10,424.3	9,900.0	9,750.1	24.1	14.0	-45.21	489.7	158.5	972.3	936.2	36.07	26.953	
10,575.0	10,440.6	9,900.0	9,750.1	24.1	14.0	-44.58	489.7	158.5	979.4	943.2	36.21	27.047	
10,600.0	10,456.0	9,914.7	9,754.4	24.1	14.0	-43.78	503.8	158.5	986.0	949.7	36.29	27.166	
10,625.0	10,470.3	9,925.0	9,757.3	24.1	14.0	-43.13	513.7	158.5	992.0	955.6	36.39	27.259	
10,650.0	10,483.5	9,933.3	9,759.4	24.1	14.0	-42.58	521.7	158.5	997.5	961.0	36.50	27.330	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	78.34	41.2	199.6	203.8				
25.0	25.0	25.9	25.9	0.5	0.1	78.34	41.2	199.6	203.8				
50.0	50.0	50.9	50.9	0.5	0.3	78.34	41.2	199.6	203.8	202.5	1.28	159.546	
75.0	75.0	75.9	75.9	0.5	0.4	78.34	41.2	199.6	203.8	202.4	1.37	148.518	
100.0	100.0	100.9	100.9	0.5	0.5	78.34	41.2	199.6	203.8	202.3	1.49	136.813	
125.0	125.0	125.9	125.9	0.6	0.6	78.34	41.2	199.6	203.8	202.1	1.74	117.424	
150.0	150.0	150.9	150.9	0.8	0.8	78.34	41.2	199.6	203.8	201.8	1.98	102.848	
175.0	175.0	175.9	175.9	0.9	0.9	78.34	41.2	199.6	203.8	201.6	2.23	91.491	
200.0	200.0	200.9	200.9	1.0	1.0	78.34	41.2	199.6	203.8	201.3	2.47	82.445	
225.0	225.0	225.9	225.9	1.1	1.1	78.34	41.2	199.6	203.8	201.2	2.63	77.440	
250.0	250.0	250.9	250.9	1.2	1.2	78.34	41.2	199.6	203.8	201.0	2.79	73.008	
275.0	275.0	275.9	275.9	1.3	1.3	78.34	41.2	199.6	203.8	200.9	2.95	69.055	
300.0	300.0	300.9	300.9	1.4	1.4	78.34	41.2	199.6	203.8	200.7	3.11	65.521	
325.0	325.0	325.9	325.9	1.4	1.4	78.34	41.2	199.6	203.8	200.6	3.24	62.930	
350.0	350.0	350.9	350.9	1.5	1.5	78.34	41.2	199.6	203.8	200.4	3.37	60.537	
375.0	375.0	375.9	375.9	1.6	1.6	78.34	41.2	199.6	203.8	200.3	3.49	58.318	
400.0	400.0	400.9	400.9	1.6	1.6	78.34	41.2	199.6	203.8	200.2	3.62	56.262	
425.0	425.0	425.9	425.9	1.7	1.7	78.34	41.2	199.6	203.8	200.1	3.73	54.603	
450.0	450.0	450.9	450.9	1.8	1.8	78.34	41.2	199.6	203.8	200.0	3.84	53.039	
475.0	475.0	475.9	475.9	1.8	1.8	78.34	41.2	199.6	203.8	199.9	3.95	51.562	
500.0	500.0	500.9	500.9	1.9	1.9	78.34	41.2	199.6	203.8	199.7	4.06	50.168	
525.0	525.0	525.9	525.9	1.9	1.9	78.34	41.2	199.6	203.8	199.6	4.16	48.985	
550.0	550.0	550.9	550.9	2.0	2.0	78.34	41.2	199.6	203.8	199.5	4.26	47.857	
575.0	575.0	575.9	575.9	2.1	2.1	78.34	41.2	199.6	203.8	199.5	4.36	46.780	
600.0	600.0	600.9	600.9	2.1	2.1	78.34	41.2	199.6	203.8	199.4	4.45	45.752	
625.0	625.0	625.9	625.9	2.2	2.2	78.34	41.2	199.6	203.8	199.3	4.54	44.852	
650.0	650.0	650.9	650.9	2.2	2.2	78.34	41.2	199.6	203.8	199.2	4.63	43.987	
675.0	675.0	675.9	675.9	2.3	2.3	78.34	41.2	199.6	203.8	199.1	4.72	43.155	
700.0	700.0	700.9	700.9	2.3	2.3	78.34	41.2	199.6	203.8	199.0	4.81	42.355	
725.0	725.0	725.9	725.9	2.4	2.4	78.34	41.2	199.6	203.8	198.9	4.89	41.640	
750.0	750.0	750.9	750.9	2.4	2.4	78.34	41.2	199.6	203.8	198.8	4.98	40.949	
775.0	775.0	775.9	775.9	2.5	2.5	78.34	41.2	199.6	203.8	198.7	5.06	40.280	
800.0	800.0	800.9	800.9	2.5	2.5	78.34	41.2	199.6	203.8	198.7	5.14	39.634	
825.0	825.0	825.9	825.9	2.6	2.6	78.34	41.2	199.6	203.8	198.6	5.22	39.047	
850.0	850.0	850.9	850.9	2.6	2.6	78.34	41.2	199.6	203.8	198.5	5.30	38.478	
875.0	875.0	875.9	875.9	2.6	2.6	78.34	41.2	199.6	203.8	198.4	5.37	37.925	
900.0	900.0	900.9	900.9	2.7	2.7	78.34	41.2	199.6	203.8	198.4	5.45	37.388	
925.0	925.0	925.9	925.9	2.7	2.7	78.34	41.2	199.6	203.8	198.3	5.52	36.895	
950.0	950.0	950.9	950.9	2.8	2.8	78.34	41.2	199.6	203.8	198.2	5.60	36.416	
975.0	975.0	975.9	975.9	2.8	2.8	78.34	41.2	199.6	203.8	198.1	5.67	35.948	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	78.34	41.2	199.6	203.8	198.1	5.74	35.493	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	78.34	41.2	199.6	203.8	198.0	5.81	35.071	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	78.34	41.2	199.6	203.8	197.9	5.88	34.659	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	78.34	41.2	199.6	203.8	197.9	5.95	34.256	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	78.34	41.2	199.6	203.8	197.8	6.02	33.864	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	78.34	41.2	199.6	203.8	197.7	6.08	33.497	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	78.34	41.2	199.6	203.8	197.7	6.15	33.138	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	78.34	41.2	199.6	203.8	197.6	6.22	32.787	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	78.34	41.2	199.6	203.8	197.5	6.28	32.444	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	78.34	41.2	199.6	203.8	197.5	6.34	32.121	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	78.34	41.2	199.6	203.8	197.4	6.41	31.805	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	78.34	41.2	199.6	203.8	197.3	6.47	31.495	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	78.34	41.2	199.6	203.8	197.3	6.53	31.191	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	78.34	41.2	199.6	203.8	197.2	6.59	30.904	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	78.34	41.2	199.6	203.8	197.2	6.66	30.622	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	78.34	41.2	199.6	203.8	197.1	6.72	30.346	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	78.34	41.2	199.6	203.8	197.0	6.78	30.075	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	78.34	41.2	199.6	203.8	197.0	6.84	29.817	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	78.34	41.2	199.6	203.8	196.9	6.89	29.565	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	78.34	41.2	199.6	203.8	196.9	6.95	29.316	
1,500.0	1,500.0	1,500.9	1,500.9	3.7	3.7	78.34	41.2	199.6	203.8	196.8	7.01	29.072	
1,525.0	1,525.0	1,525.9	1,525.9	3.7	3.7	78.34	41.2	199.6	203.8	196.7	7.07	28.839	
1,550.0	1,550.0	1,550.9	1,550.9	3.8	3.8	78.34	41.2	199.6	203.8	196.7	7.12	28.610	
1,575.0	1,575.0	1,575.9	1,575.9	3.8	3.8	78.34	41.2	199.6	203.8	196.6	7.18	28.385	
1,600.0	1,600.0	1,600.9	1,600.9	3.8	3.8	78.34	41.2	199.6	203.8	196.6	7.24	28.163	
1,625.0	1,625.0	1,625.9	1,625.9	3.9	3.9	78.34	41.2	199.6	203.8	196.5	7.29	27.952	
1,650.0	1,650.0	1,650.9	1,650.9	3.9	3.9	78.34	41.2	199.6	203.8	196.5	7.35	27.744	
1,675.0	1,675.0	1,675.9	1,675.9	3.9	3.9	78.34	41.2	199.6	203.8	196.4	7.40	27.538	
1,700.0	1,700.0	1,700.9	1,700.9	4.0	4.0	78.34	41.2	199.6	203.8	196.4	7.46	27.336	
1,725.0	1,725.0	1,725.9	1,725.9	4.0	4.0	78.34	41.2	199.6	203.8	196.3	7.51	27.143	
1,750.0	1,750.0	1,750.9	1,750.9	4.1	4.1	78.34	41.2	199.6	203.8	196.2	7.56	26.952	
1,775.0	1,775.0	1,775.9	1,775.9	4.1	4.1	78.34	41.2	199.6	203.8	196.2	7.62	26.764	
1,800.0	1,800.0	1,800.9	1,800.9	4.1	4.1	78.34	41.2	199.6	203.8	196.1	7.67	26.578	
1,825.0	1,825.0	1,825.9	1,825.9	4.2	4.2	78.34	41.2	199.6	203.8	196.1	7.72	26.400	
1,850.0	1,850.0	1,850.9	1,850.9	4.2	4.2	78.34	41.2	199.6	203.8	196.0	7.77	26.225	
1,875.0	1,875.0	1,875.9	1,875.9	4.2	4.2	78.34	41.2	199.6	203.8	196.0	7.82	26.051	
1,900.0	1,900.0	1,900.9	1,900.9	4.3	4.3	78.34	41.2	199.6	203.8	195.9	7.87	25.880	
1,925.0	1,925.0	1,925.9	1,925.9	4.3	4.3	78.34	41.2	199.6	203.8	195.9	7.93	25.716	
1,950.0	1,950.0	1,950.9	1,950.9	4.3	4.3	78.34	41.2	199.6	203.8	195.8	7.98	25.554	
1,975.0	1,975.0	1,975.9	1,975.9	4.4	4.4	78.34	41.2	199.6	203.8	195.8	8.03	25.393	
2,000.0	2,000.0	2,001.0	2,001.0	4.4	4.4	78.34	41.2	199.6	203.8	195.7	8.08	25.232	
2,025.0	2,025.0	2,027.7	2,027.7	4.5	4.4	78.32	41.2	199.5	203.7	195.5	8.18	24.895	
2,050.0	2,050.0	2,054.4	2,054.4	4.5	4.5	78.28	41.3	199.1	203.4	195.1	8.29	24.546	
2,075.0	2,075.0	2,081.2	2,081.2	4.6	4.5	78.21	41.4	198.5	202.8	194.4	8.39	24.185	
2,100.0	2,100.0	2,107.9	2,107.8	4.6	4.5	78.10	41.6	197.6	202.1	193.6	8.49	23.789	
2,125.0	2,125.0	2,134.6	2,134.5	4.7	4.6	77.97	41.9	196.5	201.1	192.5	8.62	23.341	
2,150.0	2,150.0	2,161.2	2,161.1	4.7	4.6	77.81	42.2	195.2	199.9	191.2	8.74	22.882	
2,175.0	2,175.0	2,187.9	2,187.7	4.7	4.7	77.62	42.5	193.6	198.5	189.7	8.86	22.414	
2,200.0	2,200.0	2,214.5	2,214.3	4.8	4.7	77.39	42.9	191.8	196.9	188.0	8.98	21.931	
2,225.0	2,225.0	2,241.1	2,240.8	4.8	4.8	77.13	43.3	189.7	195.1	186.0	9.10	21.440	
2,250.0	2,250.0	2,267.6	2,267.2	4.8	4.8	76.83	43.8	187.4	193.1	183.9	9.22	20.941	
2,275.0	2,275.0	2,294.1	2,293.5	4.9	4.9	76.50	44.4	184.9	190.9	181.6	9.34	20.435	
2,300.0	2,300.0	2,320.5	2,319.8	4.9	4.9	76.13	45.0	182.1	188.5	179.1	9.47	19.913	
2,325.0	2,325.0	2,346.9	2,346.0	5.0	5.0	75.71	45.6	179.1	185.9	176.3	9.59	19.388	
2,350.0	2,350.0	2,373.2	2,372.1	5.0	5.1	75.25	46.3	175.9	183.1	173.4	9.71	18.858	
2,375.0	2,375.0	2,399.5	2,398.2	5.0	5.1	74.73	47.1	172.4	180.1	170.3	9.83	18.323	
2,400.0	2,400.0	2,425.6	2,424.1	5.1	5.2	74.17	47.9	168.7	176.9	167.0	9.95	17.776	
2,425.0	2,425.0	2,451.8	2,449.9	5.1	5.3	73.54	48.7	164.9	173.6	163.5	10.07	17.228	
2,450.0	2,450.0	2,477.8	2,475.6	5.1	5.4	72.86	49.6	160.7	170.0	159.8	10.19	16.677	
2,475.0	2,475.0	2,503.8	2,501.2	5.2	5.5	72.10	50.5	156.4	166.3	156.0	10.31	16.128	
2,500.0	2,500.0	2,529.6	2,526.6	5.2	5.5	71.27	51.5	151.9	162.4	152.0	10.41	15.601	
2,525.0	2,525.0	2,555.4	2,551.9	5.3	5.6	-12.52	52.5	147.1	158.3	147.8	10.53	15.035	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,550.0	2,580.8	2,576.8	5.3	5.7	-13.57	53.6	142.3	153.8	143.1	10.64	14.454	
2,575.0	2,575.0	2,605.2	2,600.7	5.3	5.7	-14.67	54.6	137.5	149.1	138.3	10.74	13.875	
2,600.0	2,600.0	2,629.5	2,624.6	5.4	5.8	-15.87	55.6	132.8	144.2	133.3	10.87	13.265	
2,625.0	2,625.0	2,653.8	2,648.4	5.4	5.9	-17.18	56.6	128.0	139.2	128.2	11.00	12.659	
2,650.0	2,649.9	2,678.0	2,672.1	5.4	6.0	-18.62	57.7	123.3	134.1	123.0	11.12	12.058	
2,675.0	2,674.9	2,702.2	2,695.8	5.5	6.0	-20.19	58.7	118.6	128.8	117.6	11.24	11.463	
2,700.0	2,699.8	2,726.4	2,719.5	5.5	6.1	-21.94	59.7	113.9	123.5	112.1	11.36	10.875	
2,725.0	2,724.8	2,750.5	2,743.1	5.5	6.2	-23.88	60.7	109.2	118.1	106.6	11.47	10.295	
2,750.0	2,749.7	2,774.5	2,766.6	5.6	6.3	-26.05	61.7	104.5	112.6	101.0	11.58	9.726	
2,775.0	2,774.6	2,798.4	2,790.1	5.6	6.4	-28.47	62.7	99.8	107.1	95.4	11.68	9.171	
2,800.0	2,799.5	2,822.4	2,813.5	5.7	6.4	-31.21	63.7	95.2	101.6	89.9	11.77	8.632	
2,825.0	2,824.3	2,846.2	2,836.9	5.7	6.5	-34.30	64.7	90.5	96.2	84.4	11.86	8.112	
2,850.0	2,849.1	2,870.0	2,860.2	5.7	6.6	-37.81	65.7	85.9	90.9	79.0	11.94	7.618	
2,875.0	2,873.9	2,893.7	2,883.4	5.8	6.7	-41.79	66.7	81.3	85.9	73.9	12.00	7.156	
2,900.0	2,898.7	2,917.3	2,906.6	5.9	6.8	-46.30	67.7	76.7	81.1	69.1	12.05	6.731	
2,925.0	2,923.4	2,940.9	2,929.7	5.9	6.8	-51.39	68.7	72.1	76.8	64.7	12.09	6.349	
2,950.0	2,948.2	2,964.4	2,952.7	6.0	6.9	-57.10	69.7	67.5	73.0	60.9	12.13	6.022	
2,975.0	2,972.8	2,987.8	2,975.7	6.1	7.0	-63.40	70.7	62.9	70.0	57.9	12.17	5.756	
3,000.0	2,997.5	3,011.2	2,998.5	6.1	7.1	-70.24	71.7	58.4	68.0	55.7	12.23	5.559	
3,025.0	3,022.1	3,034.4	3,021.3	6.2	7.2	-77.45	72.6	53.9	67.0	54.7	12.32	5.437	
3,032.9	3,029.9	3,041.8	3,028.6	6.3	7.2	-79.79	73.0	52.4	66.9	54.6	12.36	5.414 CC, ES	
3,050.0	3,046.6	3,057.6	3,044.1	6.3	7.3	-84.85	73.6	49.3	67.2	54.8	12.47	5.392 SF	
3,075.0	3,071.1	3,080.7	3,066.7	6.4	7.4	-92.19	74.6	44.8	68.7	56.1	12.67	5.428	
3,100.0	3,095.6	3,103.7	3,089.3	6.5	7.5	-99.23	75.6	40.3	71.5	58.6	12.91	5.542	
3,125.0	3,120.1	3,126.7	3,111.8	6.5	7.5	-105.85	76.5	35.9	75.5	62.4	13.19	5.729	
3,150.0	3,144.5	3,149.7	3,134.3	6.6	7.6	-111.81	77.5	31.4	80.5	67.1	13.47	5.981	
3,175.0	3,169.0	3,172.7	3,156.9	6.7	7.7	-117.10	78.5	26.9	86.4	72.6	13.75	6.285	
3,200.0	3,193.4	3,195.7	3,179.4	6.8	7.8	-121.74	79.4	22.4	92.9	78.9	14.01	6.631	
3,225.0	3,217.9	3,218.7	3,201.9	6.8	7.9	-125.81	80.4	17.9	100.0	85.7	14.26	7.007	
3,250.0	3,242.3	3,241.7	3,224.4	6.9	8.0	-129.37	81.4	13.5	107.5	92.9	14.51	7.407	
3,275.0	3,266.8	3,264.6	3,247.0	7.0	8.1	-132.48	82.3	9.0	115.3	100.6	14.73	7.825	
3,300.0	3,291.3	3,287.6	3,269.5	7.1	8.2	-135.21	83.3	4.5	123.4	108.5	14.95	8.255	
3,325.0	3,315.7	3,310.6	3,292.0	7.1	8.3	-137.61	84.3	0.0	131.8	116.6	15.17	8.691	
3,350.0	3,340.2	3,333.6	3,314.5	7.2	8.3	-139.74	85.2	-4.5	140.3	125.0	15.37	9.131	
3,375.0	3,364.6	3,356.6	3,337.0	7.3	8.4	-141.63	86.2	-8.9	149.1	133.5	15.57	9.573	
3,400.0	3,389.1	3,379.6	3,359.6	7.4	8.5	-143.32	87.2	-13.4	157.9	142.1	15.77	10.015	
3,425.0	3,413.5	3,402.6	3,382.1	7.5	8.6	-144.83	88.1	-17.9	166.9	150.9	15.96	10.455	
3,450.0	3,438.0	3,425.5	3,404.6	7.5	8.7	-146.19	89.1	-22.4	175.9	159.8	16.15	10.891	
3,475.0	3,462.4	3,448.5	3,427.1	7.6	8.8	-147.42	90.1	-26.8	185.0	168.7	16.34	11.323	
3,500.0	3,486.9	3,471.5	3,449.7	7.7	8.9	-148.54	91.0	-31.3	194.2	177.7	16.53	11.752	
3,525.0	3,511.3	3,494.5	3,472.2	7.8	9.0	-149.56	92.0	-35.8	203.5	186.8	16.72	12.174	
3,550.0	3,535.8	3,517.5	3,494.7	7.9	9.1	-150.49	93.0	-40.3	212.8	195.9	16.90	12.590	
3,575.0	3,560.2	3,540.5	3,517.2	8.0	9.2	-151.34	93.9	-44.8	222.2	205.1	17.09	13.001	
3,600.0	3,584.7	3,563.5	3,539.8	8.1	9.3	-152.13	94.9	-49.2	231.5	214.3	17.27	13.406	
3,625.0	3,609.2	3,586.4	3,562.3	8.1	9.4	-152.86	95.9	-53.7	241.0	223.5	17.46	13.803	
3,650.0	3,633.6	3,609.4	3,584.8	8.2	9.5	-153.53	96.8	-58.2	250.4	232.8	17.64	14.195	
3,675.0	3,658.1	3,632.4	3,607.3	8.3	9.6	-154.15	97.8	-62.7	259.9	242.1	17.83	14.579	
3,700.0	3,682.5	3,655.4	3,629.9	8.4	9.7	-154.73	98.8	-67.2	269.4	251.4	18.01	14.958	
3,725.0	3,707.0	3,678.4	3,652.4	8.5	9.8	-155.27	99.7	-71.6	279.0	260.8	18.20	15.328	
3,750.0	3,731.4	3,701.4	3,674.9	8.6	9.9	-155.78	100.7	-76.1	288.5	270.1	18.39	15.693	
3,775.0	3,755.9	3,724.3	3,697.4	8.7	10.0	-156.25	101.7	-80.6	298.1	279.5	18.57	16.051	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,800.0	3,780.3	3,747.3	3,719.9	8.8	10.1	-156.69	102.6	-85.1	307.7	288.9	18.76	16.403	
3,825.0	3,804.8	3,770.3	3,742.5	8.9	10.2	-157.11	103.6	-89.6	317.3	298.3	18.95	16.748	
3,850.0	3,829.2	3,793.3	3,765.0	9.0	10.3	-157.50	104.6	-94.0	326.9	307.8	19.13	17.086	
3,875.0	3,853.7	3,816.3	3,787.5	9.1	10.3	-157.87	105.5	-98.5	336.5	317.2	19.32	17.419	
3,900.0	3,878.1	3,839.3	3,810.0	9.2	10.4	-158.22	106.5	-103.0	346.2	326.7	19.51	17.745	
3,925.0	3,902.6	3,862.3	3,832.6	9.3	10.5	-158.56	107.5	-107.5	355.8	336.1	19.70	18.065	
3,950.0	3,927.1	3,885.2	3,855.1	9.4	10.6	-158.87	108.4	-112.0	365.5	345.6	19.89	18.379	
3,975.0	3,951.5	3,908.2	3,877.6	9.5	10.7	-159.17	109.4	-116.4	375.2	355.1	20.08	18.687	
4,000.0	3,976.0	3,931.2	3,900.1	9.6	10.8	-159.45	110.4	-120.9	384.8	364.6	20.27	18.990	
4,025.0	4,000.4	3,954.2	3,922.7	9.7	10.9	-159.72	111.3	-125.4	394.5	374.1	20.46	19.286	
4,050.0	4,024.9	3,977.2	3,945.2	9.8	11.0	-159.98	112.3	-129.9	404.2	383.6	20.65	19.577	
4,075.0	4,049.3	4,000.2	3,967.7	9.9	11.1	-160.22	113.3	-134.4	413.9	393.1	20.84	19.863	
4,100.0	4,073.8	4,023.2	3,990.2	10.0	11.2	-160.45	114.2	-138.8	423.6	402.6	21.03	20.144	
4,125.0	4,098.2	4,046.1	4,012.8	10.1	11.3	-160.68	115.2	-143.3	433.3	412.1	21.22	20.419	
4,150.0	4,122.7	4,069.1	4,035.3	10.2	11.4	-160.89	116.2	-147.8	443.1	421.6	21.42	20.689	
4,175.0	4,147.1	4,092.1	4,057.8	10.3	11.5	-161.09	117.1	-152.3	452.8	431.2	21.61	20.954	
4,200.0	4,171.6	4,115.1	4,080.3	10.4	11.6	-161.29	118.1	-156.7	462.5	440.7	21.80	21.215	
4,225.0	4,196.0	4,138.1	4,102.8	10.5	11.7	-161.48	119.0	-161.2	472.2	450.2	21.99	21.470	
4,250.0	4,220.5	4,161.1	4,125.4	10.6	11.8	-161.66	120.0	-165.7	482.0	459.8	22.19	21.721	
4,275.0	4,244.9	4,184.0	4,147.9	10.7	11.9	-161.83	121.0	-170.2	491.7	469.3	22.38	21.967	
4,300.0	4,269.4	4,207.0	4,170.4	10.8	12.0	-162.00	121.9	-174.7	501.5	478.9	22.58	22.210	
4,325.0	4,293.9	4,230.0	4,192.9	10.9	12.1	-162.16	122.9	-179.1	511.2	488.4	22.77	22.447	
4,350.0	4,318.3	4,253.0	4,215.5	11.0	12.2	-162.31	123.9	-183.6	520.9	498.0	22.97	22.680	
4,375.0	4,342.8	4,276.0	4,238.0	11.1	12.3	-162.46	124.8	-188.1	530.7	507.5	23.17	22.909	
4,400.0	4,367.2	4,299.0	4,260.5	11.2	12.4	-162.60	125.8	-192.6	540.5	517.1	23.36	23.135	
4,425.0	4,391.7	4,322.0	4,283.0	11.3	12.5	-162.74	126.8	-197.1	550.2	526.7	23.56	23.355	
4,450.0	4,416.1	4,344.9	4,305.6	11.4	12.6	-162.87	127.7	-201.5	560.0	536.2	23.76	23.572	
4,475.0	4,440.6	4,367.9	4,328.1	11.5	12.7	-163.00	128.7	-206.0	569.7	545.8	23.95	23.786	
4,500.0	4,465.0	4,390.9	4,350.6	11.6	12.9	-163.12	129.7	-210.5	579.5	555.4	24.15	23.996	
4,525.0	4,489.5	4,413.9	4,373.1	11.7	13.0	-163.24	130.6	-215.0	589.3	564.9	24.35	24.202	
4,550.0	4,513.9	4,436.9	4,395.7	11.8	13.1	-163.36	131.6	-219.5	599.0	574.5	24.55	24.404	
4,575.0	4,538.4	4,459.9	4,418.2	11.9	13.2	-163.47	132.6	-223.9	608.8	584.1	24.75	24.603	
4,600.0	4,562.8	4,482.9	4,440.7	12.0	13.3	-163.58	133.5	-228.4	618.6	593.6	24.94	24.799	
4,625.0	4,587.3	4,505.8	4,463.2	12.1	13.4	-163.69	134.5	-232.9	628.4	603.2	25.14	24.991	
4,650.0	4,611.8	4,528.8	4,485.8	12.2	13.5	-163.79	135.5	-237.4	638.1	612.8	25.34	25.180	
4,675.0	4,636.2	4,551.8	4,508.3	12.3	13.6	-163.89	136.4	-241.9	647.9	622.4	25.54	25.366	
4,700.0	4,660.7	4,574.8	4,530.8	12.4	13.7	-163.98	137.4	-246.3	657.7	632.0	25.74	25.549	
4,725.0	4,685.1	4,597.8	4,553.3	12.6	13.8	-164.08	138.4	-250.8	667.5	641.5	25.94	25.728	
4,750.0	4,709.6	4,620.8	4,575.8	12.7	13.9	-164.17	139.3	-255.3	677.3	651.1	26.14	25.905	
4,775.0	4,734.0	4,643.7	4,598.4	12.8	14.0	-164.26	140.3	-259.8	687.1	660.7	26.35	26.079	
4,800.0	4,758.5	4,666.7	4,620.9	12.9	14.1	-164.34	141.3	-264.2	696.8	670.3	26.55	26.250	
4,825.0	4,782.9	4,689.7	4,643.4	13.0	14.2	-164.43	142.2	-268.7	706.6	679.9	26.75	26.419	
4,850.0	4,807.4	4,712.7	4,665.9	13.1	14.3	-164.51	143.2	-273.2	716.4	689.5	26.95	26.584	
4,875.0	4,831.8	4,735.7	4,688.5	13.2	14.4	-164.59	144.2	-277.7	726.2	699.1	27.15	26.747	
4,900.0	4,856.3	4,758.7	4,711.0	13.3	14.5	-164.66	145.1	-282.2	736.0	708.6	27.35	26.908	
4,925.0	4,880.7	4,781.7	4,733.5	13.4	14.6	-164.74	146.1	-286.6	745.8	718.2	27.56	27.065	
4,950.0	4,905.2	4,804.6	4,756.0	13.5	14.7	-164.81	147.1	-291.1	755.6	727.8	27.76	27.220	
4,975.0	4,929.7	4,827.6	4,778.6	13.6	14.8	-164.88	148.0	-295.6	765.4	737.4	27.96	27.373	
5,000.0	4,954.1	4,850.6	4,801.1	13.8	14.9	-164.95	149.0	-300.1	775.2	747.0	28.16	27.524	
5,025.0	4,978.6	4,873.6	4,823.6	13.9	15.0	-165.02	150.0	-304.6	785.0	756.6	28.37	27.672	
5,050.0	5,003.0	4,896.6	4,846.1	14.0	15.1	-165.08	150.9	-309.0	794.8	766.2	28.57	27.818	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,075.0	5,027.5	4,919.6	4,868.7	14.1	15.2	-165.15	151.9	-313.5	804.6	775.8	28.77	27.962	
5,100.0	5,051.9	4,942.6	4,891.2	14.2	15.3	-165.21	152.9	-318.0	814.4	785.4	28.98	28.103	
5,125.0	5,076.4	4,965.5	4,913.7	14.3	15.4	-165.27	153.8	-322.5	824.2	795.0	29.18	28.242	
5,150.0	5,100.8	4,988.5	4,936.2	14.4	15.5	-165.33	154.8	-327.0	834.0	804.6	29.39	28.380	
5,175.0	5,125.3	5,011.5	4,958.7	14.5	15.6	-165.39	155.8	-331.4	843.8	814.2	29.59	28.515	
5,200.0	5,149.7	5,034.5	4,981.3	14.6	15.7	-165.45	156.7	-335.9	853.6	823.8	29.80	28.648	
5,225.0	5,174.2	5,057.5	5,003.8	14.7	15.8	-165.50	157.7	-340.4	863.4	833.4	30.00	28.779	
5,250.0	5,198.6	5,080.5	5,026.3	14.9	15.9	-165.56	158.7	-344.9	873.2	843.0	30.20	28.908	
5,275.0	5,223.1	5,103.5	5,048.8	15.0	16.0	-165.61	159.6	-349.4	883.0	852.6	30.41	29.036	
5,300.0	5,247.6	5,126.4	5,071.4	15.1	16.2	-165.66	160.6	-353.8	892.8	862.2	30.62	29.162	
5,325.0	5,272.0	5,149.4	5,093.9	15.2	16.3	-165.71	161.6	-358.3	902.6	871.8	30.82	29.285	
5,350.0	5,296.5	5,172.4	5,116.4	15.3	16.4	-165.76	162.5	-362.8	912.4	881.4	31.03	29.407	
5,375.0	5,320.9	5,195.4	5,138.9	15.4	16.5	-165.81	163.5	-367.3	922.2	891.0	31.23	29.527	
5,400.0	5,345.4	5,218.4	5,161.5	15.5	16.6	-165.86	164.5	-371.8	932.0	900.6	31.44	29.646	
5,425.0	5,369.8	5,241.4	5,184.0	15.6	16.7	-165.91	165.4	-376.2	941.8	910.2	31.64	29.763	
5,450.0	5,394.3	5,264.3	5,206.5	15.7	16.8	-165.95	166.4	-380.7	951.6	919.8	31.85	29.878	
5,475.0	5,418.7	5,287.3	5,229.0	15.9	16.9	-166.00	167.4	-385.2	961.4	929.4	32.06	29.992	
5,500.0	5,443.2	5,310.3	5,251.6	16.0	17.0	-166.04	168.3	-389.7	971.2	939.0	32.26	30.104	
5,525.0	5,467.6	5,333.3	5,274.1	16.1	17.1	-166.08	169.3	-394.1	981.1	948.6	32.47	30.214	
5,550.0	5,492.1	5,356.3	5,296.6	16.2	17.2	-166.13	170.3	-398.6	990.9	958.2	32.68	30.323	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	0.0	0.0	83.91	21.3	199.8	200.9				
25.0	25.0	25.9	25.9	0.5	0.1	83.91	21.3	199.8	200.9				
50.0	50.0	50.9	50.9	0.5	0.3	83.91	21.3	199.8	200.9	199.7	1.28	157.327	
75.0	75.0	75.9	75.9	0.5	0.4	83.91	21.3	199.8	200.9	199.6	1.37	146.454	
100.0	100.0	100.9	100.9	0.5	0.5	83.91	21.3	199.8	200.9	199.4	1.49	134.913	
125.0	125.0	125.9	125.9	0.6	0.6	83.91	21.3	199.8	200.9	199.2	1.74	115.801	
150.0	150.0	150.9	150.9	0.8	0.8	83.91	21.3	199.8	200.9	199.0	1.98	101.431	
175.0	175.0	175.9	175.9	0.9	0.9	83.91	21.3	199.8	200.9	198.7	2.23	90.235	
200.0	200.0	200.9	200.9	1.0	1.0	83.91	21.3	199.8	200.9	198.5	2.47	81.315	
225.0	225.0	225.9	225.9	1.1	1.1	83.91	21.3	199.8	200.9	198.3	2.63	76.384	
250.0	250.0	250.9	250.9	1.2	1.2	83.91	21.3	199.8	200.9	198.1	2.79	72.016	
275.0	275.0	275.9	275.9	1.3	1.3	83.91	21.3	199.8	200.9	198.0	2.95	68.121	
300.0	300.0	300.9	300.9	1.4	1.4	83.91	21.3	199.8	200.9	197.8	3.11	64.638	
325.0	325.0	325.9	325.9	1.4	1.4	83.91	21.3	199.8	200.9	197.7	3.24	62.086	
350.0	350.0	350.9	350.9	1.5	1.5	83.91	21.3	199.8	200.9	197.6	3.36	59.728	
375.0	375.0	375.9	375.9	1.6	1.6	83.91	21.3	199.8	200.9	197.4	3.49	57.542	
400.0	400.0	400.9	400.9	1.6	1.6	83.91	21.3	199.8	200.9	197.3	3.62	55.516	
425.0	425.0	425.9	425.9	1.7	1.7	83.91	21.3	199.8	200.9	197.2	3.73	53.882	
450.0	450.0	450.9	450.9	1.8	1.8	83.91	21.3	199.8	200.9	197.1	3.84	52.342	
475.0	475.0	475.9	475.9	1.8	1.8	83.91	21.3	199.8	200.9	197.0	3.95	50.887	
500.0	500.0	500.9	500.9	1.9	1.9	83.91	21.3	199.8	200.9	196.9	4.06	49.514	
525.0	525.0	525.9	525.9	1.9	1.9	83.91	21.3	199.8	200.9	196.8	4.16	48.349	
550.0	550.0	550.9	550.9	2.0	2.0	83.91	21.3	199.8	200.9	196.7	4.25	47.239	
575.0	575.0	575.9	575.9	2.1	2.1	83.91	21.3	199.8	200.9	196.6	4.35	46.178	
600.0	600.0	600.9	600.9	2.1	2.1	83.91	21.3	199.8	200.9	196.5	4.45	45.165	
625.0	625.0	625.9	625.9	2.2	2.2	83.91	21.3	199.8	200.9	196.4	4.54	44.280	
650.0	650.0	650.9	650.9	2.2	2.2	83.91	21.3	199.8	200.9	196.3	4.63	43.429	
675.0	675.0	675.9	675.9	2.3	2.3	83.91	21.3	199.8	200.9	196.2	4.72	42.610	
700.0	700.0	700.9	700.9	2.3	2.3	83.91	21.3	199.8	200.9	196.1	4.80	41.822	
725.0	725.0	725.9	725.9	2.4	2.4	83.91	21.3	199.8	200.9	196.0	4.89	41.119	
750.0	750.0	750.9	750.9	2.4	2.4	83.91	21.3	199.8	200.9	196.0	4.97	40.438	
775.0	775.0	775.9	775.9	2.5	2.5	83.91	21.3	199.8	200.9	195.9	5.05	39.780	
800.0	800.0	800.9	800.9	2.5	2.5	83.91	21.3	199.8	200.9	195.8	5.13	39.144	
825.0	825.0	825.9	825.9	2.6	2.6	83.91	21.3	199.8	200.9	195.7	5.21	38.567	
850.0	850.0	850.9	850.9	2.6	2.6	83.91	21.3	199.8	200.9	195.6	5.29	38.007	
875.0	875.0	875.9	875.9	2.6	2.6	83.91	21.3	199.8	200.9	195.6	5.36	37.463	
900.0	900.0	900.9	900.9	2.7	2.7	83.91	21.3	199.8	200.9	195.5	5.44	36.935	
925.0	925.0	925.9	925.9	2.7	2.7	83.91	21.3	199.8	200.9	195.4	5.51	36.450	
950.0	950.0	950.9	950.9	2.8	2.8	83.91	21.3	199.8	200.9	195.3	5.58	35.978	
975.0	975.0	975.9	975.9	2.8	2.8	83.91	21.3	199.8	200.9	195.3	5.66	35.518	
1,000.0	1,000.0	1,000.9	1,000.9	2.9	2.9	83.91	21.3	199.8	200.9	195.2	5.73	35.070	
1,025.0	1,025.0	1,025.9	1,025.9	2.9	2.9	83.91	21.3	199.8	200.9	195.1	5.80	34.656	
1,050.0	1,050.0	1,050.9	1,050.9	3.0	3.0	83.91	21.3	199.8	200.9	195.1	5.87	34.251	
1,075.0	1,075.0	1,075.9	1,075.9	3.0	3.0	83.91	21.3	199.8	200.9	195.0	5.94	33.855	
1,100.0	1,100.0	1,100.9	1,100.9	3.0	3.0	83.91	21.3	199.8	200.9	194.9	6.00	33.469	
1,125.0	1,125.0	1,125.9	1,125.9	3.1	3.1	83.91	21.3	199.8	200.9	194.9	6.07	33.108	
1,150.0	1,150.0	1,150.9	1,150.9	3.1	3.1	83.91	21.3	199.8	200.9	194.8	6.13	32.756	
1,175.0	1,175.0	1,175.9	1,175.9	3.2	3.2	83.91	21.3	199.8	200.9	194.7	6.20	32.410	
1,200.0	1,200.0	1,200.9	1,200.9	3.2	3.2	83.91	21.3	199.8	200.9	194.7	6.26	32.073	
1,225.0	1,225.0	1,225.9	1,225.9	3.2	3.2	83.91	21.3	199.8	200.9	194.6	6.33	31.756	
1,250.0	1,250.0	1,250.9	1,250.9	3.3	3.3	83.91	21.3	199.8	200.9	194.5	6.39	31.445	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.9	1,275.9	3.3	3.3	83.91	21.3	199.8	200.9	194.5	6.45	31.140	
1,300.0	1,300.0	1,300.9	1,300.9	3.4	3.4	83.91	21.3	199.8	200.9	194.4	6.52	30.841	
1,325.0	1,325.0	1,325.9	1,325.9	3.4	3.4	83.91	21.3	199.8	200.9	194.4	6.58	30.560	
1,350.0	1,350.0	1,350.9	1,350.9	3.4	3.4	83.91	21.3	199.8	200.9	194.3	6.64	30.283	
1,375.0	1,375.0	1,375.9	1,375.9	3.5	3.5	83.91	21.3	199.8	200.9	194.2	6.70	30.011	
1,400.0	1,400.0	1,400.9	1,400.9	3.5	3.5	83.91	21.3	199.8	200.9	194.2	6.76	29.745	
1,425.0	1,425.0	1,425.9	1,425.9	3.6	3.6	83.91	21.3	199.8	200.9	194.1	6.81	29.492	
1,450.0	1,450.0	1,450.9	1,450.9	3.6	3.6	83.91	21.3	199.8	200.9	194.1	6.87	29.244	
1,475.0	1,475.0	1,475.9	1,475.9	3.6	3.6	83.91	21.3	199.8	200.9	194.0	6.93	28.999	
1,500.0	1,500.0	1,501.0	1,501.0	3.7	3.7	83.91	21.3	199.8	200.9	193.9	6.99	28.754	
1,525.0	1,525.0	1,527.8	1,527.8	3.7	3.7	83.92	21.3	199.7	200.8	193.7	7.08	28.356	
1,550.0	1,550.0	1,554.7	1,554.7	3.8	3.8	83.94	21.2	199.3	200.5	193.3	7.18	27.932	
1,575.0	1,575.0	1,581.5	1,581.5	3.8	3.8	83.97	21.0	198.7	199.9	192.6	7.27	27.484	
1,600.0	1,600.0	1,608.4	1,608.3	3.8	3.8	84.01	20.8	197.8	199.0	191.7	7.38	26.985	
1,625.0	1,625.0	1,635.2	1,635.1	3.9	3.9	84.06	20.5	196.7	198.0	190.5	7.50	26.408	
1,650.0	1,650.0	1,662.0	1,661.9	3.9	4.0	84.12	20.1	195.4	196.7	189.1	7.62	25.818	
1,675.0	1,675.0	1,688.7	1,688.6	3.9	4.0	84.20	19.7	193.8	195.2	187.5	7.74	25.217	
1,700.0	1,700.0	1,715.4	1,715.2	4.0	4.1	84.29	19.2	192.0	193.5	185.6	7.86	24.602	
1,725.0	1,725.0	1,742.1	1,741.9	4.0	4.2	84.39	18.7	189.9	191.5	183.5	7.99	23.978	
1,750.0	1,750.0	1,768.8	1,768.4	4.1	4.2	84.51	18.0	187.6	189.3	181.2	8.11	23.345	
1,775.0	1,775.0	1,795.4	1,794.9	4.1	4.3	84.64	17.4	185.1	186.9	178.6	8.23	22.704	
1,800.0	1,800.0	1,821.9	1,821.3	4.1	4.4	84.79	16.6	182.3	184.2	175.9	8.36	22.046	
1,825.0	1,825.0	1,848.4	1,847.6	4.2	4.5	84.96	15.8	179.4	181.4	172.9	8.48	21.385	
1,850.0	1,850.0	1,874.9	1,873.8	4.2	4.6	85.15	15.0	176.1	178.3	169.6	8.60	20.716	
1,875.0	1,875.0	1,901.2	1,899.9	4.2	4.7	85.35	14.0	172.7	174.9	166.2	8.73	20.038	
1,900.0	1,900.0	1,927.5	1,926.0	4.3	4.8	85.58	13.1	169.0	171.4	162.5	8.86	19.349	
1,925.0	1,925.0	1,953.8	1,951.9	4.3	4.9	85.84	12.0	165.2	167.6	158.6	8.98	18.656	
1,950.0	1,950.0	1,979.9	1,977.7	4.3	5.0	86.12	10.9	161.1	163.6	154.5	9.11	17.959	
1,975.0	1,975.0	2,006.0	2,003.4	4.4	5.1	86.44	9.8	156.7	159.4	150.2	9.24	17.257	
2,000.0	2,000.0	2,032.0	2,028.9	4.4	5.2	86.78	8.6	152.2	155.0	145.7	9.37	16.546	
2,025.0	2,025.0	2,057.9	2,054.4	4.5	5.3	87.17	7.3	147.5	150.4	140.9	9.52	15.801	
2,050.0	2,050.0	2,083.7	2,079.7	4.5	5.4	87.60	6.0	142.6	145.6	135.9	9.67	15.058	
2,075.0	2,075.0	2,109.4	2,104.8	4.6	5.5	88.09	4.6	137.4	140.5	130.7	9.82	14.316	
2,100.0	2,100.0	2,135.0	2,129.8	4.6	5.6	88.63	3.2	132.1	135.3	125.3	9.96	13.574	
2,125.0	2,125.0	2,160.5	2,154.7	4.7	5.7	89.24	1.7	126.6	129.8	119.7	10.11	12.841	
2,150.0	2,150.0	2,185.9	2,179.4	4.7	5.8	89.93	0.1	120.9	124.2	113.9	10.25	12.112	
2,175.0	2,175.0	2,211.2	2,204.0	4.7	5.9	90.71	-1.4	115.0	118.3	107.9	10.39	11.385	
2,200.0	2,200.0	2,236.4	2,228.3	4.8	6.0	91.61	-3.1	108.9	112.3	101.8	10.54	10.660	
2,225.0	2,225.0	2,261.5	2,252.6	4.8	6.1	92.64	-4.7	102.6	106.1	95.5	10.67	9.942	
2,250.0	2,250.0	2,286.4	2,276.6	4.8	6.2	93.84	-6.5	96.2	99.8	89.0	10.81	9.230	
2,275.0	2,275.0	2,311.3	2,300.5	4.9	6.3	95.25	-8.2	89.6	93.3	82.3	10.93	8.532	
2,300.0	2,300.0	2,336.0	2,324.1	4.9	6.4	96.92	-10.0	82.8	86.6	75.6	11.04	7.847	
2,325.0	2,325.0	2,360.5	2,347.7	5.0	6.5	98.91	-11.9	75.9	79.8	68.7	11.13	7.171	
2,350.0	2,350.0	2,384.8	2,370.8	5.0	6.6	101.31	-13.8	68.9	73.0	61.8	11.22	6.509	
2,375.0	2,375.0	2,408.6	2,393.5	5.0	6.7	104.16	-15.6	62.0	66.3	55.0	11.29	5.873	
2,400.0	2,400.0	2,432.4	2,416.2	5.1	6.8	107.62	-17.5	55.0	59.8	48.4	11.35	5.264	
2,425.0	2,425.0	2,456.3	2,439.0	5.1	6.9	111.90	-19.3	48.1	53.5	42.1	11.39	4.694	
2,450.0	2,450.0	2,480.2	2,461.8	5.1	6.9	117.24	-21.2	41.2	47.6	36.2	11.40	4.173	
2,475.0	2,475.0	2,504.2	2,484.7	5.2	7.0	123.87	-22.9	34.2	42.1	30.7	11.36	3.703	
2,500.0	2,500.0	2,528.3	2,507.7	5.2	7.1	132.06	-24.5	27.1	37.1	25.8	11.33	3.279	
2,525.0	2,525.0	2,552.4	2,530.7	5.3	7.2	59.54	-25.8	20.0	33.0	21.7	11.29	2.920	Normal Operations

