

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

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		5. Lease Serial No. NMNM12559 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No. TATER SALAD FEDERAL COM 701H 9. API Well No. 30-015-57147
2. Name of Operator COG OPERATING LLC 3a. Address 600 West Illinois Ave, Midland, TX 79701 3b. Phone No. (include area code) (432) 683-7443		10. Field and Pool, or Exploratory PURPLE SAGE/Wolfcamp, Gas 11. Sec., T. R. M. or Blk. and Survey or Area SEC 24/T26S/R28E/NMP
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE / 185 FNL / 950 FEL / LAT 32.03486 / LONG -104.035265 At proposed prod. zone NENE / 200 FNL / 330 FEL / LAT 32.063843 / LONG -104.033212		12. County or Parish EDDY 13. State NM
14. Distance in miles and direction from nearest town or post office* 15 miles		15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 50 feet 16. No of acres in lease 17. Spacing Unit dedicated to this well 640.0
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 30 feet 19. Proposed Depth 9630 feet / 19908 feet 20. BLM/BIA Bond No. in file FED: NMB000215		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 2914 feet 22. Approximate date work will start* 12/01/2025 23. Estimated duration 30 days
24. Attachments		

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

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

25. Signature (Electronic Submission) Title Regulatory Analyst	Name (Printed/Typed) MAYTE REYES / Ph: (432) 683-7443	Date 04/15/2025
Approved by (Signature) (Electronic Submission) Title Petroleum Engineer	Name (Printed/Typed) CHRISTOPHER WALLS / Ph: (575) 234-2234 Office Carlsbad Field Office	Date 07/10/2025

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.

(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 well, 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 directionally 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 well 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 will 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 connects this information to an 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 Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

0. SHL: NENE / 185 FNL / 950 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.03486 / LONG: -104.035265 (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: 9593 feet, MD: 9852 feet)

PPP: SWNE / 1321 FNL / 330 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042638 / LONG: -104.033252 (TVD: 9614 feet, MD: 11872 feet)

BHL: NENE / 200 FNL / 330 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063843 / LONG: -104.033212 (TVD: 9630 feet, MD: 19908 feet)

BLM Point of Contact

Name: JANET D ESTES

Title: ADJUDICATOR

Phone: (575) 234-6233

Email: JESTES@BLM.GOV

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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.

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

Application Data

07/21/2025

APD ID: 10400104470

Submission Date: 04/15/2025

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Section 1 - General

APD ID: 10400104470

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: 701H

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:** 701H**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_701H_C102_20250415103632.pdf**Well work start Date:** 12/01/2025**Duration:** 30 DAYS**Section 3 - Well Location Table****Survey Type:** RECTANGULAR**Describe Survey Type:****Datum:** NAD83**Vertical Datum:** NAVD88**Survey number:****Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	185	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03486	- 104.035265	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	2914			Y
KOP Leg #1	185	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03486	- 104.035265	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	2914	0	0	Y

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H

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	EDD Y	NEW MEXICO	NEW MEXICO	F	NMNM 12559	- 6679	9852	9593	Y
PPP Leg #1-2	1321	FNL	330	FEL	26S	28E	13	Aliquot SWNE	32.042638	- 104.033252	EDD Y	NEW MEXICO	NEW MEXICO	F	NMNM 117119	- 6700	11872	9614	Y
EXIT Leg #1	330	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063486	- 104.033212	EDD Y	NEW MEXICO	NEW MEXICO	F	NMNM 12559	- 6762	19800	9676	Y
BHL Leg #1	200	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063843	- 104.033212	EDD Y	NEW MEXICO	NEW MEXICO	F	NMNM 12559	- 6716	19908	9630	Y



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

APD Print Report

07/21/2025

APD ID: 10400104470**Submission Date:** 04/15/2025

Highlighted data
reflects the most
recent changes

Operator Name: COG OPERATING LLC**Federal/Indian APD:** FED[Show Final Text](#)**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**Well Type:** OIL WELL**Well Work Type:** Drill

Application

Section 1 - General

APD ID: 10400104470**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:**

Approval Date: 07/10/2025

Page 1 of 23

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

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: 701H

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

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:

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

Well Class: HORIZONTAL

TATER SALAD FEDERAL COM

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_701H_C102_20250415103632.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
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Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	185	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03486	- 104.035265	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	2914			Y
KOP Leg #1	185	FNL	950	FEL	26S	28E	24	Aliquot NENE	32.03486	- 104.035265	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	2914	0	0	Y
PPP Leg #1-1	330	FSL	330	FEL	26S	28E	13	Aliquot SESE	32.036282	- 104.033264	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	- 6679	9852	9593	Y
PPP Leg #1-2	1321	FNL	330	FEL	26S	28E	13	Aliquot SWNE	32.042638	- 104.033252	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 117119	- 6700	11872	9614	Y
EXIT Leg #1	330	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063486	- 104.033212	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	- 6762	19800	9676	Y
BHL Leg #1	200	FNL	330	FEL	26S	28E	12	Aliquot NENE	32.063843	- 104.033212	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 12559	- 6716	19908	9630	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002097	QUATERNARY	2914	0	0	ALLUVIUM	NONE	N
16002101	RUSTLER	2448	466	466	ALLUVIUM	NONE	N
16002102	TOP SALT	2318	596	596	SALT	NONE	N
16002103	BASE OF SALT	444	2470	2470	ANHYDRITE	NONE	N
16002108	LAMAR	246	2668	2668	LIMESTONE	NONE	N
16002109	BELL CANYON	201	2713	2713	LIMESTONE	NONE	N
16002104	CHERRY CANYON	-640	3554	3554	SANDSTONE	NATURAL GAS, OIL	N

Approval Date: 07/10/2025

Page 3 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002110	BRUSHY CANYON	-1901	4815	4815	SANDSTONE	NATURAL GAS, OIL	N
16002105	BONE SPRING	-3467	6381	6381	SHALE	NATURAL GAS, OIL	N
16002106	BONE SPRING 1ST	-4373	7287	7287	SANDSTONE	NATURAL GAS, OIL	N
16002112	BONE SPRING 2ND	-5095	8009	8009	SANDSTONE	NATURAL GAS, OIL	N
16002100	BONE SPRING 3RD	-6233	9147	9147	SANDSTONE	NATURAL GAS, OIL	N
16002111	WOLFCAMP	-6585	9499	9499	SHALE	NATURAL GAS, OIL	Y
16002116		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002118		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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

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

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.

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

Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Approval Date: 07/10/2025

Page 4 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**Pressure Rating (PSI):** 5M**Rating Depth:** 9100**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	34.2
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	9100	0	9100	-6907	-6186	9100	OTHER - P110-CY	29.7	OTHER - W513	1.56	1.91	DRY	2.37	DRY	3.
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	19908	0	9630	-6907	-6716	19908	OTHER - P110-CY	23	OTHER - W441	2.15	2.51	DRY	2.99	DRY	3.

Casing Attachments

Approval Date: 07/10/2025

Page 5 of 23

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212134.pdf

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_701H_Casing_Program_20250414212227.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212311.pdf

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_701H_Casing_Program_20250414212414.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212452.pdf

Section 4 - Cement

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H

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	9100	700	3.3	10.3	2310	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	9100	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		9630	19908	560	1.48	12.5	828	20	Lead: 50:50:10 H Blend	No additives
PRODUCTION	Tail		9630	19908	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	9100	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
9100	19908	OIL-BASED MUD	9.6	13.5							OBM

Approval Date: 07/10/2025

Page 7 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H

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

Section 6 - Test, Logging, Coring

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

None planned

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

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6765

Anticipated Surface Pressure: 4636

Anticipated Bottom Hole Temperature(F): 155

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

Describe:

Contingency Plans geohazards 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

Approval Date: 07/10/2025

Page 8 of 23

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

COG_Tater_Salad_701H_Directional_Plan_20250414213635.pdf
COG_Tater_Salad_701H_AC_Report_20250414213635.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_701H_Cement_Program_20250414213721.pdf
COG_Tater_Salad_701H_Casing_Program_20250414213719.pdf
COG_Tater_Salad_701H_Drilling_Program_20250414213719.pdf
COG_Tater_Salad_701H_GCP_20250414214345.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:** 701H

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.