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	2,550.0	2,576.4	2,553.6	5.3	7.3	72.34	-26.9	12.9	29.9	18.6	11.29	2.645	Normal Operations
2,575.0	2,575.0	2,600.3	2,576.4	5.3	7.4	87.28	-27.8	5.9	28.4	16.9	11.45	2.480	Caution - Monitor Closely
2,580.6	2,580.6	2,605.7	2,581.5	5.3	7.4	90.79	-28.0	4.3	28.3	16.8	11.51	2.462	Caution - Monitor Closely, CC, ES
2,600.0	2,600.0	2,624.2	2,599.2	5.4	7.5	102.93	-28.6	-1.2	29.0	17.2	11.81	2.455	Caution - Monitor Closely, SF
2,625.0	2,625.0	2,647.9	2,621.8	5.4	7.6	117.43	-29.1	-8.4	31.7	19.4	12.30	2.578	Normal Operations
2,650.0	2,649.9	2,671.6	2,644.4	5.4	7.7	129.56	-29.4	-15.4	36.2	23.5	12.76	2.839	Normal Operations
2,675.0	2,674.9	2,694.9	2,666.7	5.5	7.8	139.01	-29.7	-22.5	42.2	29.1	13.12	3.214	
2,700.0	2,699.8	2,718.2	2,688.9	5.5	7.9	146.22	-30.0	-29.5	49.2	35.8	13.42	3.665	
2,725.0	2,724.8	2,741.5	2,711.0	5.5	8.0	151.73	-30.3	-36.5	57.0	43.3	13.67	4.166	
2,750.0	2,749.7	2,764.6	2,733.1	5.6	8.0	156.01	-30.6	-43.4	65.3	51.4	13.89	4.702	
2,775.0	2,774.6	2,787.7	2,755.1	5.6	8.1	159.37	-30.9	-50.3	74.1	60.0	14.09	5.260	
2,800.0	2,799.5	2,810.6	2,777.0	5.7	8.2	162.08	-31.1	-57.2	83.3	69.0	14.28	5.834	
2,825.0	2,824.3	2,833.5	2,798.8	5.7	8.3	164.28	-31.4	-64.1	92.8	78.4	14.47	6.417	
2,850.0	2,849.1	2,856.3	2,820.6	5.7	8.4	166.10	-31.7	-71.0	102.7	88.0	14.65	7.008	
2,875.0	2,873.9	2,879.0	2,842.2	5.8	8.5	167.63	-32.0	-77.8	112.8	97.9	14.83	7.605	
2,900.0	2,898.7	2,901.6	2,863.8	5.9	8.6	168.93	-32.2	-84.6	123.1	108.1	15.00	8.207	
2,925.0	2,923.4	2,924.2	2,885.3	5.9	8.7	170.04	-32.5	-91.3	133.7	118.5	15.18	8.808	
2,950.0	2,948.2	2,946.6	2,906.6	6.0	8.8	171.00	-32.8	-98.1	144.5	129.2	15.36	9.412	
2,975.0	2,972.8	2,968.9	2,927.9	6.1	8.9	171.84	-33.1	-104.8	155.6	140.1	15.53	10.017	
3,000.0	2,997.5	2,991.1	2,949.1	6.1	9.0	172.57	-33.3	-111.5	166.9	151.2	15.71	10.623	
3,025.0	3,022.1	3,013.3	2,970.2	6.2	9.1	173.22	-33.6	-118.1	178.3	162.5	15.89	11.226	
3,050.0	3,046.6	3,035.3	2,991.3	6.3	9.2	173.80	-33.9	-124.7	190.0	174.0	16.07	11.830	
3,075.0	3,071.1	3,057.2	3,012.2	6.4	9.3	174.32	-34.1	-131.3	201.9	185.7	16.24	12.433	
3,100.0	3,095.6	3,079.0	3,032.9	6.5	9.4	174.78	-34.4	-137.9	214.0	197.6	16.42	13.036	
3,125.0	3,120.1	3,100.8	3,053.7	6.5	9.5	175.22	-34.7	-144.4	226.3	209.7	16.59	13.641	
3,150.0	3,144.5	3,122.6	3,074.5	6.6	9.6	175.62	-34.9	-151.0	238.5	221.7	16.76	14.232	
3,175.0	3,169.0	3,144.3	3,095.2	6.7	9.7	175.98	-35.2	-157.5	250.7	233.8	16.93	14.813	
3,200.0	3,193.4	3,166.1	3,116.0	6.8	9.8	176.30	-35.5	-164.0	262.9	245.9	17.09	15.382	
3,225.0	3,217.9	3,187.9	3,136.8	6.8	9.9	176.60	-35.7	-170.6	275.2	257.9	17.27	15.938	
3,250.0	3,242.3	3,209.6	3,157.5	6.9	10.0	176.87	-36.0	-177.1	287.4	270.0	17.44	16.483	
3,275.0	3,266.8	3,231.4	3,178.3	7.0	10.1	177.12	-36.3	-183.7	299.7	282.1	17.61	17.016	
3,300.0	3,291.3	3,253.2	3,199.0	7.1	10.2	177.35	-36.5	-190.2	311.9	294.2	17.78	17.540	
3,325.0	3,315.7	3,274.9	3,219.8	7.1	10.3	177.56	-36.8	-196.7	324.2	306.2	17.96	18.050	
3,350.0	3,340.2	3,296.7	3,240.5	7.2	10.4	177.76	-37.1	-203.3	336.5	318.3	18.14	18.551	
3,375.0	3,364.6	3,318.4	3,261.3	7.3	10.5	177.94	-37.3	-209.8	348.7	330.4	18.31	19.041	
3,400.0	3,389.1	3,340.2	3,282.1	7.4	10.6	178.11	-37.6	-216.4	361.0	342.5	18.49	19.522	
3,425.0	3,413.5	3,362.0	3,302.8	7.5	10.7	178.27	-37.9	-222.9	373.3	354.6	18.67	19.990	
3,450.0	3,438.0	3,383.7	3,323.6	7.5	10.8	178.42	-38.1	-229.4	385.5	366.7	18.85	20.450	
3,475.0	3,462.4	3,405.5	3,344.3	7.6	10.9	178.56	-38.4	-236.0	397.8	378.8	19.03	20.901	
3,500.0	3,486.9	3,427.3	3,365.1	7.7	11.0	178.69	-38.7	-242.5	410.1	390.9	19.21	21.342	
3,525.0	3,511.3	3,449.0	3,385.8	7.8	11.1	178.81	-38.9	-249.1	422.4	403.0	19.40	21.773	
3,550.0	3,535.8	3,470.8	3,406.6	7.9	11.2	178.93	-39.2	-255.6	434.6	415.0	19.58	22.195	
3,575.0	3,560.2	3,492.6	3,427.4	8.0	11.3	179.04	-39.4	-262.1	446.9	427.1	19.77	22.610	
3,600.0	3,584.7	3,514.3	3,448.1	8.1	11.4	179.14	-39.7	-268.7	459.2	439.2	19.95	23.017	
3,625.0	3,609.2	3,536.1	3,468.9	8.1	11.5	179.24	-40.0	-275.2	471.5	451.3	20.14	23.413	
3,650.0	3,633.6	3,557.9	3,489.6	8.2	11.6	179.34	-40.2	-281.8	483.7	463.4	20.32	23.801	
3,675.0	3,658.1	3,579.6	3,510.4	8.3	11.7	179.43	-40.5	-288.3	496.0	475.5	20.51	24.183	
3,700.0	3,682.5	3,601.4	3,531.1	8.4	11.8	179.51	-40.8	-294.8	508.3	487.6	20.70	24.558	
3,725.0	3,707.0	3,623.1	3,551.9	8.5	11.9	179.59	-41.0	-301.4	520.6	499.7	20.89	24.923	
3,750.0	3,731.4	3,644.9	3,572.7	8.6	12.0	179.67	-41.3	-307.9	532.9	511.8	21.08	25.281	
3,775.0	3,755.9	3,666.7	3,593.4	8.7	12.1	179.74	-41.6	-314.5	545.2	523.9	21.27	25.633	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
3,800.0	3,780.3	3,688.4	3,614.2	8.8	12.2	179.81	-41.8	-321.0	557.5	536.0	21.46	25.979	
3,825.0	3,804.8	3,710.2	3,634.9	8.9	12.3	179.88	-42.1	-327.5	569.7	548.1	21.65	26.316	
3,850.0	3,829.2	3,732.0	3,655.7	9.0	12.4	179.95	-42.4	-334.1	582.0	560.2	21.84	26.647	
3,875.0	3,853.7	3,753.7	3,676.4	9.1	12.6	-179.99	-42.6	-340.6	594.3	572.3	22.03	26.972	
3,900.0	3,878.1	3,775.5	3,697.2	9.2	12.7	-179.93	-42.9	-347.1	606.6	584.4	22.23	27.292	
3,925.0	3,902.6	3,797.3	3,718.0	9.3	12.8	-179.87	-43.2	-353.7	618.9	596.5	22.42	27.604	
3,950.0	3,927.1	3,819.0	3,738.7	9.4	12.9	-179.82	-43.4	-360.2	631.2	608.6	22.62	27.910	
3,975.0	3,951.5	3,840.8	3,759.5	9.5	13.0	-179.77	-43.7	-366.8	643.5	620.7	22.81	28.211	
4,000.0	3,976.0	3,862.6	3,780.2	9.6	13.1	-179.72	-44.0	-373.3	655.8	632.8	23.00	28.507	
4,025.0	4,000.4	3,884.3	3,801.0	9.7	13.2	-179.67	-44.2	-379.8	668.1	644.9	23.20	28.795	
4,050.0	4,024.9	3,906.1	3,821.7	9.8	13.3	-179.62	-44.5	-386.4	680.4	657.0	23.40	29.079	
4,075.0	4,049.3	3,927.8	3,842.5	9.9	13.4	-179.57	-44.7	-392.9	692.6	669.1	23.59	29.358	
4,100.0	4,073.8	3,949.6	3,863.3	10.0	13.5	-179.53	-45.0	-399.5	704.9	681.1	23.79	29.632	
4,125.0	4,098.2	3,971.4	3,884.0	10.1	13.6	-179.49	-45.3	-406.0	717.2	693.2	23.99	29.900	
4,150.0	4,122.7	3,993.1	3,904.8	10.2	13.7	-179.45	-45.5	-412.5	729.5	705.3	24.19	30.164	
4,175.0	4,147.1	4,014.9	3,925.5	10.3	13.8	-179.41	-45.8	-419.1	741.8	717.4	24.38	30.423	
4,200.0	4,171.6	4,036.7	3,946.3	10.4	13.9	-179.37	-46.1	-425.6	754.1	729.5	24.58	30.678	
4,225.0	4,196.0	4,058.4	3,967.0	10.5	14.0	-179.33	-46.3	-432.2	766.4	741.6	24.78	30.927	
4,250.0	4,220.5	4,080.2	3,987.8	10.6	14.1	-179.30	-46.6	-438.7	778.7	753.7	24.98	31.172	
4,275.0	4,244.9	4,102.0	4,008.6	10.7	14.2	-179.26	-46.9	-445.2	791.0	765.8	25.18	31.413	
4,300.0	4,269.4	4,123.7	4,029.3	10.8	14.3	-179.23	-47.1	-451.8	803.3	777.9	25.38	31.650	
4,325.0	4,293.9	4,145.5	4,050.1	10.9	14.4	-179.19	-47.4	-458.3	815.6	790.0	25.58	31.882	
4,350.0	4,318.3	4,167.3	4,070.8	11.0	14.5	-179.16	-47.7	-464.9	827.9	802.1	25.78	32.110	
4,375.0	4,342.8	4,189.0	4,091.6	11.1	14.7	-179.13	-47.9	-471.4	840.2	814.2	25.98	32.335	
4,400.0	4,367.2	4,210.8	4,112.3	11.2	14.8	-179.10	-48.2	-477.9	852.5	826.3	26.18	32.556	
4,425.0	4,391.7	4,232.5	4,133.1	11.3	14.9	-179.07	-48.5	-484.5	864.8	838.4	26.39	32.773	
4,450.0	4,416.1	4,254.3	4,153.9	11.4	15.0	-179.04	-48.7	-491.0	877.1	850.5	26.59	32.986	
4,475.0	4,440.6	4,276.1	4,174.6	11.5	15.1	-179.02	-49.0	-497.6	889.3	862.6	26.79	33.195	
4,500.0	4,465.0	4,297.8	4,195.4	11.6	15.2	-178.99	-49.3	-504.1	901.6	874.6	26.99	33.402	
4,525.0	4,489.5	4,319.6	4,216.1	11.7	15.3	-178.96	-49.5	-510.6	913.9	886.7	27.20	33.604	
4,550.0	4,513.9	4,341.4	4,236.9	11.8	15.4	-178.94	-49.8	-517.2	926.2	898.8	27.40	33.803	
4,575.0	4,538.4	4,363.1	4,257.6	11.9	15.5	-178.91	-50.1	-523.7	938.5	910.9	27.60	33.999	
4,600.0	4,562.8	4,384.9	4,278.4	12.0	15.6	-178.89	-50.3	-530.3	950.8	923.0	27.81	34.192	
4,625.0	4,587.3	4,406.7	4,299.1	12.1	15.7	-178.87	-50.6	-536.8	963.1	935.1	28.01	34.382	
4,650.0	4,611.8	4,428.4	4,319.9	12.2	15.8	-178.84	-50.8	-543.3	975.4	947.2	28.22	34.568	
4,675.0	4,636.2	4,450.2	4,340.7	12.3	15.9	-178.82	-51.1	-549.9	987.7	959.3	28.42	34.752	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	-0.57	20.0	-0.2	20.0				
25.0	25.0	24.9	24.9	0.5	0.1	-0.57	20.0	-0.2	20.0				
50.0	50.0	49.9	49.9	0.5	0.3	-0.57	20.0	-0.2	20.0	18.7	1.28	15.593	
75.0	75.0	74.9	74.9	0.5	0.4	-0.57	20.0	-0.2	20.0	18.6	1.38	14.521	
100.0	100.0	99.9	99.9	0.5	0.5	-0.57	20.0	-0.2	20.0	18.5	1.50	13.375	
125.0	125.0	124.9	124.9	0.6	0.6	-0.57	20.0	-0.2	20.0	18.3	1.75	11.449	
150.0	150.0	149.9	149.9	0.8	0.8	-0.57	20.0	-0.2	20.0	18.0	2.00	10.008	
175.0	175.0	174.9	174.9	0.9	0.9	-0.57	20.0	-0.2	20.0	17.8	2.25	8.889	
200.0	200.0	199.9	199.9	1.0	1.0	-0.57	20.0	-0.2	20.0	17.5	2.50	7.996	
225.0	225.0	224.9	224.9	1.1	1.1	-0.57	20.0	-0.2	20.0	17.3	2.67	7.494	
250.0	250.0	249.9	249.9	1.2	1.2	-0.57	20.0	-0.2	20.0	17.2	2.84	7.052	
275.0	275.0	274.9	274.9	1.3	1.3	-0.57	20.0	-0.2	20.0	17.0	3.00	6.659	
300.0	300.0	299.9	299.9	1.4	1.4	-0.57	20.0	-0.2	20.0	16.8	3.17	6.308	
325.0	325.0	324.9	324.9	1.4	1.4	-0.57	20.0	-0.2	20.0	16.7	3.31	6.046	
350.0	350.0	349.9	349.9	1.5	1.5	-0.57	20.0	-0.2	20.0	16.6	3.45	5.806	
375.0	375.0	374.9	374.9	1.6	1.6	-0.57	20.0	-0.2	20.0	16.4	3.58	5.583	
400.0	400.0	399.9	399.9	1.6	1.6	-0.57	20.0	-0.2	20.0	16.3	3.72	5.378	
425.0	425.0	424.9	424.9	1.7	1.7	-0.57	20.0	-0.2	20.0	16.2	3.84	5.209	
450.0	450.0	449.9	449.9	1.8	1.8	-0.57	20.0	-0.2	20.0	16.0	3.96	5.051	
475.0	475.0	474.9	474.9	1.8	1.8	-0.57	20.0	-0.2	20.0	15.9	4.08	4.902	
500.0	500.0	499.9	499.9	1.9	1.9	-0.57	20.0	-0.2	20.0	15.8	4.20	4.762	
525.0	525.0	524.9	524.9	1.9	1.9	-0.57	20.0	-0.2	20.0	15.7	4.31	4.641	
550.0	550.0	549.9	549.9	2.0	2.0	-0.57	20.0	-0.2	20.0	15.6	4.42	4.526	
575.0	575.0	574.9	574.9	2.1	2.1	-0.57	20.0	-0.2	20.0	15.5	4.53	4.417	
600.0	600.0	599.9	599.9	2.1	2.1	-0.57	20.0	-0.2	20.0	15.4	4.64	4.312	
625.0	625.0	624.9	624.9	2.2	2.2	-0.57	20.0	-0.2	20.0	15.3	4.74	4.220	
650.0	650.0	649.9	649.9	2.2	2.2	-0.57	20.0	-0.2	20.0	15.2	4.84	4.131	
675.0	675.0	674.9	674.9	2.3	2.3	-0.57	20.0	-0.2	20.0	15.1	4.94	4.046	
700.0	700.0	699.9	699.9	2.3	2.3	-0.57	20.0	-0.2	20.0	15.0	5.04	3.965	
725.0	725.0	724.9	724.9	2.4	2.4	-0.57	20.0	-0.2	20.0	14.9	5.14	3.891	
750.0	750.0	749.9	749.9	2.4	2.4	-0.57	20.0	-0.2	20.0	14.8	5.24	3.820	
775.0	775.0	774.9	774.9	2.5	2.5	-0.57	20.0	-0.2	20.0	14.7	5.33	3.751	
800.0	800.0	799.9	799.9	2.5	2.5	-0.57	20.0	-0.2	20.0	14.6	5.43	3.685	
825.0	825.0	824.9	824.9	2.6	2.6	-0.57	20.0	-0.2	20.0	14.5	5.52	3.624	
850.0	850.0	849.9	849.9	2.6	2.6	-0.57	20.0	-0.2	20.0	14.4	5.61	3.566	
875.0	875.0	874.9	874.9	2.6	2.6	-0.57	20.0	-0.2	20.0	14.3	5.70	3.509	
900.0	900.0	899.9	899.9	2.7	2.7	-0.57	20.0	-0.2	20.0	14.2	5.79	3.453	
925.0	925.0	924.9	924.9	2.7	2.7	-0.57	20.0	-0.2	20.0	14.1	5.88	3.402	
950.0	950.0	949.9	949.9	2.8	2.8	-0.57	20.0	-0.2	20.0	14.0	5.97	3.352	
975.0	975.0	974.9	974.9	2.8	2.8	-0.57	20.0	-0.2	20.0	13.9	6.05	3.304	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	-0.57	20.0	-0.2	20.0	13.9	6.14	3.257	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	-0.57	20.0	-0.2	20.0	13.8	6.23	3.213	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	-0.57	20.0	-0.2	20.0	13.7	6.31	3.170	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	-0.57	20.0	-0.2	20.0	13.6	6.39	3.128	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	-0.57	20.0	-0.2	20.0	13.5	6.48	3.087	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	-0.57	20.0	-0.2	20.0	13.4	6.56	3.049	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	-0.57	20.0	-0.2	20.0	13.4	6.64	3.011	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	-0.57	20.0	-0.2	20.0	13.3	6.72	2.975	Normal Operations
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	-0.57	20.0	-0.2	20.0	13.2	6.81	2.939	Normal Operations
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	-0.57	20.0	-0.2	20.0	13.1	6.89	2.905	Normal Operations
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	-0.57	20.0	-0.2	20.0	13.0	6.96	2.872	Normal Operations

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	-0.57	20.0	-0.2	20.0	13.0	7.04	2.839	Normal Operations
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	-0.57	20.0	-0.2	20.0	12.9	7.12	2.808	Normal Operations
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	-0.57	20.0	-0.2	20.0	12.8	7.20	2.777	Normal Operations
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	-0.57	20.0	-0.2	20.0	12.7	7.28	2.748	Normal Operations
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	-0.57	20.0	-0.2	20.0	12.6	7.36	2.719	Normal Operations
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	-0.57	20.0	-0.2	20.0	12.6	7.43	2.690	Normal Operations
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	-0.57	20.0	-0.2	20.0	12.5	7.51	2.663	Normal Operations
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	-0.57	20.0	-0.2	20.0	12.4	7.59	2.636	Normal Operations
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	-0.57	20.0	-0.2	20.0	12.3	7.66	2.610	Normal Operations
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	-0.57	20.0	-0.2	20.0	12.3	7.74	2.584	Normal Operations
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	-0.57	20.0	-0.2	20.0	12.2	7.81	2.560	Normal Operations
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	-0.57	20.0	-0.2	20.0	12.1	7.89	2.536	Normal Operations
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	-0.57	20.0	-0.2	20.0	12.0	7.96	2.512	Normal Operations
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	-0.57	20.0	-0.2	20.0	12.0	8.04	2.489	Caution - Monitor Closely
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	-0.57	20.0	-0.2	20.0	11.9	8.11	2.466	Caution - Monitor Closely
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	-0.57	20.0	-0.2	20.0	11.8	8.18	2.444	Caution - Monitor Closely
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	-0.57	20.0	-0.2	20.0	11.7	8.26	2.422	Caution - Monitor Closely
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	-0.57	20.0	-0.2	20.0	11.7	8.33	2.401	Caution - Monitor Closely
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	-0.57	20.0	-0.2	20.0	11.6	8.40	2.380	Caution - Monitor Closely
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	-0.57	20.0	-0.2	20.0	11.5	8.47	2.360	Caution - Monitor Closely
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	-0.57	20.0	-0.2	20.0	11.5	8.55	2.340	Caution - Monitor Closely
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	-0.57	20.0	-0.2	20.0	11.4	8.62	2.321	Caution - Monitor Closely
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	-0.57	20.0	-0.2	20.0	11.3	8.69	2.302	Caution - Monitor Closely
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	-0.57	20.0	-0.2	20.0	11.2	8.76	2.283	Caution - Monitor Closely
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	-0.57	20.0	-0.2	20.0	11.2	8.83	2.264	Caution - Monitor Closely
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	-0.57	20.0	-0.2	20.0	11.1	8.90	2.246	Caution - Monitor Closely
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	-0.57	20.0	-0.2	20.0	11.0	8.97	2.229	Caution - Monitor Closely
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	-0.57	20.0	-0.2	20.0	11.0	9.04	2.211	Caution - Monitor Closely
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	-0.57	20.0	-0.2	20.0	10.9	9.11	2.194	Caution - Monitor Closely
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	-0.57	20.0	-0.2	20.0	10.8	9.18	2.178	Caution - Monitor Closely, CC
2,025.0	2,025.0	2,024.9	2,024.9	4.5	4.4	-0.45	20.0	-0.2	20.0	10.8	9.26	2.163	Caution - Monitor Closely, ES
2,050.0	2,050.0	2,049.8	2,049.8	4.5	4.5	-0.06	20.1	0.0	20.1	10.8	9.34	2.155	Caution - Monitor Closely
2,075.0	2,075.0	2,074.7	2,074.7	4.6	4.5	0.56	20.3	0.2	20.3	10.9	9.42	2.154	Caution - Monitor Closely, SF
2,100.0	2,100.0	2,099.7	2,099.7	4.6	4.5	1.43	20.5	0.5	20.5	11.0	9.49	2.160	Caution - Monitor Closely
2,125.0	2,125.0	2,124.6	2,124.6	4.7	4.6	2.51	20.8	0.9	20.8	11.2	9.57	2.174	Caution - Monitor Closely
2,150.0	2,150.0	2,149.6	2,149.6	4.7	4.6	3.79	21.1	1.4	21.2	11.5	9.65	2.195	Caution - Monitor Closely
2,175.0	2,175.0	2,174.5	2,174.5	4.7	4.6	5.25	21.5	2.0	21.6	11.9	9.72	2.224	Caution - Monitor Closely
2,200.0	2,200.0	2,199.4	2,199.4	4.8	4.7	6.85	22.0	2.6	22.2	12.4	9.80	2.262	Caution - Monitor Closely
2,225.0	2,225.0	2,224.3	2,224.3	4.8	4.7	8.58	22.5	3.4	22.8	12.9	9.87	2.309	Caution - Monitor Closely
2,250.0	2,250.0	2,249.3	2,249.2	4.8	4.8	10.40	23.1	4.2	23.5	13.6	9.94	2.365	Caution - Monitor Closely
2,275.0	2,275.0	2,274.1	2,274.0	4.9	4.8	12.28	23.8	5.2	24.3	14.3	10.01	2.432	Caution - Monitor Closely
2,300.0	2,300.0	2,299.0	2,298.9	4.9	4.9	14.20	24.5	6.2	25.3	15.2	10.07	2.508	Normal Operations
2,325.0	2,325.0	2,323.9	2,323.7	5.0	4.9	16.12	25.3	7.3	26.3	16.2	10.14	2.595	Normal Operations
2,350.0	2,350.0	2,348.8	2,348.6	5.0	4.9	18.03	26.1	8.5	27.5	17.3	10.21	2.691	Normal Operations
2,375.0	2,375.0	2,373.6	2,373.4	5.0	5.0	19.91	27.0	9.8	28.7	18.5	10.27	2.798	Normal Operations
2,400.0	2,400.0	2,398.5	2,398.1	5.1	5.0	21.74	27.9	11.1	30.1	19.8	10.34	2.915	Normal Operations
2,425.0	2,425.0	2,423.3	2,422.9	5.1	5.1	23.51	29.0	12.6	31.7	21.2	10.41	3.041	
2,450.0	2,450.0	2,448.1	2,447.6	5.1	5.1	25.21	30.0	14.1	33.3	22.8	10.48	3.177	
2,475.0	2,475.0	2,472.9	2,472.4	5.2	5.2	26.83	31.2	15.8	35.0	24.5	10.55	3.322	
2,500.0	2,500.0	2,497.7	2,497.0	5.2	5.2	28.37	32.4	17.5	36.9	26.3	10.62	3.477	
2,525.0	2,525.0	2,522.5	2,521.8	5.3	5.3	-53.01	33.6	19.3	38.8	28.1	10.71	3.625	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	2,550.0	2,547.4	2,546.6	5.3	5.3	-51.61	34.7	21.4	40.6	29.8	10.80	3.760	
2,575.0	2,575.0	2,572.3	2,571.4	5.3	5.4	-50.27	35.7	23.6	42.3	31.4	10.90	3.882	
2,600.0	2,600.0	2,597.2	2,596.1	5.4	5.5	-48.97	36.6	26.1	43.9	32.9	11.00	3.993	
2,625.0	2,625.0	2,622.1	2,620.9	5.4	5.5	-47.70	37.4	28.7	45.4	34.3	11.10	4.093	
2,650.0	2,649.9	2,647.0	2,645.6	5.4	5.6	-46.43	38.1	31.5	46.9	35.6	11.20	4.182	
2,675.0	2,674.9	2,671.9	2,670.3	5.5	5.6	-45.18	38.7	34.5	48.2	36.9	11.31	4.260	
2,700.0	2,699.8	2,696.7	2,694.9	5.5	5.7	-43.92	39.2	37.7	49.4	38.0	11.42	4.327	
2,725.0	2,724.8	2,721.6	2,719.6	5.5	5.7	-42.66	39.6	41.1	50.5	39.0	11.50	4.393	
2,750.0	2,749.7	2,746.6	2,744.3	5.6	5.8	-41.53	40.0	44.5	51.5	39.9	11.61	4.440	
2,775.0	2,774.6	2,771.6	2,769.0	5.6	5.9	-40.60	40.4	48.0	52.4	40.7	11.72	4.472	
2,800.0	2,799.5	2,796.5	2,793.8	5.7	5.9	-39.85	40.7	51.4	53.1	41.3	11.83	4.489	
2,825.0	2,824.3	2,821.5	2,818.5	5.7	6.0	-39.27	41.1	54.9	53.7	41.7	11.95	4.490	
2,850.0	2,849.1	2,846.5	2,843.3	5.7	6.0	-38.85	41.5	58.3	54.0	42.0	12.07	4.476	
2,875.0	2,873.9	2,871.5	2,868.0	5.8	6.1	-38.58	41.8	61.8	54.3	42.1	12.20	4.447	
2,900.0	2,898.7	2,896.5	2,892.8	5.9	6.2	-38.45	42.2	65.3	54.3	42.0	12.33	4.405	
2,925.0	2,923.4	2,921.5	2,917.5	5.9	6.2	-38.48	42.6	68.7	54.2	41.7	12.46	4.349	
2,950.0	2,948.2	2,946.5	2,942.3	6.0	6.3	-38.65	43.0	72.2	53.9	41.3	12.59	4.281	
2,975.0	2,972.8	2,971.5	2,967.0	6.1	6.4	-38.96	43.3	75.6	53.4	40.7	12.72	4.200	
3,000.0	2,997.5	2,996.5	2,991.8	6.1	6.5	-39.44	43.7	79.1	52.8	39.9	12.85	4.109	
3,025.0	3,022.1	3,021.5	3,016.5	6.2	6.6	-40.09	44.1	82.6	52.0	39.0	12.98	4.007	
3,050.0	3,046.6	3,046.4	3,041.2	6.3	6.6	-40.91	44.4	86.0	51.0	37.9	13.10	3.896	
3,075.0	3,071.1	3,071.4	3,066.0	6.4	6.7	-41.94	44.8	89.5	49.9	36.7	13.22	3.777	
3,100.0	3,095.6	3,096.3	3,090.6	6.5	6.8	-43.19	45.2	92.9	48.7	35.4	13.34	3.651	
3,125.0	3,120.1	3,121.3	3,115.4	6.5	6.9	-44.57	45.6	96.4	47.4	34.0	13.44	3.527	
3,150.0	3,144.5	3,146.2	3,140.1	6.6	7.0	-46.04	45.9	99.8	46.1	32.6	13.53	3.408	
3,175.0	3,169.0	3,171.2	3,164.7	6.7	7.0	-47.59	46.3	103.3	44.9	31.3	13.62	3.295	
3,200.0	3,193.4	3,196.1	3,189.4	6.8	7.1	-49.22	46.7	106.7	43.7	30.0	13.70	3.188	
3,225.0	3,217.9	3,221.0	3,214.1	6.8	7.2	-50.94	47.0	110.2	42.5	28.7	13.78	3.085	
3,250.0	3,242.3	3,246.0	3,238.8	6.9	7.3	-52.76	47.4	113.6	41.4	27.5	13.84	2.989	Normal Operations
3,275.0	3,266.8	3,270.9	3,263.5	7.0	7.4	-54.68	47.8	117.1	40.3	26.4	13.90	2.899	Normal Operations
3,300.0	3,291.3	3,295.9	3,288.2	7.1	7.5	-56.70	48.2	120.5	39.3	25.3	13.95	2.815	Normal Operations
3,325.0	3,315.7	3,320.8	3,312.9	7.1	7.6	-58.83	48.5	124.0	38.3	24.3	13.99	2.736	Normal Operations
3,350.0	3,340.2	3,345.7	3,337.6	7.2	7.7	-61.07	48.9	127.4	37.3	23.3	14.01	2.665	Normal Operations
3,375.0	3,364.6	3,370.7	3,362.3	7.3	7.8	-63.41	49.3	130.9	36.5	22.4	14.03	2.599	Normal Operations
3,400.0	3,389.1	3,395.6	3,387.0	7.4	7.8	-65.87	49.6	134.3	35.7	21.6	14.04	2.540	Normal Operations
3,425.0	3,413.5	3,420.6	3,411.7	7.5	7.9	-68.44	50.0	137.8	34.9	20.9	14.04	2.488	Caution - Monitor Closely
3,450.0	3,438.0	3,445.5	3,436.4	7.5	8.0	-71.10	50.4	141.2	34.3	20.2	14.04	2.441	Caution - Monitor Closely
3,475.0	3,462.4	3,470.4	3,461.1	7.6	8.1	-73.87	50.7	144.7	33.7	19.7	14.03	2.402	Caution - Monitor Closely
3,500.0	3,486.9	3,495.4	3,485.8	7.7	8.2	-76.73	51.1	148.1	33.2	19.2	14.01	2.368	Caution - Monitor Closely
3,525.0	3,511.3	3,520.3	3,510.5	7.8	8.3	-79.67	51.5	151.6	32.8	18.8	14.00	2.340	Caution - Monitor Closely
3,550.0	3,535.8	3,545.3	3,535.2	7.9	8.4	-82.67	51.9	155.0	32.4	18.4	13.99	2.318	Caution - Monitor Closely
3,575.0	3,560.2	3,570.2	3,559.9	8.0	8.5	-85.73	52.2	158.5	32.2	18.2	14.00	2.300	Caution - Monitor Closely
3,600.0	3,584.7	3,595.1	3,584.6	8.1	8.6	-88.83	52.6	161.9	32.0	18.0	14.01	2.288	Caution - Monitor Closely
3,625.0	3,609.2	3,620.1	3,609.3	8.1	8.7	-91.94	53.0	165.4	32.0	18.0	14.04	2.279	Caution - Monitor Closely
3,626.1	3,610.3	3,621.2	3,610.4	8.1	8.7	-92.08	53.0	165.5	32.0	18.0	14.04	2.279	Caution - Monitor Closely
3,650.0	3,633.6	3,645.0	3,634.0	8.2	8.8	-95.06	53.3	168.8	32.0	18.0	14.09	2.274	Caution - Monitor Closely
3,675.0	3,658.1	3,669.9	3,658.7	8.3	8.9	-98.15	53.7	172.3	32.2	18.0	14.17	2.272	Caution - Monitor Closely
3,700.0	3,682.5	3,694.9	3,683.4	8.4	9.0	-101.21	54.1	175.7	32.4	18.1	14.27	2.272	Caution - Monitor Closely
3,725.0	3,707.0	3,719.8	3,708.1	8.5	9.1	-104.22	54.5	179.2	32.7	18.3	14.39	2.275	Caution - Monitor Closely
3,750.0	3,731.4	3,744.8	3,732.8	8.6	9.2	-107.17	54.8	182.6	33.2	18.6	14.55	2.279	Caution - Monitor Closely
3,775.0	3,755.9	3,769.7	3,757.5	8.7	9.3	-110.03	55.2	186.1	33.7	18.9	14.72	2.286	Caution - Monitor Closely

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	3,780.3	3,794.6	3,782.2	8.8	9.4	-112.80	55.6	189.5	34.2	19.3	14.92	2.294	Caution - Monitor Closely
3,825.0	3,804.8	3,819.6	3,806.9	8.9	9.5	-115.48	55.9	193.0	34.9	19.7	15.14	2.304	Caution - Monitor Closely
3,850.0	3,829.2	3,844.5	3,831.5	9.0	9.6	-118.05	56.3	196.4	35.6	20.2	15.38	2.316	Caution - Monitor Closely
3,875.0	3,853.7	3,869.5	3,856.2	9.1	9.7	-120.51	56.7	199.9	36.4	20.8	15.63	2.330	Caution - Monitor Closely
3,900.0	3,878.1	3,894.4	3,880.9	9.2	9.8	-122.86	57.0	203.3	37.3	21.4	15.90	2.345	Caution - Monitor Closely
3,925.0	3,902.6	3,919.3	3,905.6	9.3	9.9	-125.11	57.4	206.8	38.2	22.0	16.17	2.363	Caution - Monitor Closely
3,950.0	3,927.1	3,944.3	3,930.3	9.4	10.0	-127.24	57.8	210.2	39.2	22.7	16.46	2.382	Caution - Monitor Closely
3,975.0	3,951.5	3,969.2	3,955.0	9.5	10.0	-129.27	58.2	213.7	40.2	23.5	16.74	2.403	Caution - Monitor Closely
4,000.0	3,976.0	3,994.2	3,979.7	9.6	10.1	-131.20	58.5	217.2	41.3	24.3	17.03	2.425	Caution - Monitor Closely
4,025.0	4,000.4	4,019.1	4,004.4	9.7	10.2	-133.02	58.9	220.6	42.4	25.1	17.33	2.449	Caution - Monitor Closely
4,050.0	4,024.9	4,044.0	4,029.1	9.8	10.3	-134.75	59.3	224.1	43.6	26.0	17.62	2.474	Caution - Monitor Closely
4,075.0	4,049.3	4,069.0	4,053.8	9.9	10.4	-136.39	59.6	227.5	44.8	26.9	17.92	2.501	Normal Operations
4,100.0	4,073.8	4,093.9	4,078.5	10.0	10.5	-137.94	60.0	231.0	46.0	27.8	18.21	2.529	Normal Operations
4,125.0	4,098.2	4,118.8	4,103.2	10.1	10.6	-139.41	60.4	234.4	47.3	28.8	18.50	2.558	Normal Operations
4,150.0	4,122.7	4,143.8	4,127.9	10.2	10.7	-140.80	60.8	237.9	48.6	29.8	18.79	2.588	Normal Operations
4,175.0	4,147.1	4,168.7	4,152.6	10.3	10.8	-142.12	61.1	241.3	49.9	30.9	19.07	2.618	Normal Operations
4,200.0	4,171.6	4,193.7	4,177.3	10.4	10.9	-143.37	61.5	244.8	51.3	31.9	19.36	2.650	Normal Operations
4,225.0	4,196.0	4,218.6	4,202.0	10.5	11.0	-144.55	61.9	248.2	52.7	33.0	19.64	2.682	Normal Operations
4,250.0	4,220.5	4,243.5	4,226.7	10.6	11.1	-145.68	62.2	251.7	54.1	34.1	19.92	2.714	Normal Operations
4,275.0	4,244.9	4,268.5	4,251.4	10.7	11.2	-146.74	62.6	255.1	55.5	35.3	20.20	2.747	Normal Operations
4,300.0	4,269.4	4,293.4	4,276.1	10.8	11.3	-147.76	63.0	258.6	56.9	36.4	20.47	2.781	Normal Operations
4,325.0	4,293.9	4,318.4	4,300.8	10.9	11.4	-148.72	63.3	262.0	58.4	37.6	20.73	2.815	Normal Operations
4,350.0	4,318.3	4,343.3	4,325.5	11.0	11.5	-149.64	63.7	265.5	59.8	38.8	21.00	2.850	Normal Operations
4,375.0	4,342.8	4,368.2	4,350.1	11.1	11.6	-150.51	64.1	268.9	61.3	40.1	21.25	2.885	Normal Operations
4,400.0	4,367.2	4,392.9	4,374.6	11.2	11.7	-151.36	64.4	272.3	62.9	41.4	21.51	2.923	Normal Operations
4,425.0	4,391.7	4,417.6	4,399.1	11.3	11.8	-152.22	64.8	275.5	64.5	42.8	21.77	2.964	Normal Operations
4,450.0	4,416.1	4,442.3	4,423.5	11.4	11.9	-153.07	65.1	278.7	66.3	44.3	22.04	3.009	
4,475.0	4,440.6	4,466.9	4,448.0	11.5	12.0	-153.91	65.5	281.7	68.2	45.9	22.30	3.058	
4,500.0	4,465.0	4,491.5	4,472.4	11.6	12.1	-154.74	65.8	284.6	70.2	47.6	22.57	3.110	
4,525.0	4,489.5	4,516.1	4,496.9	11.7	12.2	-155.56	66.1	287.4	72.3	49.5	22.83	3.167	
4,550.0	4,513.9	4,540.7	4,521.3	11.8	12.3	-156.37	66.4	290.2	74.5	51.4	23.09	3.227	
4,575.0	4,538.4	4,565.3	4,545.8	11.9	12.4	-157.15	66.6	292.8	76.8	53.5	23.35	3.291	
4,600.0	4,562.8	4,589.8	4,570.2	12.0	12.5	-157.92	66.9	295.3	79.3	55.7	23.60	3.359	
4,625.0	4,587.3	4,614.4	4,594.6	12.1	12.6	-158.67	67.2	297.7	81.9	58.0	23.86	3.431	
4,650.0	4,611.8	4,638.9	4,619.0	12.2	12.7	-159.39	67.4	299.9	84.5	60.4	24.11	3.506	
4,675.0	4,636.2	4,663.3	4,643.3	12.3	12.8	-160.10	67.7	302.1	87.3	63.0	24.35	3.585	
4,700.0	4,660.7	4,687.8	4,667.7	12.4	12.9	-160.78	67.9	304.2	90.2	65.6	24.60	3.668	
4,725.0	4,685.1	4,712.2	4,692.0	12.6	13.0	-161.43	68.1	306.2	93.2	68.4	24.84	3.754	
4,750.0	4,709.6	4,736.6	4,716.4	12.7	13.0	-162.07	68.3	308.0	96.4	71.3	25.07	3.843	
4,775.0	4,734.0	4,761.0	4,740.7	12.8	13.1	-162.68	68.5	309.8	99.6	74.3	25.31	3.936	
4,800.0	4,758.5	4,785.3	4,765.0	12.9	13.2	-163.27	68.7	311.5	103.0	77.4	25.54	4.031	
4,825.0	4,782.9	4,809.6	4,789.2	13.0	13.3	-163.83	68.8	313.0	106.4	80.7	25.76	4.131	
4,850.0	4,807.4	4,833.9	4,813.4	13.1	13.4	-164.37	69.0	314.5	110.0	84.0	25.99	4.233	
4,875.0	4,831.8	4,858.2	4,837.7	13.2	13.5	-164.90	69.1	315.8	113.7	87.5	26.20	4.338	
4,900.0	4,856.3	4,882.4	4,861.8	13.3	13.6	-165.40	69.3	317.0	117.5	91.1	26.42	4.447	
4,925.0	4,880.7	4,906.5	4,886.0	13.4	13.6	-165.88	69.4	318.2	121.4	94.8	26.63	4.558	
4,950.0	4,905.2	4,930.7	4,910.1	13.5	13.7	-166.34	69.5	319.2	125.4	98.6	26.84	4.673	
4,975.0	4,929.7	4,954.8	4,934.2	13.6	13.8	-166.78	69.6	320.1	129.5	102.5	27.04	4.790	
5,000.0	4,954.1	4,978.9	4,958.3	13.8	13.9	-167.20	69.7	321.0	133.8	106.5	27.24	4.910	
5,025.0	4,978.6	5,002.9	4,982.3	13.9	13.9	-167.60	69.8	321.7	138.1	110.7	27.44	5.033	
5,050.0	5,003.0	5,026.9	5,006.3	14.0	14.0	-167.99	69.8	322.3	142.6	114.9	27.63	5.160	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	5,027.5	5,050.9	5,030.3	14.1	14.1	-168.36	69.9	322.9	147.1	119.3	27.81	5.289	
5,100.0	5,051.9	5,074.8	5,054.2	14.2	14.1	-168.72	69.9	323.3	151.8	123.8	28.00	5.421	
5,125.0	5,076.4	5,100.0	5,079.4	14.3	14.2	-169.08	70.0	323.6	156.6	128.3	28.21	5.550	
5,150.0	5,100.8	5,122.6	5,101.9	14.4	14.2	-169.39	70.0	323.8	161.4	133.1	28.33	5.698	
5,175.0	5,125.3	5,146.4	5,125.7	14.5	14.3	-169.70	70.0	324.0	166.4	137.9	28.48	5.843	
5,200.0	5,149.7	5,170.3	5,149.6	14.6	14.3	-170.00	70.0	324.0	171.5	142.9	28.62	5.992	
5,225.0	5,174.2	5,194.7	5,174.1	14.7	14.3	-170.29	70.0	324.0	176.6	147.9	28.75	6.143	
5,250.0	5,198.6	5,219.2	5,198.5	14.9	14.3	-170.57	70.0	324.0	181.8	152.9	28.89	6.291	
5,275.0	5,223.1	5,243.6	5,223.0	15.0	14.3	-170.83	70.0	324.0	186.9	157.9	29.03	6.438	
5,300.0	5,247.6	5,268.1	5,247.5	15.1	14.3	-171.08	70.0	324.0	192.0	162.9	29.17	6.584	
5,325.0	5,272.0	5,292.5	5,271.9	15.2	14.4	-171.31	70.0	324.0	197.2	167.9	29.30	6.728	
5,350.0	5,296.5	5,317.0	5,296.4	15.3	14.4	-171.53	70.0	324.0	202.3	172.9	29.44	6.871	
5,375.0	5,320.9	5,341.5	5,320.8	15.4	14.4	-171.75	70.0	324.0	207.4	177.9	29.58	7.013	
5,400.0	5,345.4	5,365.9	5,345.3	15.5	14.4	-171.95	70.0	324.0	212.6	182.9	29.72	7.154	
5,425.0	5,369.8	5,390.4	5,369.7	15.6	14.4	-172.14	70.0	324.0	217.7	187.9	29.85	7.294	
5,450.0	5,394.3	5,414.8	5,394.2	15.7	14.4	-172.32	70.0	324.0	222.9	192.9	29.99	7.433	
5,475.0	5,418.7	5,439.3	5,418.6	15.9	14.4	-172.50	70.0	324.0	228.0	197.9	30.12	7.570	
5,500.0	5,443.2	5,463.7	5,443.1	16.0	14.4	-172.66	70.0	324.0	233.2	202.9	30.26	7.706	
5,525.0	5,467.6	5,488.2	5,467.5	16.1	14.5	-172.82	70.0	324.0	238.4	208.0	30.40	7.842	
5,550.0	5,492.1	5,512.6	5,492.0	16.2	14.5	-172.97	70.0	324.0	243.5	213.0	30.53	7.976	
5,575.0	5,516.5	5,537.1	5,516.4	16.3	14.5	-173.12	70.0	324.0	248.7	218.0	30.67	8.108	
5,600.0	5,541.0	5,561.5	5,540.9	16.4	14.5	-173.26	70.0	324.0	253.8	223.0	30.81	8.240	
5,625.0	5,565.5	5,586.0	5,565.4	16.5	14.5	-173.40	70.0	324.0	259.0	228.1	30.94	8.371	
5,650.0	5,589.9	5,610.4	5,589.8	16.6	14.5	-173.53	70.0	324.0	264.2	233.1	31.08	8.500	
5,675.0	5,614.4	5,634.9	5,614.3	16.8	14.5	-173.65	70.0	324.0	269.3	238.1	31.21	8.629	
5,700.0	5,638.8	5,659.4	5,638.7	16.9	14.6	-173.77	70.0	324.0	274.5	243.2	31.35	8.756	
5,725.0	5,663.3	5,683.8	5,663.2	17.0	14.6	-173.89	70.0	324.0	279.7	248.2	31.49	8.882	
5,750.0	5,687.7	5,708.3	5,687.6	17.1	14.6	-174.00	70.0	324.0	284.8	253.2	31.62	9.007	
5,775.0	5,712.2	5,732.7	5,712.1	17.2	14.6	-174.10	70.0	324.0	290.0	258.3	31.76	9.131	
5,800.0	5,736.6	5,757.2	5,736.5	17.3	14.6	-174.21	70.0	324.0	295.2	263.3	31.90	9.254	
5,825.0	5,761.1	5,781.6	5,761.0	17.4	14.6	-174.31	70.0	324.0	300.4	268.3	32.03	9.376	
5,850.0	5,785.5	5,806.1	5,785.4	17.5	14.6	-174.41	70.0	324.0	305.5	273.4	32.17	9.497	
5,875.0	5,810.0	5,830.5	5,809.9	17.7	14.7	-174.50	70.0	324.0	310.7	278.4	32.31	9.617	
5,900.0	5,834.4	5,855.0	5,834.3	17.8	14.7	-174.59	70.0	324.0	315.9	283.4	32.45	9.735	
5,925.0	5,858.9	5,879.4	5,858.8	17.9	14.7	-174.68	70.0	324.0	321.1	288.5	32.58	9.853	
5,950.0	5,883.3	5,903.9	5,883.2	18.0	14.7	-174.76	70.0	324.0	326.2	293.5	32.72	9.970	
5,975.0	5,907.8	5,928.3	5,907.7	18.1	14.7	-174.84	70.0	324.0	331.4	298.6	32.86	10.085	
6,000.0	5,932.3	5,952.8	5,932.2	18.2	14.7	-174.92	70.0	324.0	336.6	303.6	33.00	10.200	
6,025.0	5,956.7	5,977.3	5,956.6	18.3	14.7	-175.00	70.0	324.0	341.8	308.6	33.14	10.314	
6,050.0	5,981.2	6,001.7	5,981.1	18.5	14.7	-175.07	70.0	324.0	346.9	313.7	33.28	10.426	
6,075.0	6,005.6	6,026.2	6,005.5	18.6	14.8	-175.15	70.0	324.0	352.1	318.7	33.42	10.538	
6,100.0	6,030.1	6,050.6	6,030.0	18.7	14.8	-175.22	70.0	324.0	357.3	323.8	33.55	10.649	
6,125.0	6,054.5	6,075.1	6,054.4	18.8	14.8	-175.29	70.0	324.0	362.5	328.8	33.69	10.758	
6,150.0	6,079.0	6,099.5	6,078.9	18.9	14.8	-175.35	70.0	324.0	367.7	333.8	33.83	10.867	
6,175.0	6,103.4	6,124.0	6,103.3	19.0	14.8	-175.42	70.0	324.0	372.8	338.9	33.97	10.975	
6,200.0	6,127.9	6,148.4	6,127.8	19.1	14.8	-175.48	70.0	324.0	378.0	343.9	34.11	11.082	
6,225.0	6,152.3	6,172.9	6,152.2	19.3	14.8	-175.54	70.0	324.0	383.2	349.0	34.25	11.188	
6,250.0	6,176.8	6,197.3	6,176.7	19.4	14.9	-175.60	70.0	324.0	388.4	354.0	34.39	11.293	
6,275.0	6,201.2	6,221.8	6,201.1	19.5	14.9	-175.66	70.0	324.0	393.6	359.0	34.53	11.397	
6,300.0	6,225.7	6,246.2	6,225.6	19.6	14.9	-175.72	70.0	324.0	398.8	364.1	34.67	11.500	
6,325.0	6,250.2	6,270.7	6,250.1	19.7	14.9	-175.77	70.0	324.0	403.9	369.1	34.81	11.604	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
6,350.0	6,274.6	6,295.2	6,274.5	19.8	14.9	-175.82	70.0	324.0	409.1	374.2	34.95	11.707	
6,367.7	6,291.9	6,312.4	6,291.8	19.9	14.9	-175.86	70.0	324.0	412.8	377.7	35.05	11.779	
6,375.0	6,299.1	6,319.6	6,299.0	19.9	14.9	-175.88	70.0	324.0	414.3	379.2	35.08	11.809	
6,400.0	6,323.5	6,344.1	6,323.4	20.0	14.9	-175.93	70.0	324.0	419.4	384.1	35.22	11.908	
6,425.0	6,348.1	6,368.6	6,348.0	20.2	15.0	-175.99	70.0	324.0	424.3	388.9	35.36	11.998	
6,450.0	6,372.6	6,393.1	6,372.5	20.3	15.0	-176.04	70.0	324.0	429.0	393.5	35.50	12.084	
6,475.0	6,397.2	6,417.7	6,397.1	20.4	15.0	-176.08	70.0	324.0	433.6	397.9	35.64	12.164	
6,500.0	6,421.8	6,442.3	6,421.7	20.5	15.0	-176.13	70.0	324.0	438.0	402.2	35.79	12.240	
6,525.0	6,446.4	6,467.0	6,446.3	20.6	15.0	-176.17	70.0	324.0	442.3	406.3	35.92	12.311	
6,550.0	6,471.1	6,491.6	6,471.0	20.7	15.0	-176.21	70.0	324.0	446.4	410.3	36.06	12.378	
6,575.0	6,495.8	6,516.3	6,495.7	20.8	15.0	-176.24	70.0	324.0	450.3	414.1	36.20	12.439	
6,600.0	6,520.5	6,541.0	6,520.4	20.9	15.1	-176.28	70.0	324.0	454.1	417.7	36.34	12.495	
6,625.0	6,545.2	6,565.8	6,545.1	21.0	15.1	-176.31	70.0	324.0	457.7	421.2	36.47	12.549	
6,650.0	6,570.0	6,590.5	6,569.9	21.2	15.1	-176.34	70.0	324.0	461.1	424.5	36.61	12.597	
6,675.0	6,594.8	6,615.3	6,594.7	21.3	15.1	-176.37	70.0	324.0	464.4	427.7	36.74	12.640	
6,700.0	6,619.6	6,640.1	6,619.5	21.4	15.1	-176.40	70.0	324.0	467.5	430.7	36.88	12.679	
6,725.0	6,644.4	6,664.9	6,644.3	21.5	15.1	-176.42	70.0	324.0	470.5	433.5	37.00	12.715	
6,750.0	6,669.2	6,689.8	6,669.1	21.6	15.1	-176.45	70.0	324.0	473.3	436.2	37.13	12.746	
6,775.0	6,694.1	6,714.6	6,694.0	21.7	15.2	-176.47	70.0	324.0	476.0	438.7	37.26	12.773	
6,800.0	6,719.0	6,739.5	6,718.9	21.8	15.2	-176.49	70.0	324.0	478.4	441.0	37.39	12.795	
6,825.0	6,743.8	6,764.4	6,743.7	21.9	15.2	-176.51	70.0	324.0	480.8	443.2	37.51	12.815	
6,850.0	6,768.8	6,789.3	6,768.7	22.0	15.2	-176.53	70.0	324.0	482.9	445.3	37.64	12.831	
6,875.0	6,793.7	6,814.2	6,793.6	22.1	15.2	-176.54	70.0	324.0	484.9	447.1	37.76	12.842	
6,900.0	6,818.6	6,839.1	6,818.5	22.2	15.2	-176.56	70.0	324.0	486.7	448.8	37.88	12.848	
6,925.0	6,843.6	6,864.1	6,843.5	22.3	15.2	-176.57	70.0	324.0	488.4	450.4	38.00	12.854	
6,950.0	6,868.5	6,889.0	6,868.4	22.3	15.3	-176.58	70.0	324.0	489.9	451.8	38.11	12.855	
6,975.0	6,893.5	6,914.0	6,893.4	22.4	15.3	-176.59	70.0	324.0	491.2	453.0	38.22	12.851	
7,000.0	6,918.4	6,939.0	6,918.3	22.5	15.3	-176.60	70.0	324.0	492.4	454.1	38.34	12.844	
7,025.0	6,943.4	6,964.0	6,943.3	22.6	15.3	-176.61	70.0	324.0	493.4	455.0	38.44	12.837	
7,050.0	6,968.4	6,988.9	6,968.3	22.7	15.3	-176.62	70.0	324.0	494.3	455.7	38.54	12.825	
7,075.0	6,993.4	7,013.9	6,993.3	22.8	15.3	-176.62	70.0	324.0	495.0	456.3	38.64	12.810	
7,100.0	7,018.4	7,038.9	7,018.3	22.8	15.3	-176.63	70.0	324.0	495.5	456.7	38.74	12.790	
7,125.0	7,043.4	7,063.9	7,043.3	22.9	15.4	-176.63	70.0	324.0	495.8	457.0	38.79	12.782	
7,150.0	7,068.4	7,088.9	7,068.3	22.9	15.4	-176.63	70.0	324.0	496.0	457.2	38.84	12.770	
7,167.6	7,086.0	7,106.5	7,085.9	22.9	15.4	-93.78	70.0	324.0	496.1	457.2	38.88	12.759	
7,175.0	7,093.4	7,113.9	7,093.3	22.9	15.4	-93.78	70.0	324.0	496.1	457.2	38.88	12.758	
7,200.0	7,118.4	7,138.9	7,118.3	22.9	15.4	-93.78	70.0	324.0	496.1	457.2	38.90	12.753	
7,225.0	7,143.4	7,163.9	7,143.3	22.9	15.4	-93.78	70.0	324.0	496.1	457.2	38.92	12.746	
7,250.0	7,168.4	7,188.9	7,168.3	22.9	15.4	-93.78	70.0	324.0	496.1	457.1	38.94	12.739	
7,275.0	7,193.4	7,213.9	7,193.3	23.0	15.4	-93.78	70.0	324.0	496.1	457.1	38.96	12.732	
7,300.0	7,218.4	7,238.9	7,218.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.1	38.99	12.725	
7,325.0	7,243.4	7,263.9	7,243.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.1	39.01	12.718	
7,350.0	7,268.4	7,288.9	7,268.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.0	39.03	12.711	
7,375.0	7,293.4	7,313.9	7,293.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.0	39.05	12.703	
7,400.0	7,318.4	7,338.9	7,318.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.0	39.07	12.696	
7,425.0	7,343.4	7,363.9	7,343.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.0	39.09	12.689	
7,450.0	7,368.4	7,388.9	7,368.3	23.0	15.5	-93.78	70.0	324.0	496.1	457.0	39.12	12.682	
7,475.0	7,393.4	7,413.9	7,393.3	23.0	15.6	-93.78	70.0	324.0	496.1	456.9	39.14	12.675	
7,500.0	7,418.4	7,438.9	7,418.3	23.0	15.6	-93.78	70.0	324.0	496.1	456.9	39.16	12.668	
7,525.0	7,443.4	7,463.9	7,443.3	23.0	15.6	-93.78	70.0	324.0	496.1	456.9	39.18	12.661	
7,550.0	7,468.4	7,488.9	7,468.3	23.1	15.6	-93.78	70.0	324.0	496.1	456.9	39.20	12.654	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	7,493.4	7,513.9	7,493.3	23.1	15.6	-93.78	70.0	324.0	496.1	456.9	39.23	12.647	
7,600.0	7,518.4	7,538.9	7,518.3	23.1	15.6	-93.78	70.0	324.0	496.1	456.8	39.25	12.640	
7,625.0	7,543.4	7,563.9	7,543.3	23.1	15.6	-93.78	70.0	324.0	496.1	456.8	39.27	12.632	
7,650.0	7,568.4	7,588.9	7,568.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.8	39.29	12.625	
7,675.0	7,593.4	7,613.9	7,593.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.8	39.31	12.618	
7,700.0	7,618.4	7,638.9	7,618.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.7	39.34	12.611	
7,725.0	7,643.4	7,663.9	7,643.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.7	39.36	12.604	
7,750.0	7,668.4	7,688.9	7,668.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.7	39.38	12.597	
7,775.0	7,693.4	7,713.9	7,693.3	23.1	15.7	-93.78	70.0	324.0	496.1	456.7	39.40	12.590	
7,800.0	7,718.4	7,738.9	7,718.3	23.1	15.8	-93.78	70.0	324.0	496.1	456.7	39.43	12.583	
7,825.0	7,743.4	7,763.9	7,743.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.6	39.45	12.576	
7,850.0	7,768.4	7,788.9	7,768.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.6	39.47	12.568	
7,875.0	7,793.4	7,813.9	7,793.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.6	39.49	12.561	
7,900.0	7,818.4	7,838.9	7,818.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.6	39.51	12.554	
7,925.0	7,843.4	7,863.9	7,843.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.5	39.54	12.547	
7,950.0	7,868.4	7,888.9	7,868.3	23.2	15.8	-93.78	70.0	324.0	496.1	456.5	39.56	12.540	
7,975.0	7,893.4	7,913.9	7,893.3	23.2	15.9	-93.78	70.0	324.0	496.1	456.5	39.58	12.533	
8,000.0	7,918.4	7,938.9	7,918.3	23.2	15.9	-93.78	70.0	324.0	496.1	456.5	39.60	12.526	
8,025.0	7,943.4	7,963.9	7,943.3	23.2	15.9	-93.78	70.0	324.0	496.1	456.5	39.63	12.519	
8,050.0	7,968.4	7,988.9	7,968.3	23.2	15.9	-93.78	70.0	324.0	496.1	456.4	39.65	12.511	
8,075.0	7,993.4	8,013.9	7,993.3	23.2	15.9	-93.78	70.0	324.0	496.1	456.4	39.67	12.504	
8,100.0	8,018.4	8,038.9	8,018.3	23.3	15.9	-93.78	70.0	324.0	496.1	456.4	39.70	12.497	
8,125.0	8,043.4	8,063.9	8,043.3	23.3	15.9	-93.78	70.0	324.0	496.1	456.4	39.72	12.490	
8,150.0	8,068.4	8,088.9	8,068.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.3	39.74	12.483	
8,175.0	8,093.4	8,113.9	8,093.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.3	39.76	12.476	
8,200.0	8,118.4	8,138.9	8,118.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.3	39.79	12.469	
8,225.0	8,143.4	8,163.9	8,143.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.3	39.81	12.462	
8,250.0	8,168.4	8,188.9	8,168.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.2	39.83	12.454	
8,275.0	8,193.4	8,213.9	8,193.3	23.3	16.0	-93.78	70.0	324.0	496.1	456.2	39.85	12.447	
8,300.0	8,218.4	8,238.9	8,218.3	23.3	16.1	-93.78	70.0	324.0	496.1	456.2	39.88	12.440	
8,325.0	8,243.4	8,263.9	8,243.3	23.3	16.1	-93.78	70.0	324.0	496.1	456.2	39.90	12.433	
8,350.0	8,268.4	8,288.9	8,268.3	23.3	16.1	-93.78	70.0	324.0	496.1	456.2	39.92	12.426	
8,375.0	8,293.4	8,313.9	8,293.3	23.4	16.1	-93.78	70.0	324.0	496.1	456.1	39.95	12.419	
8,400.0	8,318.4	8,338.9	8,318.3	23.4	16.1	-93.78	70.0	324.0	496.1	456.1	39.97	12.412	
8,425.0	8,343.4	8,363.9	8,343.3	23.4	16.1	-93.78	70.0	324.0	496.1	456.1	39.99	12.404	
8,450.0	8,368.4	8,388.9	8,368.3	23.4	16.1	-93.78	70.0	324.0	496.1	456.1	40.01	12.397	
8,475.0	8,393.4	8,413.9	8,393.3	23.4	16.2	-93.78	70.0	324.0	496.1	456.0	40.04	12.390	
8,500.0	8,418.4	8,438.9	8,418.3	23.4	16.2	-93.78	70.0	324.0	496.1	456.0	40.06	12.383	
8,525.0	8,443.4	8,463.9	8,443.3	23.4	16.2	-93.78	70.0	324.0	496.1	456.0	40.08	12.376	
8,550.0	8,468.4	8,488.9	8,468.3	23.4	16.2	-93.78	70.0	324.0	496.1	456.0	40.11	12.369	
8,575.0	8,493.4	8,513.9	8,493.3	23.4	16.2	-93.78	70.0	324.0	496.1	455.9	40.13	12.362	
8,600.0	8,518.4	8,538.9	8,518.3	23.4	16.2	-93.78	70.0	324.0	496.1	455.9	40.15	12.355	
8,625.0	8,543.4	8,563.9	8,543.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.9	40.18	12.347	
8,650.0	8,568.4	8,588.9	8,568.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.9	40.20	12.340	
8,675.0	8,593.4	8,613.9	8,593.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.9	40.22	12.333	
8,700.0	8,618.4	8,638.9	8,618.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.8	40.25	12.326	
8,725.0	8,643.4	8,663.9	8,643.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.8	40.27	12.319	
8,750.0	8,668.4	8,688.9	8,668.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.8	40.29	12.312	
8,775.0	8,693.4	8,713.9	8,693.3	23.5	16.3	-93.78	70.0	324.0	496.1	455.8	40.32	12.305	
8,800.0	8,718.4	8,738.9	8,718.3	23.5	16.4	-93.78	70.0	324.0	496.1	455.7	40.34	12.297	
8,825.0	8,743.4	8,763.9	8,743.3	23.5	16.4	-93.78	70.0	324.0	496.1	455.7	40.36	12.290	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	8,768.4	8,788.9	8,768.3	23.5	16.4	-93.78	70.0	324.0	496.1	455.7	40.39	12.283	
8,875.0	8,793.4	8,813.9	8,793.3	23.5	16.4	-93.78	70.0	324.0	496.1	455.7	40.41	12.276	
8,900.0	8,818.4	8,838.9	8,818.3	23.6	16.4	-93.78	70.0	324.0	496.1	455.6	40.43	12.269	
8,925.0	8,843.4	8,863.9	8,843.3	23.6	16.4	-93.78	70.0	324.0	496.1	455.6	40.46	12.262	
8,950.0	8,868.4	8,888.9	8,868.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.6	40.48	12.255	
8,975.0	8,893.4	8,913.9	8,893.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.6	40.50	12.248	
9,000.0	8,918.4	8,938.9	8,918.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.6	40.53	12.240	
9,025.0	8,943.4	8,963.9	8,943.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.5	40.55	12.233	
9,050.0	8,968.4	8,988.9	8,968.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.5	40.58	12.226	
9,075.0	8,993.4	9,013.9	8,993.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.5	40.60	12.219	
9,100.0	9,018.4	9,038.9	9,018.3	23.6	16.5	-93.78	70.0	324.0	496.1	455.5	40.62	12.212	
9,125.0	9,043.4	9,063.9	9,043.3	23.6	16.6	-93.78	70.0	324.0	496.1	455.4	40.65	12.205	
9,150.0	9,068.4	9,088.9	9,068.3	23.7	16.6	-93.78	70.0	324.0	496.1	455.4	40.67	12.198	
9,175.0	9,093.4	9,113.9	9,093.3	23.7	16.6	-93.78	70.0	324.0	496.1	455.4	40.69	12.190	
9,200.0	9,118.4	9,138.9	9,118.3	23.7	16.6	-93.78	70.0	324.0	496.1	455.4	40.72	12.183	
9,225.0	9,143.4	9,163.9	9,143.3	23.7	16.6	-93.78	70.0	324.0	496.1	455.3	40.74	12.176	
9,250.0	9,168.4	9,188.9	9,168.3	23.7	16.6	-93.78	70.0	324.0	496.1	455.3	40.77	12.169	
9,275.0	9,193.4	9,213.9	9,193.3	23.7	16.7	-93.78	70.0	324.0	496.1	455.3	40.79	12.162	
9,300.0	9,218.4	9,238.9	9,218.3	23.7	16.7	-93.78	70.0	324.0	496.1	455.3	40.81	12.155	
9,325.0	9,243.4	9,263.9	9,243.3	23.7	16.7	-93.78	70.0	324.0	496.1	455.2	40.84	12.148	
9,350.0	9,268.4	9,288.9	9,268.3	23.7	16.7	-93.78	70.0	324.0	496.1	455.2	40.86	12.141	
9,375.0	9,293.4	9,313.9	9,293.3	23.7	16.7	-93.78	70.0	324.0	496.1	455.2	40.89	12.133	
9,400.0	9,318.4	9,338.9	9,318.3	23.8	16.7	-93.78	70.0	324.0	496.1	455.2	40.91	12.126	
9,425.0	9,343.4	9,363.9	9,343.3	23.8	16.7	-93.78	70.0	324.0	496.1	455.1	40.93	12.119	
9,450.0	9,368.4	9,388.9	9,368.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.1	40.96	12.112	
9,475.0	9,393.4	9,413.9	9,393.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.1	40.98	12.105	
9,500.0	9,418.4	9,438.9	9,418.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.1	41.01	12.098	
9,525.0	9,443.4	9,463.9	9,443.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.0	41.03	12.091	
9,550.0	9,468.4	9,488.9	9,468.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.0	41.05	12.084	
9,575.0	9,493.4	9,513.9	9,493.3	23.8	16.8	-93.78	70.0	324.0	496.1	455.0	41.08	12.076	
9,600.0	9,518.4	9,538.9	9,518.3	23.8	16.9	-93.78	70.0	324.0	496.1	455.0	41.10	12.069	
9,625.0	9,543.4	9,563.9	9,543.3	23.8	16.9	-93.78	70.0	324.0	496.1	455.0	41.13	12.062	
9,650.0	9,568.4	9,588.9	9,568.3	23.9	16.9	-93.78	70.0	324.0	496.1	454.9	41.15	12.055	
9,675.0	9,593.4	9,613.9	9,593.3	23.9	16.9	-93.78	70.0	324.0	496.1	454.9	41.18	12.048	
9,700.0	9,618.4	9,638.9	9,618.3	23.9	16.9	-93.78	70.0	324.0	496.1	454.9	41.20	12.041	
9,725.0	9,643.4	9,663.9	9,643.3	23.9	16.9	-93.78	70.0	324.0	496.1	454.9	41.22	12.034	
9,750.0	9,668.4	9,688.9	9,668.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.8	41.25	12.027	
9,775.0	9,693.4	9,713.9	9,693.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.8	41.27	12.020	
9,800.0	9,718.4	9,738.9	9,718.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.8	41.30	12.012	
9,825.0	9,743.4	9,763.9	9,743.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.8	41.32	12.005	
9,850.0	9,768.4	9,788.9	9,768.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.7	41.35	11.998	
9,875.0	9,793.4	9,813.9	9,793.3	23.9	17.0	-93.78	70.0	324.0	496.1	454.7	41.37	11.991	
9,900.0	9,818.4	9,838.9	9,818.3	24.0	17.0	-93.78	70.0	324.0	496.1	454.7	41.40	11.984	
9,925.0	9,843.4	9,863.9	9,843.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.7	41.42	11.977	
9,950.0	9,868.4	9,888.9	9,868.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.6	41.44	11.970	
9,975.0	9,893.4	9,913.9	9,893.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.6	41.47	11.963	
10,000.0	9,918.4	9,938.9	9,918.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.6	41.49	11.956	
10,025.0	9,943.4	9,963.9	9,943.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.6	41.52	11.948	
10,050.0	9,968.4	9,988.9	9,968.3	24.0	17.1	-93.78	70.0	324.0	496.1	454.5	41.54	11.941	
10,075.0	9,993.4	10,013.9	9,993.3	24.0	17.2	-93.78	70.0	324.0	496.1	454.5	41.57	11.934	
10,100.0	10,018.4	10,038.9	10,018.3	24.0	17.2	-93.78	70.0	324.0	496.1	454.5	41.59	11.927	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,125.0	10,043.4	10,063.9	10,043.3	24.0	17.2	-93.78	70.0	324.0	496.1	454.5	41.61	11.921	
10,150.0	10,068.4	10,088.9	10,068.3	24.1	17.2	-93.78	70.0	324.0	496.1	454.4	41.63	11.916	
10,153.2	10,071.6	10,092.1	10,071.5	24.1	17.2	-93.78	70.0	324.0	496.1	454.4	41.63	11.915	
10,175.0	10,093.4	10,113.9	10,093.3	24.1	17.2	-93.77	70.0	324.0	496.1	454.5	41.65	11.911	
10,200.0	10,118.3	10,138.9	10,118.2	24.1	17.2	-93.96	70.0	324.0	496.2	454.6	41.67	11.908	
10,225.0	10,143.1	10,163.7	10,143.0	24.1	17.3	-94.28	70.0	324.0	496.5	454.8	41.70	11.906	
10,250.0	10,167.7	10,188.3	10,167.6	24.1	17.3	-94.74	70.0	324.0	496.8	455.1	41.73	11.905	
10,275.0	10,192.1	10,212.6	10,192.0	24.1	17.3	-95.31	70.0	324.0	497.3	455.6	41.76	11.908	
10,300.0	10,216.1	10,236.6	10,216.0	24.1	17.3	-95.99	70.0	324.0	498.0	456.2	41.79	11.916	
10,325.0	10,239.7	10,260.2	10,239.6	24.1	17.3	-96.76	70.0	324.0	499.0	457.2	41.82	11.931	
10,350.0	10,262.9	10,283.4	10,262.8	24.1	17.3	-97.60	70.0	324.0	500.3	458.4	41.85	11.954	
10,375.0	10,285.5	10,306.0	10,285.4	24.1	17.3	-98.50	70.0	324.0	501.9	460.0	41.86	11.989	
10,400.0	10,307.5	10,333.2	10,312.6	24.1	17.4	-99.64	70.7	324.0	503.9	462.0	41.90	12.025	
10,425.0	10,328.9	10,361.5	10,340.8	24.1	17.4	-100.79	73.1	324.0	506.1	464.1	41.94	12.065	
10,450.0	10,349.6	10,390.8	10,369.7	24.1	17.4	-101.93	77.3	324.0	508.4	466.4	41.99	12.109	
10,475.0	10,369.6	10,421.1	10,399.4	24.1	17.4	-103.05	83.5	324.0	511.0	468.9	42.04	12.155	
10,500.0	10,388.7	10,452.5	10,429.6	24.1	17.4	-104.17	91.9	324.0	513.6	471.5	42.10	12.201	
10,525.0	10,406.9	10,485.1	10,460.4	24.1	17.4	-105.26	102.8	324.0	516.4	474.3	42.17	12.247	
10,550.0	10,424.3	10,518.9	10,491.4	24.1	17.4	-106.34	116.2	323.9	519.3	477.0	42.25	12.291	
10,575.0	10,440.6	10,554.0	10,522.5	24.1	17.4	-107.38	132.4	323.9	522.1	479.8	42.34	12.330	
10,600.0	10,456.0	10,590.5	10,553.5	24.1	17.4	-108.38	151.6	323.9	524.9	482.5	42.46	12.364	
10,625.0	10,470.3	10,628.3	10,584.0	24.1	17.4	-109.33	173.9	323.9	527.7	485.1	42.59	12.391	
10,650.0	10,483.5	10,667.5	10,613.6	24.1	17.4	-110.23	199.6	323.8	530.3	487.6	42.73	12.410	
10,675.0	10,495.5	10,708.0	10,641.9	24.2	17.4	-111.05	228.6	323.8	532.7	489.8	42.89	12.421	
10,700.0	10,506.4	10,749.8	10,668.4	24.2	17.4	-111.78	260.8	323.8	534.9	491.9	43.06	12.424	
10,725.0	10,516.2	10,792.7	10,692.6	24.2	17.5	-112.42	296.3	323.7	536.8	493.6	43.22	12.420	
10,750.0	10,524.7	10,836.7	10,714.0	24.2	17.5	-112.94	334.8	323.7	538.4	495.0	43.38	12.409	
10,775.0	10,531.9	10,881.6	10,732.1	24.2	17.5	-113.34	375.8	323.6	539.6	496.0	43.53	12.394	
10,800.0	10,537.9	10,927.0	10,746.4	24.3	17.6	-113.59	418.9	323.6	540.3	496.7	43.66	12.377	
10,825.0	10,542.6	10,972.9	10,756.6	24.3	17.6	-113.71	463.6	323.5	540.7	496.9	43.75	12.357	
10,850.0	10,546.1	11,018.7	10,762.5	24.3	17.7	-113.68	509.1	323.5	540.6	496.8	43.82	12.337	
10,875.0	10,548.2	11,059.0	10,764.1	24.3	17.8	-113.55	549.2	323.4	540.1	496.2	43.86	12.315	
10,898.3	10,549.0	11,082.2	10,764.3	24.4	17.8	-113.52	572.5	323.4	539.9	496.0	43.92	12.293	
10,898.5	10,549.0	11,082.4	10,764.3	24.4	17.8	-113.52	572.7	323.4	539.9	496.0	43.92	12.293	
10,900.0	10,549.0	11,084.0	10,764.3	24.4	17.8	-113.52	574.2	323.4	539.9	496.0	43.92	12.292	
10,925.0	10,549.3	11,109.0	10,764.6	24.4	17.9	-113.52	599.2	323.4	539.9	495.9	44.00	12.271	
10,950.0	10,549.5	11,134.0	10,764.8	24.4	17.9	-113.52	624.2	323.4	539.9	495.8	44.08	12.248	
10,975.0	10,549.8	11,159.0	10,765.1	24.5	18.0	-113.52	649.2	323.3	539.9	495.7	44.16	12.226	
11,000.0	10,550.0	11,184.0	10,765.3	24.5	18.0	-113.52	674.2	323.3	539.9	495.7	44.24	12.204	
11,025.0	10,550.2	11,209.0	10,765.6	24.6	18.1	-113.52	699.2	323.3	539.9	495.6	44.33	12.179	
11,050.0	10,550.5	11,234.0	10,765.9	24.6	18.2	-113.52	724.2	323.2	539.9	495.5	44.43	12.153	
11,075.0	10,550.7	11,259.0	10,766.1	24.7	18.2	-113.52	749.2	323.2	539.9	495.4	44.52	12.127	
11,100.0	10,551.0	11,284.0	10,766.4	24.7	18.3	-113.52	774.2	323.2	539.9	495.3	44.62	12.101	
11,125.0	10,551.2	11,309.0	10,766.6	24.8	18.4	-113.52	799.2	323.1	539.9	495.2	44.72	12.073	
11,150.0	10,551.5	11,334.0	10,766.9	24.8	18.4	-113.53	824.2	323.1	539.9	495.1	44.83	12.044	
11,175.0	10,551.7	11,359.0	10,767.1	24.9	18.5	-113.53	849.2	323.1	539.9	495.0	44.94	12.015	
11,200.0	10,552.0	11,384.0	10,767.4	24.9	18.6	-113.53	874.2	323.1	539.9	494.9	45.05	11.986	
11,225.0	10,552.2	11,409.0	10,767.6	25.0	18.7	-113.53	899.2	323.0	539.9	494.8	45.16	11.955	
11,250.0	10,552.5	11,434.0	10,767.9	25.0	18.7	-113.53	924.2	323.0	539.9	494.6	45.28	11.923	
11,275.0	10,552.7	11,459.0	10,768.2	25.1	18.8	-113.53	949.2	323.0	539.9	494.5	45.41	11.891	
11,300.0	10,553.0	11,484.0	10,768.4	25.2	18.9	-113.53	974.2	322.9	539.9	494.4	45.53	11.860	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,325.0	10,553.2	11,509.0	10,768.7	25.2	19.0	-113.53	999.2	322.9	539.9	494.3	45.66	11.826	
11,350.0	10,553.4	11,534.0	10,768.9	25.3	19.1	-113.53	1,024.2	322.9	539.9	494.2	45.79	11.791	
11,375.0	10,553.7	11,559.0	10,769.2	25.4	19.2	-113.53	1,049.2	322.9	539.9	494.0	45.92	11.757	
11,400.0	10,553.9	11,584.0	10,769.4	25.4	19.3	-113.53	1,074.2	322.8	539.9	493.9	46.06	11.723	
11,425.0	10,554.2	11,609.0	10,769.7	25.5	19.4	-113.54	1,099.2	322.8	540.0	493.8	46.20	11.687	
11,450.0	10,554.4	11,634.0	10,769.9	25.6	19.5	-113.54	1,124.2	322.8	540.0	493.6	46.35	11.650	
11,475.0	10,554.7	11,659.0	10,770.2	25.6	19.6	-113.54	1,149.2	322.7	540.0	493.5	46.49	11.614	
11,500.0	10,554.9	11,684.0	10,770.5	25.7	19.7	-113.54	1,174.2	322.7	540.0	493.3	46.64	11.577	
11,525.0	10,555.2	11,709.0	10,770.7	25.8	19.8	-113.54	1,199.2	322.7	540.0	493.2	46.79	11.539	
11,550.0	10,555.4	11,734.0	10,771.0	25.9	19.9	-113.54	1,224.2	322.7	540.0	493.0	46.95	11.501	
11,575.0	10,555.7	11,759.0	10,771.2	26.0	20.0	-113.54	1,249.2	322.6	540.0	492.9	47.11	11.462	
11,600.0	10,555.9	11,784.0	10,771.5	26.0	20.1	-113.54	1,274.2	322.6	540.0	492.7	47.27	11.424	
11,625.0	10,556.2	11,809.0	10,771.7	26.1	20.2	-113.54	1,299.2	322.6	540.0	492.5	47.43	11.384	
11,650.0	10,556.4	11,834.0	10,772.0	26.2	20.3	-113.54	1,324.2	322.5	540.0	492.4	47.60	11.344	
11,675.0	10,556.6	11,859.0	10,772.2	26.3	20.4	-113.54	1,349.2	322.5	540.0	492.2	47.77	11.304	
11,700.0	10,556.9	11,884.0	10,772.5	26.4	20.5	-113.55	1,374.2	322.5	540.0	492.1	47.94	11.264	
11,725.0	10,557.1	11,909.0	10,772.8	26.5	20.6	-113.55	1,399.2	322.5	540.0	491.9	48.12	11.223	
11,750.0	10,557.4	11,934.0	10,773.0	26.6	20.8	-113.55	1,424.2	322.4	540.0	491.7	48.30	11.181	
11,775.0	10,557.6	11,959.0	10,773.3	26.7	20.9	-113.55	1,449.2	322.4	540.0	491.5	48.48	11.140	
11,800.0	10,557.9	11,984.0	10,773.5	26.7	21.0	-113.55	1,474.2	322.4	540.0	491.4	48.66	11.099	
11,825.0	10,558.1	12,009.0	10,773.8	26.8	21.1	-113.55	1,499.2	322.3	540.0	491.2	48.84	11.056	
11,850.0	10,558.4	12,034.0	10,774.0	26.9	21.2	-113.55	1,524.2	322.3	540.0	491.0	49.03	11.013	
11,875.0	10,558.6	12,059.0	10,774.3	27.0	21.4	-113.55	1,549.2	322.3	540.0	490.8	49.22	10.971	
11,900.0	10,558.9	12,084.0	10,774.5	27.1	21.5	-113.55	1,574.2	322.2	540.0	490.6	49.41	10.929	
11,925.0	10,559.1	12,109.0	10,774.8	27.2	21.6	-113.55	1,599.2	322.2	540.0	490.4	49.61	10.886	
11,950.0	10,559.4	12,134.0	10,775.1	27.3	21.8	-113.55	1,624.2	322.2	540.0	490.2	49.81	10.842	
11,975.0	10,559.6	12,159.0	10,775.3	27.5	21.9	-113.56	1,649.2	322.2	540.0	490.0	50.01	10.799	
12,000.0	10,559.8	12,184.0	10,775.6	27.6	22.0	-113.56	1,674.2	322.1	540.0	489.8	50.21	10.756	
12,025.0	10,560.1	12,209.0	10,775.8	27.7	22.2	-113.56	1,699.2	322.1	540.0	489.6	50.41	10.712	
12,050.0	10,560.3	12,234.0	10,776.1	27.8	22.3	-113.56	1,724.2	322.1	540.0	489.4	50.62	10.668	
12,075.0	10,560.6	12,259.0	10,776.3	27.9	22.4	-113.56	1,749.2	322.0	540.0	489.2	50.83	10.624	
12,100.0	10,560.8	12,284.0	10,776.6	28.0	22.6	-113.56	1,774.2	322.0	540.1	489.0	51.04	10.580	
12,125.0	10,561.1	12,309.0	10,776.8	28.1	22.7	-113.56	1,799.2	322.0	540.1	488.8	51.26	10.536	
12,150.0	10,561.3	12,334.0	10,777.1	28.2	22.8	-113.56	1,824.2	322.0	540.1	488.6	51.48	10.492	
12,175.0	10,561.6	12,359.0	10,777.4	28.3	23.0	-113.56	1,849.1	321.9	540.1	488.4	51.69	10.447	
12,200.0	10,561.8	12,384.0	10,777.6	28.4	23.1	-113.56	1,874.1	321.9	540.1	488.2	51.91	10.403	
12,225.0	10,562.1	12,409.0	10,777.9	28.6	23.3	-113.56	1,899.1	321.9	540.1	487.9	52.14	10.359	
12,250.0	10,562.3	12,434.0	10,778.1	28.7	23.4	-113.57	1,924.1	321.8	540.1	487.7	52.36	10.314	
12,275.0	10,562.6	12,459.0	10,778.4	28.8	23.6	-113.57	1,949.1	321.8	540.1	487.5	52.59	10.270	
12,300.0	10,562.8	12,484.0	10,778.6	28.9	23.7	-113.57	1,974.1	321.8	540.1	487.3	52.82	10.226	
12,325.0	10,563.1	12,509.0	10,778.9	29.0	23.9	-113.57	1,999.1	321.8	540.1	487.0	53.05	10.181	
12,350.0	10,563.3	12,534.0	10,779.1	29.2	24.0	-113.57	2,024.1	321.7	540.1	486.8	53.28	10.136	
12,375.0	10,563.5	12,559.0	10,779.4	29.3	24.2	-113.57	2,049.1	321.7	540.1	486.6	53.52	10.092	
12,400.0	10,563.8	12,584.0	10,779.7	29.4	24.3	-113.57	2,074.1	321.7	540.1	486.3	53.75	10.048	
12,425.0	10,564.0	12,609.0	10,779.9	29.5	24.5	-113.57	2,099.1	321.6	540.1	486.1	53.99	10.004	
12,450.0	10,564.3	12,634.0	10,780.2	29.7	24.6	-113.57	2,124.1	321.6	540.1	485.9	54.23	9.959	
12,475.0	10,564.5	12,659.0	10,780.4	29.8	24.8	-113.57	2,149.1	321.6	540.1	485.6	54.47	9.915	
12,500.0	10,564.8	12,684.0	10,780.7	29.9	24.9	-113.57	2,174.1	321.5	540.1	485.4	54.72	9.871	
12,525.0	10,565.0	12,709.0	10,780.9	30.0	25.1	-113.58	2,199.1	321.5	540.1	485.1	54.96	9.827	
12,550.0	10,565.3	12,734.0	10,781.2	30.2	25.2	-113.58	2,224.1	321.5	540.1	484.9	55.21	9.782	
12,575.0	10,565.5	12,759.0	10,781.4	30.3	25.4	-113.58	2,249.1	321.5	540.1	484.7	55.46	9.738	

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

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,600.0	10,565.8	12,784.0	10,781.7	30.4	25.5	-113.58	2,274.1	321.4	540.1	484.4	55.71	9.695	
12,625.0	10,566.0	12,809.0	10,782.0	30.6	25.7	-113.58	2,299.1	321.4	540.1	484.2	55.97	9.651	
12,650.0	10,566.3	12,834.0	10,782.2	30.7	25.9	-113.58	2,324.1	321.4	540.1	483.9	56.22	9.607	
12,675.0	10,566.5	12,859.0	10,782.5	30.8	26.0	-113.58	2,349.1	321.3	540.1	483.7	56.48	9.564	
12,700.0	10,566.7	12,884.0	10,782.7	31.0	26.2	-113.58	2,374.1	321.3	540.1	483.4	56.73	9.521	
12,725.0	10,567.0	12,909.0	10,783.0	31.1	26.3	-113.58	2,399.1	321.3	540.1	483.1	56.99	9.477	
12,750.0	10,567.2	12,934.0	10,783.2	31.3	26.5	-113.58	2,424.1	321.3	540.1	482.9	57.26	9.434	
12,775.0	10,567.5	12,959.0	10,783.5	31.4	26.7	-113.58	2,449.1	321.2	540.1	482.6	57.52	9.391	
12,800.0	10,567.7	12,984.0	10,783.7	31.5	26.8	-113.59	2,474.1	321.2	540.2	482.4	57.78	9.348	
12,825.0	10,568.0	13,009.0	10,784.0	31.7	27.0	-113.59	2,499.1	321.2	540.2	482.1	58.05	9.305	
12,850.0	10,568.2	13,034.0	10,784.3	31.8	27.2	-113.59	2,524.1	321.1	540.2	481.8	58.32	9.262	
12,875.0	10,568.5	13,059.0	10,784.5	32.0	27.3	-113.59	2,549.1	321.1	540.2	481.6	58.59	9.220	
12,900.0	10,568.7	13,084.0	10,784.8	32.1	27.5	-113.59	2,574.1	321.1	540.2	481.3	58.85	9.178	
12,925.0	10,569.0	13,109.0	10,785.0	32.2	27.7	-113.59	2,599.1	321.1	540.2	481.0	59.13	9.136	
12,950.0	10,569.2	13,134.0	10,785.3	32.4	27.8	-113.59	2,624.1	321.0	540.2	480.8	59.40	9.094	
12,975.0	10,569.5	13,159.0	10,785.5	32.5	28.0	-113.59	2,649.1	321.0	540.2	480.5	59.68	9.052	
13,000.0	10,569.7	13,184.0	10,785.8	32.7	28.2	-113.59	2,674.1	321.0	540.2	480.2	59.95	9.010	
13,025.0	10,569.9	13,209.0	10,786.0	32.8	28.3	-113.59	2,699.1	320.9	540.2	480.0	60.23	8.969	
13,050.0	10,570.2	13,234.0	10,786.3	33.0	28.5	-113.59	2,724.1	320.9	540.2	479.7	60.51	8.928	
13,075.0	10,570.4	13,259.0	10,786.6	33.1	28.7	-113.60	2,749.1	320.9	540.2	479.4	60.79	8.886	
13,100.0	10,570.7	13,284.0	10,786.8	33.3	28.9	-113.60	2,774.1	320.8	540.2	479.1	61.07	8.846	
13,125.0	10,570.9	13,309.0	10,787.1	33.4	29.0	-113.60	2,799.1	320.8	540.2	478.8	61.35	8.805	
13,150.0	10,571.2	13,334.0	10,787.3	33.6	29.2	-113.60	2,824.1	320.8	540.2	478.6	61.64	8.764	
13,175.0	10,571.4	13,359.0	10,787.6	33.7	29.4	-113.60	2,849.1	320.8	540.2	478.3	61.92	8.724	
13,200.0	10,571.7	13,384.0	10,787.8	33.9	29.6	-113.60	2,874.1	320.7	540.2	478.0	62.21	8.684	
13,225.0	10,571.9	13,409.0	10,788.1	34.0	29.7	-113.60	2,899.1	320.7	540.2	477.7	62.49	8.644	
13,250.0	10,572.2	13,434.0	10,788.3	34.2	29.9	-113.60	2,924.1	320.7	540.2	477.4	62.78	8.604	
13,275.0	10,572.4	13,459.0	10,788.6	34.3	30.1	-113.60	2,949.1	320.6	540.2	477.1	63.07	8.565	
13,300.0	10,572.7	13,484.0	10,788.9	34.5	30.3	-113.60	2,974.1	320.6	540.2	476.9	63.36	8.526	
13,325.0	10,572.9	13,509.0	10,789.1	34.6	30.4	-113.60	2,999.1	320.6	540.2	476.6	63.66	8.487	
13,350.0	10,573.1	13,534.0	10,789.4	34.8	30.6	-113.61	3,024.1	320.6	540.2	476.3	63.95	8.448	
13,375.0	10,573.4	13,559.0	10,789.6	34.9	30.8	-113.61	3,049.1	320.5	540.2	476.0	64.25	8.409	
13,400.0	10,573.6	13,584.0	10,789.9	35.1	31.0	-113.61	3,074.1	320.5	540.2	475.7	64.54	8.371	
13,425.0	10,573.9	13,609.0	10,790.1	35.3	31.1	-113.61	3,099.1	320.5	540.2	475.4	64.84	8.332	
13,450.0	10,574.1	13,634.0	10,790.4	35.4	31.3	-113.61	3,124.1	320.4	540.2	475.1	65.14	8.294	
13,475.0	10,574.4	13,659.0	10,790.6	35.6	31.5	-113.61	3,149.1	320.4	540.3	474.8	65.44	8.256	
13,500.0	10,574.6	13,684.0	10,790.9	35.7	31.7	-113.61	3,174.1	320.4	540.3	474.5	65.73	8.219	
13,525.0	10,574.9	13,709.0	10,791.2	35.9	31.9	-113.61	3,199.1	320.4	540.3	474.2	66.04	8.181	
13,550.0	10,575.1	13,734.0	10,791.4	36.1	32.0	-113.61	3,224.1	320.3	540.3	473.9	66.34	8.144	
13,575.0	10,575.4	13,759.0	10,791.7	36.2	32.2	-113.61	3,249.1	320.3	540.3	473.6	66.64	8.107	
13,600.0	10,575.6	13,784.0	10,791.9	36.4	32.4	-113.61	3,274.1	320.3	540.3	473.3	66.94	8.070	
13,625.0	10,575.9	13,809.0	10,792.2	36.5	32.6	-113.62	3,299.1	320.2	540.3	473.0	67.25	8.034	
13,650.0	10,576.1	13,834.0	10,792.4	36.7	32.8	-113.62	3,324.1	320.2	540.3	472.7	67.56	7.997	
13,675.0	10,576.3	13,859.0	10,792.7	36.9	32.9	-113.62	3,349.1	320.2	540.3	472.4	67.86	7.961	
13,700.0	10,576.6	13,884.0	10,792.9	37.0	33.1	-113.62	3,374.1	320.1	540.3	472.1	68.17	7.925	
13,725.0	10,576.8	13,909.0	10,793.2	37.2	33.3	-113.62	3,399.1	320.1	540.3	471.8	68.48	7.890	
13,750.0	10,577.1	13,934.0	10,793.5	37.4	33.5	-113.62	3,424.1	320.1	540.3	471.5	68.79	7.854	
13,775.0	10,577.3	13,959.0	10,793.7	37.5	33.7	-113.62	3,449.1	320.1	540.3	471.2	69.10	7.819	
13,800.0	10,577.6	13,984.0	10,794.0	37.7	33.9	-113.62	3,474.1	320.0	540.3	470.9	69.41	7.784	
13,825.0	10,577.8	14,009.0	10,794.2	37.9	34.1	-113.62	3,499.1	320.0	540.3	470.6	69.72	7.749	
13,850.0	10,578.1	14,034.0	10,794.5	38.0	34.2	-113.62	3,524.1	320.0	540.3	470.3	70.04	7.714	