Approval Date: 07/10/2025

Page 10 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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_701H_1_Mile_Data_20250414202938.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_Layout_20250414203330.pdf

COG_Tater_Salad_Flowline_Gas_Line_20250414203330.pdf

COG_Tater_Salad_Powerline_20250414203331.pdf

COG_Tater_Salad_Layout_20250414172706.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:**

Approval Date: 07/10/2025

Page 11 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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:**

Approval Date: 07/10/2025

Page 12 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**Aquifer documentation:****Well depth (ft):****Well casing type:****Well casing outside diameter (in.):****Well casing inside diameter (in.):****New water well casing?****Used casing source:****Drilling method:****Drill material:****Grout material:****Grout depth:****Casing length (ft.):****Casing top depth (ft.):****Well Production type:****Completion Method:****Water well additional information:****State appropriation permit:****Additional information attachment:****Section 6 - Construction Materials****Using any construction materials:** YES**Construction Materials description:** Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be obtained from the Potato Baby caliche pit located in Section 24. T26S. R29E. NWNW**Construction Materials source location****Section 7 - Methods for Handling****Waste type:** GARBAGE**Waste content description:** Garbage and trash produced during drilling and completion operations.**Amount of waste:** 500 pounds**Waste disposal frequency :** One Time Only**Safe containment description:** Garbage and trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** Trucked to an approved disposal facility.**Waste type:** DRILLING**Waste content description:** Drilling fluids and produced oil land water while drilling and completion operations**Amount of waste:** 6000 barrels**Waste disposal frequency :** One Time Only**Safe containment description:** All drilling waste will be stored safely and disposed of properly

Approval Date: 07/10/2025

Page 13 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** Trucked to an approved disposal facility**Waste type:** SEWAGE**Waste content description:** Human waste and gray water**Amount of waste:** 1000 gallons**Waste disposal frequency :** One Time Only**Safe containment description:** Waste will be properly contained and disposed of properly at a state approved disposal facility.**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** PRIVATE**Disposal type description:****Disposal location description:** Trucked to an approved disposal facility**Reserve Pit****Reserve Pit being used?** NO**Temporary disposal of produced water into reserve pit?** NO**Reserve pit length (ft.)** **Reserve pit width (ft.)****Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)****Is at least 50% of the reserve pit in cut?****Reserve pit liner****Reserve pit liner specifications and installation description****Cuttings Area****Cuttings Area being used?** NO**Are you storing cuttings on location?** Y**Description of cuttings location** Roll off cutting containers on tracks**Cuttings area length (ft.)** **Cuttings area width (ft.)****Cuttings area depth (ft.)** **Cuttings area volume (cu. yd.)****Is at least 50% of the cuttings area in cut?**

Approval Date: 07/10/2025

Page 14 of 23

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

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:** 701H

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](#)**Total pounds/Acre:**

Seed Type	Pounds/Acre
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Approval Date: 07/10/2025

Page 16 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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:**

Approval Date: 07/10/2025

Page 17 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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_Roads_20250414204511.pdf

COG_Tater_Salad_Reclamation_20250414204514.pdf

COG_Tater_Salad_H2S_Schem_20250414204514.pdf

COG_Tater_Salad_Layout_20250414204514.pdf

COG_Tater_Salad_Powerline_20250414204516.pdf

COG_Tater_Salad_Existing_Road_20250414204517.pdf

COG_Tater_Salad_Fresh_H2O_20250414204517.pdf

COG_Tater_Salad_Closed_Loop_20250414204517.pdf

COG_Tater_Salad_Brine_H2O_20250414204518.pdf

COG_Tater_Salad_Flowline_Gas_Line_20250414204519.pdf

COG_Tater_Salad_Fed_24_B_CTB_20250414204520.pdf

COG_Tater_Salad_701H_1_Mile_Data_20250414204520.pdf

COG_Tater_Salad_701H_C102_20250415103717.pdf

PWD

Approval Date: 07/10/2025

Page 18 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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:****Describe 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**

Approval Date: 07/10/2025

Page 19 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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:****Describe 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:** 701H**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:**

Approval Date: 07/10/2025

Page 21 of 23

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**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**

Approval Date: 07/10/2025

Page 22 of 23

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Payment

APD Fee Payment Method: PAY.GOV

pay.gov Tracking ID: 27NA4MGM

CONFIDENTIAL

Approval Date: 07/10/2025

Page 23 of 23

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 30-015- 57147	Pool Code 98220	Pool Name Purple Sage; Wolfcamp, Gas
Property Code 329866	Property Name TATER SALAD FEDERAL COM	Well Number 701H
OGRID No. 229137	Operator Name COG OPERATING LLC	Ground Level Elevation 2913.8'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	26-S	28-E		185 FNL	950 FEL	32.034860°N	104.035265°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 640	Infill or Defining Well Defining	Defining Well API Pending 701H	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	24	26-S	28-E		185 FNL	950 FEL	32.034860°N	104.035265°W	EDDY

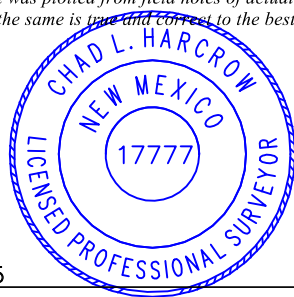
First Take Point (FTP)

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

Last Take Point (LTP)

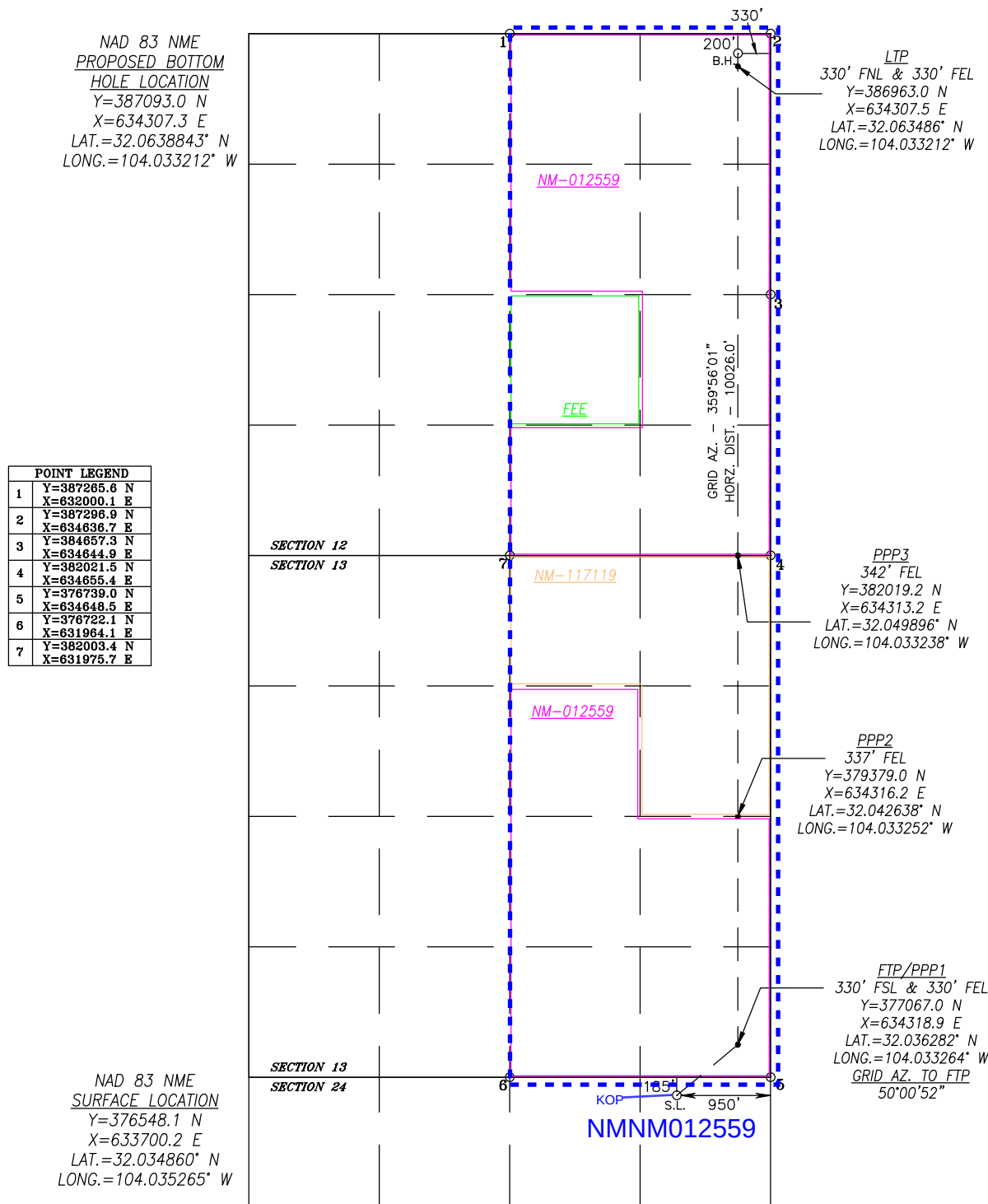
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	12	26-S	28-E		330 FNL	330 FEL	32.063486°N	104.033212°W	EDDY

Unitized Area or Area of Uniform Interest COM	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 2913.8'
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OPERATOR CERTIFICATIONS <i>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.</i> <i>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.</i>		SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
Signature Mayte Reyes	Date 3/27/2025	Signature and Seal of Professional Surveyor  Chad Harcrow 1/8/25	
Printed Name Mayte Reyes	Certificate Number 17777	Date of Survey DECEMBER 23, 2024	
Email Address mayte.x.reyes@conocophillips.com		W.O.#24-1300	DRAWN BY: WN PAGE 1 OF 2

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.