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

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
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Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,875.0	10,578.3	14,059.0	10,794.7	38.2	34.4	-113.62	3,549.1	319.9	540.3	470.0	70.35	7.680	
13,900.0	10,578.6	14,084.0	10,795.0	38.4	34.6	-113.63	3,574.1	319.9	540.3	469.6	70.67	7.646	
13,925.0	10,578.8	14,109.0	10,795.2	38.5	34.8	-113.63	3,599.1	319.9	540.3	469.3	70.98	7.612	
13,950.0	10,579.1	14,134.0	10,795.5	38.7	35.0	-113.63	3,624.1	319.9	540.3	469.0	71.30	7.578	
13,975.0	10,579.3	14,159.0	10,795.8	38.9	35.2	-113.63	3,649.1	319.8	540.3	468.7	71.62	7.545	
14,000.0	10,579.5	14,184.0	10,796.0	39.0	35.4	-113.63	3,674.1	319.8	540.3	468.4	71.93	7.511	
14,025.0	10,579.8	14,209.0	10,796.3	39.2	35.5	-113.63	3,699.1	319.8	540.3	468.1	72.25	7.478	
14,050.0	10,580.0	14,234.0	10,796.5	39.4	35.7	-113.63	3,724.0	319.7	540.3	467.8	72.57	7.445	
14,075.0	10,580.3	14,259.0	10,796.8	39.5	35.9	-113.63	3,749.0	319.7	540.3	467.4	72.89	7.413	
14,100.0	10,580.5	14,284.0	10,797.0	39.7	36.1	-113.63	3,774.0	319.7	540.3	467.1	73.22	7.380	
14,125.0	10,580.8	14,309.0	10,797.3	39.9	36.3	-113.63	3,799.0	319.7	540.3	466.8	73.54	7.348	
14,150.0	10,581.0	14,334.0	10,797.5	40.1	36.5	-113.63	3,824.0	319.6	540.3	466.5	73.86	7.316	
14,175.0	10,581.3	14,359.0	10,797.8	40.2	36.7	-113.64	3,849.0	319.6	540.4	466.2	74.18	7.284	
14,200.0	10,581.5	14,384.0	10,798.0	40.4	36.9	-113.64	3,874.0	319.6	540.4	465.8	74.51	7.252	
14,225.0	10,581.8	14,409.0	10,798.3	40.6	37.1	-113.64	3,899.0	319.5	540.4	465.5	74.83	7.221	
14,250.0	10,582.0	14,434.0	10,798.6	40.7	37.2	-113.64	3,924.0	319.5	540.4	465.2	75.16	7.190	
14,275.0	10,582.3	14,459.0	10,798.8	40.9	37.4	-113.64	3,949.0	319.5	540.4	464.9	75.49	7.159	
14,300.0	10,582.5	14,484.0	10,799.1	41.1	37.6	-113.64	3,974.0	319.4	540.4	464.6	75.81	7.128	
14,325.0	10,582.8	14,509.0	10,799.3	41.3	37.8	-113.64	3,999.0	319.4	540.4	464.2	76.14	7.097	
14,350.0	10,583.0	14,534.0	10,799.6	41.4	38.0	-113.64	4,024.0	319.4	540.4	463.9	76.47	7.067	
14,375.0	10,583.2	14,559.0	10,799.8	41.6	38.2	-113.64	4,049.0	319.4	540.4	463.6	76.80	7.036	
14,400.0	10,583.5	14,584.0	10,800.1	41.8	38.4	-113.64	4,074.0	319.3	540.4	463.3	77.13	7.006	
14,425.0	10,583.7	14,609.0	10,800.3	42.0	38.6	-113.64	4,099.0	319.3	540.4	462.9	77.46	6.977	
14,450.0	10,584.0	14,634.0	10,800.6	42.1	38.8	-113.64	4,124.0	319.3	540.4	462.6	77.79	6.947	
14,475.0	10,584.2	14,659.0	10,800.9	42.3	39.0	-113.65	4,149.0	319.2	540.4	462.3	78.12	6.917	
14,500.0	10,584.5	14,684.0	10,801.1	42.5	39.2	-113.65	4,174.0	319.2	540.4	461.9	78.45	6.888	
14,525.0	10,584.7	14,709.0	10,801.4	42.7	39.3	-113.65	4,199.0	319.2	540.4	461.6	78.78	6.859	
14,550.0	10,585.0	14,734.0	10,801.6	42.9	39.5	-113.65	4,224.0	319.2	540.4	461.3	79.12	6.830	
14,575.0	10,585.2	14,759.0	10,801.9	43.0	39.7	-113.65	4,249.0	319.1	540.4	461.0	79.45	6.802	
14,600.0	10,585.5	14,784.0	10,802.1	43.2	39.9	-113.65	4,274.0	319.1	540.4	460.6	79.79	6.773	
14,625.0	10,585.7	14,809.0	10,802.4	43.4	40.1	-113.65	4,299.0	319.1	540.4	460.3	80.12	6.745	
14,650.0	10,586.0	14,834.0	10,802.6	43.6	40.3	-113.65	4,324.0	319.0	540.4	460.0	80.46	6.717	
14,675.0	10,586.2	14,859.0	10,802.9	43.8	40.5	-113.65	4,349.0	319.0	540.4	459.6	80.79	6.689	
14,700.0	10,586.4	14,884.0	10,803.2	43.9	40.7	-113.65	4,374.0	319.0	540.4	459.3	81.13	6.661	
14,725.0	10,586.7	14,909.0	10,803.4	44.1	40.9	-113.65	4,399.0	319.0	540.4	459.0	81.47	6.634	
14,750.0	10,586.9	14,934.0	10,803.7	44.3	41.1	-113.66	4,424.0	318.9	540.4	458.6	81.81	6.606	
14,775.0	10,587.2	14,959.0	10,803.9	44.5	41.3	-113.66	4,449.0	318.9	540.4	458.3	82.14	6.579	
14,800.0	10,587.4	14,984.0	10,804.2	44.7	41.5	-113.66	4,474.0	318.9	540.4	458.0	82.48	6.552	
14,825.0	10,587.7	15,009.0	10,804.4	44.8	41.7	-113.66	4,499.0	318.8	540.4	457.6	82.82	6.525	
14,850.0	10,587.9	15,034.0	10,804.7	45.0	41.9	-113.66	4,524.0	318.8	540.5	457.3	83.16	6.499	
14,875.0	10,588.2	15,059.0	10,804.9	45.2	42.1	-113.66	4,549.0	318.8	540.5	457.0	83.50	6.472	
14,900.0	10,588.4	15,084.0	10,805.2	45.4	42.3	-113.66	4,574.0	318.7	540.5	456.6	83.84	6.446	
14,925.0	10,588.7	15,109.0	10,805.5	45.6	42.5	-113.66	4,599.0	318.7	540.5	456.3	84.19	6.420	
14,950.0	10,588.9	15,134.0	10,805.7	45.7	42.7	-113.66	4,624.0	318.7	540.5	455.9	84.53	6.394	
14,975.0	10,589.2	15,159.0	10,806.0	45.9	42.8	-113.66	4,649.0	318.7	540.5	455.6	84.87	6.368	
15,000.0	10,589.4	15,184.0	10,806.2	46.1	43.0	-113.66	4,674.0	318.6	540.5	455.3	85.21	6.343	
15,025.0	10,589.6	15,209.0	10,806.5	46.3	43.2	-113.67	4,699.0	318.6	540.5	454.9	85.56	6.317	
15,050.0	10,589.9	15,234.0	10,806.7	46.5	43.4	-113.67	4,724.0	318.6	540.5	454.6	85.90	6.292	
15,075.0	10,590.1	15,259.0	10,807.0	46.7	43.6	-113.67	4,749.0	318.5	540.5	454.2	86.24	6.267	
15,100.0	10,590.4	15,284.0	10,807.2	46.8	43.8	-113.67	4,774.0	318.5	540.5	453.9	86.59	6.242	
15,125.0	10,590.6	15,309.0	10,807.5	47.0	44.0	-113.67	4,799.0	318.5	540.5	453.6	86.93	6.217	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
15,150.0	10,590.9	15,334.0	10,807.8	47.2	44.2	-113.67	4,824.0	318.5	540.5	453.2	87.28	6.193	
15,175.0	10,591.1	15,359.0	10,808.0	47.4	44.4	-113.67	4,849.0	318.4	540.5	452.9	87.63	6.168	
15,200.0	10,591.4	15,384.0	10,808.3	47.6	44.6	-113.67	4,874.0	318.4	540.5	452.5	87.97	6.144	
15,225.0	10,591.6	15,409.0	10,808.5	47.8	44.8	-113.67	4,899.0	318.4	540.5	452.2	88.32	6.120	
15,250.0	10,591.9	15,434.0	10,808.8	48.0	45.0	-113.67	4,924.0	318.3	540.5	451.8	88.67	6.096	
15,275.0	10,592.1	15,459.0	10,809.0	48.1	45.2	-113.67	4,949.0	318.3	540.5	451.5	89.01	6.072	
15,300.0	10,592.4	15,484.0	10,809.3	48.3	45.4	-113.68	4,974.0	318.3	540.5	451.2	89.36	6.049	
15,325.0	10,592.6	15,509.0	10,809.5	48.5	45.6	-113.68	4,999.0	318.3	540.5	450.8	89.71	6.025	
15,350.0	10,592.8	15,534.0	10,809.8	48.7	45.8	-113.68	5,024.0	318.2	540.5	450.5	90.06	6.002	
15,375.0	10,593.1	15,559.0	10,810.1	48.9	46.0	-113.68	5,049.0	318.2	540.5	450.1	90.41	5.979	
15,400.0	10,593.3	15,584.0	10,810.3	49.1	46.2	-113.68	5,074.0	318.2	540.5	449.8	90.76	5.956	
15,425.0	10,593.6	15,609.0	10,810.6	49.3	46.4	-113.68	5,099.0	318.1	540.5	449.4	91.11	5.933	
15,450.0	10,593.8	15,634.0	10,810.8	49.4	46.6	-113.68	5,124.0	318.1	540.5	449.1	91.46	5.910	
15,475.0	10,594.1	15,659.0	10,811.1	49.6	46.8	-113.68	5,149.0	318.1	540.5	448.7	91.81	5.888	
15,500.0	10,594.3	15,684.0	10,811.3	49.8	47.0	-113.68	5,174.0	318.0	540.5	448.4	92.16	5.865	
15,525.0	10,594.6	15,709.0	10,811.6	50.0	47.2	-113.68	5,199.0	318.0	540.5	448.0	92.51	5.843	
15,550.0	10,594.8	15,734.0	10,811.8	50.2	47.4	-113.68	5,224.0	318.0	540.6	447.7	92.87	5.821	
15,575.0	10,595.1	15,759.0	10,812.1	50.4	47.6	-113.69	5,249.0	318.0	540.6	447.3	93.22	5.799	
15,600.0	10,595.3	15,784.0	10,812.4	50.6	47.8	-113.69	5,274.0	317.9	540.6	447.0	93.57	5.777	
15,625.0	10,595.6	15,809.0	10,812.6	50.8	48.0	-113.69	5,299.0	317.9	540.6	446.6	93.92	5.755	
15,650.0	10,595.8	15,834.0	10,812.9	51.0	48.2	-113.69	5,324.0	317.9	540.6	446.3	94.28	5.734	
15,675.0	10,596.0	15,859.0	10,813.1	51.1	48.4	-113.69	5,349.0	317.8	540.6	445.9	94.63	5.712	
15,700.0	10,596.3	15,884.0	10,813.4	51.3	48.6	-113.69	5,374.0	317.8	540.6	445.6	94.98	5.691	
15,725.0	10,596.5	15,909.0	10,813.6	51.5	48.8	-113.69	5,399.0	317.8	540.6	445.2	95.34	5.670	
15,750.0	10,596.8	15,934.0	10,813.9	51.7	49.0	-113.69	5,424.0	317.8	540.6	444.9	95.69	5.649	
15,775.0	10,597.0	15,959.0	10,814.1	51.9	49.2	-113.69	5,449.0	317.7	540.6	444.5	96.05	5.628	
15,800.0	10,597.3	15,984.0	10,814.4	52.1	49.4	-113.69	5,474.0	317.7	540.6	444.2	96.40	5.608	
15,825.0	10,597.5	16,009.0	10,814.7	52.3	49.6	-113.69	5,499.0	317.7	540.6	443.8	96.76	5.587	
15,850.0	10,597.8	16,034.0	10,814.9	52.5	49.8	-113.70	5,524.0	317.6	540.6	443.5	97.12	5.566	
15,875.0	10,598.0	16,059.0	10,815.2	52.7	50.0	-113.70	5,549.0	317.6	540.6	443.1	97.47	5.546	
15,900.0	10,598.3	16,084.0	10,815.4	52.9	50.2	-113.70	5,574.0	317.6	540.6	442.8	97.83	5.526	
15,925.0	10,598.5	16,109.0	10,815.7	53.0	50.4	-113.70	5,599.0	317.6	540.6	442.4	98.19	5.506	
15,950.0	10,598.8	16,134.0	10,815.9	53.2	50.6	-113.70	5,623.9	317.5	540.6	442.1	98.54	5.486	
15,975.0	10,599.0	16,159.0	10,816.2	53.4	50.8	-113.70	5,648.9	317.5	540.6	441.7	98.90	5.466	
16,000.0	10,599.2	16,184.0	10,816.4	53.6	51.0	-113.70	5,673.9	317.5	540.6	441.4	99.26	5.447	
16,025.0	10,599.5	16,209.0	10,816.7	53.8	51.2	-113.70	5,698.9	317.4	540.6	441.0	99.62	5.427	
16,050.0	10,599.7	16,234.0	10,817.0	54.0	51.4	-113.70	5,723.9	317.4	540.6	440.6	99.98	5.408	
16,075.0	10,600.0	16,259.0	10,817.2	54.2	51.6	-113.70	5,748.9	317.4	540.6	440.3	100.34	5.388	
16,100.0	10,600.2	16,284.0	10,817.5	54.4	51.8	-113.70	5,773.9	317.3	540.6	439.9	100.69	5.369	
16,125.0	10,600.5	16,309.0	10,817.7	54.6	52.0	-113.71	5,798.9	317.3	540.6	439.6	101.05	5.350	
16,150.0	10,600.7	16,334.0	10,818.0	54.8	52.2	-113.71	5,823.9	317.3	540.6	439.2	101.41	5.331	
16,175.0	10,601.0	16,359.0	10,818.2	55.0	52.4	-113.71	5,848.9	317.3	540.6	438.9	101.77	5.312	
16,200.0	10,601.2	16,384.0	10,818.5	55.2	52.6	-113.71	5,873.9	317.2	540.6	438.5	102.13	5.294	
16,225.0	10,601.5	16,409.0	10,818.7	55.4	52.8	-113.71	5,898.9	317.2	540.7	438.2	102.49	5.275	
16,250.0	10,601.7	16,434.0	10,819.0	55.6	53.0	-113.71	5,923.9	317.2	540.7	437.8	102.85	5.256	
16,275.0	10,602.0	16,459.0	10,819.3	55.7	53.2	-113.71	5,948.9	317.1	540.7	437.4	103.22	5.238	
16,300.0	10,602.2	16,484.0	10,819.5	55.9	53.4	-113.71	5,973.9	317.1	540.7	437.1	103.58	5.220	
16,325.0	10,602.5	16,509.0	10,819.8	56.1	53.6	-113.71	5,998.9	317.1	540.7	436.7	103.94	5.202	
16,350.0	10,602.7	16,534.0	10,820.0	56.3	53.8	-113.71	6,023.9	317.1	540.7	436.4	104.30	5.184	
16,375.0	10,602.9	16,559.0	10,820.3	56.5	54.0	-113.71	6,048.9	317.0	540.7	436.0	104.66	5.166	
16,400.0	10,603.2	16,584.0	10,820.5	56.7	54.3	-113.72	6,073.9	317.0	540.7	435.7	105.02	5.148	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
16,425.0	10,603.4	16,609.0	10,820.8	56.9	54.5	-113.72	6,098.9	317.0	540.7	435.3	105.39	5.130	
16,450.0	10,603.7	16,634.0	10,821.0	57.1	54.7	-113.72	6,123.9	316.9	540.7	434.9	105.75	5.113	
16,475.0	10,603.9	16,659.0	10,821.3	57.3	54.9	-113.72	6,148.9	316.9	540.7	434.6	106.11	5.095	
16,500.0	10,604.2	16,684.0	10,821.6	57.5	55.1	-113.72	6,173.9	316.9	540.7	434.2	106.48	5.078	
16,525.0	10,604.4	16,709.0	10,821.8	57.7	55.3	-113.72	6,198.9	316.9	540.7	433.9	106.84	5.061	
16,550.0	10,604.7	16,734.0	10,822.1	57.9	55.5	-113.72	6,223.9	316.8	540.7	433.5	107.20	5.044	
16,575.0	10,604.9	16,759.0	10,822.3	58.1	55.7	-113.72	6,248.9	316.8	540.7	433.1	107.57	5.027	
16,600.0	10,605.2	16,784.0	10,822.6	58.3	55.9	-113.72	6,273.9	316.8	540.7	432.8	107.93	5.010	
16,625.0	10,605.4	16,809.0	10,822.8	58.5	56.1	-113.72	6,298.9	316.7	540.7	432.4	108.30	4.993	
16,650.0	10,605.7	16,834.0	10,823.1	58.7	56.3	-113.72	6,323.9	316.7	540.7	432.1	108.66	4.976	
16,675.0	10,605.9	16,859.0	10,823.3	58.9	56.5	-113.73	6,348.9	316.7	540.7	431.7	109.03	4.960	
16,700.0	10,606.1	16,884.0	10,823.6	59.1	56.7	-113.73	6,373.9	316.7	540.7	431.3	109.39	4.943	
16,725.0	10,606.4	16,909.0	10,823.9	59.2	56.9	-113.73	6,398.9	316.6	540.7	431.0	109.76	4.927	
16,750.0	10,606.6	16,934.0	10,824.1	59.4	57.1	-113.73	6,423.9	316.6	540.7	430.6	110.12	4.910	
16,775.0	10,606.9	16,959.0	10,824.4	59.6	57.3	-113.73	6,448.9	316.6	540.7	430.2	110.49	4.894	
16,800.0	10,607.1	16,984.0	10,824.6	59.8	57.5	-113.73	6,473.9	316.5	540.7	429.9	110.85	4.878	
16,825.0	10,607.4	17,009.0	10,824.9	60.0	57.7	-113.73	6,498.9	316.5	540.7	429.5	111.22	4.862	
16,850.0	10,607.6	17,034.0	10,825.1	60.2	57.9	-113.73	6,523.9	316.5	540.7	429.2	111.59	4.846	
16,875.0	10,607.9	17,059.0	10,825.4	60.4	58.1	-113.73	6,548.9	316.4	540.7	428.8	111.95	4.830	
16,900.0	10,608.1	17,084.0	10,825.6	60.6	58.3	-113.73	6,573.9	316.4	540.8	428.4	112.32	4.814	
16,925.0	10,608.4	17,109.0	10,825.9	60.8	58.5	-113.73	6,598.9	316.4	540.8	428.1	112.69	4.799	
16,950.0	10,608.6	17,134.0	10,826.2	61.0	58.7	-113.74	6,623.9	316.4	540.8	427.7	113.05	4.783	
16,975.0	10,608.9	17,159.0	10,826.4	61.2	58.9	-113.74	6,648.9	316.3	540.8	427.3	113.42	4.768	
17,000.0	10,609.1	17,184.0	10,826.7	61.4	59.2	-113.74	6,673.9	316.3	540.8	427.0	113.79	4.752	
17,025.0	10,609.3	17,209.0	10,826.9	61.6	59.4	-113.74	6,698.9	316.3	540.8	426.6	114.16	4.737	
17,050.0	10,609.6	17,234.0	10,827.2	61.8	59.6	-113.74	6,723.9	316.2	540.8	426.2	114.52	4.722	
17,075.0	10,609.8	17,259.0	10,827.4	62.0	59.8	-113.74	6,748.9	316.2	540.8	425.9	114.89	4.707	
17,100.0	10,610.1	17,284.0	10,827.7	62.2	60.0	-113.74	6,773.9	316.2	540.8	425.5	115.26	4.692	
17,125.0	10,610.3	17,309.0	10,827.9	62.4	60.2	-113.74	6,798.9	316.2	540.8	425.2	115.63	4.677	
17,150.0	10,610.6	17,334.0	10,828.2	62.6	60.4	-113.74	6,823.9	316.1	540.8	424.8	116.00	4.662	
17,175.0	10,610.8	17,359.0	10,828.5	62.8	60.6	-113.74	6,848.9	316.1	540.8	424.4	116.37	4.647	
17,200.0	10,611.1	17,384.0	10,828.7	63.0	60.8	-113.74	6,873.9	316.1	540.8	424.1	116.74	4.633	
17,225.0	10,611.3	17,409.0	10,829.0	63.2	61.0	-113.75	6,898.9	316.0	540.8	423.7	117.11	4.618	
17,250.0	10,611.6	17,434.0	10,829.2	63.4	61.2	-113.75	6,923.9	316.0	540.8	423.3	117.47	4.604	
17,275.0	10,611.8	17,459.0	10,829.5	63.6	61.4	-113.75	6,948.9	316.0	540.8	423.0	117.84	4.589	
17,300.0	10,612.1	17,484.0	10,829.7	63.8	61.6	-113.75	6,973.9	316.0	540.8	422.6	118.21	4.575	
17,325.0	10,612.3	17,509.0	10,830.0	64.0	61.8	-113.75	6,998.9	315.9	540.8	422.2	118.58	4.561	
17,350.0	10,612.5	17,534.0	10,830.2	64.2	62.0	-113.75	7,023.9	315.9	540.8	421.9	118.95	4.546	
17,375.0	10,612.8	17,559.0	10,830.5	64.4	62.2	-113.75	7,048.9	315.9	540.8	421.5	119.32	4.532	
17,400.0	10,613.0	17,584.0	10,830.8	64.6	62.4	-113.75	7,073.9	315.8	540.8	421.1	119.69	4.518	
17,425.0	10,613.3	17,609.0	10,831.0	64.8	62.6	-113.75	7,098.9	315.8	540.8	420.8	120.07	4.504	
17,450.0	10,613.5	17,634.0	10,831.3	65.0	62.8	-113.75	7,123.9	315.8	540.8	420.4	120.44	4.491	
17,475.0	10,613.8	17,659.0	10,831.5	65.2	63.1	-113.75	7,148.9	315.7	540.8	420.0	120.81	4.477	
17,500.0	10,614.0	17,684.0	10,831.8	65.4	63.3	-113.76	7,173.9	315.7	540.8	419.7	121.18	4.463	
17,525.0	10,614.3	17,709.0	10,832.0	65.6	63.5	-113.76	7,198.9	315.7	540.8	419.3	121.55	4.450	
17,550.0	10,614.5	17,734.0	10,832.3	65.8	63.7	-113.76	7,223.9	315.7	540.8	418.9	121.92	4.436	
17,575.0	10,614.8	17,759.0	10,832.5	66.0	63.9	-113.76	7,248.9	315.6	540.8	418.6	122.29	4.423	
17,600.0	10,615.0	17,784.0	10,832.8	66.2	64.1	-113.76	7,273.9	315.6	540.9	418.2	122.66	4.409	
17,625.0	10,615.3	17,809.0	10,833.1	66.4	64.3	-113.76	7,298.9	315.6	540.9	417.8	123.04	4.396	
17,650.0	10,615.5	17,834.0	10,833.3	66.6	64.5	-113.76	7,323.9	315.5	540.9	417.5	123.41	4.383	
17,675.0	10,615.7	17,859.0	10,833.6	66.8	64.7	-113.76	7,348.9	315.5	540.9	417.1	123.78	4.370	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,700.0	10,616.0	17,884.0	10,833.8	67.0	64.9	-113.76	7,373.9	315.5	540.9	416.7	124.15	4.356	
17,725.0	10,616.2	17,909.0	10,834.1	67.2	65.1	-113.76	7,398.9	315.5	540.9	416.3	124.53	4.343	
17,750.0	10,616.5	17,934.0	10,834.3	67.4	65.3	-113.76	7,423.9	315.4	540.9	416.0	124.90	4.331	
17,775.0	10,616.7	17,959.0	10,834.6	67.6	65.5	-113.76	7,448.9	315.4	540.9	415.6	125.27	4.318	
17,800.0	10,617.0	17,984.0	10,834.8	67.8	65.7	-113.77	7,473.9	315.4	540.9	415.2	125.64	4.305	
17,825.0	10,617.2	18,009.0	10,835.1	68.0	65.9	-113.77	7,498.8	315.3	540.9	414.9	126.02	4.292	
17,850.0	10,617.5	18,034.0	10,835.4	68.2	66.2	-113.77	7,523.8	315.3	540.9	414.5	126.39	4.280	
17,875.0	10,617.7	18,059.0	10,835.6	68.4	66.4	-113.77	7,548.8	315.3	540.9	414.1	126.76	4.267	
17,900.0	10,618.0	18,084.0	10,835.9	68.6	66.6	-113.77	7,573.8	315.3	540.9	413.8	127.14	4.254	
17,925.0	10,618.2	18,109.0	10,836.1	68.8	66.8	-113.77	7,598.8	315.2	540.9	413.4	127.51	4.242	
17,950.0	10,618.5	18,134.0	10,836.4	69.0	67.0	-113.77	7,623.8	315.2	540.9	413.0	127.88	4.230	
17,975.0	10,618.7	18,159.0	10,836.6	69.2	67.2	-113.77	7,648.8	315.2	540.9	412.6	128.26	4.217	
18,000.0	10,618.9	18,184.0	10,836.9	69.4	67.4	-113.77	7,673.8	315.1	540.9	412.3	128.63	4.205	
18,025.0	10,619.2	18,209.0	10,837.1	69.6	67.6	-113.77	7,698.8	315.1	540.9	411.9	129.01	4.193	
18,050.0	10,619.4	18,234.0	10,837.4	69.8	67.8	-113.77	7,723.8	315.1	540.9	411.5	129.38	4.181	
18,075.0	10,619.7	18,259.0	10,837.7	70.0	68.0	-113.78	7,748.8	315.0	540.9	411.2	129.76	4.169	
18,100.0	10,619.9	18,284.0	10,837.9	70.2	68.2	-113.78	7,773.8	315.0	540.9	410.8	130.13	4.157	
18,125.0	10,620.2	18,309.0	10,838.2	70.4	68.4	-113.78	7,798.8	315.0	540.9	410.4	130.50	4.145	
18,150.0	10,620.4	18,334.0	10,838.4	70.6	68.6	-113.78	7,823.8	315.0	540.9	410.1	130.88	4.133	
18,175.0	10,620.7	18,359.0	10,838.7	70.8	68.8	-113.78	7,848.8	314.9	540.9	409.7	131.25	4.121	
18,200.0	10,620.9	18,384.0	10,838.9	71.0	69.1	-113.78	7,873.8	314.9	540.9	409.3	131.63	4.110	
18,225.0	10,621.2	18,409.0	10,839.2	71.2	69.3	-113.78	7,898.8	314.9	540.9	408.9	132.01	4.098	
18,250.0	10,621.4	18,434.0	10,839.4	71.4	69.5	-113.78	7,923.8	314.8	540.9	408.6	132.38	4.086	
18,275.0	10,621.7	18,459.0	10,839.7	71.6	69.7	-113.78	7,948.8	314.8	541.0	408.2	132.76	4.075	
18,300.0	10,621.9	18,484.0	10,840.0	71.8	69.9	-113.78	7,973.8	314.8	541.0	407.8	133.13	4.063	
18,325.0	10,622.1	18,509.0	10,840.2	72.0	70.1	-113.78	7,998.8	314.8	541.0	407.5	133.51	4.052	
18,350.0	10,622.4	18,534.0	10,840.5	72.2	70.3	-113.79	8,023.8	314.7	541.0	407.1	133.88	4.041	
18,375.0	10,622.6	18,559.0	10,840.7	72.4	70.5	-113.79	8,048.8	314.7	541.0	406.7	134.26	4.029	
18,400.0	10,622.9	18,584.0	10,841.0	72.6	70.7	-113.79	8,073.8	314.7	541.0	406.3	134.63	4.018	
18,425.0	10,623.1	18,609.0	10,841.2	72.8	70.9	-113.79	8,098.8	314.6	541.0	406.0	135.01	4.007	
18,450.0	10,623.4	18,634.0	10,841.5	73.0	71.1	-113.79	8,123.8	314.6	541.0	405.6	135.39	3.996	
18,475.0	10,623.6	18,659.0	10,841.7	73.2	71.3	-113.79	8,148.8	314.6	541.0	405.2	135.76	3.985	
18,500.0	10,623.9	18,684.0	10,842.0	73.4	71.5	-113.79	8,173.8	314.6	541.0	404.8	136.14	3.974	
18,525.0	10,624.1	18,709.0	10,842.3	73.6	71.8	-113.79	8,198.8	314.5	541.0	404.5	136.52	3.963	
18,550.0	10,624.4	18,734.0	10,842.5	73.8	72.0	-113.79	8,223.8	314.5	541.0	404.1	136.89	3.952	
18,575.0	10,624.6	18,759.0	10,842.8	74.0	72.2	-113.79	8,248.8	314.5	541.0	403.7	137.27	3.941	
18,600.0	10,624.9	18,784.0	10,843.0	74.2	72.4	-113.79	8,273.8	314.4	541.0	403.4	137.65	3.930	
18,625.0	10,625.1	18,809.0	10,843.3	74.4	72.6	-113.80	8,298.8	314.4	541.0	403.0	138.02	3.920	
18,650.0	10,625.4	18,834.0	10,843.5	74.6	72.8	-113.80	8,323.8	314.4	541.0	402.6	138.40	3.909	
18,675.0	10,625.6	18,859.0	10,843.8	74.8	73.0	-113.80	8,348.8	314.3	541.0	402.2	138.78	3.898	
18,700.0	10,625.8	18,884.0	10,844.0	75.0	73.2	-113.80	8,373.8	314.3	541.0	401.9	139.16	3.888	
18,725.0	10,626.1	18,909.0	10,844.3	75.2	73.4	-113.80	8,398.8	314.3	541.0	401.5	139.53	3.877	
18,750.0	10,626.3	18,934.0	10,844.6	75.4	73.6	-113.80	8,423.8	314.3	541.0	401.1	139.91	3.867	
18,775.0	10,626.6	18,959.0	10,844.8	75.7	73.8	-113.80	8,448.8	314.2	541.0	400.7	140.29	3.857	
18,800.0	10,626.8	18,984.0	10,845.1	75.9	74.0	-113.80	8,473.8	314.2	541.0	400.4	140.67	3.846	
18,825.0	10,627.1	19,009.0	10,845.3	76.1	74.2	-113.80	8,498.8	314.2	541.0	400.0	141.04	3.836	
18,850.0	10,627.3	19,034.0	10,845.6	76.3	74.5	-113.80	8,523.8	314.1	541.0	399.6	141.42	3.826	
18,875.0	10,627.6	19,059.0	10,845.8	76.5	74.7	-113.80	8,548.8	314.1	541.0	399.2	141.80	3.815	
18,900.0	10,627.8	19,084.0	10,846.1	76.7	74.9	-113.81	8,573.8	314.1	541.0	398.9	142.18	3.805	
18,925.0	10,628.1	19,109.0	10,846.3	76.9	75.1	-113.81	8,598.8	314.1	541.0	398.5	142.56	3.795	
18,950.0	10,628.3	19,134.0	10,846.6	77.1	75.3	-113.81	8,623.8	314.0	541.1	398.1	142.94	3.785	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
18,975.0	10,628.6	19,159.0	10,846.9	77.3	75.5	-113.81	8,648.8	314.0	541.1	397.7	143.31	3.775	
19,000.0	10,628.8	19,184.0	10,847.1	77.5	75.7	-113.81	8,673.8	314.0	541.1	397.4	143.69	3.765	
19,025.0	10,629.0	19,209.0	10,847.4	77.7	75.9	-113.81	8,698.8	313.9	541.1	397.0	144.07	3.756	
19,050.0	10,629.3	19,234.0	10,847.6	77.9	76.1	-113.81	8,723.8	313.9	541.1	396.6	144.45	3.746	
19,075.0	10,629.5	19,259.0	10,847.9	78.1	76.3	-113.81	8,748.8	313.9	541.1	396.2	144.83	3.736	
19,100.0	10,629.8	19,284.0	10,848.1	78.3	76.5	-113.81	8,773.8	313.9	541.1	395.9	145.21	3.726	
19,125.0	10,630.0	19,309.0	10,848.4	78.5	76.8	-113.81	8,798.8	313.8	541.1	395.5	145.59	3.717	
19,150.0	10,630.3	19,334.0	10,848.6	78.7	77.0	-113.81	8,823.8	313.8	541.1	395.1	145.97	3.707	
19,175.0	10,630.5	19,359.0	10,848.9	78.9	77.2	-113.82	8,848.8	313.8	541.1	394.7	146.35	3.697	
19,200.0	10,630.8	19,384.0	10,849.2	79.1	77.4	-113.82	8,873.8	313.7	541.1	394.4	146.72	3.688	
19,225.0	10,631.0	19,409.0	10,849.4	79.3	77.6	-113.82	8,898.8	313.7	541.1	394.0	147.10	3.678	
19,250.0	10,631.3	19,434.0	10,849.7	79.5	77.8	-113.82	8,923.8	313.7	541.1	393.6	147.48	3.669	
19,275.0	10,631.5	19,459.0	10,849.9	79.7	78.0	-113.82	8,948.8	313.6	541.1	393.2	147.86	3.659	
19,300.0	10,631.8	19,484.0	10,850.2	79.9	78.2	-113.82	8,973.8	313.6	541.1	392.9	148.24	3.650	
19,325.0	10,632.0	19,509.0	10,850.4	80.1	78.4	-113.82	8,998.8	313.6	541.1	392.5	148.62	3.641	
19,350.0	10,632.2	19,534.0	10,850.7	80.3	78.6	-113.82	9,023.8	313.6	541.1	392.1	149.00	3.632	
19,375.0	10,632.5	19,559.0	10,850.9	80.5	78.8	-113.82	9,048.8	313.5	541.1	391.7	149.38	3.622	
19,400.0	10,632.7	19,584.0	10,851.2	80.7	79.0	-113.82	9,073.8	313.5	541.1	391.4	149.76	3.613	
19,425.0	10,633.0	19,609.0	10,851.5	81.0	79.3	-113.82	9,098.8	313.5	541.1	391.0	150.14	3.604	
19,450.0	10,633.2	19,634.0	10,851.7	81.2	79.5	-113.83	9,123.8	313.4	541.1	390.6	150.52	3.595	
19,475.0	10,633.5	19,659.0	10,852.0	81.4	79.7	-113.83	9,148.8	313.4	541.1	390.2	150.90	3.586	
19,500.0	10,633.7	19,684.0	10,852.2	81.6	79.9	-113.83	9,173.8	313.4	541.1	389.8	151.28	3.577	
19,525.0	10,634.0	19,709.0	10,852.5	81.8	80.1	-113.83	9,198.8	313.4	541.1	389.5	151.66	3.568	
19,550.0	10,634.2	19,734.0	10,852.7	82.0	80.3	-113.83	9,223.8	313.3	541.1	389.1	152.04	3.559	
19,575.0	10,634.5	19,759.0	10,853.0	82.2	80.5	-113.83	9,248.8	313.3	541.1	388.7	152.42	3.550	
19,600.0	10,634.7	19,784.0	10,853.2	82.4	80.7	-113.83	9,273.8	313.3	541.1	388.3	152.80	3.541	
19,625.0	10,635.0	19,809.0	10,853.5	82.6	80.9	-113.83	9,298.8	313.2	541.2	388.0	153.19	3.533	
19,650.0	10,635.2	19,834.0	10,853.8	82.8	81.1	-113.83	9,323.8	313.2	541.2	387.6	153.57	3.524	
19,675.0	10,635.4	19,859.0	10,854.0	83.0	81.4	-113.83	9,348.8	313.2	541.2	387.2	153.95	3.515	
19,700.0	10,635.7	19,884.0	10,854.3	83.2	81.6	-113.83	9,373.8	313.2	541.2	386.8	154.33	3.507	
19,725.0	10,635.9	19,909.0	10,854.5	83.4	81.8	-113.84	9,398.7	313.1	541.2	386.5	154.71	3.498	
19,750.0	10,636.2	19,934.0	10,854.8	83.6	82.0	-113.84	9,423.7	313.1	541.2	386.1	155.09	3.489	
19,775.0	10,636.4	19,959.0	10,855.0	83.8	82.2	-113.84	9,448.7	313.1	541.2	385.7	155.47	3.481	
19,800.0	10,636.7	19,984.0	10,855.3	84.0	82.4	-113.84	9,473.7	313.0	541.2	385.3	155.85	3.472	
19,825.0	10,636.9	20,009.0	10,855.5	84.2	82.6	-113.84	9,498.7	313.0	541.2	384.9	156.23	3.464	
19,850.0	10,637.2	20,034.0	10,855.8	84.4	82.8	-113.84	9,523.7	313.0	541.2	384.6	156.62	3.455	
19,875.0	10,637.4	20,059.0	10,856.0	84.6	83.0	-113.84	9,548.7	312.9	541.2	384.2	157.00	3.447	
19,900.0	10,637.7	20,084.0	10,856.3	84.8	83.2	-113.84	9,573.7	312.9	541.2	383.8	157.38	3.439	
19,925.0	10,637.9	20,109.0	10,856.6	85.1	83.4	-113.84	9,598.7	312.9	541.2	383.4	157.76	3.430	
19,950.0	10,638.2	20,134.0	10,856.8	85.3	83.7	-113.84	9,623.7	312.9	541.2	383.1	158.14	3.422	
19,975.0	10,638.4	20,159.0	10,857.1	85.5	83.9	-113.84	9,648.7	312.8	541.2	382.7	158.52	3.414	
20,000.0	10,638.6	20,184.0	10,857.3	85.7	84.1	-113.85	9,673.7	312.8	541.2	382.3	158.90	3.406	
20,025.0	10,638.9	20,209.0	10,857.6	85.9	84.3	-113.85	9,698.7	312.8	541.2	381.9	159.29	3.398	
20,050.0	10,639.1	20,234.0	10,857.8	86.1	84.5	-113.85	9,723.7	312.7	541.2	381.5	159.67	3.390	
20,075.0	10,639.4	20,259.0	10,858.1	86.3	84.7	-113.85	9,748.7	312.7	541.2	381.2	160.05	3.382	
20,100.0	10,639.6	20,284.0	10,858.3	86.5	84.9	-113.85	9,773.7	312.7	541.2	380.8	160.43	3.374	
20,125.0	10,639.9	20,309.0	10,858.6	86.7	85.1	-113.85	9,798.7	312.7	541.2	380.4	160.81	3.366	
20,150.0	10,640.1	20,334.0	10,858.9	86.9	85.3	-113.85	9,823.7	312.6	541.2	380.0	161.20	3.358	
20,175.0	10,640.4	20,359.0	10,859.1	87.1	85.5	-113.85	9,848.7	312.6	541.2	379.7	161.58	3.350	
20,200.0	10,640.6	20,384.0	10,859.4	87.3	85.8	-113.85	9,873.7	312.6	541.2	379.3	161.96	3.342	
20,225.0	10,640.9	20,409.0	10,859.6	87.5	86.0	-113.85	9,898.7	312.5	541.2	378.9	162.34	3.334	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,250.0	10,641.1	20,434.0	10,859.9	87.7	86.2	-113.85	9,923.7	312.5	541.2	378.5	162.73	3.326	
20,275.0	10,641.4	20,459.0	10,860.1	87.9	86.4	-113.85	9,948.7	312.5	541.2	378.1	163.11	3.318	
20,300.0	10,641.6	20,484.0	10,860.4	88.1	86.6	-113.86	9,973.7	312.5	541.2	377.8	163.49	3.311	
20,325.0	10,641.8	20,509.0	10,860.6	88.3	86.8	-113.86	9,998.7	312.4	541.3	377.4	163.87	3.303	
20,350.0	10,642.1	20,534.0	10,860.9	88.6	87.0	-113.86	10,023.7	312.4	541.3	377.0	164.26	3.295	
20,375.0	10,642.3	20,559.0	10,861.2	88.8	87.2	-113.86	10,048.7	312.4	541.3	376.6	164.64	3.288	
20,400.0	10,642.6	20,584.0	10,861.4	89.0	87.4	-113.86	10,073.7	312.3	541.3	376.2	165.02	3.280	
20,425.0	10,642.8	20,609.0	10,861.7	89.2	87.6	-113.86	10,098.7	312.3	541.3	375.9	165.41	3.272	
20,450.0	10,643.1	20,634.0	10,861.9	89.4	87.9	-113.86	10,123.7	312.3	541.3	375.5	165.79	3.265	
20,475.0	10,643.3	20,659.0	10,862.2	89.6	88.1	-113.86	10,148.7	312.2	541.3	375.1	166.17	3.257	
20,500.0	10,643.6	20,684.0	10,862.4	89.8	88.3	-113.86	10,173.7	312.2	541.3	374.7	166.55	3.250	
20,525.0	10,643.8	20,709.0	10,862.7	90.0	88.5	-113.86	10,198.7	312.2	541.3	374.3	166.94	3.242	
20,550.0	10,644.1	20,734.0	10,862.9	90.2	88.7	-113.86	10,223.7	312.2	541.3	374.0	167.32	3.235	
20,575.0	10,644.3	20,759.0	10,863.2	90.4	88.9	-113.87	10,248.7	312.1	541.3	373.6	167.70	3.228	
20,600.0	10,644.6	20,784.0	10,863.5	90.6	89.1	-113.87	10,273.7	312.1	541.3	373.2	168.09	3.220	
20,625.0	10,644.8	20,809.0	10,863.7	90.8	89.3	-113.87	10,298.7	312.1	541.3	372.8	168.47	3.213	
20,650.0	10,645.1	20,834.0	10,864.0	91.0	89.5	-113.87	10,323.7	312.0	541.3	372.4	168.85	3.206	
20,675.0	10,645.3	20,859.0	10,864.2	91.2	89.7	-113.87	10,348.7	312.0	541.3	372.1	169.24	3.198	
20,700.0	10,645.5	20,884.0	10,864.5	91.4	90.0	-113.87	10,373.7	312.0	541.3	371.7	169.62	3.191	
20,725.0	10,645.8	20,909.0	10,864.7	91.7	90.2	-113.87	10,398.7	312.0	541.3	371.3	170.00	3.184	
20,750.0	10,646.0	20,934.0	10,865.0	91.9	90.4	-113.87	10,423.7	311.9	541.3	370.9	170.39	3.177	
20,775.0	10,646.3	20,959.0	10,865.2	92.1	90.6	-113.87	10,448.7	311.9	541.3	370.5	170.77	3.170	
20,800.0	10,646.5	20,984.0	10,865.5	92.3	90.8	-113.87	10,473.7	311.9	541.3	370.2	171.16	3.163	
20,825.0	10,646.8	21,009.0	10,865.8	92.5	91.0	-113.87	10,498.7	311.8	541.3	369.8	171.54	3.156	
20,850.0	10,647.0	21,034.0	10,866.0	92.7	91.2	-113.88	10,523.7	311.8	541.3	369.4	171.92	3.149	
20,875.0	10,647.3	21,059.0	10,866.3	92.9	91.4	-113.88	10,548.7	311.8	541.3	369.0	172.31	3.142	
20,900.0	10,647.5	21,084.0	10,866.5	93.1	91.6	-113.88	10,573.7	311.8	541.3	368.6	172.69	3.135	
20,925.0	10,647.8	21,109.0	10,866.8	93.3	91.8	-113.88	10,598.7	311.7	541.3	368.3	173.07	3.128	
20,926.2	10,647.8	21,110.1	10,866.8	93.3	91.9	-113.88	10,599.9	311.7	541.3	368.2	173.09	3.127	
20,949.4	10,648.0	21,130.4	10,867.0	93.5	92.0	-113.88	10,620.1	311.7	541.4	368.0	173.39	3.122	
20,950.0	10,648.0	21,130.4	10,867.0	93.5	92.0	-113.88	10,620.1	311.7	541.4	368.0	173.39	3.122	
20,950.4	10,648.0	21,130.4	10,867.0	93.5	92.0	-113.88	10,620.1	311.7	541.4	368.0	173.39	3.122	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	-0.43	80.0	-0.6	80.0				
25.0	25.0	25.0	25.0	0.5	0.1	-0.43	80.0	-0.6	80.0				
50.0	50.0	50.0	50.0	0.5	0.3	-0.43	80.0	-0.6	80.0	78.7	1.28	62.357	
75.0	75.0	75.0	75.0	0.5	0.4	-0.43	80.0	-0.6	80.0	78.6	1.38	58.063	
100.0	100.0	100.0	100.0	0.5	0.5	-0.43	80.0	-0.6	80.0	78.5	1.50	53.480	
125.0	125.0	125.0	125.0	0.6	0.6	-0.43	80.0	-0.6	80.0	78.3	1.75	45.782	
150.0	150.0	150.0	150.0	0.8	0.8	-0.43	80.0	-0.6	80.0	78.0	2.00	40.022	
175.0	175.0	175.0	175.0	0.9	0.9	-0.43	80.0	-0.6	80.0	77.8	2.25	35.549	
200.0	200.0	200.0	200.0	1.0	1.0	-0.43	80.0	-0.6	80.0	77.5	2.50	31.975	
225.0	225.0	225.0	225.0	1.1	1.1	-0.43	80.0	-0.6	80.0	77.3	2.67	29.971	
250.0	250.0	250.0	250.0	1.2	1.2	-0.43	80.0	-0.6	80.0	77.2	2.84	28.203	
275.0	275.0	275.0	275.0	1.3	1.3	-0.43	80.0	-0.6	80.0	77.0	3.00	26.632	
300.0	300.0	300.0	300.0	1.4	1.4	-0.43	80.0	-0.6	80.0	76.8	3.17	25.227	
325.0	325.0	325.0	325.0	1.4	1.4	-0.43	80.0	-0.6	80.0	76.7	3.31	24.182	
350.0	350.0	350.0	350.0	1.5	1.5	-0.43	80.0	-0.6	80.0	76.6	3.45	23.220	
375.0	375.0	375.0	375.0	1.6	1.6	-0.43	80.0	-0.6	80.0	76.4	3.58	22.331	
400.0	400.0	400.0	400.0	1.6	1.6	-0.43	80.0	-0.6	80.0	76.3	3.72	21.508	
425.0	425.0	425.0	425.0	1.7	1.7	-0.43	80.0	-0.6	80.0	76.2	3.84	20.835	
450.0	450.0	450.0	450.0	1.8	1.8	-0.43	80.0	-0.6	80.0	76.0	3.96	20.202	
475.0	475.0	475.0	475.0	1.8	1.8	-0.43	80.0	-0.6	80.0	75.9	4.08	19.606	
500.0	500.0	500.0	500.0	1.9	1.9	-0.43	80.0	-0.6	80.0	75.8	4.20	19.045	
525.0	525.0	525.0	525.0	1.9	1.9	-0.43	80.0	-0.6	80.0	75.7	4.31	18.561	
550.0	550.0	550.0	550.0	2.0	2.0	-0.43	80.0	-0.6	80.0	75.6	4.42	18.102	
575.0	575.0	575.0	575.0	2.1	2.1	-0.43	80.0	-0.6	80.0	75.5	4.53	17.665	
600.0	600.0	600.0	600.0	2.1	2.1	-0.43	80.0	-0.6	80.0	75.4	4.64	17.248	
625.0	625.0	625.0	625.0	2.2	2.2	-0.43	80.0	-0.6	80.0	75.3	4.74	16.879	
650.0	650.0	650.0	650.0	2.2	2.2	-0.43	80.0	-0.6	80.0	75.2	4.84	16.525	
675.0	675.0	675.0	675.0	2.3	2.3	-0.43	80.0	-0.6	80.0	75.1	4.94	16.185	
700.0	700.0	700.0	700.0	2.3	2.3	-0.43	80.0	-0.6	80.0	75.0	5.04	15.859	
725.0	725.0	725.0	725.0	2.4	2.4	-0.43	80.0	-0.6	80.0	74.9	5.14	15.564	
750.0	750.0	750.0	750.0	2.4	2.4	-0.43	80.0	-0.6	80.0	74.8	5.24	15.279	
775.0	775.0	775.0	775.0	2.5	2.5	-0.43	80.0	-0.6	80.0	74.7	5.33	15.005	
800.0	800.0	800.0	800.0	2.5	2.5	-0.43	80.0	-0.6	80.0	74.6	5.43	14.740	
825.0	825.0	825.0	825.0	2.6	2.6	-0.43	80.0	-0.6	80.0	74.5	5.52	14.497	
850.0	850.0	850.0	850.0	2.6	2.6	-0.43	80.0	-0.6	80.0	74.4	5.61	14.261	
875.0	875.0	875.0	875.0	2.6	2.6	-0.43	80.0	-0.6	80.0	74.3	5.70	14.034	
900.0	900.0	900.0	900.0	2.7	2.7	-0.43	80.0	-0.6	80.0	74.2	5.79	13.813	
925.0	925.0	925.0	925.0	2.7	2.7	-0.43	80.0	-0.6	80.0	74.1	5.88	13.607	
950.0	950.0	950.0	950.0	2.8	2.8	-0.43	80.0	-0.6	80.0	74.0	5.97	13.408	
975.0	975.0	975.0	975.0	2.8	2.8	-0.43	80.0	-0.6	80.0	73.9	6.05	13.215	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	-0.43	80.0	-0.6	80.0	73.9	6.14	13.026	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	-0.43	80.0	-0.6	80.0	73.8	6.23	12.850	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	-0.43	80.0	-0.6	80.0	73.7	6.31	12.678	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	-0.43	80.0	-0.6	80.0	73.6	6.39	12.511	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	-0.43	80.0	-0.6	80.0	73.5	6.48	12.348	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	-0.43	80.0	-0.6	80.0	73.4	6.56	12.194	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	-0.43	80.0	-0.6	80.0	73.4	6.64	12.044	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	-0.43	80.0	-0.6	80.0	73.3	6.72	11.898	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	-0.43	80.0	-0.6	80.0	73.2	6.81	11.755	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	-0.43	80.0	-0.6	80.0	73.1	6.89	11.619	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	-0.43	80.0	-0.6	80.0	73.0	6.97	11.486	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-r.5 MWD+IFR1+SAG+FDIR

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	-0.43	80.0	-0.6	80.0	73.0	7.04	11.356	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-0.43	80.0	-0.6	80.0	72.9	7.12	11.230	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	-0.43	80.0	-0.6	80.0	72.8	7.20	11.108	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	-0.43	80.0	-0.6	80.0	72.7	7.28	10.990	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	-0.43	80.0	-0.6	80.0	72.6	7.36	10.874	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-0.43	80.0	-0.6	80.0	72.6	7.44	10.760	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	-0.43	80.0	-0.6	80.0	72.5	7.51	10.651	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	-0.43	80.0	-0.6	80.0	72.4	7.59	10.545	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	-0.43	80.0	-0.6	80.0	72.3	7.66	10.440	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	-0.43	80.0	-0.6	80.0	72.3	7.74	10.337	
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	-0.43	80.0	-0.6	80.0	72.2	7.81	10.239	
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	-0.43	80.0	-0.6	80.0	72.1	7.89	10.142	
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	-0.43	80.0	-0.6	80.0	72.0	7.96	10.047	
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	-0.43	80.0	-0.6	80.0	72.0	8.04	9.954	
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	-0.43	80.0	-0.6	80.0	71.9	8.11	9.864	
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	-0.43	80.0	-0.6	80.0	71.8	8.18	9.775	
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	-0.43	80.0	-0.6	80.0	71.7	8.26	9.689	
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	-0.43	80.0	-0.6	80.0	71.7	8.33	9.603	
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	-0.43	80.0	-0.6	80.0	71.6	8.40	9.521	
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	-0.43	80.0	-0.6	80.0	71.5	8.48	9.440	
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	-0.43	80.0	-0.6	80.0	71.5	8.55	9.360	
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	-0.43	80.0	-0.6	80.0	71.4	8.62	9.282	
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	-0.43	80.0	-0.6	80.0	71.3	8.69	9.206	
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	-0.43	80.0	-0.6	80.0	71.2	8.76	9.131	
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	-0.43	80.0	-0.6	80.0	71.2	8.83	9.057	
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	-0.43	80.0	-0.6	80.0	71.1	8.90	8.985	
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	-0.43	80.0	-0.6	80.0	71.0	8.97	8.915	
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	-0.43	80.0	-0.6	80.0	71.0	9.04	8.846	
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	-0.43	80.0	-0.6	80.0	70.9	9.11	8.777	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-0.43	80.0	-0.6	80.0	70.8	9.18	8.710 CC	
2,025.0	2,025.0	2,024.6	2,024.6	4.5	4.4	-0.49	80.1	-0.7	80.1	70.8	9.27	8.637 ES	
2,050.0	2,050.0	2,049.2	2,049.2	4.5	4.5	-0.67	80.2	-0.9	80.3	70.9	9.36	8.578	
2,075.0	2,075.0	2,073.8	2,073.8	4.6	4.5	-0.98	80.6	-1.4	80.6	71.1	9.44	8.534	
2,100.0	2,100.0	2,098.4	2,098.3	4.6	4.6	-1.40	81.0	-2.0	81.0	71.5	9.53	8.504	
2,125.0	2,125.0	2,122.9	2,122.9	4.7	4.6	-1.93	81.5	-2.7	81.6	72.0	9.61	8.487	
2,150.0	2,150.0	2,147.5	2,147.4	4.7	4.7	-2.57	82.2	-3.7	82.3	72.6	9.70	8.484	
2,175.0	2,175.0	2,172.0	2,171.9	4.7	4.7	-3.31	83.0	-4.8	83.2	73.4	9.79	8.495	
2,200.0	2,200.0	2,196.5	2,196.3	4.8	4.8	-4.15	83.9	-6.1	84.2	74.3	9.88	8.521	
2,225.0	2,225.0	2,220.9	2,220.7	4.8	4.8	-5.07	84.9	-7.5	85.4	75.4	9.97	8.563	
2,250.0	2,250.0	2,245.4	2,245.1	4.8	4.9	-6.07	86.1	-9.2	86.7	76.6	10.06	8.619	
2,275.0	2,275.0	2,269.8	2,269.4	4.9	5.0	-7.14	87.4	-10.9	88.2	78.1	10.15	8.690	
2,300.0	2,300.0	2,294.1	2,293.6	4.9	5.0	-8.27	88.7	-12.9	89.9	79.7	10.24	8.777	
2,325.0	2,325.0	2,318.5	2,317.8	5.0	5.1	-9.44	90.2	-15.0	91.8	81.4	10.34	8.879	
2,350.0	2,350.0	2,342.7	2,341.9	5.0	5.2	-10.66	91.9	-17.3	93.8	83.4	10.43	8.997	
2,375.0	2,375.0	2,366.9	2,365.9	5.0	5.2	-11.90	93.6	-19.7	96.1	85.6	10.52	9.131	
2,400.0	2,400.0	2,391.1	2,389.9	5.1	5.3	-13.17	95.4	-22.3	98.5	87.9	10.62	9.281	
2,425.0	2,425.0	2,415.6	2,414.2	5.1	5.4	-14.45	97.4	-25.1	101.2	90.5	10.71	9.449	
2,450.0	2,450.0	2,440.4	2,438.7	5.1	5.4	-15.68	99.4	-27.9	103.9	93.1	10.80	9.620	
2,475.0	2,475.0	2,465.2	2,463.2	5.2	5.5	-16.85	101.4	-30.7	106.6	95.7	10.89	9.793	
2,500.0	2,500.0	2,489.9	2,487.7	5.2	5.5	-17.96	103.4	-33.5	109.4	98.4	10.98	9.966	
2,525.0	2,525.0	2,514.7	2,512.2	5.3	5.6	-101.87	105.4	-36.3	112.2	101.2	11.07	10.139	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	2,550.0	2,539.4	2,536.7	5.3	5.7	-102.98	107.4	-39.1	115.2	104.0	11.16	10.315	
2,575.0	2,575.0	2,564.1	2,561.2	5.3	5.7	-104.12	109.4	-41.9	118.2	106.9	11.26	10.497	
2,600.0	2,600.0	2,588.7	2,585.6	5.4	5.8	-105.30	111.4	-44.7	121.3	110.0	11.36	10.685	
2,625.0	2,625.0	2,613.4	2,610.0	5.4	5.8	-106.51	113.4	-47.5	124.6	113.1	11.45	10.876	
2,650.0	2,649.9	2,638.0	2,634.4	5.4	5.9	-107.75	115.3	-50.3	128.0	116.4	11.56	11.073	
2,675.0	2,674.9	2,662.6	2,658.7	5.5	6.0	-109.01	117.3	-53.1	131.5	119.8	11.66	11.276	
2,700.0	2,699.8	2,687.1	2,683.0	5.5	6.1	-110.28	119.3	-55.9	135.1	123.4	11.76	11.487	
2,725.0	2,724.8	2,711.6	2,707.3	5.5	6.1	-111.56	121.3	-58.7	138.9	127.0	11.87	11.703	
2,750.0	2,749.7	2,736.0	2,731.5	5.6	6.2	-112.84	123.3	-61.5	142.9	130.9	11.98	11.925	
2,775.0	2,774.6	2,760.5	2,755.7	5.6	6.3	-114.13	125.2	-64.2	147.0	134.9	12.09	12.155	
2,800.0	2,799.5	2,784.8	2,779.8	5.7	6.3	-115.41	127.2	-67.0	151.3	139.1	12.21	12.393	
2,825.0	2,824.3	2,809.2	2,803.9	5.7	6.4	-116.69	129.1	-69.8	155.7	143.4	12.33	12.637	
2,850.0	2,849.1	2,833.5	2,827.9	5.7	6.5	-117.96	131.1	-72.5	160.4	147.9	12.45	12.887	
2,875.0	2,873.9	2,857.7	2,851.9	5.8	6.6	-119.21	133.1	-75.3	165.2	152.7	12.57	13.146	
2,900.0	2,898.7	2,881.9	2,875.9	5.9	6.7	-120.44	135.0	-78.0	170.3	157.6	12.69	13.414	
2,925.0	2,923.4	2,906.0	2,899.8	5.9	6.7	-121.66	137.0	-80.7	175.5	162.7	12.82	13.688	
2,950.0	2,948.2	2,930.1	2,923.6	6.0	6.8	-122.86	138.9	-83.5	180.9	168.0	12.95	13.968	
2,975.0	2,972.8	2,954.1	2,947.4	6.1	6.9	-124.04	140.8	-86.2	186.5	173.5	13.08	14.257	
3,000.0	2,997.5	2,978.1	2,971.1	6.1	7.0	-125.19	142.8	-88.9	192.4	179.2	13.22	14.555	
3,025.0	3,022.1	3,002.0	2,994.8	6.2	7.0	-126.31	144.7	-91.6	198.4	185.1	13.36	14.857	
3,050.0	3,046.6	3,025.8	3,018.4	6.3	7.1	-127.41	146.6	-94.3	204.7	191.2	13.50	15.166	
3,075.0	3,071.1	3,049.6	3,042.0	6.4	7.2	-128.49	148.5	-97.0	211.2	197.5	13.64	15.483	
3,100.0	3,095.6	3,073.3	3,065.4	6.5	7.3	-129.53	150.4	-99.7	217.8	204.0	13.78	15.808	
3,125.0	3,120.1	3,097.0	3,088.9	6.5	7.4	-130.64	152.4	-102.4	224.7	210.8	13.92	16.142	
3,150.0	3,144.5	3,120.7	3,112.4	6.6	7.5	-131.68	154.3	-105.1	231.6	217.5	14.06	16.472	
3,175.0	3,169.0	3,144.4	3,135.8	6.7	7.5	-132.67	156.2	-107.8	238.6	224.4	14.20	16.799	
3,200.0	3,193.4	3,168.0	3,159.3	6.8	7.6	-133.60	158.1	-110.5	245.6	231.3	14.34	17.124	
3,225.0	3,217.9	3,191.7	3,182.7	6.8	7.7	-134.48	160.0	-113.2	252.7	238.2	14.49	17.444	
3,250.0	3,242.3	3,215.5	3,206.3	6.9	7.8	-135.31	161.9	-115.9	259.8	245.2	14.62	17.771	
3,275.0	3,266.8	3,240.4	3,230.9	7.0	7.9	-136.14	163.9	-118.6	267.0	252.2	14.78	18.063	
3,300.0	3,291.3	3,265.3	3,255.6	7.1	8.0	-136.92	165.8	-121.3	274.1	259.1	14.94	18.344	
3,325.0	3,315.7	3,290.3	3,280.4	7.1	8.1	-137.67	167.6	-123.9	281.1	266.0	15.10	18.611	
3,350.0	3,340.2	3,315.3	3,305.2	7.2	8.1	-138.38	169.4	-126.4	288.0	272.8	15.26	18.872	
3,375.0	3,364.6	3,340.4	3,330.1	7.3	8.2	-139.06	171.2	-128.9	294.9	279.5	15.42	19.126	
3,400.0	3,389.1	3,365.6	3,355.1	7.4	8.3	-139.70	172.8	-131.2	301.7	286.1	15.58	19.370	
3,425.0	3,413.5	3,390.8	3,380.2	7.5	8.4	-140.33	174.5	-133.5	308.5	292.7	15.74	19.601	
3,450.0	3,438.0	3,416.1	3,405.3	7.5	8.5	-140.93	176.0	-135.7	315.1	299.2	15.90	19.823	
3,475.0	3,462.4	3,441.4	3,430.5	7.6	8.6	-141.50	177.5	-137.8	321.7	305.7	16.06	20.036	
3,500.0	3,486.9	3,466.8	3,455.8	7.7	8.7	-142.06	178.9	-139.8	328.2	312.0	16.22	20.240	
3,525.0	3,511.3	3,492.3	3,481.2	7.8	8.8	-142.59	180.3	-141.7	334.6	318.3	16.38	20.431	
3,550.0	3,535.8	3,517.8	3,506.6	7.9	8.9	-143.11	181.6	-143.6	341.0	324.5	16.54	20.615	
3,575.0	3,560.2	3,543.3	3,532.1	8.0	8.9	-143.61	182.9	-145.3	347.3	330.6	16.70	20.792	
3,600.0	3,584.7	3,569.0	3,557.6	8.1	9.0	-144.10	184.0	-147.0	353.4	336.6	16.86	20.959	
3,625.0	3,609.2	3,594.6	3,583.2	8.1	9.1	-144.57	185.2	-148.6	359.5	342.5	17.03	21.115	
3,650.0	3,633.6	3,620.4	3,608.9	8.2	9.2	-145.03	186.2	-150.0	365.5	348.3	17.19	21.266	
3,675.0	3,658.1	3,646.2	3,634.6	8.3	9.3	-145.48	187.2	-151.4	371.4	354.1	17.35	21.410	
3,700.0	3,682.5	3,672.0	3,660.4	8.4	9.4	-145.92	188.1	-152.7	377.3	359.7	17.51	21.546	
3,725.0	3,707.0	3,697.9	3,686.2	8.5	9.5	-146.35	189.0	-153.9	383.0	365.3	17.67	21.671	
3,750.0	3,731.4	3,723.8	3,712.1	8.6	9.5	-146.76	189.8	-155.1	388.6	370.8	17.83	21.794	
3,775.0	3,755.9	3,749.8	3,738.1	8.7	9.6	-147.17	190.5	-156.1	394.2	376.2	17.99	21.910	
3,800.0	3,780.3	3,775.8	3,764.1	8.8	9.7	-147.57	191.2	-157.0	399.7	381.5	18.15	22.019	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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	3,804.8	3,801.9	3,790.2	8.9	9.8	-147.97	191.8	-157.8	405.0	386.7	18.31	22.118	
3,850.0	3,829.2	3,828.1	3,816.3	9.0	9.9	-148.35	192.3	-158.6	410.3	391.8	18.47	22.219	
3,875.0	3,853.7	3,854.2	3,842.4	9.1	9.9	-148.73	192.7	-159.2	415.5	396.9	18.62	22.312	
3,900.0	3,878.1	3,880.4	3,868.7	9.2	10.0	-149.11	193.1	-159.8	420.6	401.8	18.78	22.399	
3,925.0	3,902.6	3,906.7	3,894.9	9.3	10.1	-149.48	193.4	-160.2	425.6	406.6	18.93	22.481	
3,950.0	3,927.1	3,933.0	3,921.2	9.4	10.1	-149.84	193.7	-160.5	430.5	411.4	19.07	22.570	
3,975.0	3,951.5	3,959.4	3,947.6	9.5	10.2	-150.20	193.9	-160.8	435.3	416.1	19.22	22.652	
4,000.0	3,976.0	3,985.7	3,973.9	9.6	10.3	-150.56	194.0	-160.9	440.0	420.6	19.36	22.728	
4,025.0	4,000.4	4,012.2	4,000.4	9.7	10.3	-150.91	194.0	-161.0	444.6	425.1	19.49	22.818	
4,050.0	4,024.9	4,036.7	4,024.9	9.8	10.3	-151.23	194.0	-161.0	449.2	429.6	19.59	22.926	
4,075.0	4,049.3	4,061.1	4,049.3	9.9	10.4	-151.55	194.0	-161.0	453.8	434.1	19.70	23.033	
4,100.0	4,073.8	4,085.6	4,073.8	10.0	10.4	-151.85	194.0	-161.0	458.4	438.6	19.81	23.139	
4,125.0	4,098.2	4,110.0	4,098.2	10.1	10.4	-152.16	194.0	-161.0	463.0	443.1	19.92	23.244	
4,150.0	4,122.7	4,134.5	4,122.7	10.2	10.4	-152.45	194.0	-161.0	467.6	447.6	20.03	23.350	
4,175.0	4,147.1	4,158.9	4,147.1	10.3	10.4	-152.74	194.0	-161.0	472.2	452.1	20.13	23.455	
4,200.0	4,171.6	4,183.4	4,171.6	10.4	10.5	-153.03	194.0	-161.0	476.9	456.6	20.24	23.559	
4,225.0	4,196.0	4,207.9	4,196.0	10.5	10.5	-153.31	194.0	-161.0	481.5	461.2	20.35	23.660	
4,250.0	4,220.5	4,232.3	4,220.5	10.6	10.5	-153.58	194.0	-161.0	486.2	465.7	20.46	23.759	
4,275.0	4,244.9	4,256.8	4,244.9	10.7	10.5	-153.85	194.0	-161.0	490.9	470.3	20.58	23.857	
4,300.0	4,269.4	4,281.2	4,269.4	10.8	10.5	-154.11	194.0	-161.0	495.6	474.9	20.69	23.954	
4,325.0	4,293.9	4,305.7	4,293.9	10.9	10.6	-154.37	194.0	-161.0	500.3	479.5	20.80	24.049	
4,350.0	4,318.3	4,330.1	4,318.3	11.0	10.6	-154.63	194.0	-161.0	505.0	484.1	20.92	24.142	
4,375.0	4,342.8	4,354.6	4,342.8	11.1	10.6	-154.87	194.0	-161.0	509.7	488.7	21.03	24.234	
4,400.0	4,367.2	4,379.0	4,367.2	11.2	10.6	-155.12	194.0	-161.0	514.4	493.3	21.15	24.324	
4,425.0	4,391.7	4,403.5	4,391.7	11.3	10.6	-155.36	194.0	-161.0	519.2	497.9	21.27	24.412	
4,450.0	4,416.1	4,427.9	4,416.1	11.4	10.6	-155.60	194.0	-161.0	523.9	502.5	21.39	24.499	
4,475.0	4,440.6	4,452.4	4,440.6	11.5	10.7	-155.83	194.0	-161.0	528.7	507.2	21.50	24.585	
4,500.0	4,465.0	4,476.8	4,465.0	11.6	10.7	-156.06	194.0	-161.0	533.4	511.8	21.62	24.670	
4,525.0	4,489.5	4,501.3	4,489.5	11.7	10.7	-156.28	194.0	-161.0	538.2	516.5	21.74	24.752	
4,550.0	4,513.9	4,525.7	4,513.9	11.8	10.7	-156.50	194.0	-161.0	543.0	521.1	21.87	24.833	
4,575.0	4,538.4	4,550.2	4,538.4	11.9	10.7	-156.72	194.0	-161.0	547.8	525.8	21.99	24.913	
4,600.0	4,562.8	4,574.7	4,562.8	12.0	10.8	-156.93	194.0	-161.0	552.6	530.5	22.11	24.992	
4,625.0	4,587.3	4,599.1	4,587.3	12.1	10.8	-157.14	194.0	-161.0	557.4	535.1	22.23	25.069	
4,650.0	4,611.8	4,623.6	4,611.8	12.2	10.8	-157.34	194.0	-161.0	562.2	539.8	22.36	25.144	
4,675.0	4,636.2	4,648.0	4,636.2	12.3	10.8	-157.54	194.0	-161.0	567.0	544.5	22.48	25.219	
4,700.0	4,660.7	4,672.5	4,660.7	12.4	10.8	-157.74	194.0	-161.0	571.8	549.2	22.61	25.292	
4,725.0	4,685.1	4,696.9	4,685.1	12.6	10.9	-157.94	194.0	-161.0	576.6	553.9	22.73	25.364	
4,750.0	4,709.6	4,721.4	4,709.6	12.7	10.9	-158.13	194.0	-161.0	581.5	558.6	22.86	25.434	
4,775.0	4,734.0	4,745.8	4,734.0	12.8	10.9	-158.32	194.0	-161.0	586.3	563.3	22.99	25.504	
4,800.0	4,758.5	4,770.3	4,758.5	12.9	10.9	-158.50	194.0	-161.0	591.2	568.1	23.12	25.572	
4,825.0	4,782.9	4,794.7	4,782.9	13.0	10.9	-158.69	194.0	-161.0	596.0	572.8	23.25	25.639	
4,850.0	4,807.4	4,819.2	4,807.4	13.1	11.0	-158.86	194.0	-161.0	600.9	577.5	23.38	25.705	
4,875.0	4,831.8	4,843.6	4,831.8	13.2	11.0	-159.04	194.0	-161.0	605.7	582.2	23.51	25.770	
4,900.0	4,856.3	4,868.1	4,856.3	13.3	11.0	-159.22	194.0	-161.0	610.6	587.0	23.64	25.833	
4,925.0	4,880.7	4,892.6	4,880.7	13.4	11.0	-159.39	194.0	-161.0	615.5	591.7	23.77	25.896	
4,950.0	4,905.2	4,917.0	4,905.2	13.5	11.0	-159.56	194.0	-161.0	620.4	596.5	23.90	25.957	
4,975.0	4,929.7	4,941.5	4,929.7	13.6	11.0	-159.72	194.0	-161.0	625.3	601.2	24.03	26.017	
5,000.0	4,954.1	4,965.9	4,954.1	13.8	11.1	-159.88	194.0	-161.0	630.1	606.0	24.16	26.077	
5,025.0	4,978.6	4,990.4	4,978.6	13.9	11.1	-160.05	194.0	-161.0	635.0	610.7	24.30	26.135	
5,050.0	5,003.0	5,014.8	5,003.0	14.0	11.1	-160.20	194.0	-161.0	639.9	615.5	24.43	26.192	
5,075.0	5,027.5	5,039.3	5,027.5	14.1	11.1	-160.36	194.0	-161.0	644.8	620.3	24.57	26.248	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
5,100.0	5,051.9	5,063.7	5,051.9	14.2	11.1	-160.51	194.0	-161.0	649.8	625.1	24.70	26.304	
5,125.0	5,076.4	5,088.2	5,076.4	14.3	11.2	-160.66	194.0	-161.0	654.7	629.8	24.84	26.358	
5,150.0	5,100.8	5,112.6	5,100.8	14.4	11.2	-160.81	194.0	-161.0	659.6	634.6	24.97	26.411	
5,175.0	5,125.3	5,137.1	5,125.3	14.5	11.2	-160.96	194.0	-161.0	664.5	639.4	25.11	26.464	
5,200.0	5,149.7	5,161.5	5,149.7	14.6	11.2	-161.11	194.0	-161.0	669.4	644.2	25.25	26.516	
5,225.0	5,174.2	5,186.0	5,174.2	14.7	11.2	-161.25	194.0	-161.0	674.4	649.0	25.38	26.566	
5,250.0	5,198.6	5,210.5	5,198.6	14.9	11.3	-161.39	194.0	-161.0	679.3	653.8	25.52	26.616	
5,275.0	5,223.1	5,234.9	5,223.1	15.0	11.3	-161.53	194.0	-161.0	684.2	658.6	25.66	26.665	
5,300.0	5,247.6	5,259.4	5,247.6	15.1	11.3	-161.66	194.0	-161.0	689.2	663.4	25.80	26.713	
5,325.0	5,272.0	5,283.8	5,272.0	15.2	11.3	-161.80	194.0	-161.0	694.1	668.2	25.94	26.760	
5,350.0	5,296.5	5,308.3	5,296.5	15.3	11.3	-161.93	194.0	-161.0	699.1	673.0	26.08	26.807	
5,375.0	5,320.9	5,332.7	5,320.9	15.4	11.4	-162.06	194.0	-161.0	704.0	677.8	26.22	26.853	
5,400.0	5,345.4	5,357.2	5,345.4	15.5	11.4	-162.19	194.0	-161.0	709.0	682.6	26.36	26.898	
5,425.0	5,369.8	5,381.6	5,369.8	15.6	11.4	-162.32	194.0	-161.0	713.9	687.5	26.50	26.942	
5,450.0	5,394.3	5,406.1	5,394.3	15.7	11.4	-162.44	194.0	-161.0	718.9	692.3	26.64	26.985	
5,475.0	5,418.7	5,430.5	5,418.7	15.9	11.4	-162.57	194.0	-161.0	723.9	697.1	26.78	27.028	
5,500.0	5,443.2	5,455.0	5,443.2	16.0	11.5	-162.69	194.0	-161.0	728.9	701.9	26.92	27.070	
5,525.0	5,467.6	5,479.4	5,467.6	16.1	11.5	-162.81	194.0	-161.0	733.8	706.8	27.07	27.112	
5,550.0	5,492.1	5,503.9	5,492.1	16.2	11.5	-162.93	194.0	-161.0	738.8	711.6	27.21	27.152	
5,575.0	5,516.5	5,528.4	5,516.5	16.3	11.5	-163.05	194.0	-161.0	743.8	716.4	27.35	27.192	
5,600.0	5,541.0	5,552.8	5,541.0	16.4	11.5	-163.16	194.0	-161.0	748.8	721.3	27.50	27.232	
5,625.0	5,565.5	5,577.3	5,565.5	16.5	11.5	-163.28	194.0	-161.0	753.7	726.1	27.64	27.271	
5,650.0	5,589.9	5,601.7	5,589.9	16.6	11.6	-163.39	194.0	-161.0	758.7	731.0	27.78	27.309	
5,675.0	5,614.4	5,626.2	5,614.4	16.8	11.6	-163.50	194.0	-161.0	763.7	735.8	27.93	27.346	
5,700.0	5,638.8	5,650.6	5,638.8	16.9	11.6	-163.61	194.0	-161.0	768.7	740.6	28.07	27.383	
5,725.0	5,663.3	5,675.1	5,663.3	17.0	11.6	-163.72	194.0	-161.0	773.7	745.5	28.22	27.419	
5,750.0	5,687.7	5,699.5	5,687.7	17.1	11.6	-163.83	194.0	-161.0	778.7	750.4	28.36	27.455	
5,775.0	5,712.2	5,724.0	5,712.2	17.2	11.7	-163.93	194.0	-161.0	783.7	755.2	28.51	27.490	
5,800.0	5,736.6	5,748.4	5,736.6	17.3	11.7	-164.04	194.0	-161.0	788.7	760.1	28.65	27.525	
5,825.0	5,761.1	5,772.9	5,761.1	17.4	11.7	-164.14	194.0	-161.0	793.7	764.9	28.80	27.559	
5,850.0	5,785.5	5,797.3	5,785.5	17.5	11.7	-164.24	194.0	-161.0	798.7	769.8	28.95	27.592	
5,875.0	5,810.0	5,821.8	5,810.0	17.7	11.7	-164.34	194.0	-161.0	803.7	774.7	29.09	27.625	
5,900.0	5,834.4	5,846.3	5,834.4	17.8	11.8	-164.44	194.0	-161.0	808.8	779.5	29.24	27.658	
5,925.0	5,858.9	5,870.7	5,858.9	17.9	11.8	-164.54	194.0	-161.0	813.8	784.4	29.39	27.690	
5,950.0	5,883.3	5,895.2	5,883.3	18.0	11.8	-164.64	194.0	-161.0	818.8	789.3	29.54	27.721	
5,975.0	5,907.8	5,919.6	5,907.8	18.1	11.8	-164.73	194.0	-161.0	823.8	794.1	29.68	27.752	
6,000.0	5,932.3	5,944.1	5,932.3	18.2	11.8	-164.83	194.0	-161.0	828.8	799.0	29.83	27.783	
6,025.0	5,956.7	5,968.5	5,956.7	18.3	11.9	-164.92	194.0	-161.0	833.9	803.9	29.98	27.813	
6,050.0	5,981.2	5,993.0	5,981.2	18.5	11.9	-165.01	194.0	-161.0	838.9	808.8	30.13	27.842	
6,075.0	6,005.6	6,017.4	6,005.6	18.6	11.9	-165.10	194.0	-161.0	843.9	813.6	30.28	27.871	
6,100.0	6,030.1	6,041.9	6,030.1	18.7	11.9	-165.19	194.0	-161.0	849.0	818.5	30.43	27.900	
6,125.0	6,054.5	6,066.3	6,054.5	18.8	11.9	-165.28	194.0	-161.0	854.0	823.4	30.58	27.928	
6,150.0	6,079.0	6,090.8	6,079.0	18.9	12.0	-165.37	194.0	-161.0	859.0	828.3	30.73	27.956	
6,175.0	6,103.4	6,115.2	6,103.4	19.0	12.0	-165.46	194.0	-161.0	864.1	833.2	30.88	27.983	
6,200.0	6,127.9	6,139.7	6,127.9	19.1	12.0	-165.54	194.0	-161.0	869.1	838.1	31.03	28.010	
6,225.0	6,152.3	6,164.1	6,152.3	19.3	12.0	-165.63	194.0	-161.0	874.1	843.0	31.18	28.037	
6,250.0	6,176.8	6,188.6	6,176.8	19.4	12.0	-165.71	194.0	-161.0	879.2	847.8	31.33	28.063	
6,275.0	6,201.2	6,213.1	6,201.2	19.5	12.1	-165.79	194.0	-161.0	884.2	852.7	31.48	28.089	
6,300.0	6,225.7	6,237.5	6,225.7	19.6	12.1	-165.88	194.0	-161.0	889.3	857.6	31.63	28.114	
6,325.0	6,250.2	6,262.0	6,250.2	19.7	12.1	-165.96	194.0	-161.0	894.3	862.5	31.78	28.143	
6,350.0	6,274.6	6,286.4	6,274.6	19.8	12.1	-166.04	194.0	-161.0	899.4	867.4	31.92	28.172	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
6,367.7	6,291.9	6,303.7	6,291.9	19.9	12.1	-166.09	194.0	-161.0	902.9	870.9	32.03	28.191	
6,375.0	6,299.1	6,310.9	6,299.1	19.9	12.1	-166.12	194.0	-161.0	904.4	872.3	32.07	28.200	
6,400.0	6,323.5	6,335.4	6,323.5	20.0	12.1	-166.22	194.0	-161.0	909.3	877.1	32.21	28.228	
6,425.0	6,348.1	6,359.9	6,348.1	20.2	12.2	-166.31	194.0	-161.0	914.1	881.7	32.37	28.243	
6,450.0	6,372.6	6,384.4	6,372.6	20.3	12.2	-166.39	194.0	-161.0	918.7	886.2	32.52	28.253	
6,475.0	6,397.2	6,409.0	6,397.2	20.4	12.2	-166.48	194.0	-161.0	923.2	890.5	32.67	28.259	
6,500.0	6,421.8	6,433.6	6,421.8	20.5	12.2	-166.56	194.0	-161.0	927.5	894.7	32.82	28.259	
6,525.0	6,446.4	6,458.2	6,446.4	20.6	12.2	-166.63	194.0	-161.0	931.7	898.7	32.97	28.259	
6,550.0	6,471.1	6,482.9	6,471.1	20.7	12.3	-166.70	194.0	-161.0	935.7	902.5	33.12	28.253	
6,575.0	6,495.8	6,507.6	6,495.8	20.8	12.3	-166.77	194.0	-161.0	939.5	906.2	33.26	28.243	
6,600.0	6,520.5	6,532.3	6,520.5	20.9	12.3	-166.84	194.0	-161.0	943.2	909.8	33.41	28.228	
6,625.0	6,545.2	6,557.0	6,545.2	21.0	12.3	-166.90	194.0	-161.0	946.7	913.2	33.56	28.213	
6,650.0	6,570.0	6,581.8	6,570.0	21.2	12.3	-166.96	194.0	-161.0	950.1	916.4	33.70	28.193	
6,675.0	6,594.8	6,606.6	6,594.8	21.3	12.4	-167.01	194.0	-161.0	953.3	919.5	33.84	28.169	
6,700.0	6,619.6	6,631.4	6,619.6	21.4	12.4	-167.07	194.0	-161.0	956.4	922.4	33.99	28.140	
6,725.0	6,644.4	6,656.2	6,644.4	21.5	12.4	-167.12	194.0	-161.0	959.2	925.1	34.12	28.111	
6,750.0	6,669.2	6,681.0	6,669.2	21.6	12.4	-167.16	194.0	-161.0	962.0	927.7	34.26	28.078	
6,775.0	6,694.1	6,705.9	6,694.1	21.7	12.4	-167.21	194.0	-161.0	964.6	930.2	34.40	28.041	
6,800.0	6,719.0	6,730.8	6,719.0	21.8	12.5	-167.25	194.0	-161.0	967.0	932.5	34.54	28.000	
6,825.0	6,743.8	6,755.7	6,743.8	21.9	12.5	-167.28	194.0	-161.0	969.3	934.6	34.67	27.960	
6,850.0	6,768.8	6,780.6	6,768.8	22.0	12.5	-167.32	194.0	-161.0	971.4	936.6	34.80	27.915	
6,875.0	6,793.7	6,805.5	6,793.7	22.1	12.5	-167.35	194.0	-161.0	973.3	938.4	34.93	27.867	
6,900.0	6,818.6	6,830.4	6,818.6	22.2	12.5	-167.38	194.0	-161.0	975.1	940.0	35.06	27.814	
6,925.0	6,843.6	6,855.4	6,843.6	22.3	12.6	-167.41	194.0	-161.0	976.7	941.5	35.18	27.765	
6,950.0	6,868.5	6,880.3	6,868.5	22.3	12.6	-167.43	194.0	-161.0	978.2	942.9	35.30	27.711	
6,975.0	6,893.5	6,905.3	6,893.5	22.4	12.6	-167.45	194.0	-161.0	979.5	944.1	35.42	27.654	
7,000.0	6,918.4	6,930.3	6,918.4	22.5	12.6	-167.47	194.0	-161.0	980.7	945.1	35.54	27.592	
7,025.0	6,943.4	6,955.2	6,943.4	22.6	12.6	-167.49	194.0	-161.0	981.6	946.0	35.65	27.538	
7,050.0	6,968.4	6,980.2	6,968.4	22.7	12.7	-167.50	194.0	-161.0	982.5	946.7	35.75	27.479	
7,075.0	6,993.4	7,005.2	6,993.4	22.8	12.7	-167.51	194.0	-161.0	983.1	947.3	35.86	27.416	
7,100.0	7,018.4	7,030.2	7,018.4	22.8	12.7	-167.52	194.0	-161.0	983.7	947.7	35.97	27.349	
7,125.0	7,043.4	7,055.2	7,043.4	22.9	12.7	-167.53	194.0	-161.0	984.0	948.0	36.02	27.317	
7,150.0	7,068.4	7,080.2	7,068.4	22.9	12.7	-167.53	194.0	-161.0	984.2	948.1	36.08	27.280	
7,167.6	7,086.0	7,097.8	7,086.0	22.9	12.8	-84.68	194.0	-161.0	984.2	948.1	36.12	27.251	
7,175.0	7,093.4	7,105.2	7,093.4	22.9	12.8	-84.68	194.0	-161.0	984.2	948.1	36.12	27.247	
7,200.0	7,118.4	7,130.2	7,118.4	22.9	12.8	-84.68	194.0	-161.0	984.2	948.1	36.14	27.234	
7,225.0	7,143.4	7,155.2	7,143.4	22.9	12.8	-84.68	194.0	-161.0	984.2	948.1	36.16	27.216	
7,250.0	7,168.4	7,180.2	7,168.4	22.9	12.8	-84.68	194.0	-161.0	984.2	948.1	36.19	27.197	
7,275.0	7,193.4	7,205.2	7,193.4	23.0	12.8	-84.68	194.0	-161.0	984.2	948.0	36.21	27.179	
7,300.0	7,218.4	7,230.2	7,218.4	23.0	12.9	-84.68	194.0	-161.0	984.2	948.0	36.24	27.160	
7,325.0	7,243.4	7,255.2	7,243.4	23.0	12.9	-84.68	194.0	-161.0	984.2	948.0	36.26	27.141	
7,350.0	7,268.4	7,280.2	7,268.4	23.0	12.9	-84.68	194.0	-161.0	984.2	948.0	36.29	27.123	
7,375.0	7,293.4	7,305.2	7,293.4	23.0	12.9	-84.68	194.0	-161.0	984.2	947.9	36.31	27.104	
7,400.0	7,318.4	7,330.2	7,318.4	23.0	12.9	-84.68	194.0	-161.0	984.2	947.9	36.34	27.086	
7,425.0	7,343.4	7,355.2	7,343.4	23.0	13.0	-84.68	194.0	-161.0	984.2	947.9	36.36	27.067	
7,450.0	7,368.4	7,380.2	7,368.4	23.0	13.0	-84.68	194.0	-161.0	984.2	947.9	36.39	27.049	
7,475.0	7,393.4	7,405.2	7,393.4	23.0	13.0	-84.68	194.0	-161.0	984.2	947.8	36.41	27.030	
7,500.0	7,418.4	7,430.2	7,418.4	23.0	13.0	-84.68	194.0	-161.0	984.2	947.8	36.44	27.011	
7,525.0	7,443.4	7,455.2	7,443.4	23.0	13.0	-84.68	194.0	-161.0	984.2	947.8	36.46	26.993	
7,550.0	7,468.4	7,480.2	7,468.4	23.1	13.1	-84.68	194.0	-161.0	984.2	947.8	36.49	26.974	
7,575.0	7,493.4	7,505.2	7,493.4	23.1	13.1	-84.68	194.0	-161.0	984.2	947.7	36.51	26.956	