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 701H	30-015-	A-24-26S-28E	185 FNL & 950 FEL	± 996	± 3330	± 3420

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 701H	Pending	8/19/2026	± 25 days from spud	12/17/2026	12/27/26	1/1/27

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

If Operator checks this box, Operator will select one of the following:

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

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

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

Section 4 - Notices

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

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

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

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

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

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

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

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

C. Completion Operations

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

D. Venting and flaring during production operations

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

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

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

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

F. Measurement of vented and flared natural gas.

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

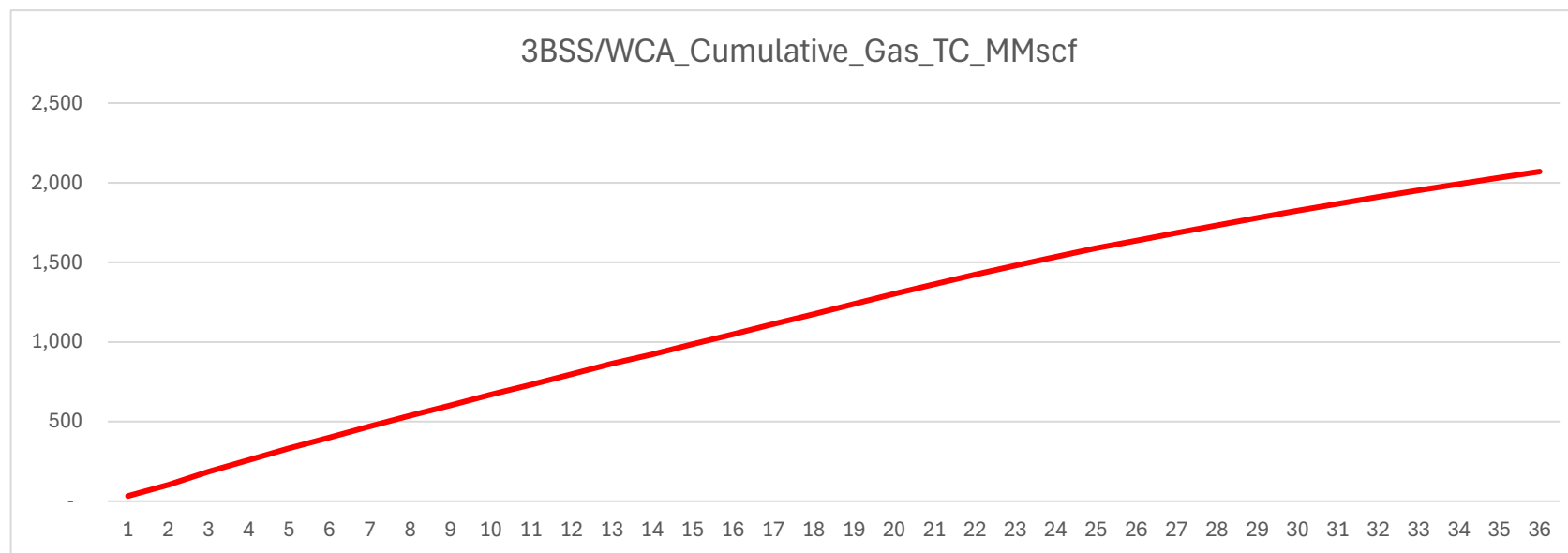
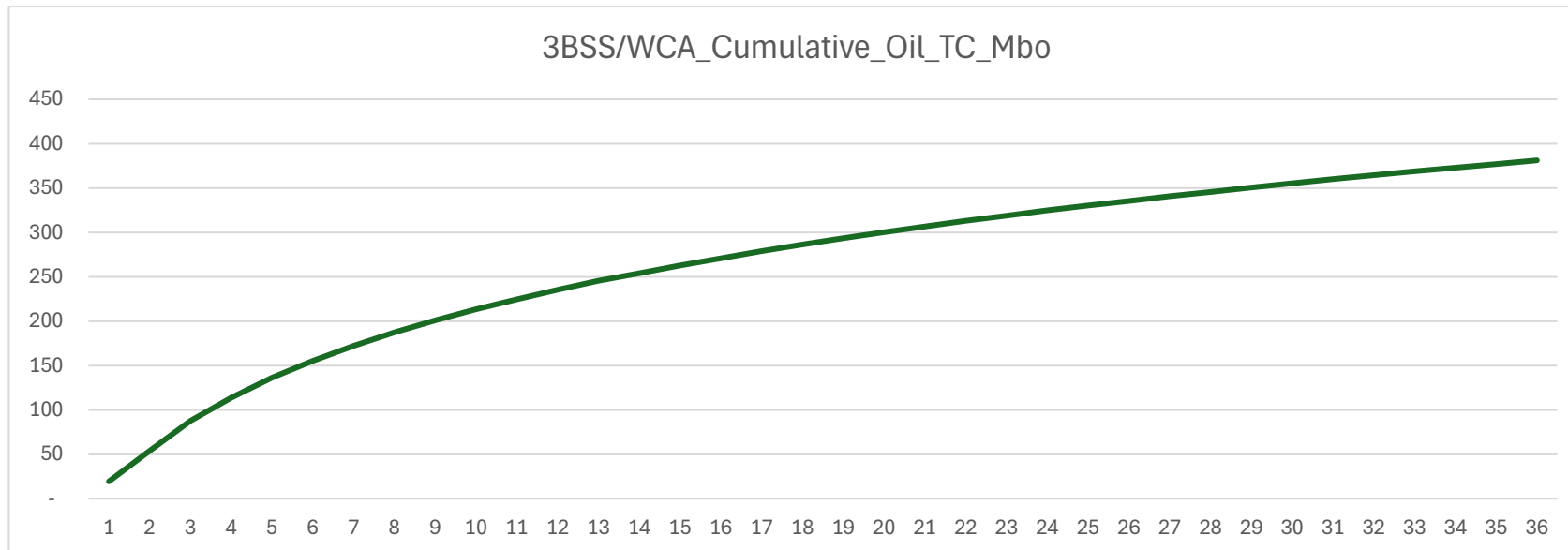
VIII. Best Management Practices

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

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

Signature:	<i>Mayte Reyes</i>
Printed Name:	Mayte Reyes
Title:	Sr. Regulatory Coordinator
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





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

Drilling Plan Data Report

07/21/2025

APD ID: 10400104470

Submission Date: 04/15/2025

Highlighted data
reflects the most
recent changes

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16002097	QUATERNARY	2914	0	0	ALLUVIUM	NONE	N
16002101	RUSTLER	2448	466	466	ALLUVIUM	NONE	N
16002102	TOP SALT	2318	596	596	SALT	NONE	N
16002103	BASE OF SALT	444	2470	2470	ANHYDRITE	NONE	N
16002108	LAMAR	246	2668	2668	LIMESTONE	NONE	N
16002109	BELL CANYON	201	2713	2713	LIMESTONE	NONE	N
16002104	CHERRY CANYON	-640	3554	3554	SANDSTONE	NATURAL GAS, OIL	N
16002110	BRUSHY CANYON	-1901	4815	4815	SANDSTONE	NATURAL GAS, OIL	N
16002105	BONE SPRING	-3467	6381	6381	SHALE	NATURAL GAS, OIL	N
16002106	BONE SPRING 1ST	-4373	7287	7287	SANDSTONE	NATURAL GAS, OIL	N
16002112	BONE SPRING 2ND	-5095	8009	8009	SANDSTONE	NATURAL GAS, OIL	N
16002100	BONE SPRING 3RD	-6233	9147	9147	SANDSTONE	NATURAL GAS, OIL	N
16002111	WOLFCAMP	-6585	9499	9499	SHALE	NATURAL GAS, OIL	Y
16002116		-6991	9904	9904	SILTSTONE	NATURAL GAS, OIL	N
16002118		-7522	10435	10435	SILTSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H**Pressure Rating (PSI):** 10M**Rating Depth:** 9630

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

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to choke manifold. See attached for specs and hydrostatic test chart. A variance is requested for use of a multi-bowl wellhead. A variance is requested to allow for break testing during batch drilling.

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

Choke Diagram Attachment:

COG_Tater_Salad_10M_Choke_20250414150930.pdf

BOP Diagram Attachment:

COG_Tater_Salad_10M_BOP_20250414150951.pdf

COG_Tater_Salad_Flex_Hose_Variance_20250414150952.pdf

Pressure Rating (PSI): 5M**Rating Depth:** 9100

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: 701H

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	9100	0	9100	-6907	-6186	9100	OTHER - P110-ICY	29.7	OTHER - W513	1.56	1.91	DRY	2.37	DRY	3.95
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	19908	0	9630	-6907	-6716	19908	OTHER - P110-CY	23	OTHER - W441	2.15	2.51	DRY	2.99	DRY	3.29

Casing Attachments

Casing ID: 1

String

SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212134.pdf

Operator Name: COG OPERATING LLC

Well Name: TATER SALAD FEDERAL COM

Well Number: 701H

Casing Attachments

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_701H_Casing_Program_20250414212227.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212311.pdf

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

COG_Tater_Salad_701H_Casing_Program_20250414212414.pdf

Casing Design Assumptions and Worksheet(s):

COG_Tater_Salad_701H_Casing_Program_20250414212452.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	9100	700	3.3	10.3	2310	50	Halliburton tunded light	No additives
INTERMEDIATE	Tail		0	9100	250	1.35	14.8	337	50	Class H	No additives
PRODUCTION	Lead		9630	19908	560	1.48	12.5	828	20	Lead: 50:50:10 H Blend	No additives

Operator Name: COG OPERATING LLC**Well Name:** TATER SALAD FEDERAL COM**Well Number:** 701H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		9630	1990 8	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	9100	OTHER : Brine Diesel Emulsion	8.4	10							Brine Diesel Emulsion
9100	1990 8	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:** 701H

Section 6 - Test, Logging, Coring

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

None planned

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

COMPENSATED NEUTRON LOG,GAMMA RAY LOG,

Coring operation description for the well:

None planned

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6765**Anticipated Surface Pressure:** 4636**Anticipated Bottom Hole Temperature(F):** 155**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO**Describe:****Contingency Plans geohazards 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_701H_Directional_Plan_20250414213635.pdf

COG_Tater_Salad_701H_AC_Report_20250414213635.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: 701H

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_701H_Cement_Program_20250414213721.pdf

COG_Tater_Salad_701H_Casing_Program_20250414213719.pdf

COG_Tater_Salad_701H_Drilling_Program_20250414213719.pdf

COG_Tater_Salad_701H_GCP_20250414214345.pdf

Other Variance request(s)?: N

Other Variance attachment:

CONFIDENTIAL

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)

TATER SALAD & MOMBA FEDERAL

TATER SALAD FEDERAL COM 701H

300154774500

OWB

PWP1

Anticollision Report

19 February, 2025

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 25.0usft	Error Model:	ISCWSA
Depth Range:	0.0 to 19,877.3usft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	2/19/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cor
2,000.0	9,179.3	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
9,179.3	19,877.3	PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
TATER SALAD & MOMBA FEDERAL						
MOMBA 24 FEDERAL COM #1H - OWB - AWP	25.0	10.3	476.4			
MOMBA 24 FEDERAL COM #1H - OWB - AWP	6,625.0	6,545.7	893.2	867.9	35.320 SF	
MOMBA FEDERAL COM #701H - OWB - AWP	9,600.0	9,655.3	283.1	249.7	8.469 ES, SF	
MOMBA FEDERAL COM #701H - OWB - AWP	9,602.1	9,655.2	283.1	249.7	8.472 CC	
MOMBA FEDERAL COM #702H - OWB - AWP	1,301.5	1,290.7	758.8	752.1	113.069 CC	
MOMBA FEDERAL COM #702H - OWB - AWP	2,426.1	2,484.3	758.9	750.0	85.162 ES	
MOMBA FEDERAL COM #702H - OWB - AWP	9,575.0	9,758.2	908.3	875.7	27.861 SF	
MOMBA FEDERAL COM #703H - OWB - AWP	693.4	681.6	779.0	773.3	135.782 CC	
MOMBA FEDERAL COM #703H - OWB - AWP	700.0	686.8	779.0	773.2	135.527 ES	
MOMBA FEDERAL COM #703H - OWB - AWP	3,700.0	3,661.5	996.5	982.5	70.965 SF	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,034.9	9,659.8	548.9	515.3	16.327 CC, ES	
MOMBA FEDERAL COM #901H - OWB - PWP1	10,075.0	9,660.1	550.3	516.4	16.220 SF	
MOMBA FEDERAL COM #902H - OWB - PWP2	2,000.0	1,985.4	904.4	896.2	109.475 CC	
MOMBA FEDERAL COM #902H - OWB - PWP2	2,025.0	2,010.4	904.5	896.2	108.779 ES	
MOMBA FEDERAL COM #902H - OWB - PWP2	10,350.0	9,660.0	965.4	931.7	28.606 SF	
MOMBA FEDERAL COM #903H - OWB - PWP2	2,000.0	1,985.0	923.5	915.3	112.187 CC, ES	
MOMBA FEDERAL COM #903H - OWB - PWP2	2,975.0	2,948.1	998.6	987.7	91.262 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,000.0	2,000.0	20.0	10.8	2.178 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,050.0	2,050.0	20.1	10.7	2.150 Caution - Monitor Closely, ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP1	2,075.0	2,075.0	20.2	10.8	2.145 Caution - Monitor Closely, SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	2,043.6	2,043.7	40.0	30.7	4.308 CC	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	2,075.0	2,075.2	40.0	30.7	4.278 ES	
TATER SALAD FEDERAL COM 703H - OWB - PWP1	2,125.0	2,125.1	40.3	30.8	4.249 SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,500.0	1,500.0	59.9	52.2	7.740 CC	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,525.0	1,524.9	59.9	52.1	7.674 ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP1	1,700.0	1,698.6	62.0	53.7	7.413 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP1	9,179.3	9,202.3	98.0	69.3	3.417 CC, ES, SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,000.0	1,999.0	208.8	200.6	25.679 CC	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	2,025.0	2,024.9	208.8	200.6	25.444 ES	
TATER SALAD FEDERAL COM 902H - OWB - PWP1	9,200.0	9,161.9	512.0	474.5	13.669 SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	2,000.0	1,999.1	200.0	192.0	24.926 CC, ES	
TATER SALAD FEDERAL COM 903H - OWB - PWP1	2,225.0	2,211.1	215.4	206.3	23.652 SF	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,000.0	1,999.0	201.0	193.0	25.010 CC, ES	
TATER SALAD FEDERAL COM 904H - OWB - PWP1	2,225.0	2,208.6	217.7	208.5	23.693 SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,000.0	1,999.0	203.9	195.8	25.253 CC, ES	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 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	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
TATER SALAD & MOMBA FEDERAL						
TATER SALAD FEDERAL COM 905H - OWB - PWP1	2,225.0	2,208.2	220.7	211.5	23.919 SF	