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

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
7,600.0	7,518.4	7,530.2	7,518.4	23.1	13.1	-84.68	194.0	-161.0	984.2	947.7	36.54	26.937	
7,625.0	7,543.4	7,555.2	7,543.4	23.1	13.1	-84.68	194.0	-161.0	984.2	947.7	36.56	26.919	
7,650.0	7,568.4	7,580.2	7,568.4	23.1	13.1	-84.68	194.0	-161.0	984.2	947.7	36.59	26.900	
7,675.0	7,593.4	7,605.2	7,593.4	23.1	13.2	-84.68	194.0	-161.0	984.2	947.6	36.61	26.882	
7,700.0	7,618.4	7,630.2	7,618.4	23.1	13.2	-84.68	194.0	-161.0	984.2	947.6	36.64	26.863	
7,725.0	7,643.4	7,655.2	7,643.4	23.1	13.2	-84.68	194.0	-161.0	984.2	947.6	36.66	26.845	
7,750.0	7,668.4	7,680.2	7,668.4	23.1	13.2	-84.68	194.0	-161.0	984.2	947.6	36.69	26.826	
7,775.0	7,693.4	7,705.2	7,693.4	23.1	13.2	-84.68	194.0	-161.0	984.2	947.5	36.72	26.808	
7,800.0	7,718.4	7,730.2	7,718.4	23.1	13.3	-84.68	194.0	-161.0	984.2	947.5	36.74	26.789	
7,825.0	7,743.4	7,755.2	7,743.4	23.2	13.3	-84.68	194.0	-161.0	984.2	947.5	36.77	26.771	
7,850.0	7,768.4	7,780.2	7,768.4	23.2	13.3	-84.68	194.0	-161.0	984.2	947.5	36.79	26.752	
7,875.0	7,793.4	7,805.2	7,793.4	23.2	13.3	-84.68	194.0	-161.0	984.2	947.4	36.82	26.734	
7,900.0	7,818.4	7,830.2	7,818.4	23.2	13.3	-84.68	194.0	-161.0	984.2	947.4	36.84	26.715	
7,925.0	7,843.4	7,855.2	7,843.4	23.2	13.4	-84.68	194.0	-161.0	984.2	947.4	36.87	26.697	
7,950.0	7,868.4	7,880.2	7,868.4	23.2	13.4	-84.68	194.0	-161.0	984.2	947.4	36.89	26.678	
7,975.0	7,893.4	7,905.2	7,893.4	23.2	13.4	-84.68	194.0	-161.0	984.2	947.3	36.92	26.660	
8,000.0	7,918.4	7,930.2	7,918.4	23.2	13.4	-84.68	194.0	-161.0	984.2	947.3	36.94	26.641	
8,025.0	7,943.4	7,955.2	7,943.4	23.2	13.4	-84.68	194.0	-161.0	984.2	947.3	36.97	26.623	
8,050.0	7,968.4	7,980.2	7,968.4	23.2	13.5	-84.68	194.0	-161.0	984.2	947.2	37.00	26.604	
8,075.0	7,993.4	8,005.2	7,993.4	23.2	13.5	-84.68	194.0	-161.0	984.2	947.2	37.02	26.586	
8,100.0	8,018.4	8,030.2	8,018.4	23.3	13.5	-84.68	194.0	-161.0	984.2	947.2	37.05	26.568	
8,125.0	8,043.4	8,055.2	8,043.4	23.3	13.5	-84.68	194.0	-161.0	984.2	947.2	37.07	26.549	
8,150.0	8,068.4	8,080.2	8,068.4	23.3	13.5	-84.68	194.0	-161.0	984.2	947.1	37.10	26.531	
8,175.0	8,093.4	8,105.2	8,093.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.1	37.12	26.512	
8,200.0	8,118.4	8,130.2	8,118.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.1	37.15	26.494	
8,225.0	8,143.4	8,155.2	8,143.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.1	37.18	26.476	
8,250.0	8,168.4	8,180.2	8,168.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.0	37.20	26.457	
8,275.0	8,193.4	8,205.2	8,193.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.0	37.23	26.439	
8,300.0	8,218.4	8,230.2	8,218.4	23.3	13.6	-84.68	194.0	-161.0	984.2	947.0	37.25	26.421	
8,325.0	8,243.4	8,255.2	8,243.4	23.3	13.7	-84.68	194.0	-161.0	984.2	947.0	37.28	26.402	
8,350.0	8,268.4	8,280.2	8,268.4	23.3	13.7	-84.68	194.0	-161.0	984.2	946.9	37.30	26.384	
8,375.0	8,293.4	8,305.2	8,293.4	23.4	13.7	-84.68	194.0	-161.0	984.2	946.9	37.33	26.365	
8,400.0	8,318.4	8,330.2	8,318.4	23.4	13.7	-84.68	194.0	-161.0	984.2	946.9	37.36	26.347	
8,425.0	8,343.4	8,355.2	8,343.4	23.4	13.7	-84.68	194.0	-161.0	984.2	946.9	37.38	26.329	
8,450.0	8,368.4	8,380.2	8,368.4	23.4	13.8	-84.68	194.0	-161.0	984.2	946.8	37.41	26.311	
8,475.0	8,393.4	8,405.2	8,393.4	23.4	13.8	-84.68	194.0	-161.0	984.2	946.8	37.43	26.292	
8,500.0	8,418.4	8,430.2	8,418.4	23.4	13.8	-84.68	194.0	-161.0	984.2	946.8	37.46	26.274	
8,525.0	8,443.4	8,455.2	8,443.4	23.4	13.8	-84.68	194.0	-161.0	984.2	946.8	37.49	26.256	
8,550.0	8,468.4	8,480.2	8,468.4	23.4	13.8	-84.68	194.0	-161.0	984.2	946.7	37.51	26.237	
8,575.0	8,493.4	8,505.2	8,493.4	23.4	13.9	-84.68	194.0	-161.0	984.2	946.7	37.54	26.219	
8,600.0	8,518.4	8,530.2	8,518.4	23.4	13.9	-84.68	194.0	-161.0	984.2	946.7	37.57	26.201	
8,625.0	8,543.4	8,555.2	8,543.4	23.5	13.9	-84.68	194.0	-161.0	984.2	946.7	37.59	26.182	
8,650.0	8,568.4	8,580.2	8,568.4	23.5	13.9	-84.68	194.0	-161.0	984.2	946.6	37.62	26.164	
8,675.0	8,593.4	8,605.2	8,593.4	23.5	13.9	-84.68	194.0	-161.0	984.2	946.6	37.64	26.146	
8,700.0	8,618.4	8,630.2	8,618.4	23.5	14.0	-84.68	194.0	-161.0	984.2	946.6	37.67	26.128	
8,725.0	8,643.4	8,655.2	8,643.4	23.5	14.0	-84.68	194.0	-161.0	984.2	946.5	37.70	26.110	
8,750.0	8,668.4	8,680.2	8,668.4	23.5	14.0	-84.68	194.0	-161.0	984.2	946.5	37.72	26.091	
8,775.0	8,693.4	8,705.2	8,693.4	23.5	14.0	-84.68	194.0	-161.0	984.2	946.5	37.75	26.073	
8,800.0	8,718.4	8,730.2	8,718.4	23.5	14.0	-84.68	194.0	-161.0	984.2	946.5	37.78	26.055	
8,825.0	8,743.4	8,755.2	8,743.4	23.5	14.1	-84.68	194.0	-161.0	984.2	946.4	37.80	26.037	
8,850.0	8,768.4	8,780.2	8,768.4	23.5	14.1	-84.68	194.0	-161.0	984.2	946.4	37.83	26.018	