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM #1H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 100-Standard Keeper 104, 6533-r.5 MWD													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	3.0	-175.61	-475.0	-36.5	476.6					
25.0	25.0	10.3	10.3	0.5	3.0	-175.61	-475.0	-36.5	476.4					
50.0	50.0	33.7	33.7	0.5	3.0	-175.60	-475.1	-36.5	476.5	471.8	4.73	100.833		
75.0	75.0	57.0	57.0	0.5	3.0	-175.60	-475.2	-36.6	476.7	471.9	4.73	100.866		
100.0	100.0	80.4	80.4	0.5	3.0	-175.59	-475.5	-36.7	476.9	472.2	4.73	100.917		
125.0	125.0	104.1	104.1	0.6	3.0	-175.58	-475.8	-36.8	477.2	472.5	4.76	100.267		
150.0	150.0	129.1	129.1	0.8	3.0	-175.57	-476.1	-36.9	477.6	472.8	4.80	99.470		
175.0	175.0	154.2	154.2	0.9	3.0	-175.56	-476.5	-37.0	478.0	473.1	4.85	98.539		
200.0	200.0	179.2	179.2	1.0	3.0	-175.54	-476.8	-37.2	478.3	473.4	4.91	97.485		
225.0	225.0	204.2	204.2	1.1	3.0	-175.52	-477.2	-37.3	478.7	473.7	4.95	96.732		
250.0	250.0	228.9	228.8	1.2	3.0	-175.51	-477.5	-37.5	479.0	474.0	4.99	95.934		
275.0	275.0	253.5	253.5	1.3	3.0	-175.50	-477.9	-37.6	479.4	474.4	5.04	95.097		
300.0	300.0	278.1	278.1	1.4	3.0	-175.49	-478.3	-37.7	479.8	474.7	5.09	94.226		
325.0	325.0	302.7	302.7	1.4	3.0	-175.48	-478.7	-37.8	480.2	475.1	5.14	93.491		
350.0	350.0	327.2	327.2	1.5	3.0	-175.48	-479.1	-37.9	480.7	475.5	5.18	92.738		
375.0	375.0	351.8	351.7	1.6	3.0	-175.49	-479.6	-37.9	481.2	475.9	5.23	91.969		
400.0	400.0	376.3	376.2	1.6	3.0	-175.50	-480.1	-37.8	481.6	476.4	5.28	91.187		
425.0	425.0	400.0	400.0	1.7	3.0	-175.52	-480.6	-37.6	482.2	476.8	5.33	90.498		
450.0	450.0	424.7	424.6	1.8	3.0	-175.55	-481.1	-37.4	482.7	477.4	5.38	89.805		
475.0	475.0	448.6	448.5	1.8	3.0	-175.59	-481.8	-37.1	483.3	477.9	5.42	89.117		
500.0	500.0	472.5	472.4	1.9	3.0	-175.64	-482.4	-36.8	484.0	478.5	5.47	88.431		
525.0	525.0	496.4	496.3	1.9	3.0	-175.70	-483.2	-36.3	484.8	479.2	5.52	87.814		
550.0	550.0	521.1	520.9	2.0	3.1	-175.77	-484.0	-35.8	485.5	480.0	5.57	87.198		
575.0	575.0	545.9	545.7	2.1	3.1	-175.84	-484.8	-35.3	486.3	480.7	5.62	86.577		
600.0	600.0	570.7	570.5	2.1	3.1	-175.91	-485.6	-34.7	487.1	481.4	5.67	85.953		
625.0	625.0	595.5	595.3	2.2	3.1	-175.98	-486.4	-34.2	487.9	482.2	5.71	85.374		
650.0	650.0	621.3	621.1	2.2	3.1	-176.06	-487.3	-33.6	488.7	482.9	5.76	84.787		
675.0	675.0	647.2	647.0	2.3	3.1	-176.13	-488.1	-33.0	489.4	483.6	5.81	84.188		
700.0	700.0	673.2	673.0	2.3	3.1	-176.21	-488.9	-32.4	490.1	484.2	5.86	83.581		
725.0	725.0	699.2	699.0	2.4	3.1	-176.29	-489.6	-31.7	490.7	484.8	5.91	83.004		
750.0	750.0	723.5	723.2	2.4	3.1	-176.36	-490.2	-31.2	491.4	485.4	5.96	82.433		
775.0	775.0	747.7	747.4	2.5	3.1	-176.44	-490.9	-30.6	492.0	486.0	6.01	81.871		
800.0	800.0	771.9	771.6	2.5	3.1	-176.51	-491.6	-30.0	492.7	486.7	6.06	81.315		
825.0	825.0	796.2	795.8	2.6	3.1	-176.58	-492.4	-29.4	493.5	487.4	6.11	80.795		
850.0	850.0	820.5	820.2	2.6	3.1	-176.65	-493.2	-28.9	494.3	488.1	6.16	80.273		
875.0	875.0	844.9	844.6	2.6	3.1	-176.72	-494.0	-28.3	495.1	488.9	6.21	79.757		
900.0	900.0	869.3	869.0	2.7	3.2	-176.78	-494.9	-27.8	495.9	489.7	6.26	79.246		
925.0	925.0	893.7	893.4	2.7	3.2	-176.85	-495.7	-27.3	496.8	490.5	6.31	78.763		
950.0	950.0	919.0	918.6	2.8	3.2	-176.91	-496.7	-26.8	497.7	491.3	6.36	78.273		
975.0	975.0	944.6	944.2	2.8	3.2	-176.96	-497.6	-26.4	498.6	492.1	6.41	77.778		
1,000.0	1,000.0	970.2	969.8	2.9	3.2	-177.02	-498.4	-25.9	499.4	492.9	6.46	77.279		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,025.0	1,025.0	995.9	995.4	2.9	3.2	-177.08	-499.3	-25.5	500.2	493.7	6.51	76.795	
1,050.0	1,050.0	1,021.4	1,020.9	3.0	3.2	-177.13	-500.1	-25.1	500.9	494.4	6.56	76.309	
1,075.0	1,075.0	1,046.9	1,046.4	3.0	3.2	-177.18	-500.9	-24.7	501.7	495.1	6.62	75.821	
1,100.0	1,100.0	1,072.4	1,071.9	3.0	3.2	-177.22	-501.6	-24.3	502.4	495.7	6.67	75.332	
1,125.0	1,125.0	1,098.0	1,097.4	3.1	3.3	-177.27	-502.3	-23.9	503.1	496.4	6.72	74.856	
1,150.0	1,150.0	1,123.0	1,122.5	3.1	3.3	-177.32	-503.0	-23.6	503.8	497.0	6.77	74.384	
1,175.0	1,175.0	1,148.1	1,147.5	3.2	3.3	-177.36	-503.7	-23.2	504.4	497.6	6.82	73.915	
1,200.0	1,200.0	1,173.1	1,172.5	3.2	3.3	-177.40	-504.4	-22.9	505.1	498.2	6.88	73.448	
1,225.0	1,225.0	1,198.1	1,197.5	3.2	3.3	-177.45	-505.1	-22.5	505.8	498.8	6.93	72.996	
1,250.0	1,250.0	1,223.9	1,223.3	3.3	3.3	-177.49	-505.8	-22.2	506.4	499.4	6.98	72.537	
1,275.0	1,275.0	1,249.8	1,249.2	3.3	3.3	-177.53	-506.4	-21.9	507.0	500.0	7.03	72.076	
1,300.0	1,300.0	1,275.6	1,275.0	3.4	3.4	-177.56	-507.0	-21.6	507.6	500.5	7.09	71.611	
1,325.0	1,325.0	1,301.5	1,300.9	3.4	3.4	-177.59	-507.5	-21.3	508.1	501.0	7.14	71.154	
1,350.0	1,350.0	1,326.5	1,325.9	3.4	3.4	-177.62	-508.1	-21.1	508.6	501.4	7.19	70.702	
1,375.0	1,375.0	1,351.6	1,351.0	3.5	3.4	-177.65	-508.6	-20.9	509.1	501.8	7.25	70.253	
1,400.0	1,400.0	1,376.6	1,376.0	3.5	3.4	-177.68	-509.1	-20.6	509.6	502.3	7.30	69.807	
1,425.0	1,425.0	1,401.8	1,401.2	3.6	3.4	-177.71	-509.6	-20.4	510.1	502.7	7.35	69.373	
1,450.0	1,450.0	1,428.0	1,427.4	3.6	3.4	-177.74	-510.0	-20.1	510.5	503.1	7.40	68.944	
1,475.0	1,475.0	1,454.3	1,453.6	3.6	3.5	-177.77	-510.5	-19.8	510.9	503.5	7.46	68.510	
1,500.0	1,500.0	1,480.6	1,479.9	3.7	3.5	-177.81	-510.8	-19.5	511.2	503.7	7.51	68.071	
1,525.0	1,525.0	1,506.5	1,505.8	3.7	3.5	-177.85	-511.1	-19.2	511.5	503.9	7.56	67.640	
1,550.0	1,550.0	1,531.5	1,530.9	3.8	3.5	-177.89	-511.4	-18.9	511.8	504.1	7.61	67.219	
1,575.0	1,575.0	1,556.6	1,555.9	3.8	3.5	-177.92	-511.6	-18.6	512.0	504.3	7.66	66.802	
1,600.0	1,600.0	1,581.6	1,581.0	3.8	3.5	-177.95	-511.9	-18.3	512.3	504.5	7.72	66.389	
1,625.0	1,625.0	1,606.6	1,606.0	3.9	3.6	-177.98	-512.2	-18.1	512.5	504.7	7.77	65.983	
1,650.0	1,650.0	1,631.5	1,630.9	3.9	3.6	-178.00	-512.4	-17.9	512.7	504.9	7.82	65.576	
1,675.0	1,675.0	1,656.4	1,655.7	3.9	3.6	-178.03	-512.7	-17.6	513.0	505.1	7.87	65.173	
1,700.0	1,700.0	1,681.3	1,680.6	4.0	3.6	-178.05	-512.9	-17.4	513.3	505.3	7.92	64.775	
1,725.0	1,725.0	1,706.2	1,705.5	4.0	3.6	-178.08	-513.2	-17.2	513.5	505.5	7.98	64.383	
1,750.0	1,750.0	1,730.9	1,730.2	4.1	3.6	-178.10	-513.5	-17.0	513.8	505.8	8.03	63.990	
1,775.0	1,775.0	1,755.6	1,754.9	4.1	3.7	-178.12	-513.8	-16.9	514.1	506.0	8.08	63.603	