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
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Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
8,875.0	8,793.4	8,805.2	8,793.4	23.5	14.1	-84.68	194.0	-161.0	984.2	946.4	37.86	26.000	
8,900.0	8,818.4	8,830.2	8,818.4	23.6	14.1	-84.68	194.0	-161.0	984.2	946.4	37.88	25.982	
8,925.0	8,843.4	8,855.2	8,843.4	23.6	14.1	-84.68	194.0	-161.0	984.2	946.3	37.91	25.964	
8,950.0	8,868.4	8,880.2	8,868.4	23.6	14.2	-84.68	194.0	-161.0	984.2	946.3	37.93	25.946	
8,975.0	8,893.4	8,905.2	8,893.4	23.6	14.2	-84.68	194.0	-161.0	984.2	946.3	37.96	25.928	
9,000.0	8,918.4	8,930.2	8,918.4	23.6	14.2	-84.68	194.0	-161.0	984.2	946.3	37.99	25.910	
9,025.0	8,943.4	8,955.2	8,943.4	23.6	14.2	-84.68	194.0	-161.0	984.2	946.2	38.01	25.891	
9,050.0	8,968.4	8,980.2	8,968.4	23.6	14.2	-84.68	194.0	-161.0	984.2	946.2	38.04	25.873	
9,075.0	8,993.4	9,005.2	8,993.4	23.6	14.3	-84.68	194.0	-161.0	984.2	946.2	38.07	25.855	
9,100.0	9,018.4	9,030.2	9,018.4	23.6	14.3	-84.68	194.0	-161.0	984.2	946.1	38.09	25.837	
9,125.0	9,043.4	9,055.2	9,043.4	23.6	14.3	-84.68	194.0	-161.0	984.2	946.1	38.12	25.819	
9,150.0	9,068.4	9,080.2	9,068.4	23.7	14.3	-84.68	194.0	-161.0	984.2	946.1	38.15	25.801	
9,175.0	9,093.4	9,105.2	9,093.4	23.7	14.3	-84.68	194.0	-161.0	984.2	946.1	38.17	25.783	
9,200.0	9,118.4	9,130.2	9,118.4	23.7	14.4	-84.68	194.0	-161.0	984.2	946.0	38.20	25.765	
9,225.0	9,143.4	9,155.2	9,143.4	23.7	14.4	-84.68	194.0	-161.0	984.2	946.0	38.23	25.747	
9,250.0	9,168.4	9,180.2	9,168.4	23.7	14.4	-84.68	194.0	-161.0	984.2	946.0	38.25	25.729	
9,275.0	9,193.4	9,205.2	9,193.4	23.7	14.4	-84.68	194.0	-161.0	984.2	946.0	38.28	25.711	
9,300.0	9,218.4	9,230.2	9,218.4	23.7	14.4	-84.68	194.0	-161.0	984.2	945.9	38.31	25.693	
9,325.0	9,243.4	9,255.2	9,243.4	23.7	14.5	-84.68	194.0	-161.0	984.2	945.9	38.34	25.674	
9,350.0	9,268.4	9,280.2	9,268.4	23.7	14.5	-84.68	194.0	-161.0	984.2	945.9	38.36	25.656	
9,375.0	9,293.4	9,305.2	9,293.4	23.7	14.5	-84.68	194.0	-161.0	984.2	945.9	38.39	25.638	
9,400.0	9,318.4	9,330.2	9,318.4	23.8	14.5	-84.68	194.0	-161.0	984.2	945.8	38.42	25.620	
9,425.0	9,343.4	9,355.2	9,343.4	23.8	14.5	-84.68	194.0	-161.0	984.2	945.8	38.44	25.602	
9,450.0	9,368.4	9,380.2	9,368.4	23.8	14.6	-84.68	194.0	-161.0	984.2	945.8	38.47	25.585	
9,475.0	9,393.4	9,405.2	9,393.4	23.8	14.6	-84.68	194.0	-161.0	984.2	945.7	38.50	25.567	
9,500.0	9,418.4	9,430.2	9,418.4	23.8	14.6	-84.68	194.0	-161.0	984.2	945.7	38.52	25.549	
9,525.0	9,443.4	9,455.2	9,443.4	23.8	14.6	-84.68	194.0	-161.0	984.2	945.7	38.55	25.531	
9,550.0	9,468.4	9,480.2	9,468.4	23.8	14.6	-84.68	194.0	-161.0	984.2	945.7	38.58	25.513	
9,575.0	9,493.4	9,505.2	9,493.4	23.8	14.7	-84.68	194.0	-161.0	984.2	945.6	38.61	25.495	
9,600.0	9,518.4	9,530.2	9,518.4	23.8	14.7	-84.68	194.0	-161.0	984.2	945.6	38.63	25.477	
9,625.0	9,543.4	9,555.2	9,543.4	23.8	14.7	-84.68	194.0	-161.0	984.2	945.6	38.66	25.459	
9,650.0	9,568.4	9,580.2	9,568.4	23.9	14.7	-84.68	194.0	-161.0	984.2	945.6	38.69	25.441	
9,675.0	9,593.4	9,605.2	9,593.4	23.9	14.7	-84.68	194.0	-161.0	984.2	945.5	38.71	25.423	
9,700.0	9,618.4	9,630.2	9,618.4	23.9	14.8	-84.68	194.0	-161.0	984.2	945.5	38.74	25.405	
9,725.0	9,643.4	9,655.2	9,643.4	23.9	14.8	-84.68	194.0	-161.0	984.2	945.5	38.77	25.387	
9,750.0	9,668.4	9,680.2	9,668.4	23.9	14.8	-84.68	194.0	-161.0	984.2	945.4	38.80	25.370	
9,775.0	9,693.4	9,705.2	9,693.4	23.9	14.8	-84.68	194.0	-161.0	984.2	945.4	38.82	25.352	
9,800.0	9,718.4	9,730.2	9,718.4	23.9	14.8	-84.68	194.0	-161.0	984.2	945.4	38.85	25.334	
9,825.0	9,743.4	9,755.2	9,743.4	23.9	14.9	-84.68	194.0	-161.0	984.2	945.4	38.88	25.316	
9,850.0	9,768.4	9,780.2	9,768.4	23.9	14.9	-84.68	194.0	-161.0	984.2	945.3	38.91	25.298	
9,875.0	9,793.4	9,805.2	9,793.4	23.9	14.9	-84.68	194.0	-161.0	984.2	945.3	38.93	25.280	
9,900.0	9,818.4	9,830.2	9,818.4	24.0	14.9	-84.68	194.0	-161.0	984.2	945.3	38.96	25.263	
9,925.0	9,843.4	9,855.2	9,843.4	24.0	14.9	-84.68	194.0	-161.0	984.2	945.3	38.99	25.245	
9,950.0	9,868.4	9,880.2	9,868.4	24.0	15.0	-84.68	194.0	-161.0	984.2	945.2	39.02	25.227	
9,975.0	9,893.4	9,905.2	9,893.4	24.0	15.0	-84.68	194.0	-161.0	984.2	945.2	39.04	25.209	
10,000.0	9,918.4	9,930.2	9,918.4	24.0	15.0	-84.68	194.0	-161.0	984.2	945.2	39.07	25.192	
10,025.0	9,943.4	9,955.2	9,943.4	24.0	15.0	-84.68	194.0	-161.0	984.2	945.1	39.10	25.174	
10,050.0	9,968.4	9,980.2	9,968.4	24.0	15.0	-84.68	194.0	-161.0	984.2	945.1	39.13	25.156	
10,052.2	9,970.6	9,982.4	9,970.6	24.0	15.0	-84.68	194.0	-161.0	984.2	945.1	39.13	25.155	
10,075.0	9,993.4	10,004.4	9,992.6	24.0	15.1	-84.68	194.0	-161.0	984.2	945.1	39.15	25.141	
10,100.0	10,018.4	10,025.0	10,013.2	24.0	15.1	-84.64	194.6	-161.0	984.3	945.2	39.15	25.142	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
10,125.0	10,043.4	10,046.2	10,034.3	24.0	15.1	-84.55	196.2	-161.0	984.5	945.4	39.14	25.150	
10,150.0	10,068.4	10,066.8	10,054.8	24.1	15.1	-84.41	198.6	-161.0	984.8	945.6	39.13	25.164	
10,153.2	10,071.6	10,069.4	10,057.4	24.1	15.1	-84.39	199.0	-161.0	984.8	945.7	39.13	25.167	
10,175.0	10,093.4	10,087.3	10,075.0	24.1	15.1	-84.14	201.9	-161.0	985.1	946.0	39.11	25.189	
10,200.0	10,118.3	10,107.7	10,095.0	24.1	15.1	-83.94	206.0	-161.0	985.5	946.4	39.09	25.209	
10,225.0	10,143.1	10,128.0	10,114.6	24.1	15.1	-83.76	210.9	-161.0	985.8	946.7	39.07	25.229	
10,250.0	10,167.7	10,150.0	10,135.8	24.1	15.1	-83.58	217.3	-161.0	986.1	947.1	39.06	25.244	
10,275.0	10,192.1	10,168.3	10,153.1	24.1	15.1	-83.44	223.2	-161.0	986.4	947.4	39.05	25.263	
10,300.0	10,216.1	10,188.4	10,171.8	24.1	15.1	-83.31	230.6	-161.0	986.7	947.6	39.03	25.277	
10,325.0	10,239.7	10,208.4	10,190.1	24.1	15.1	-83.18	238.6	-161.1	986.9	947.9	39.03	25.288	
10,350.0	10,262.9	10,228.4	10,208.1	24.1	15.1	-83.08	247.4	-161.1	987.1	948.1	39.02	25.298	
10,375.0	10,285.5	10,250.0	10,227.0	24.1	15.1	-82.98	257.8	-161.1	987.3	948.3	39.02	25.303	
10,400.0	10,307.5	10,268.3	10,242.6	24.1	15.1	-82.91	267.2	-161.1	987.5	948.4	39.02	25.308	
10,425.0	10,328.9	10,288.2	10,259.2	24.1	15.2	-82.85	278.1	-161.1	987.6	948.6	39.02	25.309	
10,450.0	10,349.6	10,308.0	10,275.4	24.1	15.2	-82.81	289.7	-161.1	987.7	948.6	39.03	25.307	
10,475.0	10,369.6	10,327.9	10,291.0	24.1	15.2	-82.78	302.0	-161.1	987.7	948.7	39.04	25.302	
10,500.0	10,388.7	10,350.0	10,307.8	24.1	15.2	-82.77	316.4	-161.1	987.7	948.7	39.05	25.293	
10,525.0	10,406.9	10,367.6	10,320.6	24.1	15.2	-82.78	328.4	-161.2	987.7	948.7	39.07	25.283	
10,550.0	10,424.3	10,387.4	10,334.6	24.1	15.2	-82.80	342.5	-161.2	987.7	948.6	39.09	25.268	
10,575.0	10,440.6	10,407.3	10,348.0	24.1	15.2	-82.84	357.1	-161.2	987.6	948.5	39.11	25.250	
10,600.0	10,456.0	10,425.0	10,359.4	24.1	15.2	-82.89	370.7	-161.2	987.5	948.3	39.14	25.229	
10,625.0	10,470.3	10,447.0	10,372.9	24.1	15.2	-82.97	388.1	-161.2	987.3	948.2	39.17	25.203	
10,650.0	10,483.5	10,467.0	10,384.4	24.1	15.3	-83.06	404.4	-161.2	987.2	947.9	39.21	25.175	
10,675.0	10,495.5	10,486.9	10,395.2	24.2	15.3	-83.16	421.2	-161.3	987.0	947.7	39.25	25.143	
10,700.0	10,506.4	10,507.0	10,405.3	24.2	15.3	-83.28	438.5	-161.3	986.7	947.4	39.30	25.108	
10,725.0	10,516.2	10,525.0	10,413.8	24.2	15.3	-83.40	454.4	-161.3	986.5	947.1	39.35	25.070	
10,750.0	10,524.7	10,547.2	10,423.4	24.2	15.3	-83.56	474.3	-161.3	986.2	946.8	39.40	25.027	
10,775.0	10,531.9	10,567.4	10,431.4	24.2	15.3	-83.73	492.9	-161.3	985.9	946.4	39.46	24.982	
10,800.0	10,537.9	10,587.7	10,438.6	24.3	15.3	-83.91	511.9	-161.4	985.5	946.0	39.53	24.933	
10,825.0	10,542.6	10,608.0	10,445.0	24.3	15.4	-84.10	531.2	-161.4	985.2	945.6	39.60	24.882	
10,850.0	10,546.1	10,628.5	10,450.5	24.3	15.4	-84.31	550.9	-161.4	984.9	945.2	39.67	24.827	
10,875.0	10,548.2	10,650.0	10,455.5	24.3	15.4	-84.53	571.8	-161.4	984.5	944.7	39.75	24.769	
10,898.5	10,549.0	10,668.4	10,459.0	24.4	15.4	-84.74	589.9	-161.5	984.1	944.3	39.82	24.712	
10,900.0	10,549.0	10,669.7	10,459.2	24.4	15.4	-84.76	591.2	-161.5	984.1	944.3	39.83	24.708	
10,925.0	10,549.3	10,690.6	10,462.3	24.4	15.5	-84.92	611.8	-161.5	983.8	943.9	39.92	24.643	
10,950.0	10,549.5	10,711.6	10,464.5	24.4	15.5	-85.04	632.8	-161.5	983.6	943.6	40.01	24.583	
10,975.0	10,549.8	10,732.8	10,465.7	24.5	15.5	-85.10	653.9	-161.5	983.5	943.4	40.10	24.525	
11,000.0	10,550.0	10,755.6	10,466.1	24.5	15.5	-85.11	676.7	-161.6	983.5	943.3	40.19	24.470	
11,025.0	10,550.2	10,780.6	10,466.4	24.6	15.6	-85.11	701.7	-161.6	983.5	943.2	40.29	24.408	
11,050.0	10,550.5	10,805.6	10,466.6	24.6	15.6	-85.11	726.7	-161.6	983.5	943.1	40.40	24.345	
11,075.0	10,550.7	10,830.6	10,466.9	24.7	15.7	-85.11	751.7	-161.7	983.5	943.0	40.51	24.278	
11,100.0	10,551.0	10,855.6	10,467.2	24.7	15.7	-85.11	776.7	-161.7	983.5	942.9	40.62	24.211	
11,125.0	10,551.2	10,880.6	10,467.4	24.8	15.8	-85.11	801.7	-161.7	983.5	942.7	40.74	24.140	
11,150.0	10,551.5	10,905.6	10,467.7	24.8	15.8	-85.11	826.7	-161.7	983.5	942.6	40.86	24.068	
11,175.0	10,551.7	10,930.6	10,467.9	24.9	15.9	-85.11	851.7	-161.8	983.5	942.5	40.99	23.993	
11,200.0	10,552.0	10,955.6	10,468.2	24.9	15.9	-85.11	876.7	-161.8	983.5	942.4	41.12	23.918	
11,225.0	10,552.2	10,980.6	10,468.5	25.0	16.0	-85.11	901.7	-161.8	983.5	942.2	41.25	23.840	
11,250.0	10,552.5	11,005.6	10,468.7	25.0	16.1	-85.12	926.7	-161.9	983.5	942.1	41.39	23.760	
11,275.0	10,552.7	11,030.6	10,469.0	25.1	16.1	-85.12	951.7	-161.9	983.5	941.9	41.53	23.678	
11,300.0	10,553.0	11,055.6	10,469.2	25.2	16.2	-85.12	976.7	-161.9	983.5	941.8	41.68	23.597	
11,325.0	10,553.2	11,080.6	10,469.5	25.2	16.3	-85.12	1,001.7	-161.9	983.5	941.6	41.83	23.512	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
11,350.0	10,553.4	11,105.6	10,469.8	25.3	16.4	-85.12	1,026.7	-162.0	983.5	941.5	41.98	23.426	
11,375.0	10,553.7	11,130.6	10,470.0	25.4	16.4	-85.12	1,051.7	-162.0	983.5	941.3	42.14	23.338	
11,400.0	10,553.9	11,155.6	10,470.3	25.4	16.5	-85.12	1,076.7	-162.0	983.5	941.2	42.30	23.251	
11,425.0	10,554.2	11,180.6	10,470.5	25.5	16.6	-85.12	1,101.7	-162.1	983.5	941.0	42.46	23.160	
11,450.0	10,554.4	11,205.6	10,470.8	25.6	16.7	-85.12	1,126.7	-162.1	983.5	940.8	42.63	23.069	
11,475.0	10,554.7	11,230.6	10,471.1	25.6	16.8	-85.12	1,151.7	-162.1	983.5	940.7	42.80	22.976	
11,500.0	10,554.9	11,255.6	10,471.3	25.7	16.9	-85.12	1,176.7	-162.2	983.5	940.5	42.98	22.884	
11,525.0	10,555.2	11,280.6	10,471.6	25.8	17.0	-85.12	1,201.7	-162.2	983.5	940.3	43.16	22.788	
11,550.0	10,555.4	11,305.6	10,471.9	25.9	17.1	-85.13	1,226.7	-162.2	983.5	940.1	43.34	22.693	
11,575.0	10,555.7	11,330.6	10,472.1	26.0	17.2	-85.13	1,251.7	-162.2	983.5	939.9	43.52	22.596	
11,600.0	10,555.9	11,355.6	10,472.4	26.0	17.3	-85.13	1,276.7	-162.3	983.4	939.7	43.71	22.500	
11,625.0	10,556.2	11,380.6	10,472.6	26.1	17.4	-85.13	1,301.7	-162.3	983.4	939.5	43.90	22.401	
11,650.0	10,556.4	11,405.6	10,472.9	26.2	17.6	-85.13	1,326.7	-162.3	983.4	939.3	44.10	22.302	
11,675.0	10,556.6	11,430.6	10,473.2	26.3	17.7	-85.13	1,351.7	-162.4	983.4	939.1	44.30	22.202	
11,700.0	10,556.9	11,455.6	10,473.4	26.4	17.8	-85.13	1,376.7	-162.4	983.4	938.9	44.50	22.102	
11,725.0	10,557.1	11,480.6	10,473.7	26.5	17.9	-85.13	1,401.7	-162.4	983.4	938.7	44.70	22.001	
11,750.0	10,557.4	11,505.6	10,473.9	26.6	18.0	-85.13	1,426.7	-162.4	983.4	938.5	44.91	21.899	
11,775.0	10,557.6	11,530.6	10,474.2	26.7	18.2	-85.13	1,451.7	-162.5	983.4	938.3	45.12	21.797	
11,800.0	10,557.9	11,555.6	10,474.5	26.7	18.3	-85.13	1,476.7	-162.5	983.4	938.1	45.33	21.695	
11,825.0	10,558.1	11,580.6	10,474.7	26.8	18.4	-85.14	1,501.7	-162.5	983.4	937.9	45.55	21.591	
11,850.0	10,558.4	11,605.6	10,475.0	26.9	18.5	-85.14	1,526.7	-162.6	983.4	937.7	45.77	21.488	
11,875.0	10,558.6	11,630.6	10,475.3	27.0	18.7	-85.14	1,551.7	-162.6	983.4	937.4	45.99	21.384	
11,900.0	10,558.9	11,655.6	10,475.5	27.1	18.8	-85.14	1,576.7	-162.6	983.4	937.2	46.21	21.281	
11,925.0	10,559.1	11,680.6	10,475.8	27.2	18.9	-85.14	1,601.7	-162.6	983.4	937.0	46.44	21.176	
11,950.0	10,559.4	11,705.6	10,476.0	27.3	19.1	-85.14	1,626.7	-162.7	983.4	936.8	46.67	21.071	
11,975.0	10,559.6	11,730.6	10,476.3	27.5	19.2	-85.14	1,651.7	-162.7	983.4	936.5	46.91	20.966	
12,000.0	10,559.8	11,755.6	10,476.6	27.6	19.4	-85.14	1,676.7	-162.7	983.4	936.3	47.14	20.862	
12,025.0	10,560.1	11,780.6	10,476.8	27.7	19.5	-85.14	1,701.7	-162.8	983.4	936.0	47.38	20.757	
12,050.0	10,560.3	11,805.6	10,477.1	27.8	19.6	-85.14	1,726.7	-162.8	983.4	935.8	47.62	20.652	
12,075.0	10,560.6	11,830.6	10,477.3	27.9	19.8	-85.14	1,751.7	-162.8	983.4	935.6	47.86	20.547	
12,100.0	10,560.8	11,855.6	10,477.6	28.0	19.9	-85.14	1,776.7	-162.9	983.4	935.3	48.11	20.442	
12,125.0	10,561.1	11,880.6	10,477.9	28.1	20.1	-85.15	1,801.7	-162.9	983.4	935.1	48.36	20.337	
12,150.0	10,561.3	11,905.6	10,478.1	28.2	20.2	-85.15	1,826.7	-162.9	983.4	934.8	48.61	20.232	
12,175.0	10,561.6	11,930.6	10,478.4	28.3	20.4	-85.15	1,851.7	-162.9	983.4	934.6	48.86	20.127	
12,200.0	10,561.8	11,955.6	10,478.7	28.4	20.5	-85.15	1,876.7	-163.0	983.4	934.3	49.11	20.023	
12,225.0	10,562.1	11,980.6	10,478.9	28.6	20.7	-85.15	1,901.7	-163.0	983.4	934.0	49.37	19.918	
12,250.0	10,562.3	12,005.6	10,479.2	28.7	20.8	-85.15	1,926.7	-163.0	983.4	933.8	49.63	19.814	
12,275.0	10,562.6	12,030.6	10,479.4	28.8	21.0	-85.15	1,951.6	-163.1	983.4	933.5	49.90	19.709	
12,300.0	10,562.8	12,055.6	10,479.7	28.9	21.1	-85.15	1,976.6	-163.1	983.4	933.3	50.16	19.606	
12,325.0	10,563.1	12,080.6	10,480.0	29.0	21.3	-85.15	2,001.6	-163.1	983.4	933.0	50.43	19.502	
12,350.0	10,563.3	12,105.6	10,480.2	29.2	21.5	-85.15	2,026.6	-163.1	983.4	932.7	50.69	19.399	
12,375.0	10,563.5	12,130.6	10,480.5	29.3	21.6	-85.15	2,051.6	-163.2	983.4	932.4	50.97	19.295	
12,400.0	10,563.8	12,155.6	10,480.7	29.4	21.8	-85.16	2,076.6	-163.2	983.4	932.2	51.24	19.193	
12,425.0	10,564.0	12,180.6	10,481.0	29.5	21.9	-85.16	2,101.6	-163.2	983.4	931.9	51.51	19.090	
12,450.0	10,564.3	12,205.6	10,481.3	29.7	22.1	-85.16	2,126.6	-163.3	983.4	931.6	51.79	18.988	
12,475.0	10,564.5	12,230.6	10,481.5	29.8	22.3	-85.16	2,151.6	-163.3	983.4	931.3	52.07	18.887	
12,500.0	10,564.8	12,255.6	10,481.8	29.9	22.4	-85.16	2,176.6	-163.3	983.4	931.1	52.35	18.786	
12,525.0	10,565.0	12,280.6	10,482.0	30.0	22.6	-85.16	2,201.6	-163.4	983.4	930.8	52.63	18.685	
12,550.0	10,565.3	12,305.6	10,482.3	30.2	22.8	-85.16	2,226.6	-163.4	983.4	930.5	52.92	18.584	
12,575.0	10,565.5	12,330.6	10,482.6	30.3	22.9	-85.16	2,251.6	-163.4	983.4	930.2	53.20	18.484	
12,600.0	10,565.8	12,355.6	10,482.8	30.4	23.1	-85.16	2,276.6	-163.4	983.4	929.9	53.49	18.385	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
12,625.0	10,566.0	12,380.6	10,483.1	30.6	23.3	-85.16	2,301.6	-163.5	983.4	929.6	53.78	18.286	
12,650.0	10,566.3	12,405.6	10,483.4	30.7	23.4	-85.16	2,326.6	-163.5	983.4	929.3	54.07	18.187	
12,675.0	10,566.5	12,430.6	10,483.6	30.8	23.6	-85.17	2,351.6	-163.5	983.4	929.0	54.37	18.089	
12,700.0	10,566.7	12,455.6	10,483.9	31.0	23.8	-85.17	2,376.6	-163.6	983.4	928.7	54.66	17.991	
12,725.0	10,567.0	12,480.6	10,484.1	31.1	23.9	-85.17	2,401.6	-163.6	983.4	928.4	54.96	17.894	
12,750.0	10,567.2	12,505.6	10,484.4	31.3	24.1	-85.17	2,426.6	-163.6	983.4	928.1	55.26	17.797	
12,775.0	10,567.5	12,530.6	10,484.7	31.4	24.3	-85.17	2,451.6	-163.6	983.4	927.8	55.56	17.701	
12,800.0	10,567.7	12,555.6	10,484.9	31.5	24.4	-85.17	2,476.6	-163.7	983.4	927.5	55.86	17.606	
12,825.0	10,568.0	12,580.6	10,485.2	31.7	24.6	-85.17	2,501.6	-163.7	983.4	927.2	56.16	17.511	
12,850.0	10,568.2	12,605.6	10,485.4	31.8	24.8	-85.17	2,526.6	-163.7	983.4	926.9	56.46	17.416	
12,875.0	10,568.5	12,630.6	10,485.7	32.0	25.0	-85.17	2,551.6	-163.8	983.4	926.6	56.77	17.322	
12,900.0	10,568.7	12,655.6	10,486.0	32.1	25.1	-85.17	2,576.6	-163.8	983.4	926.3	57.08	17.229	
12,925.0	10,569.0	12,680.6	10,486.2	32.2	25.3	-85.17	2,601.6	-163.8	983.4	926.0	57.39	17.136	
12,950.0	10,569.2	12,705.6	10,486.5	32.4	25.5	-85.17	2,626.6	-163.8	983.4	925.7	57.70	17.044	
12,975.0	10,569.5	12,730.6	10,486.8	32.5	25.7	-85.18	2,651.6	-163.9	983.4	925.4	58.01	16.952	
13,000.0	10,569.7	12,755.6	10,487.0	32.7	25.9	-85.18	2,676.6	-163.9	983.4	925.1	58.32	16.861	
13,025.0	10,569.9	12,780.6	10,487.3	32.8	26.0	-85.18	2,701.6	-163.9	983.4	924.7	58.64	16.771	
13,050.0	10,570.2	12,805.6	10,487.5	33.0	26.2	-85.18	2,726.6	-164.0	983.4	924.4	58.95	16.681	
13,075.0	10,570.4	12,830.6	10,487.8	33.1	26.4	-85.18	2,751.6	-164.0	983.4	924.1	59.27	16.591	
13,100.0	10,570.7	12,855.6	10,488.1	33.3	26.6	-85.18	2,776.6	-164.0	983.4	923.8	59.59	16.503	
13,125.0	10,570.9	12,880.6	10,488.3	33.4	26.7	-85.18	2,801.6	-164.1	983.4	923.5	59.91	16.415	
13,150.0	10,571.2	12,905.6	10,488.6	33.6	26.9	-85.18	2,826.6	-164.1	983.4	923.1	60.23	16.327	
13,175.0	10,571.4	12,930.6	10,488.8	33.7	27.1	-85.18	2,851.6	-164.1	983.4	922.8	60.55	16.240	
13,200.0	10,571.7	12,955.6	10,489.1	33.9	27.3	-85.18	2,876.6	-164.1	983.4	922.5	60.87	16.154	
13,225.0	10,571.9	12,980.6	10,489.4	34.0	27.5	-85.18	2,901.6	-164.2	983.4	922.2	61.20	16.068	
13,250.0	10,572.2	13,005.6	10,489.6	34.2	27.7	-85.19	2,926.6	-164.2	983.4	921.8	61.53	15.983	
13,275.0	10,572.4	13,030.6	10,489.9	34.3	27.8	-85.19	2,951.6	-164.2	983.4	921.5	61.85	15.898	
13,300.0	10,572.7	13,055.6	10,490.2	34.5	28.0	-85.19	2,976.6	-164.3	983.4	921.2	62.18	15.815	
13,325.0	10,572.9	13,080.6	10,490.4	34.6	28.2	-85.19	3,001.6	-164.3	983.4	920.9	62.51	15.731	
13,350.0	10,573.1	13,105.6	10,490.7	34.8	28.4	-85.19	3,026.6	-164.3	983.4	920.5	62.84	15.648	
13,375.0	10,573.4	13,130.6	10,490.9	34.9	28.6	-85.19	3,051.6	-164.3	983.4	920.2	63.17	15.566	
13,400.0	10,573.6	13,155.6	10,491.2	35.1	28.8	-85.19	3,076.6	-164.4	983.4	919.9	63.51	15.485	
13,425.0	10,573.9	13,180.6	10,491.5	35.3	29.0	-85.19	3,101.6	-164.4	983.4	919.5	63.84	15.404	
13,450.0	10,574.1	13,205.6	10,491.7	35.4	29.1	-85.19	3,126.6	-164.4	983.4	919.2	64.17	15.323	
13,475.0	10,574.4	13,230.6	10,492.0	35.6	29.3	-85.19	3,151.6	-164.5	983.4	918.8	64.51	15.243	
13,500.0	10,574.6	13,255.6	10,492.2	35.7	29.5	-85.19	3,176.6	-164.5	983.4	918.5	64.85	15.164	
13,525.0	10,574.9	13,280.6	10,492.5	35.9	29.7	-85.19	3,201.6	-164.5	983.4	918.2	65.19	15.086	
13,550.0	10,575.1	13,305.6	10,492.8	36.1	29.9	-85.20	3,226.6	-164.6	983.4	917.8	65.52	15.008	
13,575.0	10,575.4	13,330.6	10,493.0	36.2	30.1	-85.20	3,251.6	-164.6	983.4	917.5	65.86	14.930	
13,600.0	10,575.6	13,355.6	10,493.3	36.4	30.3	-85.20	3,276.6	-164.6	983.4	917.1	66.20	14.853	
13,625.0	10,575.9	13,380.6	10,493.5	36.5	30.5	-85.20	3,301.6	-164.6	983.3	916.8	66.55	14.777	
13,650.0	10,576.1	13,405.6	10,493.8	36.7	30.6	-85.20	3,326.6	-164.7	983.3	916.5	66.89	14.701	
13,675.0	10,576.3	13,430.6	10,494.1	36.9	30.8	-85.20	3,351.6	-164.7	983.3	916.1	67.23	14.626	
13,700.0	10,576.6	13,455.6	10,494.3	37.0	31.0	-85.20	3,376.6	-164.7	983.3	915.8	67.58	14.552	
13,725.0	10,576.8	13,480.6	10,494.6	37.2	31.2	-85.20	3,401.6	-164.8	983.3	915.4	67.92	14.478	
13,750.0	10,577.1	13,505.6	10,494.9	37.4	31.4	-85.20	3,426.6	-164.8	983.3	915.1	68.27	14.404	
13,775.0	10,577.3	13,530.6	10,495.1	37.5	31.6	-85.20	3,451.6	-164.8	983.3	914.7	68.61	14.331	
13,800.0	10,577.6	13,555.6	10,495.4	37.7	31.8	-85.20	3,476.6	-164.8	983.3	914.4	68.96	14.259	
13,825.0	10,577.8	13,580.6	10,495.6	37.9	32.0	-85.21	3,501.6	-164.9	983.3	914.0	69.31	14.187	
13,850.0	10,578.1	13,605.6	10,495.9	38.0	32.2	-85.21	3,526.6	-164.9	983.3	913.7	69.66	14.116	
13,875.0	10,578.3	13,630.6	10,496.2	38.2	32.4	-85.21	3,551.6	-164.9	983.3	913.3	70.01	14.046	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
13,900.0	10,578.6	13,655.6	10,496.4	38.4	32.5	-85.21	3,576.6	-165.0	983.3	913.0	70.36	13.976	
13,925.0	10,578.8	13,680.6	10,496.7	38.5	32.7	-85.21	3,601.6	-165.0	983.3	912.6	70.71	13.906	
13,950.0	10,579.1	13,705.6	10,496.9	38.7	32.9	-85.21	3,626.6	-165.0	983.3	912.3	71.07	13.837	
13,975.0	10,579.3	13,730.6	10,497.2	38.9	33.1	-85.21	3,651.6	-165.0	983.3	911.9	71.42	13.768	
14,000.0	10,579.5	13,755.6	10,497.5	39.0	33.3	-85.21	3,676.6	-165.1	983.3	911.6	71.77	13.701	
14,025.0	10,579.8	13,780.6	10,497.7	39.2	33.5	-85.21	3,701.6	-165.1	983.3	911.2	72.13	13.633	
14,050.0	10,580.0	13,805.6	10,498.0	39.4	33.7	-85.21	3,726.6	-165.1	983.3	910.8	72.48	13.566	
14,075.0	10,580.3	13,830.6	10,498.3	39.5	33.9	-85.21	3,751.5	-165.2	983.3	910.5	72.84	13.500	
14,100.0	10,580.5	13,855.6	10,498.5	39.7	34.1	-85.22	3,776.5	-165.2	983.3	910.1	73.20	13.434	
14,125.0	10,580.8	13,880.6	10,498.8	39.9	34.3	-85.22	3,801.5	-165.2	983.3	909.8	73.55	13.369	
14,150.0	10,581.0	13,905.6	10,499.0	40.1	34.5	-85.22	3,826.5	-165.3	983.3	909.4	73.91	13.304	
14,175.0	10,581.3	13,930.6	10,499.3	40.2	34.7	-85.22	3,851.5	-165.3	983.3	909.1	74.27	13.240	
14,200.0	10,581.5	13,955.6	10,499.6	40.4	34.9	-85.22	3,876.5	-165.3	983.3	908.7	74.63	13.176	
14,225.0	10,581.8	13,980.6	10,499.8	40.6	35.1	-85.22	3,901.5	-165.3	983.3	908.3	74.99	13.113	
14,250.0	10,582.0	14,005.6	10,500.1	40.7	35.3	-85.22	3,926.5	-165.4	983.3	908.0	75.35	13.050	
14,275.0	10,582.3	14,030.6	10,500.3	40.9	35.5	-85.22	3,951.5	-165.4	983.3	907.6	75.71	12.987	
14,300.0	10,582.5	14,055.6	10,500.6	41.1	35.7	-85.22	3,976.5	-165.4	983.3	907.2	76.08	12.926	
14,325.0	10,582.8	14,080.6	10,500.9	41.3	35.9	-85.22	4,001.5	-165.5	983.3	906.9	76.44	12.864	
14,350.0	10,583.0	14,105.6	10,501.1	41.4	36.0	-85.22	4,026.5	-165.5	983.3	906.5	76.80	12.803	
14,375.0	10,583.2	14,130.6	10,501.4	41.6	36.2	-85.22	4,051.5	-165.5	983.3	906.1	77.17	12.743	
14,400.0	10,583.5	14,155.6	10,501.7	41.8	36.4	-85.23	4,076.5	-165.5	983.3	905.8	77.53	12.683	
14,425.0	10,583.7	14,180.6	10,501.9	42.0	36.6	-85.23	4,101.5	-165.6	983.3	905.4	77.90	12.624	
14,450.0	10,584.0	14,205.6	10,502.2	42.1	36.8	-85.23	4,126.5	-165.6	983.3	905.0	78.26	12.565	
14,475.0	10,584.2	14,230.6	10,502.4	42.3	37.0	-85.23	4,151.5	-165.6	983.3	904.7	78.63	12.506	
14,500.0	10,584.5	14,255.6	10,502.7	42.5	37.2	-85.23	4,176.5	-165.7	983.3	904.3	78.99	12.448	
14,525.0	10,584.7	14,280.6	10,503.0	42.7	37.4	-85.23	4,201.5	-165.7	983.3	903.9	79.36	12.390	
14,550.0	10,585.0	14,305.6	10,503.2	42.9	37.6	-85.23	4,226.5	-165.7	983.3	903.6	79.73	12.333	
14,575.0	10,585.2	14,330.6	10,503.5	43.0	37.8	-85.23	4,251.5	-165.8	983.3	903.2	80.10	12.276	
14,600.0	10,585.5	14,355.6	10,503.7	43.2	38.0	-85.23	4,276.5	-165.8	983.3	902.8	80.47	12.220	
14,625.0	10,585.7	14,380.6	10,504.0	43.4	38.2	-85.23	4,301.5	-165.8	983.3	902.5	80.84	12.164	
14,650.0	10,586.0	14,405.6	10,504.3	43.6	38.4	-85.23	4,326.5	-165.8	983.3	902.1	81.21	12.109	
14,675.0	10,586.2	14,430.6	10,504.5	43.8	38.6	-85.24	4,351.5	-165.9	983.3	901.7	81.58	12.054	
14,700.0	10,586.4	14,455.6	10,504.8	43.9	38.8	-85.24	4,376.5	-165.9	983.3	901.4	81.95	11.999	
14,725.0	10,586.7	14,480.6	10,505.0	44.1	39.0	-85.24	4,401.5	-165.9	983.3	901.0	82.32	11.945	
14,750.0	10,586.9	14,505.6	10,505.3	44.3	39.2	-85.24	4,426.5	-166.0	983.3	900.6	82.69	11.891	
14,775.0	10,587.2	14,530.6	10,505.6	44.5	39.4	-85.24	4,451.5	-166.0	983.3	900.2	83.06	11.838	
14,800.0	10,587.4	14,555.6	10,505.8	44.7	39.6	-85.24	4,476.5	-166.0	983.3	899.9	83.44	11.785	
14,825.0	10,587.7	14,580.6	10,506.1	44.8	39.8	-85.24	4,501.5	-166.0	983.3	899.5	83.81	11.732	
14,850.0	10,587.9	14,605.6	10,506.4	45.0	40.0	-85.24	4,526.5	-166.1	983.3	899.1	84.18	11.680	
14,875.0	10,588.2	14,630.6	10,506.6	45.2	40.2	-85.24	4,551.5	-166.1	983.3	898.7	84.56	11.629	
14,900.0	10,588.4	14,655.6	10,506.9	45.4	40.4	-85.24	4,576.5	-166.1	983.3	898.4	84.93	11.577	
14,925.0	10,588.7	14,680.6	10,507.1	45.6	40.6	-85.24	4,601.5	-166.2	983.3	898.0	85.31	11.526	
14,950.0	10,588.9	14,705.6	10,507.4	45.7	40.8	-85.24	4,626.5	-166.2	983.3	897.6	85.68	11.476	
14,975.0	10,589.2	14,730.6	10,507.7	45.9	41.0	-85.25	4,651.5	-166.2	983.3	897.2	86.06	11.426	
15,000.0	10,589.4	14,755.6	10,507.9	46.1	41.2	-85.25	4,676.5	-166.2	983.3	896.8	86.43	11.376	
15,025.0	10,589.6	14,780.6	10,508.2	46.3	41.4	-85.25	4,701.5	-166.3	983.3	896.5	86.81	11.327	
15,050.0	10,589.9	14,805.6	10,508.4	46.5	41.6	-85.25	4,726.5	-166.3	983.3	896.1	87.19	11.278	
15,075.0	10,590.1	14,830.6	10,508.7	46.7	41.8	-85.25	4,751.5	-166.3	983.3	895.7	87.57	11.229	
15,100.0	10,590.4	14,855.6	10,509.0	46.8	42.0	-85.25	4,776.5	-166.4	983.3	895.3	87.94	11.181	
15,125.0	10,590.6	14,880.6	10,509.2	47.0	42.2	-85.25	4,801.5	-166.4	983.3	895.0	88.32	11.133	
15,150.0	10,590.9	14,905.6	10,509.5	47.2	42.4	-85.25	4,826.5	-166.4	983.3	894.6	88.70	11.085	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
15,175.0	10,591.1	14,930.6	10,509.8	47.4	42.6	-85.25	4,851.5	-166.5	983.3	894.2	89.08	11.038	
15,200.0	10,591.4	14,955.6	10,510.0	47.6	42.8	-85.25	4,876.5	-166.5	983.3	893.8	89.46	10.991	
15,225.0	10,591.6	14,980.6	10,510.3	47.8	43.0	-85.25	4,901.5	-166.5	983.3	893.4	89.84	10.945	
15,250.0	10,591.9	15,005.6	10,510.5	48.0	43.2	-85.26	4,926.5	-166.5	983.3	893.0	90.22	10.898	
15,275.0	10,592.1	15,030.6	10,510.8	48.1	43.4	-85.26	4,951.5	-166.6	983.3	892.7	90.60	10.853	
15,300.0	10,592.4	15,055.6	10,511.1	48.3	43.6	-85.26	4,976.5	-166.6	983.3	892.3	90.98	10.807	
15,325.0	10,592.6	15,080.6	10,511.3	48.5	43.8	-85.26	5,001.5	-166.6	983.3	891.9	91.36	10.762	
15,350.0	10,592.8	15,105.6	10,511.6	48.7	44.0	-85.26	5,026.5	-166.7	983.3	891.5	91.75	10.717	
15,375.0	10,593.1	15,130.6	10,511.8	48.9	44.2	-85.26	5,051.5	-166.7	983.3	891.1	92.13	10.673	
15,400.0	10,593.3	15,155.6	10,512.1	49.1	44.5	-85.26	5,076.5	-166.7	983.3	890.8	92.51	10.629	
15,425.0	10,593.6	15,180.6	10,512.4	49.3	44.7	-85.26	5,101.5	-166.7	983.3	890.4	92.89	10.585	
15,450.0	10,593.8	15,205.6	10,512.6	49.4	44.9	-85.26	5,126.5	-166.8	983.3	890.0	93.28	10.541	
15,475.0	10,594.1	15,230.6	10,512.9	49.6	45.1	-85.26	5,151.5	-166.8	983.3	889.6	93.66	10.498	
15,500.0	10,594.3	15,255.6	10,513.1	49.8	45.3	-85.26	5,176.5	-166.8	983.3	889.2	94.04	10.455	
15,525.0	10,594.6	15,280.6	10,513.4	50.0	45.5	-85.27	5,201.5	-166.9	983.3	888.8	94.43	10.413	
15,550.0	10,594.8	15,305.6	10,513.7	50.2	45.7	-85.27	5,226.5	-166.9	983.3	888.4	94.81	10.370	
15,575.0	10,595.1	15,330.6	10,513.9	50.4	45.9	-85.27	5,251.5	-166.9	983.3	888.1	95.20	10.329	
15,600.0	10,595.3	15,355.6	10,514.2	50.6	46.1	-85.27	5,276.5	-167.0	983.3	887.7	95.58	10.287	
15,625.0	10,595.6	15,380.6	10,514.5	50.8	46.3	-85.27	5,301.5	-167.0	983.3	887.3	95.97	10.246	
15,650.0	10,595.8	15,405.6	10,514.7	51.0	46.5	-85.27	5,326.5	-167.0	983.3	886.9	96.35	10.205	
15,675.0	10,596.0	15,430.6	10,515.0	51.1	46.7	-85.27	5,351.5	-167.0	983.3	886.5	96.74	10.164	
15,700.0	10,596.3	15,455.6	10,515.2	51.3	46.9	-85.27	5,376.5	-167.1	983.2	886.1	97.13	10.123	
15,725.0	10,596.5	15,480.6	10,515.5	51.5	47.1	-85.27	5,401.5	-167.1	983.2	885.7	97.51	10.083	
15,750.0	10,596.8	15,505.6	10,515.8	51.7	47.3	-85.27	5,426.5	-167.1	983.2	885.3	97.90	10.043	
15,775.0	10,597.0	15,530.6	10,516.0	51.9	47.5	-85.27	5,451.5	-167.2	983.2	885.0	98.29	10.004	
15,800.0	10,597.3	15,555.6	10,516.3	52.1	47.7	-85.27	5,476.5	-167.2	983.2	884.6	98.67	9.965	
15,825.0	10,597.5	15,580.6	10,516.5	52.3	47.9	-85.28	5,501.5	-167.2	983.2	884.2	99.06	9.925	
15,850.0	10,597.8	15,605.6	10,516.8	52.5	48.1	-85.28	5,526.5	-167.2	983.2	883.8	99.45	9.887	
15,875.0	10,598.0	15,630.6	10,517.1	52.7	48.3	-85.28	5,551.4	-167.3	983.2	883.4	99.84	9.848	
15,900.0	10,598.3	15,655.6	10,517.3	52.9	48.5	-85.28	5,576.4	-167.3	983.2	883.0	100.23	9.810	
15,925.0	10,598.5	15,680.6	10,517.6	53.0	48.7	-85.28	5,601.4	-167.3	983.2	882.6	100.62	9.772	
15,950.0	10,598.8	15,705.6	10,517.9	53.2	48.9	-85.28	5,626.4	-167.4	983.2	882.2	101.01	9.735	
15,975.0	10,599.0	15,730.6	10,518.1	53.4	49.1	-85.28	5,651.4	-167.4	983.2	881.8	101.39	9.697	
16,000.0	10,599.2	15,755.6	10,518.4	53.6	49.3	-85.28	5,676.4	-167.4	983.2	881.5	101.78	9.660	
16,025.0	10,599.5	15,780.6	10,518.6	53.8	49.5	-85.28	5,701.4	-167.4	983.2	881.1	102.17	9.623	
16,050.0	10,599.7	15,805.6	10,518.9	54.0	49.8	-85.28	5,726.4	-167.5	983.2	880.7	102.56	9.586	
16,075.0	10,600.0	15,830.6	10,519.2	54.2	50.0	-85.28	5,751.4	-167.5	983.2	880.3	102.95	9.550	
16,100.0	10,600.2	15,855.6	10,519.4	54.4	50.2	-85.29	5,776.4	-167.5	983.2	879.9	103.35	9.514	
16,125.0	10,600.5	15,880.6	10,519.7	54.6	50.4	-85.29	5,801.4	-167.6	983.2	879.5	103.74	9.478	
16,150.0	10,600.7	15,905.6	10,519.9	54.8	50.6	-85.29	5,826.4	-167.6	983.2	879.1	104.13	9.443	
16,175.0	10,601.0	15,930.6	10,520.2	55.0	50.8	-85.29	5,851.4	-167.6	983.2	878.7	104.52	9.407	
16,200.0	10,601.2	15,955.6	10,520.5	55.2	51.0	-85.29	5,876.4	-167.7	983.2	878.3	104.91	9.372	
16,225.0	10,601.5	15,980.6	10,520.7	55.4	51.2	-85.29	5,901.4	-167.7	983.2	877.9	105.30	9.337	
16,250.0	10,601.7	16,005.6	10,521.0	55.6	51.4	-85.29	5,926.4	-167.7	983.2	877.5	105.69	9.303	
16,275.0	10,602.0	16,030.6	10,521.3	55.7	51.6	-85.29	5,951.4	-167.7	983.2	877.1	106.09	9.268	
16,300.0	10,602.2	16,055.6	10,521.5	55.9	51.8	-85.29	5,976.4	-167.8	983.2	876.7	106.48	9.234	
16,325.0	10,602.5	16,080.6	10,521.8	56.1	52.0	-85.29	6,001.4	-167.8	983.2	876.3	106.87	9.200	
16,350.0	10,602.7	16,105.6	10,522.0	56.3	52.2	-85.29	6,026.4	-167.8	983.2	876.0	107.26	9.166	
16,375.0	10,602.9	16,130.6	10,522.3	56.5	52.4	-85.29	6,051.4	-167.9	983.2	875.6	107.66	9.133	
16,400.0	10,603.2	16,155.6	10,522.6	56.7	52.6	-85.30	6,076.4	-167.9	983.2	875.2	108.05	9.100	
16,425.0	10,603.4	16,180.6	10,522.8	56.9	52.8	-85.30	6,101.4	-167.9	983.2	874.8	108.44	9.067	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
16,450.0	10,603.7	16,205.6	10,523.1	57.1	53.0	-85.30	6,126.4	-167.9	983.2	874.4	108.84	9.034	
16,475.0	10,603.9	16,230.6	10,523.3	57.3	53.3	-85.30	6,151.4	-168.0	983.2	874.0	109.23	9.001	
16,500.0	10,604.2	16,255.6	10,523.6	57.5	53.5	-85.30	6,176.4	-168.0	983.2	873.6	109.63	8.969	
16,525.0	10,604.4	16,280.6	10,523.9	57.7	53.7	-85.30	6,201.4	-168.0	983.2	873.2	110.02	8.937	
16,550.0	10,604.7	16,305.6	10,524.1	57.9	53.9	-85.30	6,226.4	-168.1	983.2	872.8	110.42	8.905	
16,575.0	10,604.9	16,330.6	10,524.4	58.1	54.1	-85.30	6,251.4	-168.1	983.2	872.4	110.81	8.873	
16,600.0	10,605.2	16,355.6	10,524.6	58.3	54.3	-85.30	6,276.4	-168.1	983.2	872.0	111.21	8.841	
16,625.0	10,605.4	16,380.6	10,524.9	58.5	54.5	-85.30	6,301.4	-168.2	983.2	871.6	111.60	8.810	
16,650.0	10,605.7	16,405.6	10,525.2	58.7	54.7	-85.30	6,326.4	-168.2	983.2	871.2	112.00	8.779	
16,675.0	10,605.9	16,430.6	10,525.4	58.9	54.9	-85.31	6,351.4	-168.2	983.2	870.8	112.39	8.748	
16,700.0	10,606.1	16,455.6	10,525.7	59.1	55.1	-85.31	6,376.4	-168.2	983.2	870.4	112.79	8.717	
16,725.0	10,606.4	16,480.6	10,526.0	59.2	55.3	-85.31	6,401.4	-168.3	983.2	870.0	113.18	8.687	
16,750.0	10,606.6	16,505.6	10,526.2	59.4	55.5	-85.31	6,426.4	-168.3	983.2	869.6	113.58	8.656	
16,775.0	10,606.9	16,530.6	10,526.5	59.6	55.7	-85.31	6,451.4	-168.3	983.2	869.2	113.98	8.626	
16,800.0	10,607.1	16,555.6	10,526.7	59.8	55.9	-85.31	6,476.4	-168.4	983.2	868.8	114.37	8.596	
16,825.0	10,607.4	16,580.6	10,527.0	60.0	56.1	-85.31	6,501.4	-168.4	983.2	868.4	114.77	8.567	
16,850.0	10,607.6	16,605.6	10,527.3	60.2	56.4	-85.31	6,526.4	-168.4	983.2	868.0	115.17	8.537	
16,875.0	10,607.9	16,630.6	10,527.5	60.4	56.6	-85.31	6,551.4	-168.4	983.2	867.6	115.56	8.508	
16,900.0	10,608.1	16,655.6	10,527.8	60.6	56.8	-85.31	6,576.4	-168.5	983.2	867.2	115.96	8.479	
16,925.0	10,608.4	16,680.6	10,528.0	60.8	57.0	-85.31	6,601.4	-168.5	983.2	866.8	116.36	8.450	
16,950.0	10,608.6	16,705.6	10,528.3	61.0	57.2	-85.32	6,626.4	-168.5	983.2	866.4	116.76	8.421	
16,975.0	10,608.9	16,730.6	10,528.6	61.2	57.4	-85.32	6,651.4	-168.6	983.2	866.0	117.15	8.392	
17,000.0	10,609.1	16,755.6	10,528.8	61.4	57.6	-85.32	6,676.4	-168.6	983.2	865.6	117.55	8.364	
17,025.0	10,609.3	16,780.6	10,529.1	61.6	57.8	-85.32	6,701.4	-168.6	983.2	865.2	117.95	8.336	
17,050.0	10,609.6	16,805.6	10,529.4	61.8	58.0	-85.32	6,726.4	-168.6	983.2	864.8	118.35	8.308	
17,075.0	10,609.8	16,830.6	10,529.6	62.0	58.2	-85.32	6,751.4	-168.7	983.2	864.4	118.75	8.280	
17,100.0	10,610.1	16,855.6	10,529.9	62.2	58.4	-85.32	6,776.4	-168.7	983.2	864.0	119.14	8.252	
17,125.0	10,610.3	16,880.6	10,530.1	62.4	58.6	-85.32	6,801.4	-168.7	983.2	863.6	119.54	8.224	
17,150.0	10,610.6	16,905.6	10,530.4	62.6	58.8	-85.32	6,826.4	-168.8	983.2	863.2	119.94	8.197	
17,175.0	10,610.8	16,930.6	10,530.7	62.8	59.1	-85.32	6,851.4	-168.8	983.2	862.8	120.34	8.170	
17,200.0	10,611.1	16,955.6	10,530.9	63.0	59.3	-85.32	6,876.4	-168.8	983.2	862.4	120.74	8.143	
17,225.0	10,611.3	16,980.6	10,531.2	63.2	59.5	-85.32	6,901.4	-168.9	983.2	862.0	121.14	8.116	
17,250.0	10,611.6	17,005.6	10,531.4	63.4	59.7	-85.33	6,926.4	-168.9	983.2	861.6	121.54	8.089	
17,275.0	10,611.8	17,030.6	10,531.7	63.6	59.9	-85.33	6,951.4	-168.9	983.2	861.2	121.94	8.063	
17,300.0	10,612.1	17,055.6	10,532.0	63.8	60.1	-85.33	6,976.4	-168.9	983.2	860.8	122.34	8.037	
17,325.0	10,612.3	17,080.6	10,532.2	64.0	60.3	-85.33	7,001.4	-169.0	983.2	860.4	122.74	8.010	
17,350.0	10,612.5	17,105.6	10,532.5	64.2	60.5	-85.33	7,026.4	-169.0	983.2	860.0	123.14	7.984	
17,375.0	10,612.8	17,130.6	10,532.8	64.4	60.7	-85.33	7,051.4	-169.0	983.2	859.6	123.54	7.958	
17,400.0	10,613.0	17,155.6	10,533.0	64.6	60.9	-85.33	7,076.4	-169.1	983.2	859.2	123.94	7.933	
17,425.0	10,613.3	17,180.6	10,533.3	64.8	61.1	-85.33	7,101.4	-169.1	983.2	858.8	124.34	7.907	
17,450.0	10,613.5	17,205.6	10,533.5	65.0	61.3	-85.33	7,126.4	-169.1	983.2	858.4	124.74	7.882	
17,475.0	10,613.8	17,230.6	10,533.8	65.2	61.5	-85.33	7,151.4	-169.1	983.2	858.0	125.14	7.856	
17,500.0	10,614.0	17,255.6	10,534.1	65.4	61.8	-85.33	7,176.4	-169.2	983.2	857.6	125.54	7.831	
17,525.0	10,614.3	17,280.6	10,534.3	65.6	62.0	-85.34	7,201.4	-169.2	983.2	857.2	125.94	7.806	
17,550.0	10,614.5	17,305.6	10,534.6	65.8	62.2	-85.34	7,226.4	-169.2	983.2	856.8	126.34	7.782	
17,575.0	10,614.8	17,330.6	10,534.8	66.0	62.4	-85.34	7,251.4	-169.3	983.2	856.4	126.75	7.757	
17,600.0	10,615.0	17,355.6	10,535.1	66.2	62.6	-85.34	7,276.4	-169.3	983.2	856.0	127.15	7.732	
17,625.0	10,615.3	17,380.6	10,535.4	66.4	62.8	-85.34	7,301.4	-169.3	983.2	855.6	127.55	7.708	
17,650.0	10,615.5	17,405.6	10,535.6	66.6	63.0	-85.34	7,326.4	-169.4	983.2	855.2	127.95	7.684	
17,675.0	10,615.7	17,430.6	10,535.9	66.8	63.2	-85.34	7,351.3	-169.4	983.2	854.8	128.35	7.660	
17,700.0	10,616.0	17,455.6	10,536.1	67.0	63.4	-85.34	7,376.3	-169.4	983.2	854.4	128.75	7.636	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
17,725.0	10,616.2	17,480.6	10,536.4	67.2	63.6	-85.34	7,401.3	-169.4	983.2	854.0	129.16	7.612	
17,750.0	10,616.5	17,505.6	10,536.7	67.4	63.8	-85.34	7,426.3	-169.5	983.2	853.6	129.56	7.588	
17,775.0	10,616.7	17,530.6	10,536.9	67.6	64.0	-85.34	7,451.3	-169.5	983.2	853.2	129.96	7.565	
17,800.0	10,617.0	17,555.6	10,537.2	67.8	64.3	-85.34	7,476.3	-169.5	983.1	852.8	130.36	7.542	
17,825.0	10,617.2	17,580.6	10,537.5	68.0	64.5	-85.35	7,501.3	-169.6	983.1	852.4	130.77	7.518	
17,850.0	10,617.5	17,605.6	10,537.7	68.2	64.7	-85.35	7,526.3	-169.6	983.1	852.0	131.17	7.495	
17,875.0	10,617.7	17,630.6	10,538.0	68.4	64.9	-85.35	7,551.3	-169.6	983.1	851.6	131.57	7.472	
17,900.0	10,618.0	17,655.6	10,538.2	68.6	65.1	-85.35	7,576.3	-169.6	983.1	851.2	131.97	7.449	
17,925.0	10,618.2	17,680.6	10,538.5	68.8	65.3	-85.35	7,601.3	-169.7	983.1	850.8	132.38	7.427	
17,950.0	10,618.5	17,705.6	10,538.8	69.0	65.5	-85.35	7,626.3	-169.7	983.1	850.4	132.78	7.404	
17,975.0	10,618.7	17,730.6	10,539.0	69.2	65.7	-85.35	7,651.3	-169.7	983.1	850.0	133.18	7.382	
18,000.0	10,618.9	17,755.6	10,539.3	69.4	65.9	-85.35	7,676.3	-169.8	983.1	849.6	133.59	7.360	
18,025.0	10,619.2	17,780.6	10,539.5	69.6	66.1	-85.35	7,701.3	-169.8	983.1	849.1	133.99	7.337	
18,050.0	10,619.4	17,805.6	10,539.8	69.8	66.3	-85.35	7,726.3	-169.8	983.1	848.7	134.39	7.315	
18,075.0	10,619.7	17,830.6	10,540.1	70.0	66.6	-85.35	7,751.3	-169.8	983.1	848.3	134.80	7.293	
18,100.0	10,619.9	17,855.6	10,540.3	70.2	66.8	-85.36	7,776.3	-169.9	983.1	847.9	135.20	7.272	
18,125.0	10,620.2	17,880.6	10,540.6	70.4	67.0	-85.36	7,801.3	-169.9	983.1	847.5	135.61	7.250	
18,150.0	10,620.4	17,905.6	10,540.9	70.6	67.2	-85.36	7,826.3	-169.9	983.1	847.1	136.01	7.228	
18,175.0	10,620.7	17,930.6	10,541.1	70.8	67.4	-85.36	7,851.3	-170.0	983.1	846.7	136.41	7.207	
18,200.0	10,620.9	17,955.6	10,541.4	71.0	67.6	-85.36	7,876.3	-170.0	983.1	846.3	136.82	7.186	
18,225.0	10,621.2	17,980.6	10,541.6	71.2	67.8	-85.36	7,901.3	-170.0	983.1	845.9	137.22	7.164	
18,250.0	10,621.4	18,005.6	10,541.9	71.4	68.0	-85.36	7,926.3	-170.1	983.1	845.5	137.63	7.143	
18,275.0	10,621.7	18,030.6	10,542.2	71.6	68.2	-85.36	7,951.3	-170.1	983.1	845.1	138.03	7.122	
18,300.0	10,621.9	18,055.6	10,542.4	71.8	68.4	-85.36	7,976.3	-170.1	983.1	844.7	138.44	7.102	
18,325.0	10,622.1	18,080.6	10,542.7	72.0	68.7	-85.36	8,001.3	-170.1	983.1	844.3	138.84	7.081	
18,350.0	10,622.4	18,105.6	10,542.9	72.2	68.9	-85.36	8,026.3	-170.2	983.1	843.9	139.25	7.060	
18,375.0	10,622.6	18,130.6	10,543.2	72.4	69.1	-85.37	8,051.3	-170.2	983.1	843.5	139.65	7.040	
18,400.0	10,622.9	18,155.6	10,543.5	72.6	69.3	-85.37	8,076.3	-170.2	983.1	843.1	140.06	7.019	
18,425.0	10,623.1	18,180.6	10,543.7	72.8	69.5	-85.37	8,101.3	-170.3	983.1	842.7	140.46	6.999	
18,450.0	10,623.4	18,205.6	10,544.0	73.0	69.7	-85.37	8,126.3	-170.3	983.1	842.3	140.87	6.979	
18,475.0	10,623.6	18,230.6	10,544.3	73.2	69.9	-85.37	8,151.3	-170.3	983.1	841.8	141.27	6.959	
18,500.0	10,623.9	18,255.6	10,544.5	73.4	70.1	-85.37	8,176.3	-170.3	983.1	841.4	141.68	6.939	
18,525.0	10,624.1	18,280.6	10,544.8	73.6	70.3	-85.37	8,201.3	-170.4	983.1	841.0	142.08	6.919	
18,550.0	10,624.4	18,305.6	10,545.0	73.8	70.5	-85.37	8,226.3	-170.4	983.1	840.6	142.49	6.900	
18,575.0	10,624.6	18,330.6	10,545.3	74.0	70.7	-85.37	8,251.3	-170.4	983.1	840.2	142.90	6.880	
18,600.0	10,624.9	18,355.6	10,545.6	74.2	71.0	-85.37	8,276.3	-170.5	983.1	839.8	143.30	6.860	
18,625.0	10,625.1	18,380.6	10,545.8	74.4	71.2	-85.37	8,301.3	-170.5	983.1	839.4	143.71	6.841	
18,650.0	10,625.4	18,405.6	10,546.1	74.6	71.4	-85.37	8,326.3	-170.5	983.1	839.0	144.11	6.822	
18,675.0	10,625.6	18,430.6	10,546.3	74.8	71.6	-85.38	8,351.3	-170.6	983.1	838.6	144.52	6.803	
18,700.0	10,625.8	18,455.6	10,546.6	75.0	71.8	-85.38	8,376.3	-170.6	983.1	838.2	144.93	6.784	
18,725.0	10,626.1	18,480.6	10,546.9	75.2	72.0	-85.38	8,401.3	-170.6	983.1	837.8	145.33	6.765	
18,750.0	10,626.3	18,505.6	10,547.1	75.4	72.2	-85.38	8,426.3	-170.6	983.1	837.4	145.74	6.746	
18,775.0	10,626.6	18,530.6	10,547.4	75.7	72.4	-85.38	8,451.3	-170.7	983.1	837.0	146.15	6.727	
18,800.0	10,626.8	18,555.6	10,547.6	75.9	72.6	-85.38	8,476.3	-170.7	983.1	836.6	146.55	6.708	
18,825.0	10,627.1	18,580.6	10,547.9	76.1	72.8	-85.38	8,501.3	-170.7	983.1	836.1	146.96	6.690	
18,850.0	10,627.3	18,605.6	10,548.2	76.3	73.1	-85.38	8,526.3	-170.8	983.1	835.7	147.37	6.671	
18,875.0	10,627.6	18,630.6	10,548.4	76.5	73.3	-85.38	8,551.3	-170.8	983.1	835.3	147.77	6.653	
18,900.0	10,627.8	18,655.6	10,548.7	76.7	73.5	-85.38	8,576.3	-170.8	983.1	834.9	148.18	6.635	
18,925.0	10,628.1	18,680.6	10,549.0	76.9	73.7	-85.38	8,601.3	-170.8	983.1	834.5	148.59	6.616	
18,950.0	10,628.3	18,705.6	10,549.2	77.1	73.9	-85.39	8,626.3	-170.9	983.1	834.1	148.99	6.598	
18,975.0	10,628.6	18,730.6	10,549.5	77.3	74.1	-85.39	8,651.3	-170.9	983.1	833.7	149.40	6.580	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
19,000.0	10,628.8	18,755.6	10,549.7	77.5	74.3	-85.39	8,676.3	-170.9	983.1	833.3	149.81	6.562	
19,025.0	10,629.0	18,780.6	10,550.0	77.7	74.5	-85.39	8,701.3	-171.0	983.1	832.9	150.21	6.545	
19,050.0	10,629.3	18,805.6	10,550.3	77.9	74.7	-85.39	8,726.3	-171.0	983.1	832.5	150.62	6.527	
19,075.0	10,629.5	18,830.6	10,550.5	78.1	74.9	-85.39	8,751.3	-171.0	983.1	832.1	151.03	6.509	
19,100.0	10,629.8	18,855.6	10,550.8	78.3	75.2	-85.39	8,776.3	-171.0	983.1	831.7	151.44	6.492	
19,125.0	10,630.0	18,880.6	10,551.0	78.5	75.4	-85.39	8,801.3	-171.1	983.1	831.2	151.85	6.474	
19,150.0	10,630.3	18,905.6	10,551.3	78.7	75.6	-85.39	8,826.3	-171.1	983.1	830.8	152.25	6.457	
19,175.0	10,630.5	18,930.6	10,551.6	78.9	75.8	-85.39	8,851.3	-171.1	983.1	830.4	152.66	6.440	
19,200.0	10,630.8	18,955.6	10,551.8	79.1	76.0	-85.39	8,876.3	-171.2	983.1	830.0	153.07	6.423	
19,225.0	10,631.0	18,980.6	10,552.1	79.3	76.2	-85.39	8,901.3	-171.2	983.1	829.6	153.48	6.405	
19,250.0	10,631.3	19,005.6	10,552.4	79.5	76.4	-85.40	8,926.3	-171.2	983.1	829.2	153.88	6.388	
19,275.0	10,631.5	19,030.6	10,552.6	79.7	76.6	-85.40	8,951.3	-171.3	983.1	828.8	154.29	6.372	
19,300.0	10,631.8	19,055.6	10,552.9	79.9	76.8	-85.40	8,976.3	-171.3	983.1	828.4	154.70	6.355	
19,325.0	10,632.0	19,080.6	10,553.1	80.1	77.0	-85.40	9,001.3	-171.3	983.1	828.0	155.11	6.338	
19,350.0	10,632.2	19,105.6	10,553.4	80.3	77.3	-85.40	9,026.3	-171.3	983.1	827.6	155.52	6.321	
19,375.0	10,632.5	19,130.6	10,553.7	80.5	77.5	-85.40	9,051.3	-171.4	983.1	827.2	155.93	6.305	
19,400.0	10,632.7	19,155.6	10,553.9	80.7	77.7	-85.40	9,076.3	-171.4	983.1	826.7	156.33	6.288	
19,425.0	10,633.0	19,180.6	10,554.2	81.0	77.9	-85.40	9,101.3	-171.4	983.1	826.3	156.74	6.272	
19,450.0	10,633.2	19,205.6	10,554.4	81.2	78.1	-85.40	9,126.3	-171.5	983.1	825.9	157.15	6.256	
19,475.0	10,633.5	19,230.6	10,554.7	81.4	78.3	-85.40	9,151.2	-171.5	983.1	825.5	157.56	6.239	
19,500.0	10,633.7	19,255.6	10,555.0	81.6	78.5	-85.40	9,176.2	-171.5	983.1	825.1	157.97	6.223	
19,525.0	10,634.0	19,280.6	10,555.2	81.8	78.7	-85.41	9,201.2	-171.5	983.1	824.7	158.38	6.207	
19,550.0	10,634.2	19,305.6	10,555.5	82.0	78.9	-85.41	9,226.2	-171.6	983.1	824.3	158.79	6.191	
19,575.0	10,634.5	19,330.6	10,555.7	82.2	79.2	-85.41	9,251.2	-171.6	983.1	823.9	159.20	6.175	
19,600.0	10,634.7	19,355.6	10,556.0	82.4	79.4	-85.41	9,276.2	-171.6	983.1	823.5	159.60	6.159	
19,625.0	10,635.0	19,380.6	10,556.3	82.6	79.6	-85.41	9,301.2	-171.7	983.1	823.1	160.01	6.144	
19,650.0	10,635.2	19,405.6	10,556.5	82.8	79.8	-85.41	9,326.2	-171.7	983.1	822.6	160.42	6.128	
19,675.0	10,635.4	19,430.6	10,556.8	83.0	80.0	-85.41	9,351.2	-171.7	983.1	822.2	160.83	6.112	
19,700.0	10,635.7	19,455.6	10,557.1	83.2	80.2	-85.41	9,376.2	-171.8	983.1	821.8	161.24	6.097	
19,725.0	10,635.9	19,480.6	10,557.3	83.4	80.4	-85.41	9,401.2	-171.8	983.1	821.4	161.65	6.081	
19,750.0	10,636.2	19,505.6	10,557.6	83.6	80.6	-85.41	9,426.2	-171.8	983.1	821.0	162.06	6.066	
19,775.0	10,636.4	19,530.6	10,557.8	83.8	80.8	-85.41	9,451.2	-171.8	983.1	820.6	162.47	6.051	
19,800.0	10,636.7	19,555.6	10,558.1	84.0	81.1	-85.42	9,476.2	-171.9	983.1	820.2	162.88	6.036	
19,825.0	10,636.9	19,580.6	10,558.4	84.2	81.3	-85.42	9,501.2	-171.9	983.1	819.8	163.29	6.020	
19,850.0	10,637.2	19,605.6	10,558.6	84.4	81.5	-85.42	9,526.2	-171.9	983.1	819.4	163.70	6.005	
19,875.0	10,637.4	19,630.6	10,558.9	84.6	81.7	-85.42	9,551.2	-172.0	983.1	818.9	164.11	5.990	
19,900.0	10,637.7	19,655.6	10,559.1	84.8	81.9	-85.42	9,576.2	-172.0	983.1	818.5	164.52	5.975	
19,925.0	10,637.9	19,680.6	10,559.4	85.1	82.1	-85.42	9,601.2	-172.0	983.1	818.1	164.93	5.961	
19,950.0	10,638.2	19,705.6	10,559.7	85.3	82.3	-85.42	9,626.2	-172.0	983.0	817.7	165.34	5.946	
19,975.0	10,638.4	19,730.6	10,559.9	85.5	82.5	-85.42	9,651.2	-172.1	983.0	817.3	165.75	5.931	
20,000.0	10,638.6	19,755.6	10,560.2	85.7	82.7	-85.42	9,676.2	-172.1	983.0	816.9	166.16	5.916	
20,025.0	10,638.9	19,780.6	10,560.5	85.9	82.9	-85.42	9,701.2	-172.1	983.0	816.5	166.57	5.902	
20,050.0	10,639.1	19,805.6	10,560.7	86.1	83.2	-85.42	9,726.2	-172.2	983.0	816.1	166.98	5.887	
20,075.0	10,639.4	19,830.6	10,561.0	86.3	83.4	-85.42	9,751.2	-172.2	983.0	815.7	167.39	5.873	
20,100.0	10,639.6	19,855.6	10,561.2	86.5	83.6	-85.43	9,776.2	-172.2	983.0	815.2	167.80	5.858	
20,125.0	10,639.9	19,880.6	10,561.5	86.7	83.8	-85.43	9,801.2	-172.2	983.0	814.8	168.21	5.844	
20,150.0	10,640.1	19,905.6	10,561.8	86.9	84.0	-85.43	9,826.2	-172.3	983.0	814.4	168.62	5.830	
20,175.0	10,640.4	19,930.6	10,562.0	87.1	84.2	-85.43	9,851.2	-172.3	983.0	814.0	169.03	5.816	
20,200.0	10,640.6	19,955.6	10,562.3	87.3	84.4	-85.43	9,876.2	-172.3	983.0	813.6	169.44	5.802	
20,225.0	10,640.9	19,980.6	10,562.5	87.5	84.6	-85.43	9,901.2	-172.4	983.0	813.2	169.85	5.788	
20,250.0	10,641.1	20,005.6	10,562.8	87.7	84.8	-85.43	9,926.2	-172.4	983.0	812.8	170.26	5.774	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10000-r.5 MWD+IFR1+SAG+FDIR **Rule Assigned:** **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
20,275.0	10,641.4	20,030.6	10,563.1	87.9	85.1	-85.43	9,951.2	-172.4	983.0	812.4	170.67	5.760	
20,300.0	10,641.6	20,055.6	10,563.3	88.1	85.3	-85.43	9,976.2	-172.5	983.0	812.0	171.08	5.746	
20,325.0	10,641.8	20,080.6	10,563.6	88.3	85.5	-85.43	10,001.2	-172.5	983.0	811.5	171.49	5.732	
20,350.0	10,642.1	20,105.6	10,563.9	88.6	85.7	-85.43	10,026.2	-172.5	983.0	811.1	171.90	5.719	
20,375.0	10,642.3	20,130.6	10,564.1	88.8	85.9	-85.44	10,051.2	-172.5	983.0	810.7	172.31	5.705	
20,400.0	10,642.6	20,155.6	10,564.4	89.0	86.1	-85.44	10,076.2	-172.6	983.0	810.3	172.73	5.691	
20,425.0	10,642.8	20,180.6	10,564.6	89.2	86.3	-85.44	10,101.2	-172.6	983.0	809.9	173.14	5.678	
20,450.0	10,643.1	20,205.6	10,564.9	89.4	86.5	-85.44	10,126.2	-172.6	983.0	809.5	173.55	5.664	
20,475.0	10,643.3	20,230.6	10,565.2	89.6	86.7	-85.44	10,151.2	-172.7	983.0	809.1	173.96	5.651	
20,500.0	10,643.6	20,255.6	10,565.4	89.8	87.0	-85.44	10,176.2	-172.7	983.0	808.7	174.37	5.638	
20,525.0	10,643.8	20,280.6	10,565.7	90.0	87.2	-85.44	10,201.2	-172.7	983.0	808.2	174.78	5.624	
20,550.0	10,644.1	20,305.6	10,565.9	90.2	87.4	-85.44	10,226.2	-172.7	983.0	807.8	175.19	5.611	
20,575.0	10,644.3	20,330.6	10,566.2	90.4	87.6	-85.44	10,251.2	-172.8	983.0	807.4	175.60	5.598	
20,600.0	10,644.6	20,355.6	10,566.5	90.6	87.8	-85.44	10,276.2	-172.8	983.0	807.0	176.01	5.585	
20,625.0	10,644.8	20,380.6	10,566.7	90.8	88.0	-85.44	10,301.2	-172.8	983.0	806.6	176.43	5.572	
20,650.0	10,645.1	20,405.6	10,567.0	91.0	88.2	-85.45	10,326.2	-172.9	983.0	806.2	176.84	5.559	
20,675.0	10,645.3	20,430.6	10,567.2	91.2	88.4	-85.45	10,351.2	-172.9	983.0	805.8	177.25	5.546	
20,700.0	10,645.5	20,455.6	10,567.5	91.4	88.7	-85.45	10,376.2	-172.9	983.0	805.4	177.66	5.533	
20,725.0	10,645.8	20,480.6	10,567.8	91.7	88.9	-85.45	10,401.2	-173.0	983.0	804.9	178.07	5.520	
20,750.0	10,646.0	20,505.6	10,568.0	91.9	89.1	-85.45	10,426.2	-173.0	983.0	804.5	178.48	5.508	
20,775.0	10,646.3	20,530.6	10,568.3	92.1	89.3	-85.45	10,451.2	-173.0	983.0	804.1	178.90	5.495	
20,800.0	10,646.5	20,555.6	10,568.6	92.3	89.5	-85.45	10,476.2	-173.0	983.0	803.7	179.31	5.482	
20,825.0	10,646.8	20,580.6	10,568.8	92.5	89.7	-85.45	10,501.2	-173.1	983.0	803.3	179.72	5.470	
20,850.0	10,647.0	20,605.6	10,569.1	92.7	89.9	-85.45	10,526.2	-173.1	983.0	802.9	180.13	5.457	
20,875.0	10,647.3	20,630.6	10,569.3	92.9	90.1	-85.45	10,551.2	-173.1	983.0	802.5	180.54	5.445	
20,900.0	10,647.5	20,655.6	10,569.6	93.1	90.3	-85.45	10,576.2	-173.2	983.0	802.1	180.95	5.432	
20,925.0	10,647.8	20,680.6	10,569.9	93.3	90.6	-85.45	10,601.2	-173.2	983.0	801.6	181.36	5.420	
20,938.4	10,647.9	20,694.0	10,570.0	93.4	90.7	-85.46	10,614.6	-173.2	983.0	801.4	181.59	5.413	
20,949.4	10,648.0	20,694.2	10,570.0	93.5	90.7	-85.46	10,614.7	-173.2	983.1	801.4	181.65	5.412 SF	
20,950.0	10,648.0	20,694.2	10,570.0	93.5	90.7	-85.46	10,614.7	-173.2	983.1	801.4	181.65	5.412	
20,950.4	10,648.0	20,694.2	10,570.0	93.5	90.7	-85.46	10,614.7	-173.2	983.1	801.4	181.65	5.412	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.48	60.0	-0.5	60.0				
25.0	25.0	24.9	24.9	0.5	0.1	-0.48	60.0	-0.5	60.0				
50.0	50.0	49.9	49.9	0.5	0.3	-0.48	60.0	-0.5	60.0	58.7	1.28	46.780	
75.0	75.0	74.9	74.9	0.5	0.4	-0.48	60.0	-0.5	60.0	58.6	1.38	43.561	
100.0	100.0	99.9	99.9	0.5	0.5	-0.48	60.0	-0.5	60.0	58.5	1.50	40.124	
125.0	125.0	124.9	124.9	0.6	0.6	-0.48	60.0	-0.5	60.0	58.3	1.75	34.347	
150.0	150.0	149.9	149.9	0.8	0.8	-0.48	60.0	-0.5	60.0	58.0	2.00	30.024	
175.0	175.0	174.9	174.9	0.9	0.9	-0.48	60.0	-0.5	60.0	57.8	2.25	26.668	
200.0	200.0	199.9	199.9	1.0	1.0	-0.48	60.0	-0.5	60.0	57.5	2.50	23.986	
225.0	225.0	224.9	224.9	1.1	1.1	-0.48	60.0	-0.5	60.0	57.3	2.67	22.481	
250.0	250.0	249.9	249.9	1.2	1.2	-0.48	60.0	-0.5	60.0	57.2	2.84	21.155	
275.0	275.0	274.9	274.9	1.3	1.3	-0.48	60.0	-0.5	60.0	57.0	3.00	19.977	
300.0	300.0	299.9	299.9	1.4	1.4	-0.48	60.0	-0.5	60.0	56.8	3.17	18.922	
325.0	325.0	324.9	324.9	1.4	1.4	-0.48	60.0	-0.5	60.0	56.7	3.31	18.138	
350.0	350.0	349.9	349.9	1.5	1.5	-0.48	60.0	-0.5	60.0	56.6	3.45	17.416	
375.0	375.0	374.9	374.9	1.6	1.6	-0.48	60.0	-0.5	60.0	56.4	3.58	16.750	
400.0	400.0	399.9	399.9	1.6	1.6	-0.48	60.0	-0.5	60.0	56.3	3.72	16.133	
425.0	425.0	424.9	424.9	1.7	1.7	-0.48	60.0	-0.5	60.0	56.2	3.84	15.627	
450.0	450.0	449.9	449.9	1.8	1.8	-0.48	60.0	-0.5	60.0	56.0	3.96	15.152	
475.0	475.0	474.9	474.9	1.8	1.8	-0.48	60.0	-0.5	60.0	55.9	4.08	14.705	
500.0	500.0	499.9	499.9	1.9	1.9	-0.48	60.0	-0.5	60.0	55.8	4.20	14.284	
525.0	525.0	524.9	524.9	1.9	1.9	-0.48	60.0	-0.5	60.0	55.7	4.31	13.922	
550.0	550.0	549.9	549.9	2.0	2.0	-0.48	60.0	-0.5	60.0	55.6	4.42	13.577	
575.0	575.0	574.9	574.9	2.1	2.1	-0.48	60.0	-0.5	60.0	55.5	4.53	13.249	
600.0	600.0	599.9	599.9	2.1	2.1	-0.48	60.0	-0.5	60.0	55.4	4.64	12.937	
625.0	625.0	624.9	624.9	2.2	2.2	-0.48	60.0	-0.5	60.0	55.3	4.74	12.660	
650.0	650.0	649.9	649.9	2.2	2.2	-0.48	60.0	-0.5	60.0	55.2	4.84	12.394	
675.0	675.0	674.9	674.9	2.3	2.3	-0.48	60.0	-0.5	60.0	55.1	4.94	12.139	
700.0	700.0	699.9	699.9	2.3	2.3	-0.48	60.0	-0.5	60.0	55.0	5.04	11.895	
725.0	725.0	724.9	724.9	2.4	2.4	-0.48	60.0	-0.5	60.0	54.9	5.14	11.673	
750.0	750.0	749.9	749.9	2.4	2.4	-0.48	60.0	-0.5	60.0	54.8	5.24	11.460	
775.0	775.0	774.9	774.9	2.5	2.5	-0.48	60.0	-0.5	60.0	54.7	5.33	11.254	
800.0	800.0	799.9	799.9	2.5	2.5	-0.48	60.0	-0.5	60.0	54.6	5.43	11.056	
825.0	825.0	824.9	824.9	2.6	2.6	-0.48	60.0	-0.5	60.0	54.5	5.52	10.873	
850.0	850.0	849.9	849.9	2.6	2.6	-0.48	60.0	-0.5	60.0	54.4	5.61	10.697	
875.0	875.0	874.9	874.9	2.6	2.6	-0.48	60.0	-0.5	60.0	54.3	5.70	10.526	
900.0	900.0	899.9	899.9	2.7	2.7	-0.48	60.0	-0.5	60.0	54.2	5.79	10.360	
925.0	925.0	924.9	924.9	2.7	2.7	-0.48	60.0	-0.5	60.0	54.1	5.88	10.206	
950.0	950.0	949.9	949.9	2.8	2.8	-0.48	60.0	-0.5	60.0	54.0	5.97	10.056	
975.0	975.0	974.9	974.9	2.8	2.8	-0.48	60.0	-0.5	60.0	53.9	6.05	9.911	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	-0.48	60.0	-0.5	60.0	53.9	6.14	9.770	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	-0.48	60.0	-0.5	60.0	53.8	6.23	9.638	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	-0.48	60.0	-0.5	60.0	53.7	6.31	9.509	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	-0.48	60.0	-0.5	60.0	53.6	6.39	9.384	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	-0.48	60.0	-0.5	60.0	53.5	6.48	9.261	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	-0.48	60.0	-0.5	60.0	53.4	6.56	9.146	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	-0.48	60.0	-0.5	60.0	53.4	6.64	9.033	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	-0.48	60.0	-0.5	60.0	53.3	6.72	8.924	
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	-0.48	60.0	-0.5	60.0	53.2	6.81	8.816	
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	-0.48	60.0	-0.5	60.0	53.1	6.89	8.714	
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	-0.48	60.0	-0.5	60.0	53.0	6.96	8.615	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	-0.48	60.0	-0.5	60.0	53.0	7.04	8.518	
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	-0.48	60.0	-0.5	60.0	52.9	7.12	8.422	
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	-0.48	60.0	-0.5	60.0	52.8	7.20	8.332	
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	-0.48	60.0	-0.5	60.0	52.7	7.28	8.243	
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	-0.48	60.0	-0.5	60.0	52.6	7.36	8.156	
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	-0.48	60.0	-0.5	60.0	52.6	7.43	8.070	
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	-0.48	60.0	-0.5	60.0	52.5	7.51	7.989	
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	-0.48	60.0	-0.5	60.0	52.4	7.59	7.909	
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	-0.48	60.0	-0.5	60.0	52.3	7.66	7.830	
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	-0.48	60.0	-0.5	60.0	52.3	7.74	7.753	
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	-0.48	60.0	-0.5	60.0	52.2	7.81	7.679	
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	-0.48	60.0	-0.5	60.0	52.1	7.89	7.607	
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	-0.48	60.0	-0.5	60.0	52.0	7.96	7.535	
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	-0.48	60.0	-0.5	60.0	52.0	8.04	7.465	
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	-0.48	60.0	-0.5	60.0	51.9	8.11	7.398	
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	-0.48	60.0	-0.5	60.0	51.8	8.18	7.332	
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	-0.48	60.0	-0.5	60.0	51.7	8.26	7.267	
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	-0.48	60.0	-0.5	60.0	51.7	8.33	7.203	
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	-0.48	60.0	-0.5	60.0	51.6	8.40	7.141	
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	-0.48	60.0	-0.5	60.0	51.5	8.47	7.080	
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	-0.48	60.0	-0.5	60.0	51.5	8.55	7.020	
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	-0.48	60.0	-0.5	60.0	51.4	8.62	6.961	
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	-0.48	60.0	-0.5	60.0	51.3	8.69	6.904	
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	-0.48	60.0	-0.5	60.0	51.2	8.76	6.848	
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	-0.48	60.0	-0.5	60.0	51.2	8.83	6.793	
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	-0.48	60.0	-0.5	60.0	51.1	8.90	6.739	
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	-0.48	60.0	-0.5	60.0	51.0	8.97	6.686	
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	-0.48	60.0	-0.5	60.0	51.0	9.04	6.634	
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	-0.48	60.0	-0.5	60.0	50.9	9.11	6.583	
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	-0.48	60.0	-0.5	60.0	50.8	9.18	6.533 CC	
2,025.0	2,025.0	2,024.8	2,024.8	4.5	4.4	-0.58	60.0	-0.6	60.0	50.8	9.26	6.480	
2,050.0	2,050.0	2,049.7	2,049.7	4.5	4.5	-0.88	60.1	-0.9	60.1	50.7	9.34	6.432 ES	
2,075.0	2,075.0	2,074.6	2,074.6	4.6	4.5	-1.39	60.1	-1.5	60.2	50.7	9.42	6.389	
2,100.0	2,100.0	2,099.5	2,099.5	4.6	4.5	-2.10	60.3	-2.2	60.3	50.8	9.49	6.352	
2,125.0	2,125.0	2,124.4	2,124.4	4.7	4.6	-3.00	60.4	-3.2	60.5	50.9	9.57	6.320	
2,150.0	2,150.0	2,149.3	2,149.2	4.7	4.6	-4.10	60.6	-4.3	60.7	51.1	9.65	6.295	
2,175.0	2,175.0	2,174.1	2,174.0	4.7	4.6	-5.38	60.8	-5.7	61.1	51.3	9.73	6.278	
2,200.0	2,200.0	2,198.9	2,198.8	4.8	4.7	-6.84	61.0	-7.3	61.5	51.7	9.80	6.271 SF	
2,225.0	2,225.0	2,223.7	2,223.5	4.8	4.7	-8.47	61.3	-9.1	62.0	52.1	9.88	6.276	
2,250.0	2,250.0	2,248.5	2,248.1	4.8	4.8	-10.25	61.6	-11.1	62.6	52.7	9.95	6.294	
2,275.0	2,275.0	2,273.2	2,272.7	4.9	4.8	-12.18	61.9	-13.4	63.4	53.4	10.03	6.325	
2,300.0	2,300.0	2,297.8	2,297.3	4.9	4.9	-14.22	62.3	-15.8	64.3	54.2	10.10	6.371	
2,325.0	2,325.0	2,322.5	2,321.8	5.0	4.9	-16.37	62.7	-18.4	65.4	55.3	10.17	6.434	
2,350.0	2,350.0	2,347.0	2,346.2	5.0	5.0	-18.61	63.1	-21.3	66.7	56.5	10.24	6.514	
2,375.0	2,375.0	2,371.6	2,370.5	5.0	5.0	-20.90	63.6	-24.3	68.2	57.9	10.32	6.613	
2,400.0	2,400.0	2,396.0	2,394.8	5.1	5.1	-23.24	64.1	-27.5	69.9	59.6	10.39	6.731	
2,425.0	2,425.0	2,420.5	2,418.9	5.1	5.2	-25.60	64.6	-31.0	71.9	61.4	10.47	6.869	
2,450.0	2,450.0	2,444.8	2,443.0	5.1	5.2	-27.95	65.2	-34.6	74.1	63.5	10.54	7.026	
2,475.0	2,475.0	2,469.1	2,467.0	5.2	5.3	-30.28	65.7	-38.4	76.5	65.9	10.63	7.203	
2,500.0	2,500.0	2,493.3	2,490.9	5.2	5.4	-32.58	66.3	-42.4	79.2	68.5	10.71	7.399	
2,525.0	2,525.0	2,517.8	2,515.0	5.3	5.5	-117.68	67.0	-46.6	82.2	71.4	10.80	7.615	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,550.0	2,542.4	2,539.2	5.3	5.6	-119.91	67.6	-50.8	85.5	74.6	10.89	7.848	
2,575.0	2,575.0	2,566.9	2,563.3	5.3	5.6	-122.09	68.3	-55.0	88.9	78.0	10.98	8.097	
2,600.0	2,600.0	2,591.4	2,587.4	5.4	5.7	-124.20	68.9	-59.2	92.7	81.6	11.08	8.363	
2,625.0	2,625.0	2,615.8	2,611.5	5.4	5.8	-126.24	69.5	-63.4	96.6	85.4	11.18	8.640	
2,650.0	2,649.9	2,640.2	2,635.5	5.4	5.8	-128.21	70.2	-67.6	100.9	89.6	11.29	8.930	
2,675.0	2,674.9	2,664.5	2,659.5	5.5	5.9	-130.11	70.8	-71.8	105.3	93.9	11.41	9.234	
2,700.0	2,699.8	2,688.8	2,683.4	5.5	6.0	-131.92	71.4	-75.9	110.1	98.5	11.52	9.551	
2,725.0	2,724.8	2,713.1	2,707.3	5.5	6.1	-133.66	72.1	-80.1	115.0	103.4	11.65	9.878	
2,750.0	2,749.7	2,737.3	2,731.1	5.6	6.1	-135.32	72.7	-84.3	120.3	108.5	11.77	10.216	
2,775.0	2,774.6	2,761.4	2,754.9	5.6	6.2	-136.90	73.3	-88.4	125.8	113.9	11.90	10.566	
2,800.0	2,799.5	2,785.5	2,778.6	5.7	6.3	-138.40	73.9	-92.5	131.5	119.5	12.04	10.926	
2,825.0	2,824.3	2,809.5	2,802.3	5.7	6.4	-139.83	74.6	-96.7	137.5	125.4	12.18	11.293	
2,850.0	2,849.1	2,833.5	2,825.9	5.7	6.5	-141.19	75.2	-100.8	143.8	131.5	12.32	11.669	
2,875.0	2,873.9	2,857.3	2,849.4	5.8	6.5	-142.47	75.8	-104.9	150.3	137.8	12.47	12.054	
2,900.0	2,898.7	2,881.2	2,872.9	5.9	6.6	-143.70	76.4	-109.0	157.0	144.4	12.61	12.449	
2,925.0	2,923.4	2,904.9	2,896.3	5.9	6.7	-144.85	77.0	-113.0	164.0	151.2	12.76	12.848	
2,950.0	2,948.2	2,928.6	2,919.6	6.0	6.8	-145.95	77.7	-117.1	171.2	158.3	12.92	13.253	
2,975.0	2,972.8	2,952.3	2,942.9	6.1	6.9	-147.00	78.3	-121.2	178.7	165.6	13.07	13.666	
3,000.0	2,997.5	2,975.8	2,966.1	6.1	6.9	-147.98	78.9	-125.2	186.4	173.1	13.23	14.086	
3,025.0	3,022.1	2,999.3	2,989.2	6.2	7.0	-148.92	79.5	-129.2	194.3	180.9	13.39	14.510	
3,050.0	3,046.6	3,022.7	3,012.3	6.3	7.1	-149.81	80.1	-133.3	202.5	188.9	13.55	14.937	
3,075.0	3,071.1	3,046.1	3,035.2	6.4	7.2	-150.66	80.7	-137.3	210.9	197.1	13.72	15.371	
3,100.0	3,095.6	3,069.3	3,058.1	6.5	7.3	-151.46	81.3	-141.3	219.5	205.6	13.88	15.810	
3,125.0	3,120.1	3,092.5	3,081.0	6.5	7.4	-152.29	81.9	-145.2	228.2	214.2	14.04	16.260	
3,150.0	3,144.5	3,115.7	3,103.9	6.6	7.5	-153.07	82.5	-149.2	237.0	222.8	14.19	16.700	
3,175.0	3,169.0	3,139.0	3,126.7	6.7	7.5	-153.79	83.1	-153.2	245.8	231.5	14.35	17.133	
3,200.0	3,193.4	3,162.2	3,149.6	6.8	7.6	-154.46	83.7	-157.2	254.7	240.2	14.50	17.560	
3,225.0	3,217.9	3,185.4	3,172.4	6.8	7.7	-155.09	84.3	-161.2	263.6	248.9	14.66	17.975	
3,250.0	3,242.3	3,208.6	3,195.3	6.9	7.8	-155.68	84.9	-165.2	272.5	257.7	14.82	18.382	
3,275.0	3,266.8	3,231.8	3,218.2	7.0	7.9	-156.23	85.6	-169.2	281.4	266.5	14.99	18.781	
3,300.0	3,291.3	3,255.0	3,241.0	7.1	8.0	-156.74	86.2	-173.1	290.4	275.3	15.15	19.174	
3,325.0	3,315.7	3,278.2	3,263.9	7.1	8.1	-157.23	86.8	-177.1	299.4	284.1	15.31	19.554	
3,350.0	3,340.2	3,301.4	3,286.7	7.2	8.2	-157.69	87.4	-181.1	308.4	292.9	15.47	19.928	
3,375.0	3,364.6	3,324.7	3,309.6	7.3	8.2	-158.12	88.0	-185.1	317.4	301.7	15.64	20.292	
3,400.0	3,389.1	3,347.9	3,332.5	7.4	8.3	-158.53	88.6	-189.1	326.4	310.6	15.81	20.651	
3,425.0	3,413.5	3,371.1	3,355.3	7.5	8.4	-158.91	89.2	-193.1	335.5	319.5	15.98	20.998	
3,450.0	3,438.0	3,394.3	3,378.2	7.5	8.5	-159.28	89.8	-197.1	344.5	328.4	16.15	21.339	
3,475.0	3,462.4	3,417.5	3,401.0	7.6	8.6	-159.63	90.4	-201.0	353.6	337.3	16.32	21.672	
3,500.0	3,486.9	3,440.7	3,423.9	7.7	8.7	-159.96	91.0	-205.0	362.7	346.2	16.49	21.998	
3,525.0	3,511.3	3,463.9	3,446.8	7.8	8.8	-160.27	91.6	-209.0	371.7	355.1	16.66	22.315	
3,550.0	3,535.8	3,487.2	3,469.6	7.9	8.9	-160.57	92.2	-213.0	380.8	364.0	16.83	22.625	
3,575.0	3,560.2	3,510.4	3,492.5	8.0	9.0	-160.86	92.8	-217.0	389.9	372.9	17.01	22.929	
3,600.0	3,584.7	3,533.6	3,515.4	8.1	9.1	-161.13	93.4	-221.0	399.1	381.9	17.18	23.227	
3,625.0	3,609.2	3,556.8	3,538.2	8.1	9.2	-161.39	94.0	-225.0	408.2	390.8	17.36	23.515	
3,650.0	3,633.6	3,580.0	3,561.1	8.2	9.3	-161.64	94.6	-228.9	417.3	399.8	17.54	23.798	
3,675.0	3,658.1	3,603.2	3,583.9	8.3	9.4	-161.88	95.2	-232.9	426.4	408.7	17.71	24.076	
3,700.0	3,682.5	3,626.4	3,606.8	8.4	9.4	-162.11	95.8	-236.9	435.6	417.7	17.89	24.347	
3,725.0	3,707.0	3,649.7	3,629.7	8.5	9.5	-162.33	96.4	-240.9	444.7	426.7	18.07	24.610	
3,750.0	3,731.4	3,672.9	3,652.5	8.6	9.6	-162.54	97.0	-244.9	453.9	435.6	18.25	24.868	
3,775.0	3,755.9	3,696.1	3,675.4	8.7	9.7	-162.74	97.6	-248.9	463.0	444.6	18.43	25.121	
3,800.0	3,780.3	3,719.3	3,698.2	8.8	9.8	-162.94	98.2	-252.8	472.2	453.6	18.61	25.369	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
3,825.0	3,804.8	3,742.5	3,721.1	8.9	9.9	-163.12	98.8	-256.8	481.4	462.6	18.80	25.609	
3,850.0	3,829.2	3,765.7	3,744.0	9.0	10.0	-163.30	99.4	-260.8	490.5	471.6	18.98	25.844	
3,875.0	3,853.7	3,788.9	3,766.8	9.1	10.1	-163.48	100.0	-264.8	499.7	480.5	19.16	26.076	
3,900.0	3,878.1	3,812.2	3,789.7	9.2	10.2	-163.64	100.6	-268.8	508.9	489.5	19.35	26.302	
3,925.0	3,902.6	3,835.4	3,812.5	9.3	10.3	-163.80	101.2	-272.8	518.1	498.5	19.53	26.522	
3,950.0	3,927.1	3,858.6	3,835.4	9.4	10.4	-163.96	101.8	-276.8	527.3	507.5	19.72	26.737	
3,975.0	3,951.5	3,881.8	3,858.3	9.5	10.5	-164.11	102.5	-280.7	536.4	516.5	19.91	26.949	
4,000.0	3,976.0	3,905.0	3,881.1	9.6	10.6	-164.26	103.1	-284.7	545.6	525.5	20.09	27.156	
4,025.0	4,000.4	3,928.2	3,904.0	9.7	10.7	-164.40	103.7	-288.7	554.8	534.5	20.28	27.357	
4,050.0	4,024.9	3,951.4	3,926.9	9.8	10.8	-164.53	104.3	-292.7	564.0	543.6	20.47	27.554	
4,075.0	4,049.3	3,974.6	3,949.7	9.9	10.9	-164.66	104.9	-296.7	573.2	552.6	20.66	27.748	
4,100.0	4,073.8	3,997.9	3,972.6	10.0	11.0	-164.79	105.5	-300.7	582.4	561.6	20.85	27.939	
4,125.0	4,098.2	4,021.1	3,995.4	10.1	11.1	-164.91	106.1	-304.7	591.6	570.6	21.04	28.123	
4,150.0	4,122.7	4,044.3	4,018.3	10.2	11.2	-165.03	106.7	-308.6	600.8	579.6	21.23	28.304	
4,175.0	4,147.1	4,067.5	4,041.2	10.3	11.3	-165.15	107.3	-312.6	610.0	588.6	21.42	28.482	
4,200.0	4,171.6	4,090.7	4,064.0	10.4	11.4	-165.26	107.9	-316.6	619.3	597.6	21.61	28.657	
4,225.0	4,196.0	4,113.9	4,086.9	10.5	11.5	-165.37	108.5	-320.6	628.5	606.7	21.80	28.827	
4,250.0	4,220.5	4,137.1	4,109.7	10.6	11.6	-165.48	109.1	-324.6	637.7	615.7	21.99	28.994	
4,275.0	4,244.9	4,160.4	4,132.6	10.7	11.7	-165.58	109.7	-328.6	646.9	624.7	22.19	29.157	
4,300.0	4,269.4	4,183.6	4,155.5	10.8	11.8	-165.68	110.3	-332.5	656.1	633.7	22.38	29.319	
4,325.0	4,293.9	4,206.8	4,178.3	10.9	11.9	-165.78	110.9	-336.5	665.3	642.8	22.57	29.475	
4,350.0	4,318.3	4,230.0	4,201.2	11.0	12.0	-165.87	111.5	-340.5	674.6	651.8	22.77	29.629	
4,375.0	4,342.8	4,253.2	4,224.1	11.1	12.1	-165.97	112.1	-344.5	683.8	660.8	22.96	29.780	
4,400.0	4,367.2	4,276.4	4,246.9	11.2	12.2	-166.06	112.7	-348.5	693.0	669.9	23.16	29.928	
4,425.0	4,391.7	4,299.6	4,269.8	11.3	12.3	-166.14	113.3	-352.5	702.2	678.9	23.35	30.073	
4,450.0	4,416.1	4,322.9	4,292.6	11.4	12.4	-166.23	113.9	-356.5	711.5	687.9	23.55	30.215	
4,475.0	4,440.6	4,346.1	4,315.5	11.5	12.5	-166.31	114.5	-360.4	720.7	697.0	23.74	30.354	
4,500.0	4,465.0	4,369.3	4,338.4	11.6	12.6	-166.39	115.1	-364.4	729.9	706.0	23.94	30.491	
4,525.0	4,489.5	4,392.5	4,361.2	11.7	12.7	-166.47	115.7	-368.4	739.2	715.0	24.14	30.625	
4,550.0	4,513.9	4,415.7	4,384.1	11.8	12.8	-166.55	116.3	-372.4	748.4	724.1	24.33	30.757	
4,575.0	4,538.4	4,438.9	4,406.9	11.9	12.9	-166.62	116.9	-376.4	757.6	733.1	24.53	30.886	
4,600.0	4,562.8	4,462.1	4,429.8	12.0	13.0	-166.70	117.5	-380.4	766.9	742.1	24.73	31.013	
4,625.0	4,587.3	4,485.4	4,452.7	12.1	13.1	-166.77	118.1	-384.4	776.1	751.2	24.93	31.137	
4,650.0	4,611.8	4,508.6	4,475.5	12.2	13.2	-166.84	118.8	-388.3	785.3	760.2	25.12	31.259	
4,675.0	4,636.2	4,531.8	4,498.4	12.3	13.3	-166.91	119.4	-392.3	794.6	769.3	25.32	31.379	
4,700.0	4,660.7	4,555.0	4,521.2	12.4	13.4	-166.97	120.0	-396.3	803.8	778.3	25.52	31.496	
4,725.0	4,685.1	4,578.2	4,544.1	12.6	13.5	-167.04	120.6	-400.3	813.1	787.3	25.72	31.612	
4,750.0	4,709.6	4,601.4	4,567.0	12.7	13.6	-167.10	121.2	-404.3	822.3	796.4	25.92	31.725	
4,775.0	4,734.0	4,624.6	4,589.8	12.8	13.7	-167.17	121.8	-408.3	831.5	805.4	26.12	31.836	
4,800.0	4,758.5	4,647.8	4,612.7	12.9	13.8	-167.23	122.4	-412.3	840.8	814.5	26.32	31.946	
4,825.0	4,782.9	4,671.1	4,635.6	13.0	13.9	-167.29	123.0	-416.2	850.0	823.5	26.52	32.053	
4,850.0	4,807.4	4,694.3	4,658.4	13.1	14.0	-167.34	123.6	-420.2	859.3	832.6	26.72	32.159	
4,875.0	4,831.8	4,717.5	4,681.3	13.2	14.1	-167.40	124.2	-424.2	868.5	841.6	26.92	32.262	
4,900.0	4,856.3	4,740.7	4,704.1	13.3	14.2	-167.46	124.8	-428.2	877.8	850.6	27.12	32.364	
4,925.0	4,880.7	4,763.9	4,727.0	13.4	14.3	-167.51	125.4	-432.2	887.0	859.7	27.32	32.464	
4,950.0	4,905.2	4,787.1	4,749.9	13.5	14.4	-167.57	126.0	-436.2	896.3	868.7	27.52	32.562	
4,975.0	4,929.7	4,810.3	4,772.7	13.6	14.5	-167.62	126.6	-440.1	905.5	877.8	27.73	32.659	
5,000.0	4,954.1	4,833.6	4,795.6	13.8	14.6	-167.67	127.2	-444.1	914.8	886.8	27.93	32.755	
5,025.0	4,978.6	4,856.8	4,818.4	13.9	14.7	-167.72	127.8	-448.1	924.0	895.9	28.13	32.848	
5,050.0	5,003.0	4,880.0	4,841.3	14.0	14.8	-167.77	128.4	-452.1	933.3	904.9	28.33	32.940	
5,075.0	5,027.5	4,903.2	4,864.2	14.1	14.9	-167.82	129.0	-456.1	942.5	914.0	28.53	33.030	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
5,100.0	5,051.9	4,926.4	4,887.0	14.2	15.0	-167.87	129.6	-460.1	951.8	923.0	28.74	33.119	
5,125.0	5,076.4	4,949.6	4,909.9	14.3	15.1	-167.91	130.2	-464.1	961.0	932.1	28.94	33.206	
5,150.0	5,100.8	4,972.8	4,932.7	14.4	15.2	-167.96	130.8	-468.0	970.3	941.1	29.14	33.292	
5,175.0	5,125.3	4,996.1	4,955.6	14.5	15.3	-168.00	131.4	-472.0	979.5	950.2	29.35	33.377	
5,200.0	5,149.7	5,019.3	4,978.5	14.6	15.4	-168.05	132.0	-476.0	988.8	959.2	29.55	33.460	
5,225.0	5,174.2	5,042.5	5,001.3	14.7	15.5	-168.09	132.6	-480.0	998.0	968.3	29.75	33.542	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.43	40.0	-0.3	40.0				
25.0	25.0	24.9	24.9	0.5	0.1	-0.43	40.0	-0.3	40.0				
50.0	50.0	49.9	49.9	0.5	0.3	-0.43	40.0	-0.3	40.0	38.7	1.28	31.186	
75.0	75.0	74.9	74.9	0.5	0.4	-0.43	40.0	-0.3	40.0	38.6	1.38	29.041	
100.0	100.0	99.9	99.9	0.5	0.5	-0.43	40.0	-0.3	40.0	38.5	1.50	26.749	
125.0	125.0	124.9	124.9	0.6	0.6	-0.43	40.0	-0.3	40.0	38.3	1.75	22.898	
150.0	150.0	149.9	149.9	0.8	0.8	-0.43	40.0	-0.3	40.0	38.0	2.00	20.016	
175.0	175.0	174.9	174.9	0.9	0.9	-0.43	40.0	-0.3	40.0	37.8	2.25	17.778	
200.0	200.0	199.9	199.9	1.0	1.0	-0.43	40.0	-0.3	40.0	37.5	2.50	15.991	
225.0	225.0	224.9	224.9	1.1	1.1	-0.43	40.0	-0.3	40.0	37.3	2.67	14.987	
250.0	250.0	249.9	249.9	1.2	1.2	-0.43	40.0	-0.3	40.0	37.2	2.84	14.103	
275.0	275.0	274.9	274.9	1.3	1.3	-0.43	40.0	-0.3	40.0	37.0	3.00	13.318	
300.0	300.0	299.9	299.9	1.4	1.4	-0.43	40.0	-0.3	40.0	36.8	3.17	12.615	
325.0	325.0	324.9	324.9	1.4	1.4	-0.43	40.0	-0.3	40.0	36.7	3.31	12.092	
350.0	350.0	349.9	349.9	1.5	1.5	-0.43	40.0	-0.3	40.0	36.6	3.45	11.611	
375.0	375.0	374.9	374.9	1.6	1.6	-0.43	40.0	-0.3	40.0	36.4	3.58	11.167	
400.0	400.0	399.9	399.9	1.6	1.6	-0.43	40.0	-0.3	40.0	36.3	3.72	10.755	
425.0	425.0	424.9	424.9	1.7	1.7	-0.43	40.0	-0.3	40.0	36.2	3.84	10.418	
450.0	450.0	449.9	449.9	1.8	1.8	-0.43	40.0	-0.3	40.0	36.0	3.96	10.101	
475.0	475.0	474.9	474.9	1.8	1.8	-0.43	40.0	-0.3	40.0	35.9	4.08	9.804	
500.0	500.0	499.9	499.9	1.9	1.9	-0.43	40.0	-0.3	40.0	35.8	4.20	9.523	
525.0	525.0	524.9	524.9	1.9	1.9	-0.43	40.0	-0.3	40.0	35.7	4.31	9.281	
550.0	550.0	549.9	549.9	2.0	2.0	-0.43	40.0	-0.3	40.0	35.6	4.42	9.051	
575.0	575.0	574.9	574.9	2.1	2.1	-0.43	40.0	-0.3	40.0	35.5	4.53	8.833	
600.0	600.0	599.9	599.9	2.1	2.1	-0.43	40.0	-0.3	40.0	35.4	4.64	8.625	
625.0	625.0	624.9	624.9	2.2	2.2	-0.43	40.0	-0.3	40.0	35.3	4.74	8.440	
650.0	650.0	649.9	649.9	2.2	2.2	-0.43	40.0	-0.3	40.0	35.2	4.84	8.263	
675.0	675.0	674.9	674.9	2.3	2.3	-0.43	40.0	-0.3	40.0	35.1	4.94	8.093	
700.0	700.0	699.9	699.9	2.3	2.3	-0.43	40.0	-0.3	40.0	35.0	5.04	7.930	
725.0	725.0	724.9	724.9	2.4	2.4	-0.43	40.0	-0.3	40.0	34.9	5.14	7.782	
750.0	750.0	749.9	749.9	2.4	2.4	-0.43	40.0	-0.3	40.0	34.8	5.24	7.640	
775.0	775.0	774.9	774.9	2.5	2.5	-0.43	40.0	-0.3	40.0	34.7	5.33	7.503	
800.0	800.0	799.9	799.9	2.5	2.5	-0.43	40.0	-0.3	40.0	34.6	5.43	7.370	
825.0	825.0	824.9	824.9	2.6	2.6	-0.43	40.0	-0.3	40.0	34.5	5.52	7.249	
850.0	850.0	849.9	849.9	2.6	2.6	-0.43	40.0	-0.3	40.0	34.4	5.61	7.131	
875.0	875.0	874.9	874.9	2.6	2.6	-0.43	40.0	-0.3	40.0	34.3	5.70	7.017	
900.0	900.0	899.9	899.9	2.7	2.7	-0.43	40.0	-0.3	40.0	34.2	5.79	6.907	
925.0	925.0	924.9	924.9	2.7	2.7	-0.43	40.0	-0.3	40.0	34.1	5.88	6.804	
950.0	950.0	949.9	949.9	2.8	2.8	-0.43	40.0	-0.3	40.0	34.0	5.97	6.704	
975.0	975.0	974.9	974.9	2.8	2.8	-0.43	40.0	-0.3	40.0	33.9	6.05	6.607	
1,000.0	1,000.0	999.9	999.9	2.9	2.9	-0.43	40.0	-0.3	40.0	33.9	6.14	6.513	
1,025.0	1,025.0	1,024.9	1,024.9	2.9	2.9	-0.43	40.0	-0.3	40.0	33.8	6.23	6.425	
1,050.0	1,050.0	1,049.9	1,049.9	3.0	3.0	-0.43	40.0	-0.3	40.0	33.7	6.31	6.339	
1,075.0	1,075.0	1,074.9	1,074.9	3.0	3.0	-0.43	40.0	-0.3	40.0	33.6	6.39	6.256	
1,100.0	1,100.0	1,099.9	1,099.9	3.0	3.0	-0.43	40.0	-0.3	40.0	33.5	6.48	6.174	
1,125.0	1,125.0	1,124.9	1,124.9	3.1	3.1	-0.43	40.0	-0.3	40.0	33.4	6.56	6.097	
1,150.0	1,150.0	1,149.9	1,149.9	3.1	3.1	-0.43	40.0	-0.3	40.0	33.4	6.64	6.022	
1,175.0	1,175.0	1,174.9	1,174.9	3.2	3.2	-0.43	40.0	-0.3	40.0	33.3	6.72	5.949	
1,200.0	1,200.0	1,199.9	1,199.9	3.2	3.2	-0.43	40.0	-0.3	40.0	33.2	6.81	5.878	
1,225.0	1,225.0	1,224.9	1,224.9	3.2	3.2	-0.43	40.0	-0.3	40.0	33.1	6.89	5.810	
1,250.0	1,250.0	1,249.9	1,249.9	3.3	3.3	-0.43	40.0	-0.3	40.0	33.0	6.96	5.743	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.9	1,274.9	3.3	3.3	-0.43	40.0	-0.3	40.0	33.0	7.04	5.678	
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	-0.43	40.0	-0.3	40.0	32.9	7.12	5.615	
1,325.0	1,325.0	1,324.9	1,324.9	3.4	3.4	-0.43	40.0	-0.3	40.0	32.8	7.20	5.554	
1,350.0	1,350.0	1,349.9	1,349.9	3.4	3.4	-0.43	40.0	-0.3	40.0	32.7	7.28	5.495	
1,375.0	1,375.0	1,374.9	1,374.9	3.5	3.5	-0.43	40.0	-0.3	40.0	32.6	7.36	5.437	
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	-0.43	40.0	-0.3	40.0	32.6	7.43	5.380	
1,425.0	1,425.0	1,424.9	1,424.9	3.6	3.6	-0.43	40.0	-0.3	40.0	32.5	7.51	5.326	
1,450.0	1,450.0	1,449.9	1,449.9	3.6	3.6	-0.43	40.0	-0.3	40.0	32.4	7.59	5.272	
1,475.0	1,475.0	1,474.9	1,474.9	3.6	3.6	-0.43	40.0	-0.3	40.0	32.3	7.66	5.220	
1,500.0	1,500.0	1,499.9	1,499.9	3.7	3.7	-0.43	40.0	-0.3	40.0	32.3	7.74	5.169	
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	-0.43	40.0	-0.3	40.0	32.2	7.81	5.119	
1,550.0	1,550.0	1,549.9	1,549.9	3.8	3.8	-0.43	40.0	-0.3	40.0	32.1	7.89	5.071	
1,575.0	1,575.0	1,574.9	1,574.9	3.8	3.8	-0.43	40.0	-0.3	40.0	32.0	7.96	5.024	
1,600.0	1,600.0	1,599.9	1,599.9	3.8	3.8	-0.43	40.0	-0.3	40.0	32.0	8.04	4.977	
1,625.0	1,625.0	1,624.9	1,624.9	3.9	3.9	-0.43	40.0	-0.3	40.0	31.9	8.11	4.932	
1,650.0	1,650.0	1,649.9	1,649.9	3.9	3.9	-0.43	40.0	-0.3	40.0	31.8	8.18	4.888	
1,675.0	1,675.0	1,674.9	1,674.9	3.9	3.9	-0.43	40.0	-0.3	40.0	31.7	8.26	4.844	
1,700.0	1,700.0	1,699.9	1,699.9	4.0	4.0	-0.43	40.0	-0.3	40.0	31.7	8.33	4.802	
1,725.0	1,725.0	1,724.9	1,724.9	4.0	4.0	-0.43	40.0	-0.3	40.0	31.6	8.40	4.760	
1,750.0	1,750.0	1,749.9	1,749.9	4.1	4.1	-0.43	40.0	-0.3	40.0	31.5	8.47	4.720	
1,775.0	1,775.0	1,774.9	1,774.9	4.1	4.1	-0.43	40.0	-0.3	40.0	31.5	8.55	4.680	
1,800.0	1,800.0	1,799.9	1,799.9	4.1	4.1	-0.43	40.0	-0.3	40.0	31.4	8.62	4.641	
1,825.0	1,825.0	1,824.9	1,824.9	4.2	4.2	-0.43	40.0	-0.3	40.0	31.3	8.69	4.603	
1,850.0	1,850.0	1,849.9	1,849.9	4.2	4.2	-0.43	40.0	-0.3	40.0	31.2	8.76	4.566	
1,875.0	1,875.0	1,874.9	1,874.9	4.2	4.2	-0.43	40.0	-0.3	40.0	31.2	8.83	4.529	
1,900.0	1,900.0	1,899.9	1,899.9	4.3	4.3	-0.43	40.0	-0.3	40.0	31.1	8.90	4.493	
1,925.0	1,925.0	1,924.9	1,924.9	4.3	4.3	-0.43	40.0	-0.3	40.0	31.0	8.97	4.457	
1,950.0	1,950.0	1,949.9	1,949.9	4.3	4.3	-0.43	40.0	-0.3	40.0	31.0	9.04	4.423	
1,975.0	1,975.0	1,974.9	1,974.9	4.4	4.4	-0.43	40.0	-0.3	40.0	30.9	9.11	4.389	
2,000.0	2,000.0	1,999.9	1,999.9	4.4	4.4	-0.43	40.0	-0.3	40.0	30.8	9.18	4.355 CC	
2,025.0	2,025.0	2,024.9	2,024.9	4.5	4.4	-0.58	40.0	-0.4	40.0	30.7	9.26	4.319	
2,050.0	2,050.0	2,049.9	2,049.9	4.5	4.5	-1.05	40.0	-0.7	40.0	30.7	9.34	4.284	
2,075.0	2,075.0	2,074.9	2,074.9	4.6	4.5	-1.83	40.0	-1.3	40.0	30.6	9.41	4.251	
2,100.0	2,100.0	2,099.8	2,099.8	4.6	4.5	-2.92	40.0	-2.0	40.1	30.6	9.49	4.221	
2,125.0	2,125.0	2,124.8	2,124.8	4.7	4.6	-4.32	40.0	-3.0	40.1	30.5	9.56	4.194 ES	
2,150.0	2,150.0	2,149.7	2,149.7	4.7	4.6	-6.01	40.0	-4.2	40.2	30.6	9.64	4.173	
2,175.0	2,175.0	2,174.7	2,174.6	4.7	4.6	-8.00	40.0	-5.6	40.4	30.7	9.71	4.160	
2,200.0	2,200.0	2,199.6	2,199.4	4.8	4.7	-10.27	40.0	-7.2	40.7	30.9	9.78	4.158 SF	
2,225.0	2,225.0	2,224.4	2,224.2	4.8	4.7	-12.80	40.0	-9.1	41.0	31.2	9.84	4.169	
2,250.0	2,250.0	2,249.2	2,248.9	4.8	4.8	-15.56	40.0	-11.1	41.5	31.6	9.90	4.194	
2,275.0	2,275.0	2,274.0	2,273.6	4.9	4.8	-18.52	40.0	-13.4	42.2	32.2	9.96	4.237	
2,300.0	2,300.0	2,298.8	2,298.2	4.9	4.8	-21.64	40.0	-15.9	43.1	33.0	10.02	4.299	
2,325.0	2,325.0	2,323.5	2,322.8	5.0	4.9	-24.87	40.0	-18.5	44.1	34.1	10.07	4.382	
2,350.0	2,350.0	2,348.1	2,347.3	5.0	4.9	-28.18	40.0	-21.4	45.5	35.3	10.13	4.488	
2,375.0	2,375.0	2,372.7	2,371.7	5.0	5.0	-31.50	40.0	-24.5	47.0	36.8	10.19	4.617	
2,400.0	2,400.0	2,397.3	2,396.0	5.1	5.0	-34.80	40.0	-27.8	48.9	38.6	10.25	4.769	
2,425.0	2,425.0	2,421.8	2,420.3	5.1	5.1	-38.04	40.0	-31.3	51.0	40.7	10.31	4.945	
2,450.0	2,450.0	2,446.2	2,444.4	5.1	5.2	-41.17	40.0	-35.0	53.4	43.0	10.38	5.145	
2,475.0	2,475.0	2,470.6	2,468.5	5.2	5.3	-44.17	40.0	-38.9	56.1	45.7	10.46	5.366	
2,500.0	2,500.0	2,494.9	2,492.4	5.2	5.4	-47.03	40.0	-42.9	59.2	48.6	10.55	5.610	
2,525.0	2,525.0	2,519.1	2,516.2	5.3	5.5	-132.59	40.0	-47.2	62.5	51.9	10.65	5.874	