1,800.0	1,800.0	1,780.2	1,779.6	4.1	3.7	-178.13	-514.1	-16.8	514.4	506.3	8.14	63.221	
1,825.0	1,825.0	1,805.0	1,804.3	4.2	3.7	-178.14	-514.4	-16.7	514.7	506.5	8.19	62.848	
1,850.0	1,850.0	1,829.8	1,829.1	4.2	3.7	-178.16	-514.7	-16.6	515.0	506.8	8.24	62.472	
1,875.0	1,875.0	1,854.5	1,853.9	4.2	3.7	-178.17	-515.1	-16.5	515.4	507.1	8.30	62.101	
1,900.0	1,900.0	1,879.3	1,878.6	4.3	3.8	-178.18	-515.4	-16.4	515.7	507.4	8.35	61.735	
1,925.0	1,925.0	1,904.3	1,903.6	4.3	3.8	-178.19	-515.8	-16.3	516.1	507.7	8.41	61.381	
1,950.0	1,950.0	1,929.8	1,929.1	4.3	3.8	-178.21	-516.2	-16.2	516.5	508.0	8.46	61.045	
1,975.0	1,975.0	1,955.4	1,954.7	4.4	3.8	-178.25	-516.5	-15.8	516.8	508.3	8.51	60.708	
2,000.0	2,000.0	1,980.9	1,980.2	4.4	3.8	-178.30	-516.8	-15.3	517.1	508.5	8.56	60.371	
2,025.0	2,025.0	2,006.4	2,005.6	4.4	3.9	102.55	-517.1	-14.7	517.4	508.7	8.61	60.095	
2,050.0	2,050.0	2,031.4	2,030.7	4.5	3.9	102.49	-517.4	-13.9	517.7	509.0	8.65	59.850	
2,075.0	2,075.0	2,056.5	2,055.8	4.5	3.9	102.45	-517.7	-13.0	518.1	509.4	8.69	59.611	
2,100.0	2,100.0	2,081.6	2,080.8	4.5	3.9	102.41	-517.9	-12.0	518.5	509.7	8.73	59.378	
2,125.0	2,125.0	2,106.4	2,105.6	4.6	3.9	102.38	-518.2	-10.9	518.9	510.1	8.79	59.065	
2,150.0	2,149.9	2,130.4	2,129.6	4.6	3.9	102.38	-518.5	-9.8	519.5	510.6	8.84	58.766	
2,175.0	2,174.9	2,154.4	2,153.6	4.7	4.0	102.39	-518.9	-8.8	520.1	511.2	8.89	58.482	
2,200.0	2,199.8	2,178.4	2,177.6	4.7	4.0	102.43	-519.2	-7.7	520.8	511.9	8.95	58.211	
2,225.0	2,224.8	2,202.5	2,201.6	4.7	4.0	102.48	-519.7	-6.6	521.7	512.7	9.00	57.958	
2,250.0	2,249.7	2,227.3	2,226.4	4.8	4.0	102.56	-520.1	-5.5	522.5	513.5	9.05	57.710	
2,275.0	2,274.6	2,252.1	2,251.1	4.8	4.0	102.64	-520.6	-4.2	523.5	514.4	9.11	57.471	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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													Offset Well Error: 3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,300.0	2,299.5	2,276.9	2,275.9	4.9	4.0	102.73	-521.1	-2.8	524.5	515.3	9.16	57.240	
2,325.0	2,324.3	2,301.7	2,300.6	4.9	4.1	102.83	-521.6	-1.3	525.6	516.4	9.22	57.019	
2,350.0	2,349.1	2,326.4	2,325.3	5.0	4.1	102.95	-522.2	0.3	526.7	517.4	9.27	56.810	
2,375.0	2,373.9	2,351.2	2,350.0	5.1	4.1	103.07	-522.7	1.9	527.9	518.6	9.33	56.608	
2,400.0	2,398.7	2,375.9	2,374.7	5.1	4.1	103.21	-523.2	3.7	529.1	519.8	9.38	56.415	
2,425.0	2,423.4	2,400.7	2,399.4	5.2	4.1	103.36	-523.8	5.5	530.4	521.0	9.43	56.226	
2,450.0	2,448.2	2,426.6	2,425.2	5.3	4.1	103.54	-524.3	7.4	531.8	522.3	9.49	56.042	
2,475.0	2,472.8	2,452.5	2,451.1	5.4	4.2	103.75	-524.8	9.3	533.1	523.6	9.54	55.860	
2,500.0	2,497.5	2,478.4	2,476.9	5.4	4.2	103.99	-525.3	11.1	534.5	524.9	9.60	55.681	
2,525.0	2,522.1	2,504.1	2,502.5	5.5	4.2	104.25	-525.7	12.8	535.9	526.3	9.64	55.576	
2,550.0	2,546.6	2,529.2	2,527.6	5.6	4.2	104.54	-526.0	14.4	537.3	527.6	9.69	55.479	
2,575.0	2,571.2	2,554.3	2,552.6	5.7	4.2	104.85	-526.4	15.9	538.8	529.1	9.73	55.387	
2,600.0	2,595.6	2,579.3	2,577.5	5.7	4.3	105.21	-526.7	17.3	540.3	530.6	9.75	55.393	
2,625.0	2,620.1	2,604.3	2,602.5	5.8	4.3	105.58	-527.0	18.7	541.9	532.1	9.81	55.212	
2,650.0	2,644.6	2,629.6	2,627.7	5.9	4.3	105.96	-527.3	19.9	543.4	533.5	9.87	55.033	
2,675.0	2,669.1	2,654.8	2,653.0	5.9	4.3	106.35	-527.5	21.1	544.9	535.0	9.93	54.854	
2,700.0	2,693.6	2,680.0	2,678.1	6.0	4.3	106.74	-527.7	22.1	546.5	536.5	9.99	54.675	
2,725.0	2,718.1	2,705.1	2,703.2	6.1	4.4	107.15	-527.8	23.1	548.0	538.0	10.05	54.504	
2,750.0	2,742.6	2,729.7	2,727.8	6.2	4.4	107.54	-528.0	24.0	549.6	539.4	10.11	54.337	
2,775.0	2,767.1	2,754.3	2,752.4	6.3	4.4	107.94	-528.1	24.8	551.1	541.0	10.17	54.172	
2,800.0	2,791.6	2,779.0	2,777.0	6.4	4.4	108.33	-528.3	25.7	552.8	542.5	10.23	54.008	
2,825.0	2,816.1	2,803.6	2,801.7	6.4	4.4	108.73	-528.4	26.6	554.4	544.1	10.30	53.840	
2,850.0	2,840.6	2,828.6	2,826.7	6.5	4.4	109.13	-528.6	27.4	556.1	545.7	10.36	53.673	
2,875.0	2,865.1	2,853.6	2,851.6	6.6	4.5	109.53	-528.7	28.2	557.7	547.3	10.42	53.506	
2,900.0	2,889.6	2,878.6	2,876.6	6.7	4.5	109.94	-528.8	29.0	559.4	548.9	10.49	53.338	
2,925.0	2,914.1	2,903.5	2,901.5	6.8	4.5	110.34	-528.8	29.7	561.1	550.5	10.55	53.165	
2,950.0	2,938.6	2,928.2	2,926.2	6.9	4.5	110.74	-528.9	30.4	562.8	552.2	10.62	52.994	
2,975.0	2,963.1	2,952.9	2,950.9	7.0	4.5	111.14	-528.9	31.1	564.5	553.9	10.69	52.824	
3,000.0	2,987.6	2,977.6	2,975.6	7.1	4.6	111.54	-529.0	31.7	566.3	555.5	10.75	52.655	
3,025.0	3,012.1	3,002.3	3,000.2	7.2	4.6	111.94	-529.0	32.4	568.1	557.3	10.82	52.481	
3,050.0	3,036.6	3,026.8	3,024.7	7.2	4.6	112.33	-529.1	33.0	569.9	559.0	10.90	52.307	
3,075.0	3,061.1	3,051.2	3,049.2	7.3	4.6	112.73	-529.1	33.7	571.8	560.8	10.97	52.135	
3,100.0	3,085.6	3,075.7	3,073.7	7.4	4.6	113.12	-529.1	34.2	573.6	562.6	11.04	51.963	
3,125.0	3,110.1	3,100.2	3,098.1	7.5	4.7	113.51	-529.2	34.8	575.6	564.4	11.11	51.788	
3,150.0	3,134.6	3,125.2	3,123.1	7.6	4.7	113.92	-529.2	35.3	577.5	566.3	11.19	51.612	
3,175.0	3,159.1	3,150.2	3,148.1	7.7	4.7	114.32	-529.2	35.9	579.5	568.2	11.27	51.436	
3,200.0	3,183.6	3,175.1	3,173.1	7.8	4.7	114.72	-529.2	36.4	581.4	570.1	11.34	51.257	
3,225.0	3,208.1	3,200.1	3,198.0	7.9	4.7	115.12	-529.2	36.9	583.4	572.0	11.42	51.073	
3,250.0	3,232.6	3,224.4	3,222.3	8.0	4.8	115.51	-529.1	37.3	585.4	573.9	11.50	50.893	
3,275.0	3,257.1	3,248.6	3,246.5	8.1	4.8	115.89	-529.1	37.8	587.4	575.9	11.58	50.714	
3,300.0	3,281.6	3,272.9	3,270.8	8.2	4.8	116.28	-529.1	38.2	589.5	577.9	11.67	50.536	
3,325.0	3,306.1	3,297.1	3,295.0	8.3	4.8	116.66	-529.0	38.6	591.6	579.9	11.75	50.355	
3,350.0	3,330.6	3,321.5	3,319.4	8.4	4.8	117.05	-529.0	39.0	593.8	582.0	11.84	50.173	
3,375.0	3,355.1	3,345.9	3,343.8	8.5	4.9	117.43	-529.0	39.4	596.0	584.1	11.92	49.990	
3,400.0	3,379.6	3,370.4	3,368.2	8.6	4.9	117.81	-529.0	39.7	598.2	586.2	12.01	49.809	
3,425.0	3,404.1	3,394.8	3,392.7	8.7	4.9	118.19	-529.0	40.1	600.5	588.4	12.10	49.625	
3,450.0	3,428.6	3,419.1	3,417.0	8.8	4.9	118.57	-529.1	40.5	602.8	590.6	12.19	49.440	
3,475.0	3,453.1	3,443.5	3,441.3	8.9	4.9	118.94	-529.1	40.9	605.2	592.9	12.29	49.256	
3,500.0	3,477.6	3,467.8	3,465.7	9.0	5.0	119.31	-529.1	41.2	607.5	595.1	12.38	49.073	