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 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Rule Assigned:

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,550.0	2,543.2	2,539.9	5.3	5.6	-135.25	40.0	-51.6	66.4	55.6	10.76	6.171	
2,575.0	2,575.0	2,567.1	2,563.4	5.3	5.7	-137.81	40.0	-56.2	70.7	59.8	10.87	6.501	
2,600.0	2,600.0	2,590.9	2,586.7	5.4	5.7	-140.24	40.0	-61.0	75.5	64.5	10.99	6.864	
2,625.0	2,625.0	2,614.6	2,609.9	5.4	5.8	-142.53	40.0	-66.0	80.7	69.6	11.12	7.256	
2,650.0	2,649.9	2,638.1	2,632.9	5.4	5.9	-144.68	40.0	-71.1	86.4	75.2	11.26	7.676	
2,675.0	2,674.9	2,661.5	2,655.6	5.5	6.0	-146.67	40.0	-76.3	92.6	81.2	11.40	8.125	
2,700.0	2,699.8	2,684.6	2,678.1	5.5	6.1	-148.51	40.0	-81.7	99.3	87.7	11.54	8.602	
2,725.0	2,724.8	2,707.6	2,700.5	5.5	6.2	-150.20	40.0	-87.3	106.4	94.7	11.68	9.110	
2,750.0	2,749.7	2,730.4	2,722.5	5.6	6.3	-151.75	40.0	-92.9	114.0	102.2	11.80	9.659	
2,775.0	2,774.6	2,753.2	2,744.5	5.6	6.3	-153.18	40.0	-98.7	122.0	110.0	11.92	10.232	
2,800.0	2,799.5	2,776.5	2,767.1	5.7	6.4	-154.53	40.0	-104.8	130.3	118.2	12.05	10.810	
2,825.0	2,824.3	2,799.9	2,789.6	5.7	6.5	-155.74	40.0	-110.8	138.9	126.7	12.19	11.393	
2,850.0	2,849.1	2,823.1	2,812.0	5.7	6.5	-156.85	40.0	-116.8	147.7	135.3	12.35	11.963	
2,875.0	2,873.9	2,846.2	2,834.4	5.8	6.6	-157.85	40.0	-122.8	156.7	144.2	12.50	12.538	
2,900.0	2,898.7	2,869.3	2,856.7	5.9	6.7	-158.77	40.0	-128.8	166.0	153.4	12.66	13.119	
2,925.0	2,923.4	2,892.3	2,878.9	5.9	6.8	-159.61	40.0	-134.7	175.6	162.7	12.82	13.699	
2,950.0	2,948.2	2,915.2	2,901.0	6.0	6.9	-160.38	40.0	-140.7	185.3	172.3	12.98	14.279	
2,975.0	2,972.8	2,938.0	2,923.0	6.1	7.0	-161.09	40.0	-146.6	195.3	182.1	13.14	14.861	
3,000.0	2,997.5	2,960.7	2,944.9	6.1	7.0	-161.74	40.0	-152.4	205.5	192.2	13.30	15.445	
3,025.0	3,022.1	2,983.3	2,966.8	6.2	7.1	-162.35	40.0	-158.3	215.9	202.4	13.47	16.028	
3,050.0	3,046.6	3,005.8	2,988.6	6.3	7.2	-162.92	40.0	-164.1	226.5	212.8	13.63	16.611	
3,075.0	3,071.1	3,028.2	3,010.2	6.4	7.3	-163.44	40.0	-169.9	237.3	223.5	13.80	17.194	
3,100.0	3,095.6	3,050.6	3,031.8	6.5	7.4	-163.93	40.0	-175.7	248.3	234.3	13.97	17.777	
3,125.0	3,120.1	3,072.9	3,053.3	6.5	7.5	-164.45	40.0	-181.5	259.5	245.3	14.12	18.369	
3,150.0	3,144.5	3,095.1	3,074.9	6.6	7.6	-164.92	40.0	-187.2	270.6	256.3	14.28	18.949	
3,175.0	3,169.0	3,117.4	3,096.4	6.7	7.6	-165.36	40.0	-193.0	281.8	267.3	14.44	19.515	
3,200.0	3,193.4	3,139.7	3,117.9	6.8	7.7	-165.77	40.0	-198.8	293.0	278.4	14.60	20.069	
3,225.0	3,217.9	3,162.0	3,139.4	6.8	7.8	-166.14	40.0	-204.6	304.2	289.4	14.76	20.608	
3,250.0	3,242.3	3,184.3	3,161.0	6.9	7.9	-166.49	40.0	-210.3	315.4	300.4	14.92	21.136	
3,275.0	3,266.8	3,206.6	3,182.5	7.0	8.0	-166.81	40.0	-216.1	326.6	311.5	15.08	21.652	
3,300.0	3,291.3	3,228.9	3,204.0	7.1	8.1	-167.12	40.0	-221.9	337.8	322.5	15.25	22.156	
3,325.0	3,315.7	3,251.1	3,225.5	7.1	8.2	-167.40	40.0	-227.6	349.0	333.6	15.41	22.644	
3,350.0	3,340.2	3,273.4	3,247.1	7.2	8.3	-167.67	40.0	-233.4	360.2	344.7	15.58	23.122	
3,375.0	3,364.6	3,295.7	3,268.6	7.3	8.4	-167.92	40.0	-239.2	371.5	355.7	15.75	23.590	
3,400.0	3,389.1	3,318.0	3,290.1	7.4	8.5	-168.15	40.0	-244.9	382.7	366.8	15.92	24.047	
3,425.0	3,413.5	3,340.3	3,311.6	7.5	8.5	-168.38	40.0	-250.7	394.0	377.9	16.09	24.488	
3,450.0	3,438.0	3,362.6	3,333.2	7.5	8.6	-168.59	40.0	-256.5	405.2	389.0	16.26	24.921	
3,475.0	3,462.4	3,384.9	3,354.7	7.6	8.7	-168.79	40.0	-262.2	416.5	400.0	16.43	25.344	
3,500.0	3,486.9	3,407.1	3,376.2	7.7	8.8	-168.97	40.0	-268.0	427.7	411.1	16.61	25.759	
3,525.0	3,511.3	3,429.4	3,397.7	7.8	8.9	-169.15	40.0	-273.8	439.0	422.2	16.78	26.159	
3,550.0	3,535.8	3,451.7	3,419.3	7.9	9.0	-169.32	40.0	-279.5	450.3	433.3	16.96	26.550	
3,575.0	3,560.2	3,474.0	3,440.8	8.0	9.1	-169.48	40.0	-285.3	461.5	444.4	17.14	26.934	
3,600.0	3,584.7	3,496.3	3,462.3	8.1	9.2	-169.64	40.0	-291.1	472.8	455.5	17.31	27.310	
3,625.0	3,609.2	3,518.6	3,483.9	8.1	9.3	-169.78	40.0	-296.8	484.1	466.6	17.49	27.672	
3,650.0	3,633.6	3,540.9	3,505.4	8.2	9.4	-169.92	40.0	-302.6	495.4	477.7	17.67	28.027	
3,675.0	3,658.1	3,563.1	3,526.9	8.3	9.5	-170.06	40.0	-308.4	506.7	488.8	17.86	28.375	
3,700.0	3,682.5	3,585.4	3,548.4	8.4	9.6	-170.19	40.0	-314.1	517.9	499.9	18.04	28.716	
3,725.0	3,707.0	3,607.7	3,570.0	8.5	9.7	-170.31	40.0	-319.9	529.2	511.0	18.22	29.046	
3,750.0	3,731.4	3,630.0	3,591.5	8.6	9.8	-170.43	40.0	-325.7	540.5	522.1	18.40	29.368	
3,775.0	3,755.9	3,652.3	3,613.0	8.7	9.9	-170.54	40.0	-331.4	551.8	533.2	18.59	29.684	
3,800.0	3,780.3	3,674.6	3,634.5	8.8	10.0	-170.65	40.0	-337.2	563.1	544.3	18.77	29.994	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	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
3,825.0	3,804.8	3,696.9	3,656.1	8.9	10.1	-170.75	40.0	-343.0	574.4	555.4	18.96	30.294	
3,850.0	3,829.2	3,719.1	3,677.6	9.0	10.2	-170.85	40.0	-348.7	585.7	566.5	19.15	30.588	
3,875.0	3,853.7	3,741.4	3,699.1	9.1	10.3	-170.95	40.0	-354.5	597.0	577.6	19.34	30.875	
3,900.0	3,878.1	3,763.7	3,720.6	9.2	10.4	-171.04	40.0	-360.3	608.3	588.7	19.52	31.157	
3,925.0	3,902.6	3,786.0	3,742.2	9.3	10.5	-171.13	40.0	-366.1	619.6	599.8	19.71	31.430	
3,950.0	3,927.1	3,808.3	3,763.7	9.4	10.6	-171.21	40.0	-371.8	630.9	611.0	19.90	31.698	
3,975.0	3,951.5	3,830.6	3,785.2	9.5	10.7	-171.30	40.0	-377.6	642.2	622.1	20.09	31.960	
4,000.0	3,976.0	3,852.9	3,806.7	9.6	10.8	-171.38	40.0	-383.4	653.5	633.2	20.28	32.218	
4,025.0	4,000.4	3,875.1	3,828.3	9.7	10.9	-171.45	40.0	-389.1	664.8	644.3	20.47	32.467	
4,050.0	4,024.9	3,897.4	3,849.8	9.8	11.0	-171.53	40.0	-394.9	676.1	655.4	20.67	32.712	
4,075.0	4,049.3	3,919.7	3,871.3	9.9	11.1	-171.60	40.0	-400.7	687.4	666.5	20.86	32.952	
4,100.0	4,073.8	3,942.0	3,892.9	10.0	11.2	-171.67	40.0	-406.4	698.7	677.6	21.05	33.187	
4,125.0	4,098.2	3,964.3	3,914.4	10.1	11.3	-171.74	40.0	-412.2	710.0	688.7	21.25	33.415	
4,150.0	4,122.7	3,986.6	3,935.9	10.2	11.4	-171.81	40.0	-418.0	721.3	699.8	21.44	33.640	
4,175.0	4,147.1	4,008.9	3,957.4	10.3	11.5	-171.87	40.0	-423.7	732.6	710.9	21.64	33.860	
4,200.0	4,171.6	4,031.1	3,979.0	10.4	11.6	-171.93	40.0	-429.5	743.9	722.1	21.83	34.075	
4,225.0	4,196.0	4,053.4	4,000.5	10.5	11.7	-171.99	40.0	-435.3	755.2	733.2	22.03	34.285	
4,250.0	4,220.5	4,075.7	4,022.0	10.6	11.8	-172.05	40.0	-441.0	766.5	744.3	22.22	34.490	
4,275.0	4,244.9	4,098.0	4,043.5	10.7	11.9	-172.11	40.0	-446.8	777.8	755.4	22.42	34.693	
4,300.0	4,269.4	4,120.3	4,065.1	10.8	12.0	-172.16	40.0	-452.6	789.1	766.5	22.62	34.890	
4,325.0	4,293.9	4,142.6	4,086.6	10.9	12.1	-172.21	40.0	-458.3	800.4	777.6	22.82	35.083	
4,350.0	4,318.3	4,164.9	4,108.1	11.0	12.2	-172.26	40.0	-464.1	811.7	788.7	23.01	35.272	
4,375.0	4,342.8	4,187.2	4,129.6	11.1	12.3	-172.32	40.0	-469.9	823.1	799.8	23.21	35.458	
4,400.0	4,367.2	4,209.4	4,151.2	11.2	12.4	-172.36	40.0	-475.6	834.4	811.0	23.41	35.640	
4,425.0	4,391.7	4,231.7	4,172.7	11.3	12.5	-172.41	40.0	-481.4	845.7	822.1	23.61	35.818	
4,450.0	4,416.1	4,254.0	4,194.2	11.4	12.6	-172.46	40.0	-487.2	857.0	833.2	23.81	35.992	
4,475.0	4,440.6	4,276.3	4,215.7	11.5	12.7	-172.50	40.0	-492.9	868.3	844.3	24.01	36.163	
4,500.0	4,465.0	4,298.6	4,237.3	11.6	12.8	-172.55	40.0	-498.7	879.6	855.4	24.21	36.332	
4,525.0	4,489.5	4,320.9	4,258.8	11.7	12.9	-172.59	40.0	-504.5	890.9	866.5	24.41	36.496	
4,550.0	4,513.9	4,343.2	4,280.3	11.8	13.0	-172.63	40.0	-510.3	902.2	877.6	24.61	36.657	
4,575.0	4,538.4	4,365.4	4,301.9	11.9	13.1	-172.67	40.0	-516.0	913.6	888.7	24.81	36.815	
4,600.0	4,562.8	4,387.7	4,323.4	12.0	13.2	-172.71	40.0	-521.8	924.9	899.9	25.02	36.971	
4,625.0	4,587.3	4,410.0	4,344.9	12.1	13.3	-172.75	40.0	-527.6	936.2	911.0	25.22	37.122	
4,650.0	4,611.8	4,432.3	4,366.4	12.2	13.4	-172.79	40.0	-533.3	947.5	922.1	25.42	37.271	
4,675.0	4,636.2	4,454.6	4,388.0	12.3	13.5	-172.83	40.0	-539.1	958.8	933.2	25.62	37.418	
4,700.0	4,660.7	4,476.9	4,409.5	12.4	13.6	-172.86	40.0	-544.9	970.1	944.3	25.83	37.562	
4,725.0	4,685.1	4,499.2	4,431.0	12.6	13.7	-172.90	40.0	-550.6	981.4	955.4	26.03	37.703	
4,750.0	4,709.6	4,521.4	4,452.5	12.7	13.9	-172.93	40.0	-556.4	992.8	966.5	26.24	37.841	

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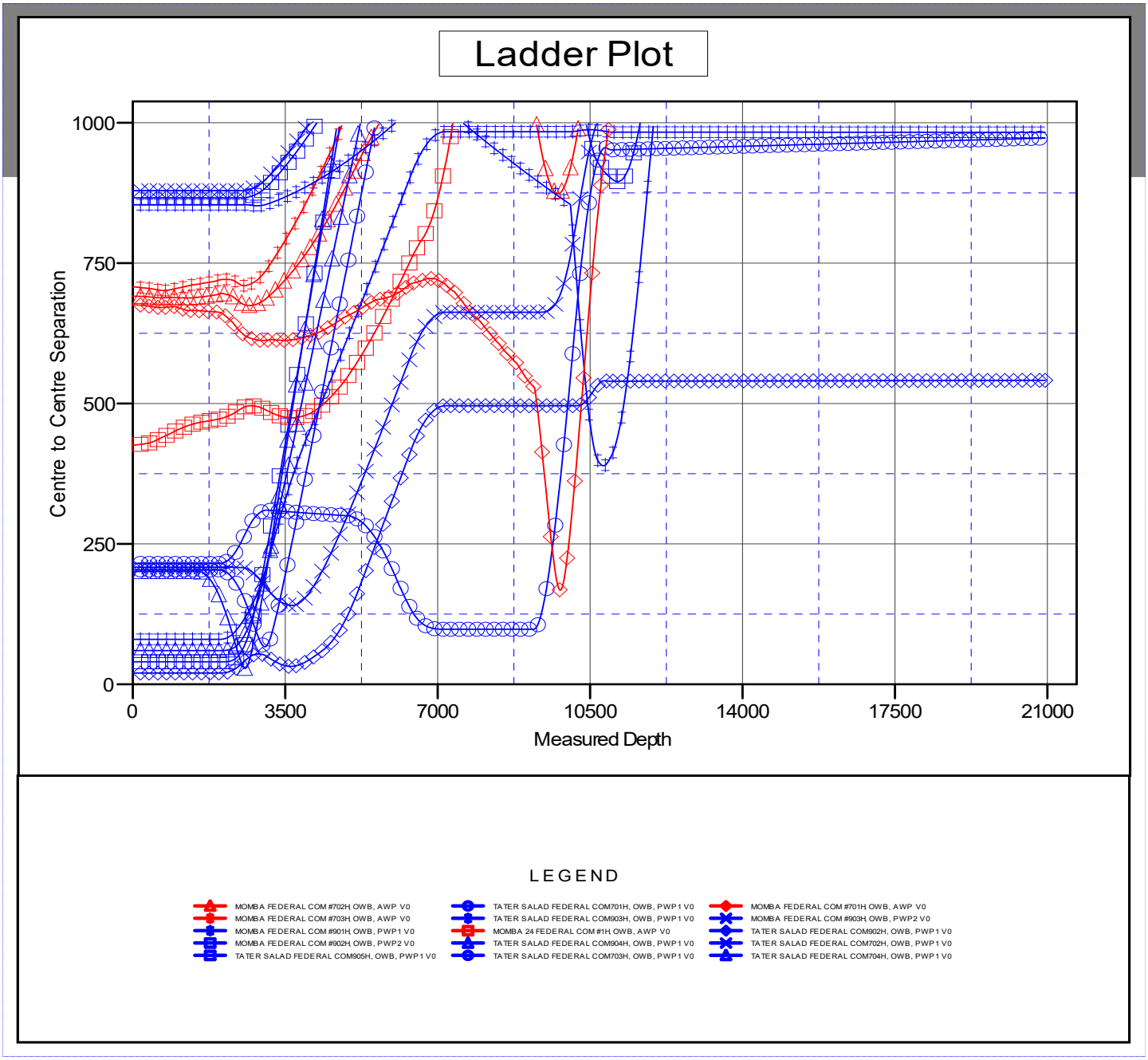
Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=32ft @ 2945.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 901H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.16°



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

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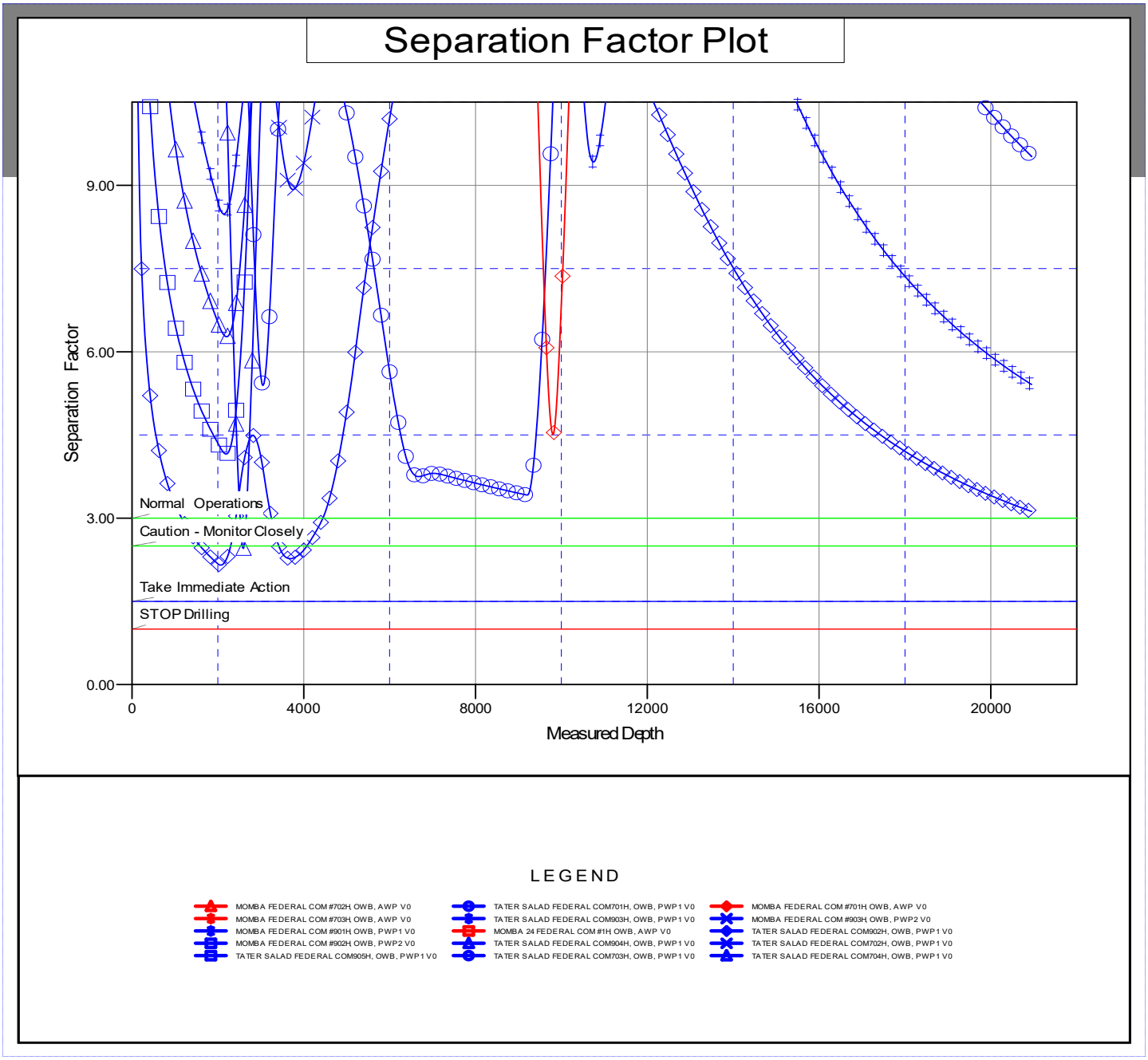
Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Project:	ATLAS PROSPECT (DBW)	**TVD Reference:**	RKB=32ft @ 2945.1usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	**MD Reference:**	RKB=32ft @ 2945.1usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 17 Permian Prod
Reference Design:	PWP1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=32ft @ 2945.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 901H
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 901H
300154774800
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 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**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 901H

Well Position	**+N/-S**	0.0 usft	**Northing:**	376,409.40 usft	**Latitude:**	32° 2' 4.250 N
	+E/-W	0.0 usft	**Easting:**	592,315.60 usft	**Longitude:**	104° 2' 7.530 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,913.1 usft
Grid Convergence:		0.16 °				

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2024	12/31/2025	6.39	59.51	47,044.38152347

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	4.34

Plan Survey Tool Program **Date** 2/18/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	2,000.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp	
2	2,000.0	10,153.2	PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	10,153.2	20,949.4	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	

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Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**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	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,100.0	12.00	82.85	3,095.6	7.8	62.1	2.00	2.00	0.00	82.85	
6,367.7	12.00	82.85	6,291.9	92.3	736.2	0.00	0.00	0.00	0.00	
7,167.6	0.00	0.00	7,086.0	102.7	819.0	1.50	-1.50	0.00	180.00	
10,153.2	0.00	0.00	10,071.6	102.7	819.0	0.00	0.00	0.00	0.00	
10,898.5	89.44	359.93	10,549.0	575.5	818.4	12.00	12.00	-0.01	359.93	
20,949.4	89.44	359.93	10,648.0	10,625.9	806.7	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 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**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	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	2.00	82.85	2,600.0	0.2	1.7	0.3	2.00	2.00	0.00
2,700.0	4.00	82.85	2,699.8	0.9	6.9	1.4	2.00	2.00	0.00
2,800.0	6.00	82.85	2,799.5	2.0	15.6	3.1	2.00	2.00	0.00
2,900.0	8.00	82.85	2,898.7	3.5	27.7	5.6	2.00	2.00	0.00
3,000.0	10.00	82.85	2,997.5	5.4	43.2	8.7	2.00	2.00	0.00
3,100.0	12.00	82.85	3,095.6	7.8	62.1	12.5	2.00	2.00	0.00
3,200.0	12.00	82.85	3,193.4	10.4	82.7	16.6	0.00	0.00	0.00
3,300.0	12.00	82.85	3,291.3	13.0	103.4	20.8	0.00	0.00	0.00
3,400.0	12.00	82.85	3,389.1	15.5	124.0	24.9	0.00	0.00	0.00
3,500.0	12.00	82.85	3,486.9	18.1	144.6	29.0	0.00	0.00	0.00
3,600.0	12.00	82.85	3,584.7	20.7	165.3	33.2	0.00	0.00	0.00
3,700.0	12.00	82.85	3,682.5	23.3	185.9	37.3	0.00	0.00	0.00
3,800.0	12.00	82.85	3,780.3	25.9	206.5	41.5	0.00	0.00	0.00
3,900.0	12.00	82.85	3,878.1	28.5	227.1	45.6	0.00	0.00	0.00
4,000.0	12.00	82.85	3,976.0	31.1	247.8	49.7	0.00	0.00	0.00
4,100.0	12.00	82.85	4,073.8	33.7	268.4	53.9	0.00	0.00	0.00
4,200.0	12.00	82.85	4,171.6	36.2	289.0	58.0	0.00	0.00	0.00
4,300.0	12.00	82.85	4,269.4	38.8	309.7	62.2	0.00	0.00	0.00
4,400.0	12.00	82.85	4,367.2	41.4	330.3	66.3	0.00	0.00	0.00
4,500.0	12.00	82.85	4,465.0	44.0	350.9	70.4	0.00	0.00	0.00
4,600.0	12.00	82.85	4,562.8	46.6	371.5	74.6	0.00	0.00	0.00
4,700.0	12.00	82.85	4,660.7	49.2	392.2	78.7	0.00	0.00	0.00
4,800.0	12.00	82.85	4,758.5	51.8	412.8	82.9	0.00	0.00	0.00
4,900.0	12.00	82.85	4,856.3	54.4	433.4	87.0	0.00	0.00	0.00
5,000.0	12.00	82.85	4,954.1	56.9	454.1	91.1	0.00	0.00	0.00
5,100.0	12.00	82.85	5,051.9	59.5	474.7	95.3	0.00	0.00	0.00
5,200.0	12.00	82.85	5,149.7	62.1	495.3	99.4	0.00	0.00	0.00
5,300.0	12.00	82.85	5,247.6	64.7	515.9	103.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**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)
5,400.0	12.00	82.85	5,345.4	67.3	536.6	107.7	0.00	0.00	0.00
5,500.0	12.00	82.85	5,443.2	69.9	557.2	111.9	0.00	0.00	0.00
5,600.0	12.00	82.85	5,541.0	72.5	577.8	116.0	0.00	0.00	0.00
5,700.0	12.00	82.85	5,638.8	75.0	598.5	120.1	0.00	0.00	0.00
5,800.0	12.00	82.85	5,736.6	77.6	619.1	124.3	0.00	0.00	0.00
5,900.0	12.00	82.85	5,834.4	80.2	639.7	128.4	0.00	0.00	0.00
6,000.0	12.00	82.85	5,932.3	82.8	660.3	132.6	0.00	0.00	0.00
6,100.0	12.00	82.85	6,030.1	85.4	681.0	136.7	0.00	0.00	0.00
6,200.0	12.00	82.85	6,127.9	88.0	701.6	140.8	0.00	0.00	0.00
6,300.0	12.00	82.85	6,225.7	90.6	722.2	145.0	0.00	0.00	0.00
6,367.7	12.00	82.85	6,291.9	92.3	736.2	147.8	0.00	0.00	0.00
6,400.0	11.51	82.85	6,323.5	93.1	742.7	149.1	1.50	-1.50	0.00
6,500.0	10.01	82.85	6,421.8	95.5	761.3	152.8	1.50	-1.50	0.00
6,600.0	8.51	82.85	6,520.5	97.5	777.2	156.0	1.50	-1.50	0.00
6,700.0	7.01	82.85	6,619.6	99.1	790.6	158.7	1.50	-1.50	0.00
6,800.0	5.51	82.85	6,719.0	100.5	801.5	160.9	1.50	-1.50	0.00
6,900.0	4.01	82.85	6,818.6	101.5	809.7	162.5	1.50	-1.50	0.00
7,000.0	2.51	82.85	6,918.4	102.2	815.4	163.7	1.50	-1.50	0.00
7,100.0	1.01	82.85	7,018.4	102.6	818.4	164.3	1.50	-1.50	0.00
7,167.6	0.00	0.00	7,086.0	102.7	819.0	164.4	1.50	-1.50	0.00
7,200.0	0.00	0.00	7,118.4	102.7	819.0	164.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,218.4	102.7	819.0	164.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,318.4	102.7	819.0	164.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,418.4	102.7	819.0	164.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,518.4	102.7	819.0	164.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,618.4	102.7	819.0	164.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,718.4	102.7	819.0	164.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,818.4	102.7	819.0	164.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,918.4	102.7	819.0	164.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,018.4	102.7	819.0	164.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,118.4	102.7	819.0	164.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,218.4	102.7	819.0	164.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,318.4	102.7	819.0	164.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,418.4	102.7	819.0	164.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,518.4	102.7	819.0	164.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,618.4	102.7	819.0	164.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,718.4	102.7	819.0	164.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,818.4	102.7	819.0	164.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,918.4	102.7	819.0	164.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,018.4	102.7	819.0	164.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,118.4	102.7	819.0	164.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,218.4	102.7	819.0	164.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,318.4	102.7	819.0	164.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,418.4	102.7	819.0	164.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,518.4	102.7	819.0	164.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,618.4	102.7	819.0	164.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,718.4	102.7	819.0	164.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,818.4	102.7	819.0	164.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,918.4	102.7	819.0	164.4	0.00	0.00	0.00
10,100.0	0.00	0.00	10,018.4	102.7	819.0	164.4	0.00	0.00	0.00
10,153.2	0.00	0.00	10,071.6	102.7	819.0	164.4	0.00	0.00	0.00
10,175.0	2.62	359.93	10,093.4	103.2	819.0	164.9	12.00	12.00	0.00
10,200.0	5.62	359.93	10,118.3	105.0	819.0	166.7	12.00	12.00	0.00
10,225.0	8.62	359.93	10,143.1	108.1	819.0	169.8	12.00	12.00	0.00