3,525.0	3,502.1	3,492.1	3,490.0	9.1	5.0	119.68	-529.1	41.5	609.9	597.5	12.48	48.888	
3,550.0	3,526.6	3,516.4	3,514.2	9.2	5.0	120.05	-529.1	41.8	612.4	599.8	12.57	48.703	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
3,575.0	3,551.1	3,540.6	3,538.5	9.3	5.0	120.42	-529.2	42.0	614.9	602.2	12.67	48.518	
3,600.0	3,575.6	3,564.8	3,562.7	9.4	5.1	120.79	-529.2	42.2	617.4	604.6	12.77	48.335	
3,625.0	3,600.1	3,589.0	3,586.9	9.5	5.1	121.16	-529.2	42.4	620.0	607.1	12.88	48.151	
3,650.0	3,624.6	3,613.3	3,611.2	9.6	5.1	121.53	-529.2	42.6	622.6	609.6	12.98	47.965	
3,675.0	3,649.1	3,637.7	3,635.6	9.7	5.1	121.90	-529.3	42.7	625.2	612.1	13.08	47.780	
3,700.0	3,673.6	3,662.1	3,659.9	9.9	5.2	122.26	-529.3	42.9	627.9	614.7	13.19	47.596	
3,725.0	3,698.1	3,686.5	3,684.3	10.0	5.2	122.62	-529.4	43.1	630.6	617.3	13.30	47.411	
3,750.0	3,722.6	3,710.8	3,708.6	10.1	5.2	122.98	-529.4	43.2	633.3	619.9	13.41	47.226	
3,775.0	3,747.1	3,735.0	3,732.8	10.2	5.2	123.33	-529.5	43.4	636.1	622.5	13.52	47.042	
3,800.0	3,771.6	3,759.2	3,757.0	10.3	5.3	123.68	-529.6	43.5	638.9	625.2	13.63	46.860	
3,825.0	3,796.1	3,783.4	3,781.2	10.4	5.3	124.02	-529.7	43.7	641.7	628.0	13.75	46.679	
3,850.0	3,820.5	3,807.7	3,805.6	10.5	5.3	124.37	-529.8	43.8	644.6	630.7	13.86	46.498	
3,875.0	3,845.0	3,832.5	3,830.3	10.6	5.3	124.72	-529.9	43.9	647.5	633.5	13.98	46.315	
3,900.0	3,869.5	3,857.2	3,855.0	10.7	5.4	125.06	-529.9	44.1	650.4	636.3	14.10	46.132	
3,925.0	3,894.0	3,881.9	3,879.7	10.8	5.4	125.41	-530.0	44.2	653.3	639.1	14.22	45.949	
3,950.0	3,918.5	3,906.5	3,904.3	10.9	5.4	125.75	-530.1	44.3	656.3	641.9	14.34	45.767	
3,975.0	3,943.0	3,930.8	3,928.6	11.0	5.4	126.08	-530.1	44.4	659.2	644.8	14.46	45.588	
4,000.0	3,967.5	3,955.1	3,953.0	11.1	5.5	126.42	-530.2	44.5	662.2	647.7	14.58	45.411	
4,025.0	3,992.0	3,979.4	3,977.3	11.2	5.5	126.75	-530.3	44.6	665.3	650.6	14.71	45.235	
4,050.0	4,016.5	4,003.6	4,001.5	11.4	5.5	127.07	-530.3	44.6	668.3	653.5	14.83	45.060	
4,075.0	4,041.0	4,027.5	4,025.3	11.5	5.5	127.39	-530.4	44.7	671.5	656.5	14.96	44.889	
4,100.0	4,065.5	4,051.3	4,049.1	11.6	5.6	127.70	-530.5	44.8	674.6	659.5	15.08	44.722	
4,125.0	4,090.0	4,075.1	4,072.9	11.7	5.6	128.01	-530.7	44.8	677.8	662.6	15.21	44.556	
4,150.0	4,114.5	4,100.0	4,097.9	11.8	5.6	128.34	-530.8	44.9	681.1	665.7	15.34	44.387	
4,175.0	4,139.0	4,123.0	4,120.9	11.9	5.6	128.63	-531.0	44.9	684.3	668.9	15.47	44.231	
4,200.0	4,163.5	4,147.2	4,145.1	12.0	5.7	128.94	-531.2	44.9	687.7	672.1	15.60	44.070	
4,225.0	4,188.0	4,171.4	4,169.3	12.1	5.7	129.24	-531.4	44.9	691.0	675.3	15.74	43.911	
4,250.0	4,212.5	4,195.6	4,193.4	12.2	5.7	129.55	-531.6	44.9	694.4	678.5	15.87	43.754	
4,275.0	4,237.0	4,220.1	4,218.0	12.3	5.7	129.85	-531.8	45.0	697.8	681.8	16.01	43.596	
4,300.0	4,261.5	4,244.7	4,242.6	12.4	5.7	130.15	-532.0	45.0	701.2	685.1	16.14	43.440	
4,325.0	4,286.0	4,269.3	4,267.2	12.6	5.8	130.45	-532.2	45.0	704.6	688.4	16.28	43.284	
4,350.0	4,310.5	4,294.0	4,291.8	12.7	5.8	130.74	-532.4	45.0	708.1	691.7	16.42	43.130	
4,375.0	4,335.0	4,318.1	4,315.9	12.8	5.8	131.03	-532.7	45.1	711.6	695.0	16.56	42.982	
4,400.0	4,359.5	4,342.0	4,339.9	12.9	5.8	131.31	-532.9	45.1	715.1	698.4	16.69	42.837	
4,425.0	4,384.0	4,366.0	4,363.8	13.0	5.9	131.59	-533.1	45.1	718.6	701.8	16.83	42.695	
4,450.0	4,408.5	4,389.9	4,387.8	13.1	5.9	131.87	-533.4	45.1	722.2	705.2	16.97	42.556	
4,475.0	4,433.0	4,414.4	4,412.2	13.2	5.9	132.15	-533.6	45.0	725.8	708.7	17.11	42.415	
4,500.0	4,457.5	4,439.2	4,437.0	13.3	5.9	132.43	-533.9	45.0	729.4	712.2	17.26	42.272	
4,525.0	4,482.0	4,464.0	4,461.9	13.4	5.9	132.71	-534.1	45.0	733.1	715.7	17.40	42.130	
4,550.0	4,506.5	4,488.9	4,486.7	13.6	6.0	132.98	-534.4	45.0	736.7	719.1	17.54	41.990	
4,575.0	4,531.0	4,513.7	4,511.5	13.7	6.0	133.25	-534.6	45.0	740.3	722.6	17.69	41.851	
4,600.0	4,555.5	4,538.5	4,536.3	13.8	6.0	133.52	-534.8	45.1	744.0	726.1	17.83	41.714	
4,625.0	4,580.0	4,563.3	4,561.2	13.9	6.0	133.79	-535.0	45.1	747.6	729.6	17.98	41.578	
4,650.0	4,604.5	4,588.1	4,586.0	14.0	6.1	134.05	-535.3	45.2	751.2	733.1	18.13	41.443	
4,675.0	4,629.0	4,613.1	4,610.9	14.1	6.1	134.31	-535.5	45.2	754.9	736.6	18.27	41.309	
4,700.0	4,653.5	4,638.1	4,636.0	14.2	6.1	134.57	-535.7	45.3	758.5	740.1	18.42	41.176	
4,725.0	4,678.0	4,663.2	4,661.0	14.3	6.1	134.83	-535.9	45.4	762.2	743.6	18.57	41.044	
4,750.0	4,702.5	4,688.3	4,686.1	14.5	6.2	135.07	-536.1	45.6	765.8	747.1	18.72	40.913	
4,775.0	4,727.0	4,712.7	4,710.5	14.6	6.2	135.31	-536.3	45.8	769.5	750.6	18.87	40.789	
4,800.0	4,751.5	4,736.4	4,734.2	14.7	6.2	135.54	-536.6	46.0	773.2	754.2	19.01	40.672	
4,825.0	4,776.0	4,760.1	4,757.9	14.8	6.2	135.77	-536.8	46.1	776.9	757.7	19.15	40.571	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,850.0	4,800.5	4,783.8	4,781.6	14.9	6.3	135.99	-537.1	46.2	780.6	761.4	19.29	40.473	
4,874.1	4,824.1	4,806.6	4,804.5	15.0	6.3	136.21	-537.4	46.4	784.3	764.9	19.42	40.380	
4,875.0	4,825.0	4,807.5	4,805.3	15.0	6.3	136.22	-537.4	46.4	784.4	765.0	19.43	40.377	
4,900.0	4,849.5	4,831.4	4,829.3	15.1	6.3	136.46	-537.7	46.5	788.2	768.7	19.56	40.297	
4,925.0	4,874.0	4,855.4	4,853.2	15.2	6.3	136.70	-538.0	46.7	792.0	772.3	19.71	40.189	
4,950.0	4,898.6	4,879.4	4,877.2	15.3	6.4	136.92	-538.4	46.8	795.6	775.8	19.85	40.081	
4,975.0	4,923.1	4,903.4	4,901.2	15.4	6.4	137.14	-538.9	47.0	799.3	779.3	20.00	39.973	
5,000.0	4,947.7	4,927.8	4,925.6	15.6	6.4	137.35	-539.3	47.2	802.9	782.7	20.14	39.861	
5,025.0	4,972.3	4,952.2	4,950.0	15.7	6.5	137.55	-539.7	47.3	806.4	786.1	20.28	39.756	
5,050.0	4,997.0	4,976.6	4,974.4	15.8	6.5	137.75	-540.2	47.5	809.8	789.4	20.42	39.650	
5,075.0	5,021.6	5,001.0	4,998.8	15.9	6.5	137.94	-540.6	47.6	813.2	792.6	20.57	39.542	
5,100.0	5,046.3	5,025.4	5,023.1	16.0	6.5	138.13	-541.0	47.7	816.5	795.8	20.71	39.433	
5,125.0	5,071.0	5,049.7	5,047.5	16.1	6.6	138.31	-541.5	47.8	819.8	798.9	20.84	39.329	
5,150.0	5,095.7	5,074.1	5,071.8	16.2	6.6	138.48	-541.9	47.9	823.0	802.0	20.98	39.223	
5,175.0	5,120.4	5,098.4	5,096.2	16.3	6.6	138.65	-542.3	48.0	826.1	805.0	21.12	39.116	
5,200.0	5,145.1	5,123.6	5,121.4	16.4	6.6	138.82	-542.7	48.0	829.1	807.9	21.26	39.002	