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Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,250.0	11.62	359.93	10,167.7	112.5	819.0	174.2	12.00	12.00	0.00
10,275.0	14.62	359.93	10,192.1	118.2	819.0	179.8	12.00	12.00	0.00
10,300.0	17.62	359.93	10,216.1	125.1	819.0	186.7	12.00	12.00	0.00
10,325.0	20.62	359.93	10,239.7	133.3	819.0	194.9	12.00	12.00	0.00
10,350.0	23.62	359.93	10,262.9	142.7	819.0	204.3	12.00	12.00	0.00
10,375.0	26.62	359.93	10,285.5	153.3	818.9	214.9	12.00	12.00	0.00
10,400.0	29.62	359.93	10,307.5	165.1	818.9	226.6	12.00	12.00	0.00
10,425.0	32.62	359.93	10,328.9	178.0	818.9	239.5	12.00	12.00	0.00
10,450.0	35.62	359.93	10,349.6	192.0	818.9	253.5	12.00	12.00	0.00
10,475.0	38.62	359.93	10,369.6	207.1	818.9	268.5	12.00	12.00	0.00
10,500.0	41.62	359.93	10,388.7	223.2	818.9	284.6	12.00	12.00	0.00
10,525.0	44.62	359.93	10,406.9	240.3	818.8	301.6	12.00	12.00	0.00
10,550.0	47.62	359.93	10,424.3	258.3	818.8	319.6	12.00	12.00	0.00
10,575.0	50.62	359.93	10,440.6	277.2	818.8	338.4	12.00	12.00	0.00
10,600.0	53.62	359.93	10,456.0	297.0	818.8	358.1	12.00	12.00	0.00
10,625.0	56.62	359.93	10,470.3	317.5	818.7	378.5	12.00	12.00	0.00
10,650.0	59.62	359.93	10,483.5	338.7	818.7	399.7	12.00	12.00	0.00
10,675.0	62.62	359.93	10,495.5	360.6	818.7	421.5	12.00	12.00	0.00
10,700.0	65.62	359.93	10,506.4	383.1	818.7	443.9	12.00	12.00	0.00
10,725.0	68.62	359.93	10,516.2	406.1	818.6	466.9	12.00	12.00	0.00
10,750.0	71.62	359.93	10,524.7	429.6	818.6	490.3	12.00	12.00	0.00
10,775.0	74.62	359.93	10,531.9	453.5	818.6	514.2	12.00	12.00	0.00
10,800.0	77.62	359.93	10,537.9	477.8	818.6	538.4	12.00	12.00	0.00
10,825.0	80.62	359.93	10,542.6	502.3	818.5	562.9	12.00	12.00	0.00
10,850.0	83.62	359.93	10,546.1	527.1	818.5	587.6	12.00	12.00	0.00
10,875.0	86.62	359.93	10,548.2	552.0	818.5	612.4	12.00	12.00	0.00
10,898.5	89.44	359.93	10,549.0	575.5	818.4	635.8	12.00	12.00	0.00
10,900.0	89.44	359.93	10,549.0	577.0	818.4	637.3	0.00	0.00	0.00
11,000.0	89.44	359.93	10,550.0	677.0	818.3	737.0	0.00	0.00	0.00
11,100.0	89.44	359.93	10,551.0	777.0	818.2	836.7	0.00	0.00	0.00
11,200.0	89.44	359.93	10,552.0	877.0	818.1	936.4	0.00	0.00	0.00
11,300.0	89.44	359.93	10,553.0	977.0	818.0	1,036.1	0.00	0.00	0.00
11,400.0	89.44	359.93	10,553.9	1,077.0	817.9	1,135.8	0.00	0.00	0.00
11,500.0	89.44	359.93	10,554.9	1,177.0	817.7	1,235.5	0.00	0.00	0.00
11,600.0	89.44	359.93	10,555.9	1,277.0	817.6	1,335.2	0.00	0.00	0.00
11,700.0	89.44	359.93	10,556.9	1,377.0	817.5	1,434.9	0.00	0.00	0.00
11,800.0	89.44	359.93	10,557.9	1,477.0	817.4	1,534.6	0.00	0.00	0.00
11,900.0	89.44	359.93	10,558.9	1,576.9	817.3	1,634.3	0.00	0.00	0.00
12,000.0	89.44	359.93	10,559.8	1,676.9	817.2	1,734.0	0.00	0.00	0.00
12,100.0	89.44	359.93	10,560.8	1,776.9	817.0	1,833.7	0.00	0.00	0.00
12,200.0	89.44	359.93	10,561.8	1,876.9	816.9	1,933.4	0.00	0.00	0.00
12,300.0	89.44	359.93	10,562.8	1,976.9	816.8	2,033.1	0.00	0.00	0.00
12,400.0	89.44	359.93	10,563.8	2,076.9	816.7	2,132.8	0.00	0.00	0.00
12,500.0	89.44	359.93	10,564.8	2,176.9	816.6	2,232.5	0.00	0.00	0.00
12,600.0	89.44	359.93	10,565.8	2,276.9	816.5	2,332.2	0.00	0.00	0.00
12,700.0	89.44	359.93	10,566.7	2,376.9	816.3	2,431.9	0.00	0.00	0.00
12,800.0	89.44	359.93	10,567.7	2,476.9	816.2	2,531.6	0.00	0.00	0.00
12,900.0	89.44	359.93	10,568.7	2,576.9	816.1	2,631.3	0.00	0.00	0.00
13,000.0	89.44	359.93	10,569.7	2,676.9	816.0	2,731.0	0.00	0.00	0.00
13,100.0	89.44	359.93	10,570.7	2,776.9	815.9	2,830.7	0.00	0.00	0.00
13,200.0	89.44	359.93	10,571.7	2,876.9	815.8	2,930.4	0.00	0.00	0.00
13,300.0	89.44	359.93	10,572.7	2,976.9	815.6	3,030.1	0.00	0.00	0.00
13,400.0	89.44	359.93	10,573.6	3,076.9	815.5	3,129.8	0.00	0.00	0.00
13,500.0	89.44	359.93	10,574.6	3,176.9	815.4	3,229.5	0.00	0.00	0.00

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Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	89.44	359.93	10,575.6	3,276.9	815.3	3,329.2	0.00	0.00	0.00
13,700.0	89.44	359.93	10,576.6	3,376.9	815.2	3,428.9	0.00	0.00	0.00
13,800.0	89.44	359.93	10,577.6	3,476.9	815.1	3,528.6	0.00	0.00	0.00
13,900.0	89.44	359.93	10,578.6	3,576.8	814.9	3,628.3	0.00	0.00	0.00
14,000.0	89.44	359.93	10,579.5	3,676.8	814.8	3,728.0	0.00	0.00	0.00
14,100.0	89.44	359.93	10,580.5	3,776.8	814.7	3,827.7	0.00	0.00	0.00
14,200.0	89.44	359.93	10,581.5	3,876.8	814.6	3,927.4	0.00	0.00	0.00
14,300.0	89.44	359.93	10,582.5	3,976.8	814.5	4,027.1	0.00	0.00	0.00
14,400.0	89.44	359.93	10,583.5	4,076.8	814.4	4,126.8	0.00	0.00	0.00
14,500.0	89.44	359.93	10,584.5	4,176.8	814.2	4,226.5	0.00	0.00	0.00
14,600.0	89.44	359.93	10,585.5	4,276.8	814.1	4,326.2	0.00	0.00	0.00
14,700.0	89.44	359.93	10,586.4	4,376.8	814.0	4,425.9	0.00	0.00	0.00
14,800.0	89.44	359.93	10,587.4	4,476.8	813.9	4,525.6	0.00	0.00	0.00
14,900.0	89.44	359.93	10,588.4	4,576.8	813.8	4,625.3	0.00	0.00	0.00
15,000.0	89.44	359.93	10,589.4	4,676.8	813.7	4,725.0	0.00	0.00	0.00
15,100.0	89.44	359.93	10,590.4	4,776.8	813.5	4,824.7	0.00	0.00	0.00
15,200.0	89.44	359.93	10,591.4	4,876.8	813.4	4,924.4	0.00	0.00	0.00
15,300.0	89.44	359.93	10,592.4	4,976.8	813.3	5,024.1	0.00	0.00	0.00
15,400.0	89.44	359.93	10,593.3	5,076.8	813.2	5,123.8	0.00	0.00	0.00
15,500.0	89.44	359.93	10,594.3	5,176.8	813.1	5,223.5	0.00	0.00	0.00
15,600.0	89.44	359.93	10,595.3	5,276.8	813.0	5,323.2	0.00	0.00	0.00
15,700.0	89.44	359.93	10,596.3	5,376.8	812.8	5,422.9	0.00	0.00	0.00
15,800.0	89.44	359.93	10,597.3	5,476.8	812.7	5,522.6	0.00	0.00	0.00
15,900.0	89.44	359.93	10,598.3	5,576.7	812.6	5,622.3	0.00	0.00	0.00
16,000.0	89.44	359.93	10,599.2	5,676.7	812.5	5,722.0	0.00	0.00	0.00
16,100.0	89.44	359.93	10,600.2	5,776.7	812.4	5,821.7	0.00	0.00	0.00
16,200.0	89.44	359.93	10,601.2	5,876.7	812.3	5,921.4	0.00	0.00	0.00
16,300.0	89.44	359.93	10,602.2	5,976.7	812.1	6,021.1	0.00	0.00	0.00
16,400.0	89.44	359.93	10,603.2	6,076.7	812.0	6,120.8	0.00	0.00	0.00
16,500.0	89.44	359.93	10,604.2	6,176.7	811.9	6,220.5	0.00	0.00	0.00
16,600.0	89.44	359.93	10,605.2	6,276.7	811.8	6,320.2	0.00	0.00	0.00
16,700.0	89.44	359.93	10,606.1	6,376.7	811.7	6,419.9	0.00	0.00	0.00
16,800.0	89.44	359.93	10,607.1	6,476.7	811.5	6,519.6	0.00	0.00	0.00
16,900.0	89.44	359.93	10,608.1	6,576.7	811.4	6,619.3	0.00	0.00	0.00
17,000.0	89.44	359.93	10,609.1	6,676.7	811.3	6,719.0	0.00	0.00	0.00
17,100.0	89.44	359.93	10,610.1	6,776.7	811.2	6,818.7	0.00	0.00	0.00
17,200.0	89.44	359.93	10,611.1	6,876.7	811.1	6,918.4	0.00	0.00	0.00
17,300.0	89.44	359.93	10,612.1	6,976.7	811.0	7,018.1	0.00	0.00	0.00
17,400.0	89.44	359.93	10,613.0	7,076.7	810.8	7,117.8	0.00	0.00	0.00
17,500.0	89.44	359.93	10,614.0	7,176.7	810.7	7,217.5	0.00	0.00	0.00
17,600.0	89.44	359.93	10,615.0	7,276.7	810.6	7,317.2	0.00	0.00	0.00
17,700.0	89.44	359.93	10,616.0	7,376.7	810.5	7,416.8	0.00	0.00	0.00
17,800.0	89.44	359.93	10,617.0	7,476.7	810.4	7,516.5	0.00	0.00	0.00
17,900.0	89.44	359.93	10,618.0	7,576.7	810.3	7,616.2	0.00	0.00	0.00
18,000.0	89.44	359.93	10,618.9	7,676.6	810.1	7,715.9	0.00	0.00	0.00
18,100.0	89.44	359.93	10,619.9	7,776.6	810.0	7,815.6	0.00	0.00	0.00
18,200.0	89.44	359.93	10,620.9	7,876.6	809.9	7,915.3	0.00	0.00	0.00
18,300.0	89.44	359.93	10,621.9	7,976.6	809.8	8,015.0	0.00	0.00	0.00
18,400.0	89.44	359.93	10,622.9	8,076.6	809.7	8,114.7	0.00	0.00	0.00
18,500.0	89.44	359.93	10,623.9	8,176.6	809.6	8,214.4	0.00	0.00	0.00
18,600.0	89.44	359.93	10,624.9	8,276.6	809.4	8,314.1	0.00	0.00	0.00
18,700.0	89.44	359.93	10,625.8	8,376.6	809.3	8,413.8	0.00	0.00	0.00
18,800.0	89.44	359.93	10,626.8	8,476.6	809.2	8,513.5	0.00	0.00	0.00
18,900.0	89.44	359.93	10,627.8	8,576.6	809.1	8,613.2	0.00	0.00	0.00

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Planning Report

Database:	EDT 17 Permian Prod	**Local Co-ordinate Reference:**	Well TATER SALAD FEDERAL COM 901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB=32ft @ 2945.1usft
Project:	ATLAS PROSPECT (DBW)	**MD Reference:**	RKB=32ft @ 2945.1usft
Site:	TATER SALAD & MOMBA FEDERAL	**North Reference:**	Grid
Well:	TATER SALAD FEDERAL COM 901H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,000.0	89.44	359.93	10,628.8	8,676.6	809.0	8,712.9	0.00	0.00	0.00
19,100.0	89.44	359.93	10,629.8	8,776.6	808.9	8,812.6	0.00	0.00	0.00
19,200.0	89.44	359.93	10,630.8	8,876.6	808.7	8,912.3	0.00	0.00	0.00
19,300.0	89.44	359.93	10,631.8	8,976.6	808.6	9,012.0	0.00	0.00	0.00
19,400.0	89.44	359.93	10,632.7	9,076.6	808.5	9,111.7	0.00	0.00	0.00
19,500.0	89.44	359.93	10,633.7	9,176.6	808.4	9,211.4	0.00	0.00	0.00
19,600.0	89.44	359.93	10,634.7	9,276.6	808.3	9,311.1	0.00	0.00	0.00
19,700.0	89.44	359.93	10,635.7	9,376.6	808.2	9,410.8	0.00	0.00	0.00
19,800.0	89.44	359.93	10,636.7	9,476.6	808.0	9,510.5	0.00	0.00	0.00
19,900.0	89.44	359.93	10,637.7	9,576.6	807.9	9,610.2	0.00	0.00	0.00
20,000.0	89.44	359.93	10,638.6	9,676.5	807.8	9,709.9	0.00	0.00	0.00
20,100.0	89.44	359.93	10,639.6	9,776.5	807.7	9,809.6	0.00	0.00	0.00
20,200.0	89.44	359.93	10,640.6	9,876.5	807.6	9,909.3	0.00	0.00	0.00
20,300.0	89.44	359.93	10,641.6	9,976.5	807.5	10,009.0	0.00	0.00	0.00
20,400.0	89.44	359.93	10,642.6	10,076.5	807.3	10,108.7	0.00	0.00	0.00
20,500.0	89.44	359.93	10,643.6	10,176.5	807.2	10,208.4	0.00	0.00	0.00
20,600.0	89.44	359.93	10,644.6	10,276.5	807.1	10,308.1	0.00	0.00	0.00
20,700.0	89.44	359.93	10,645.5	10,376.5	807.0	10,407.8	0.00	0.00	0.00
20,800.0	89.44	359.93	10,646.5	10,476.5	806.9	10,507.5	0.00	0.00	0.00
20,900.0	89.44	359.93	10,647.5	10,576.5	806.8	10,607.2	0.00	0.00	0.00
20,949.4	89.44	359.93	10,648.0	10,625.9	806.7	10,656.5	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (TATER SALAD FE	0.00	0.00	10,549.0	600.1	818.1	377,009.50	593,133.70	32° 2' 10.167 N	104° 1' 58.006 W
- plan misses target center by 0.4usft at 10923.1usft MD (10549.2 TVD, 600.1 N, 818.4 E)									
- Circle (radius 50.0)									
LTP (TATER SALAD FEI	0.00	0.00	10,646.7	10,495.9	806.9	386,905.30	593,122.50	32° 3' 48.101 N	104° 1' 57.816 W
- plan hits target center									
- Point									
PBHL (TATER SALAD F	-0.56	179.93	10,648.0	10,625.9	806.7	387,035.30	593,122.30	32° 3' 49.388 N	104° 1' 57.814 W
- plan hits target center									
- Rectangle (sides W100.0 H10,023.1 D20.0)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,500.0	2,500.0	0.0	0.0	Start Build 2.00
3,100.0	3,095.6	7.8	62.1	Start 3267.7 hold at 3100.0 MD
6,367.7	6,291.9	92.3	736.2	Start Drop -1.50
7,167.6	7,086.0	102.7	819.0	Start 2985.6 hold at 7167.6 MD
10,153.2	10,071.6	102.7	819.0	Start DLS 12.00 TFO 359.93
10,898.5	10,549.0	575.5	818.4	Start 10050.9 hold at 10898.5 MD
20,949.4	10,648.0	10,625.9	806.7	TD at 20949.4

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Project: ATLAS PROSPECT (DBW)
Site: TATER SALAD & MOMBA FEDERAL
Well: TATER SALAD FEDERAL COM 901H
Wellbore: OWB
Design: PWP1
GL: 2913.1
RKB=32ft @ 2945.1usft

WELL DETAILS: TATER SALAD FEDERAL COM 901H

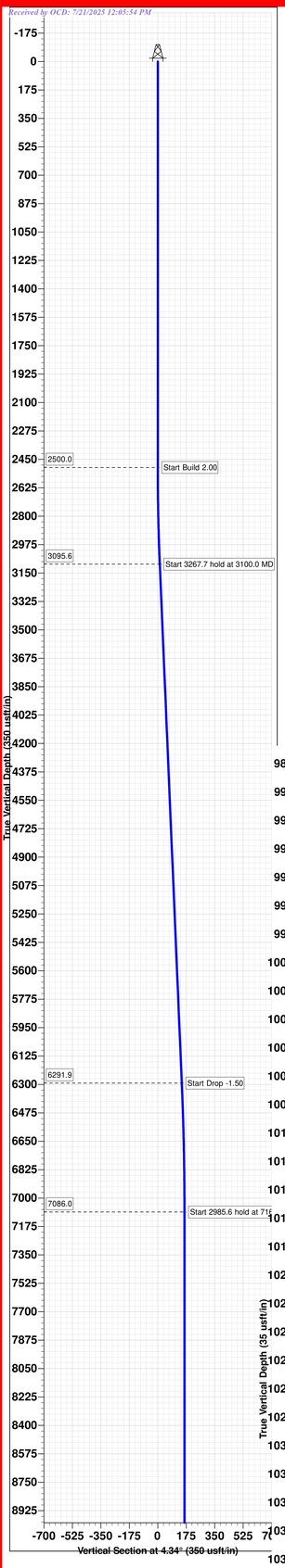
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	376409.40	592315.60	32° 2' 4.250 N	104° 2' 7.530 W

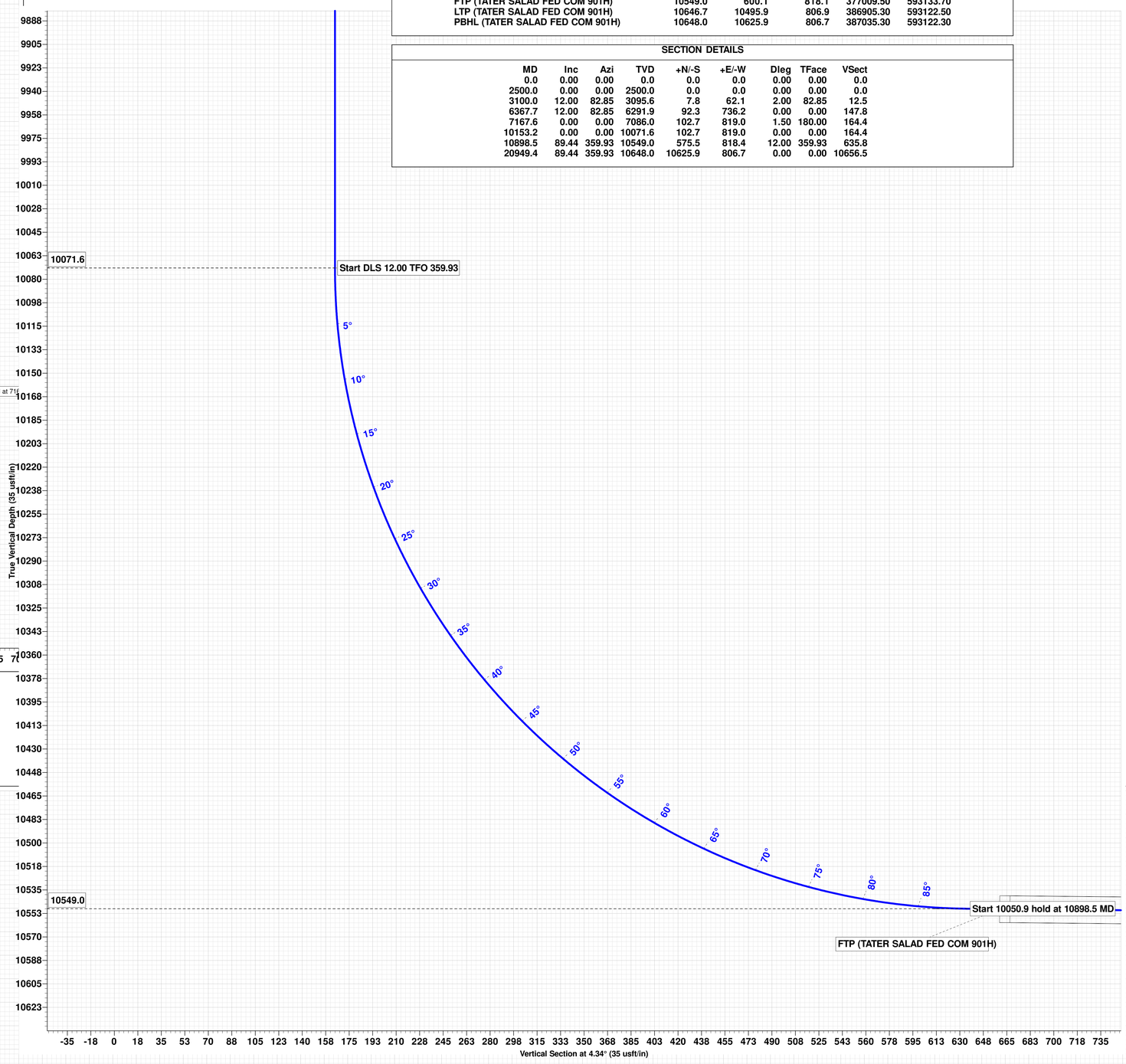
DESIGN TARGET DETAILS

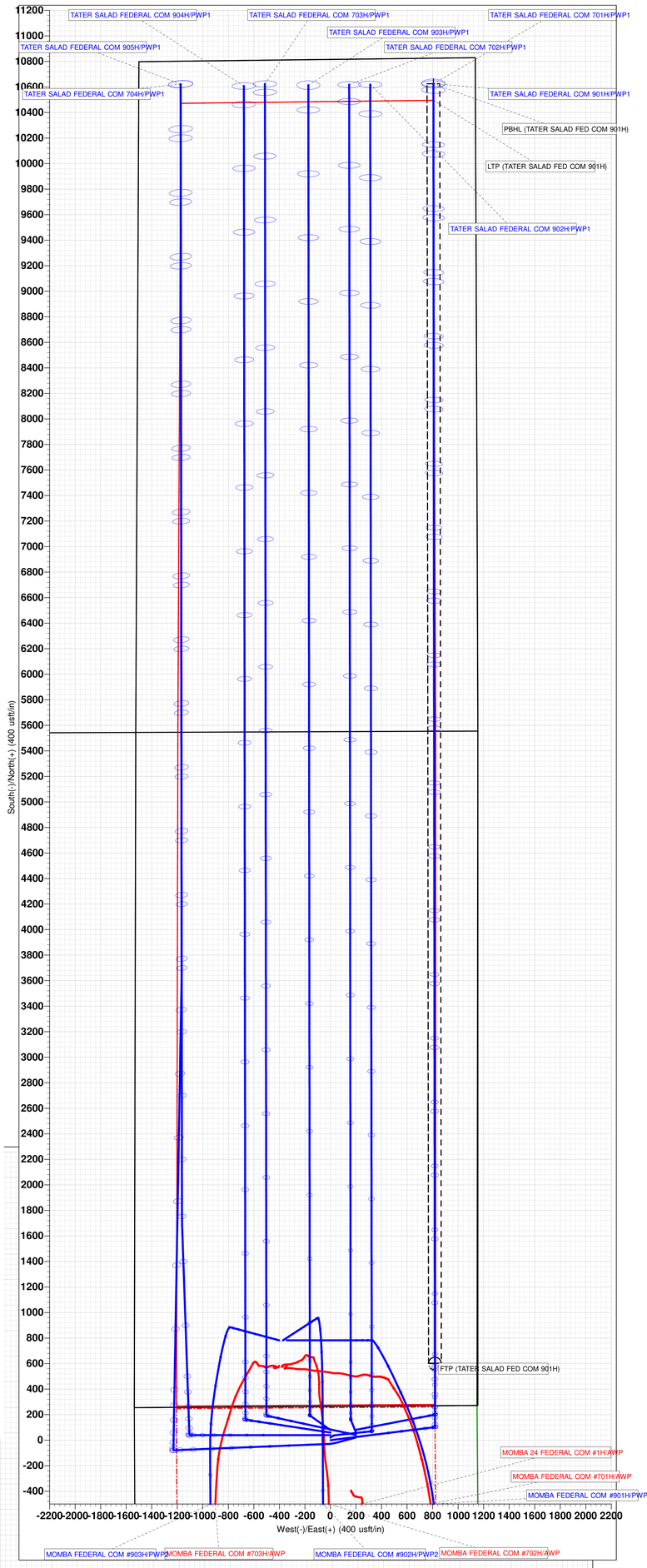
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 901H)	10549.0	600.1	818.1	377009.50	593133.70
LTP (TATER SALAD FED COM 901H)	10646.7	10495.9	806.9	386905.30	593122.50
PBHL (TATER SALAD FED COM 901H)	10648.0	10625.9	806.7	387035.30	593122.30

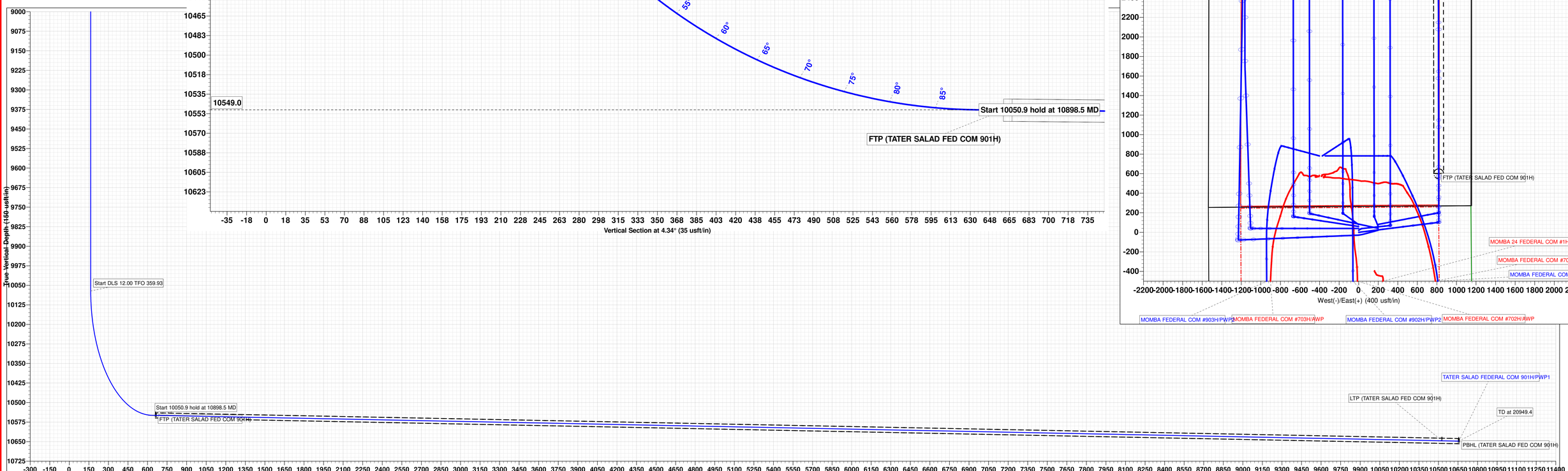
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0
3100.0	12.00	82.85	3095.6	7.8	62.1	2.00	82.85	12.5
6367.7	12.00	82.85	6291.9	92.3	736.2	0.00	0.00	147.8
7167.6	0.00	0.00	7086.0	102.7	819.0	1.50	180.00	164.4
10153.2	0.00	0.00	10071.6	102.7	819.0	0.00	0.00	164.4
10898.5	89.44	359.93	10549.0	575.5	818.4	12.00	359.93	635.8
20949.4	89.44	359.93	10648.0	10625.9	806.7	0.00	0.00	10656.5









PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 901H
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

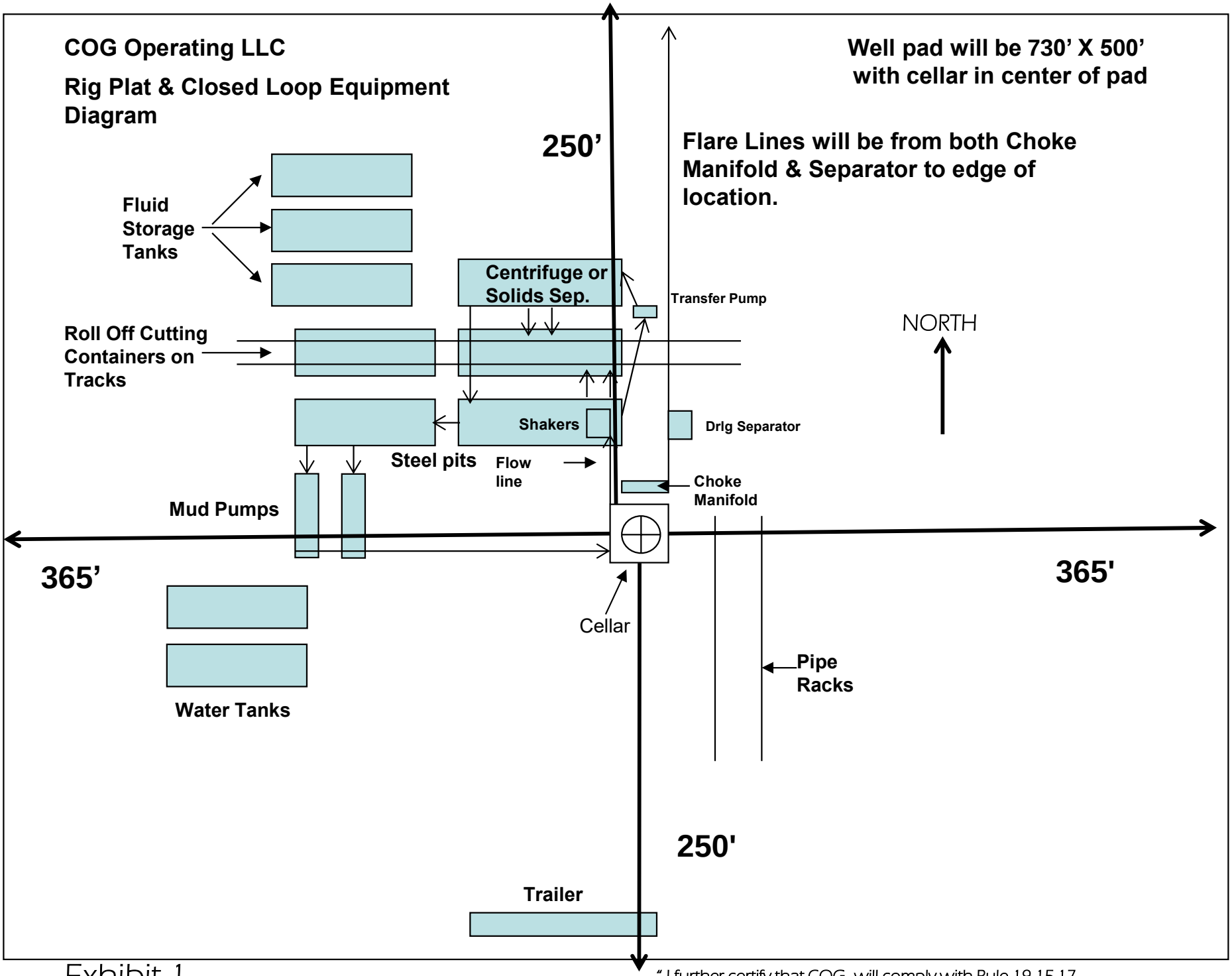


Exhibit 1

" 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 901H

1. Geologic Formations

TVD of target	10,570' EOL	Pilot hole depth	NA
MD at TD:	20,970'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	465	Water	
Top of Salt	595	Salt	
Base of Salt	2463	Salt	
Lamar	2662	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3540	Oil/Gas	
Brushy Canyon	4817	Oil/Gas	
Bone Spring	6377	Oil/Gas	
1st Bone Spring Sand	7282	Oil/Gas	
2nd Bone Spring Sand	8007	Oil/Gas	
3rd Bone Spring Sand	9144	Oil/Gas	
Wolfcamp	9495	Oil/Gas	
Wolfcamp A	9606	Oil/Gas	
Wolfcamp B	9946	Oil/Gas	
Wolfcamp C	10479	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.	SF	SF Burst	SF	SF
	From	To		(lbs)			Collapse		Body	Joint
14.75"	0	450	10.75"	45.5	J55	BTC	10.15	1.14	34.92	38.88
9.875"	0	7500	7.625"	29.7	L80-ICY	BTC	1.51	1.15	3.26	3.29
8.750"	7500	10075	7.625"	29.7	P110-ICY	W513	1.40	1.74	3.57	2.14
6.75"	0	9875	5.5"	23	P110-CY	BTC	2.10	2.44	3.21	3.21
6.75"	9875	20,970	5.5"	23	P110-CY	W441	1.96	2.28	3.00	2.72
					BLM Minimum Safety Factor		1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

2b. Contingtency Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	450	13.375"	54.5	J55	BTC	5.49	2.53	34.78	37.06
12.25"	0	2570	9.625"	40	L80-IC	BTC	2.90	1.46	8.91	9.21
8.75"	2370	10075	7.625"	29.7	P110-ICY	W513	1.40	1.74	3.57	2.14
6.75"	0	9875	5.5"	23	P110-CY	BTC	2.10	2.44	3.21	3.21
6.75"	9875	20,970	5.5"	23	P110-CY	W441	1.96	2.28	3.00	2.72
				BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

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

ConocoPhillips Company - TATER SALAD FED COM 901H

	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 901H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	220	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Inter. Stage 1	740	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	620	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
Production	9,575'	20% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	270	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Int. #1	300	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl2
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl2
Inter. #2 (Liner)	300	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	510	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Casing String	TOC	% Excess
Surface	0'	50%
1st Intermediate	0'	50%
2nd Intermediate	2,370'	20%
Production	9,825'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - TATER SALAD FED COM 901H

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 901H

5. Mud Program

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

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

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

5b. Contingency Mud Program

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

6. Logging and Testing Procedures

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

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

ConocoPhillips Company - TATER SALAD FED COM 901H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7425 psi at 10570' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

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

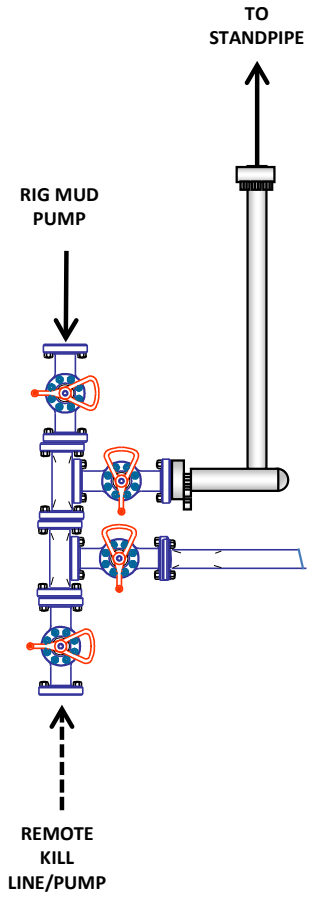
8. Other Facets of Operation

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

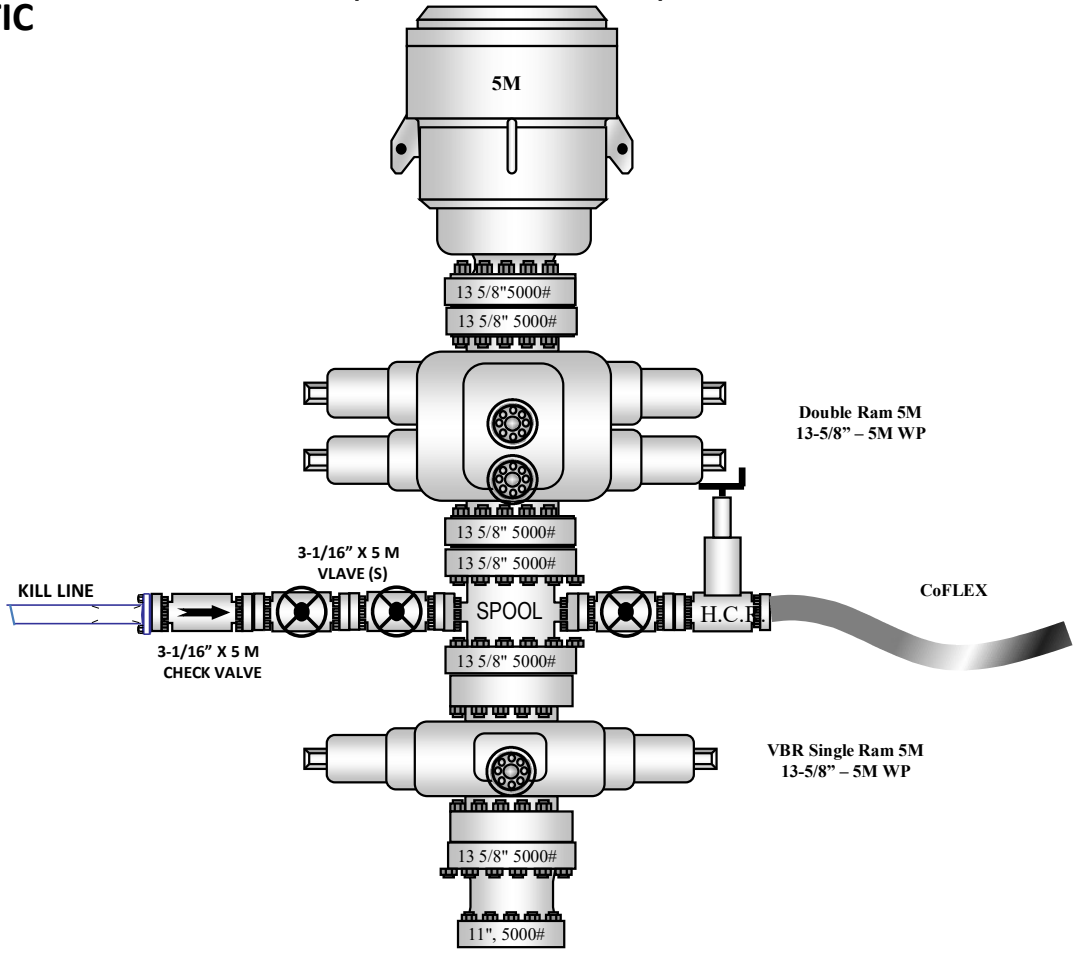
x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

5M BOP Stack

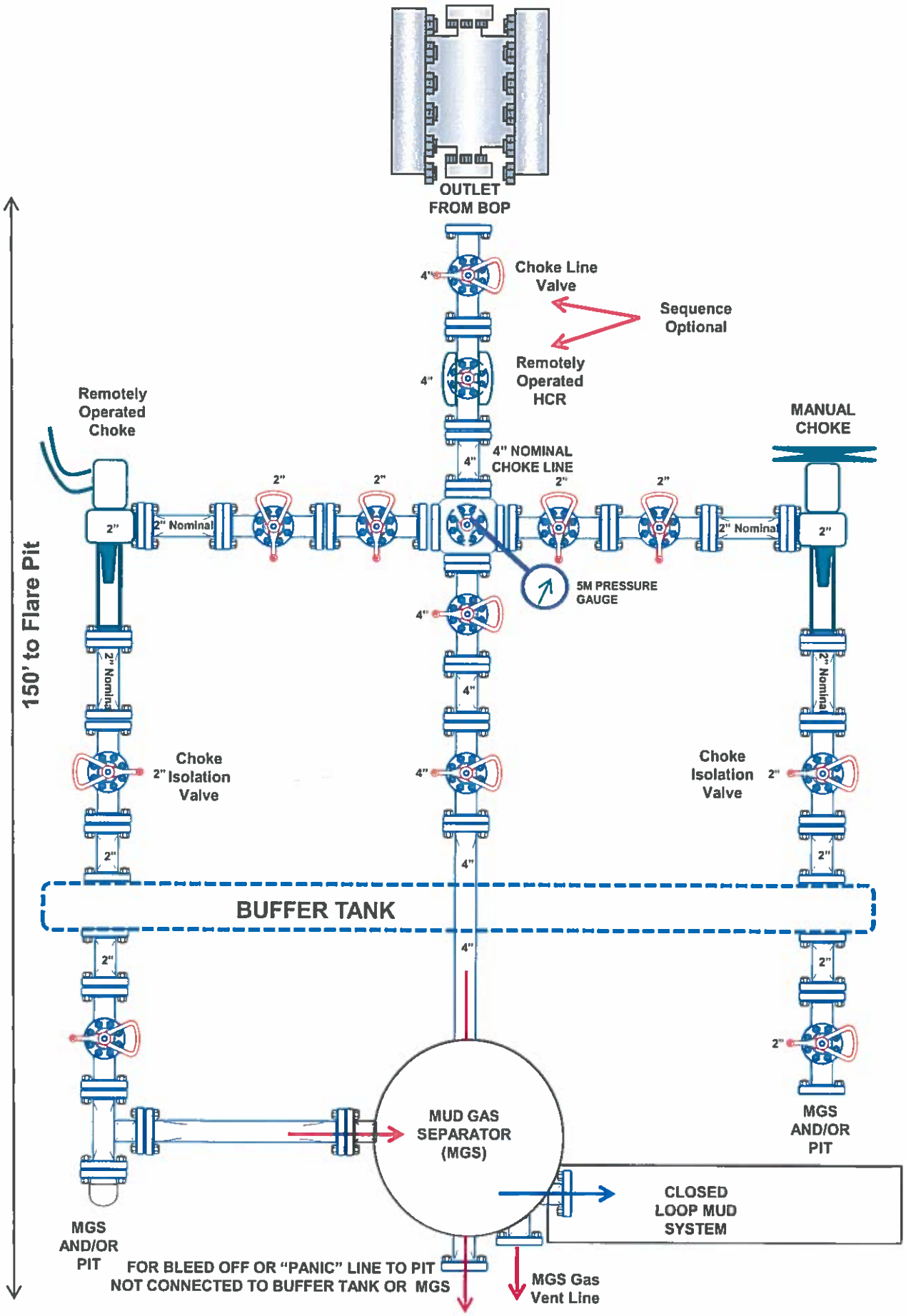
10M REMOTE KILL SCHEMATIC



5M BOP Stack
(2.5M Annular)

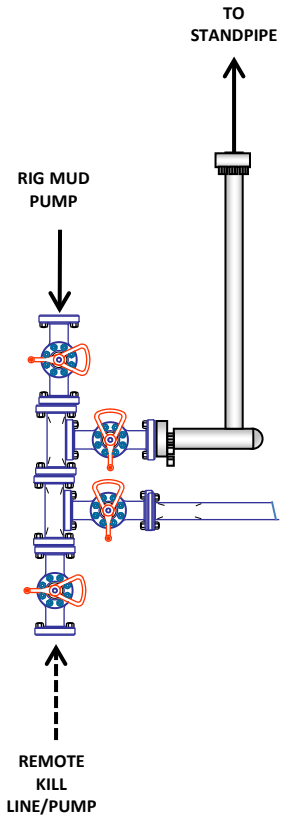


5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)

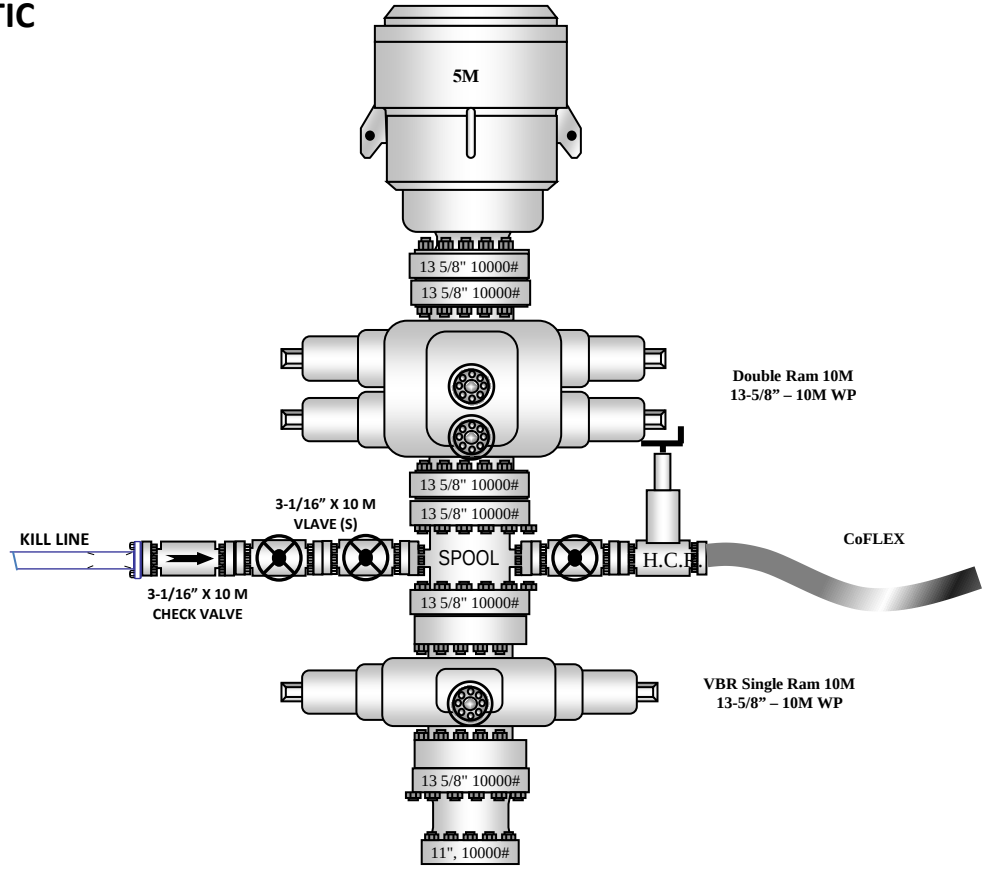


10M BOP Stack

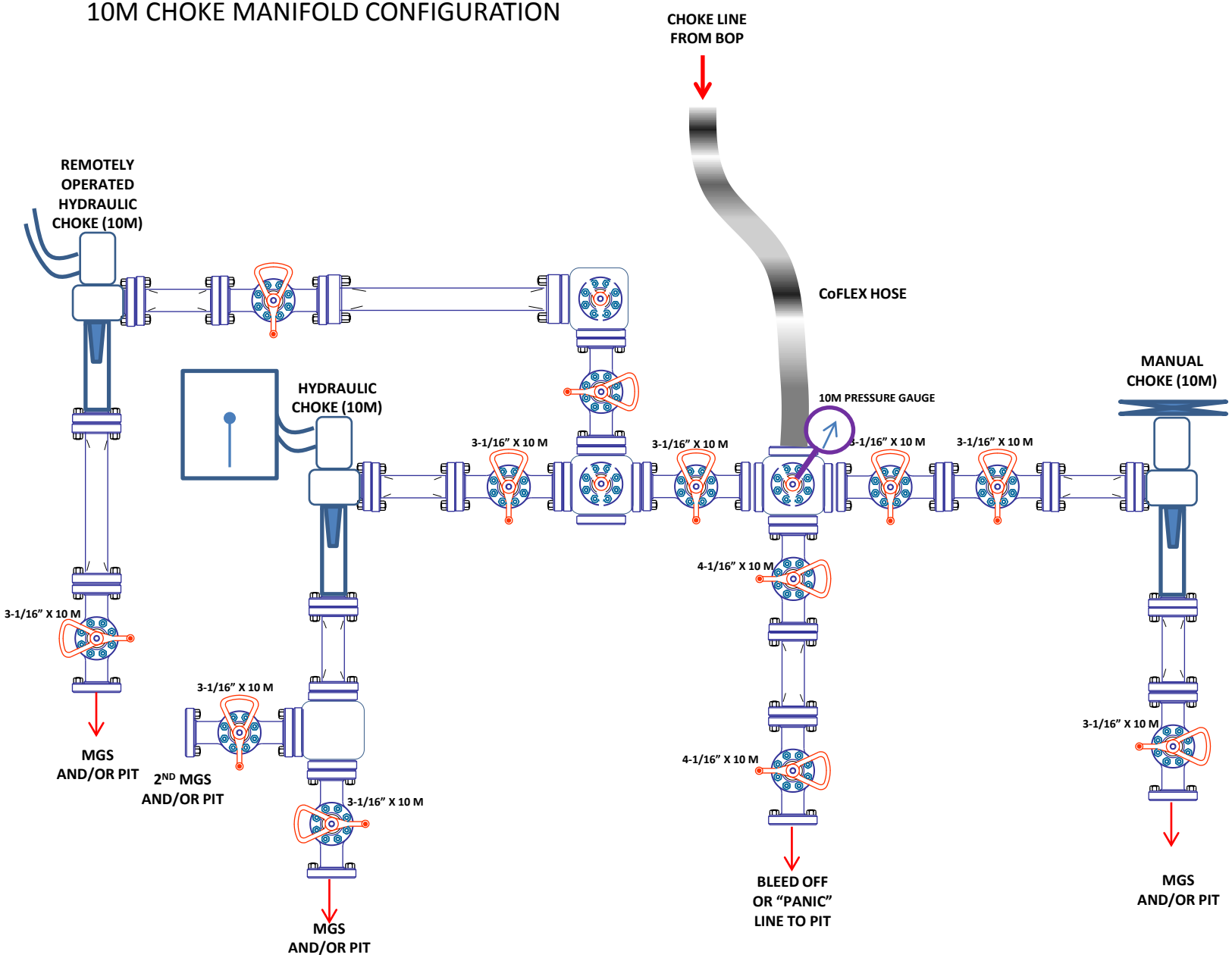
10M REMOTE KILL SCHEMATIC



10M BOP Stack
(5M Annular)



10M CHOKE MANIFOLD CONFIGURATION



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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 487074
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 487074
	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