5,225.0	5,169.9	5,148.8	5,146.6	16.5	6.7	138.98	-543.1	48.1	832.1	810.7	21.40	38.891	
5,250.0	5,194.6	5,174.1	5,171.8	16.6	6.7	139.13	-543.5	48.1	835.0	813.4	21.53	38.778	
5,275.0	5,219.4	5,199.3	5,197.1	16.7	6.7	139.28	-543.9	48.2	837.7	816.1	21.67	38.662	
5,300.0	5,244.2	5,224.3	5,222.1	16.8	6.7	139.42	-544.3	48.3	840.4	818.6	21.80	38.547	
5,325.0	5,269.0	5,249.4	5,247.1	16.9	6.8	139.56	-544.7	48.4	843.0	821.1	21.93	38.436	
5,350.0	5,293.8	5,274.4	5,272.2	17.0	6.8	139.68	-545.1	48.5	845.5	823.5	22.06	38.324	
5,375.0	5,318.7	5,299.5	5,297.2	17.1	6.8	139.80	-545.5	48.6	848.0	825.8	22.19	38.211	
5,400.0	5,343.5	5,323.7	5,321.5	17.2	6.8	139.91	-545.9	48.8	850.3	828.0	22.32	38.101	
5,425.0	5,368.4	5,348.0	5,345.7	17.3	6.9	140.02	-546.3	48.9	852.6	830.2	22.44	37.998	
5,450.0	5,393.2	5,372.2	5,370.0	17.4	6.9	140.11	-546.7	49.0	854.8	832.3	22.56	37.894	
5,475.0	5,418.1	5,396.5	5,394.2	17.5	6.9	140.20	-547.1	49.1	857.0	834.3	22.68	37.789	
5,500.0	5,443.0	5,421.5	5,419.2	17.6	7.0	140.29	-547.6	49.2	859.1	836.3	22.80	37.678	
5,525.0	5,467.9	5,446.7	5,444.4	17.7	7.0	140.38	-548.1	49.3	861.1	838.2	22.92	37.572	
5,550.0	5,492.8	5,471.8	5,469.6	17.8	7.0	140.45	-548.5	49.5	863.0	840.0	23.04	37.463	
5,575.0	5,517.7	5,497.0	5,494.7	17.9	7.0	140.52	-549.0	49.6	864.8	841.7	23.15	37.353	
5,600.0	5,542.7	5,521.0	5,518.7	18.0	7.1	140.59	-549.4	49.7	866.5	843.3	23.26	37.249	
5,625.0	5,567.6	5,544.9	5,542.6	18.1	7.1	140.64	-549.9	49.8	868.2	844.9	23.37	37.154	
5,650.0	5,592.5	5,568.8	5,566.5	18.2	7.1	140.70	-550.4	49.9	869.9	846.4	23.47	37.059	
5,675.0	5,617.5	5,592.6	5,590.3	18.3	7.1	140.74	-550.9	50.0	871.5	847.9	23.58	36.963	
5,700.0	5,642.5	5,617.2	5,614.9	18.4	7.2	140.78	-551.5	50.1	873.0	849.3	23.68	36.862	
5,725.0	5,667.4	5,642.2	5,639.8	18.5	7.2	140.82	-552.0	50.2	874.4	850.6	23.78	36.767	
5,750.0	5,692.4	5,667.1	5,664.8	18.6	7.2	140.86	-552.6	50.2	875.8	851.9	23.88	36.669	
5,775.0	5,717.4	5,692.0	5,689.7	18.6	7.2	140.89	-553.1	50.3	877.1	853.1	23.98	36.570	
5,800.0	5,742.3	5,716.9	5,714.6	18.7	7.3	140.91	-553.7	50.3	878.2	854.2	24.08	36.469	
5,825.0	5,767.3	5,741.9	5,739.5	18.8	7.3	140.93	-554.2	50.3	879.4	855.2	24.17	36.379	
5,850.0	5,792.3	5,766.8	5,764.4	18.9	7.3	140.95	-554.7	50.4	880.4	856.1	24.26	36.287	
5,875.0	5,817.3	5,791.7	5,789.3	18.9	7.3	140.96	-555.3	50.4	881.3	857.0	24.35	36.193	
5,900.0	5,842.3	5,817.1	5,814.7	19.0	7.4	140.96	-555.8	50.5	882.2	857.7	24.44	36.096	
5,925.0	5,867.3	5,842.6	5,840.3	19.1	7.4	140.96	-556.4	50.5	882.9	858.4	24.52	36.015	
5,950.0	5,892.3	5,868.2	5,865.8	19.1	7.4	140.96	-556.9	50.6	883.6	859.0	24.59	35.933	
5,975.0	5,917.3	5,893.8	5,891.4	19.2	7.5	140.94	-557.5	50.7	884.1	859.5	24.66	35.847	
6,000.0	5,942.3	5,919.1	5,916.7	19.3	7.5	140.93	-558.0	50.7	884.6	859.9	24.74	35.761	
6,024.1	5,966.4	5,943.4	5,941.0	19.3	7.5	-140.01	-558.4	50.8	884.9	860.2	24.77	35.734	
6,025.0	5,967.3	5,944.3	5,941.9	19.3	7.5	-140.01	-558.5	50.8	885.0	860.2	24.77	35.733	
6,050.0	5,992.3	5,969.5	5,967.1	19.3	7.5	-140.03	-558.9	50.9	885.3	860.5	24.78	35.721	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
6,075.0	6,017.3	5,994.7	5,992.3	19.3	7.6	-140.06	-559.4	51.0	885.6	860.8	24.80	35.708	
6,100.0	6,042.3	6,019.2	6,016.8	19.3	7.6	-140.08	-559.9	51.0	885.9	861.1	24.82	35.698	
6,125.0	6,067.3	6,043.5	6,041.1	19.3	7.6	-140.10	-560.3	51.1	886.2	861.4	24.84	35.685	
6,150.0	6,092.3	6,067.9	6,065.5	19.3	7.6	-140.12	-560.8	51.1	886.6	861.7	24.85	35.673	
6,175.0	6,117.3	6,092.2	6,089.8	19.3	7.7	-140.15	-561.4	51.2	887.0	862.1	24.87	35.661	
6,200.0	6,142.3	6,117.1	6,114.7	19.4	7.7	-140.17	-561.9	51.2	887.3	862.5	24.89	35.647	
6,225.0	6,167.3	6,142.3	6,139.9	19.4	7.7	-140.20	-562.4	51.3	887.7	862.8	24.91	35.631	
6,250.0	6,192.3	6,167.4	6,165.0	19.4	7.8	-140.23	-563.0	51.4	888.1	863.2	24.94	35.616	
6,275.0	6,217.3	6,192.6	6,190.2	19.4	7.8	-140.25	-563.6	51.5	888.5	863.5	24.96	35.600	
6,300.0	6,242.3	6,218.0	6,215.6	19.4	7.8	-140.28	-564.1	51.6	888.8	863.9	24.98	35.583	
6,325.0	6,267.3	6,243.6	6,241.1	19.4	7.8	-140.31	-564.7	51.7	889.2	864.2	25.00	35.564	
6,350.0	6,292.3	6,269.1	6,266.7	19.4	7.9	-140.34	-565.2	51.8	889.5	864.5	25.03	35.544	
6,375.0	6,317.3	6,294.7	6,292.2	19.4	7.9	-140.36	-565.7	51.9	889.8	864.8	25.05	35.523	
6,400.0	6,342.3	6,319.4	6,317.0	19.4	7.9	-140.38	-566.2	51.9	890.2	865.1	25.07	35.506	
6,425.0	6,367.3	6,344.0	6,341.5	19.4	8.0	-140.41	-566.6	52.0	890.5	865.4	25.09	35.491	
6,450.0	6,392.3	6,368.6	6,366.1	19.5	8.0	-140.43	-567.1	52.1	890.8	865.7	25.11	35.476	
6,475.0	6,417.3	6,393.1	6,390.6	19.5	8.0	-140.45	-567.6	52.2	891.2	866.0	25.13	35.461	
6,500.0	6,442.3	6,417.8	6,415.3	19.5	8.0	-140.48	-568.1	52.2	891.5	866.4	25.15	35.445	
6,525.0	6,467.3	6,442.6	6,440.1	19.5	8.0	-140.49	-568.6	52.2	891.9	866.7	25.18	35.427	
6,550.0	6,492.3	6,467.4	6,464.9	19.5	8.1	-140.50	-569.0	52.1	892.3	867.1	25.20	35.408	
6,575.0	6,517.3	6,492.2	6,489.7	19.5	8.1	-140.51	-569.3	51.9	892.6	867.4	25.22	35.388	
6,600.0	6,542.3	6,521.5	6,519.0	19.5	8.1	-140.50	-569.5	51.5	893.0	867.7	25.27	35.342	
6,625.0	6,567.3	6,545.7	6,543.2	19.5	8.1	-140.48	-569.5	51.1	893.2	867.9	25.29	35.320 SF	
6,650.0	6,592.3	6,565.0	6,562.5	19.5	8.1	-140.46	-569.5	50.8	893.6	868.3	25.29	35.332	
6,675.0	6,617.3	6,565.0	6,562.5	19.6	8.1	-140.46	-569.5	50.8	894.4	869.1	25.21	35.470	
6,700.0	6,642.3	6,583.2	6,580.7	19.6	8.1	-140.46	-570.0	50.3	895.3	870.1	25.22	35.502	
6,725.0	6,667.3	6,596.0	6,593.4	19.6	8.2	-140.48	-570.8	50.0	896.9	871.7	25.20	35.598	
6,750.0	6,692.3	6,596.0	6,593.4	19.6	8.2	-140.48	-570.8	50.0	898.9	873.8	25.11	35.799	
6,775.0	6,717.3	6,608.7	6,606.1	19.6	8.2	-140.51	-572.0	49.6	901.3	876.3	25.08	35.932	
6,800.0	6,742.3	6,627.0	6,624.2	19.6	8.2	-140.58	-574.5	49.0	904.4	879.4	25.08	36.059	
6,825.0	6,767.3	6,627.0	6,624.2	19.6	8.2	-140.58	-574.5	49.0	907.7	882.7	24.99	36.319	
6,850.0	6,792.3	6,627.0	6,624.2	19.6	8.2	-140.58	-574.5	49.0	911.6	886.7	24.90	36.612	
6,875.0	6,817.3	6,640.3	6,637.3	19.6	8.2	-140.65	-576.9	48.4	915.8	890.9	24.87	36.828	
6,900.0	6,842.3	6,658.0	6,654.5	19.6	8.2	-140.76	-580.7	47.5	920.7	895.9	24.86	37.041	
6,925.0	6,867.3	6,658.0	6,654.5	19.7	8.2	-140.76	-580.7	47.5	925.8	901.0	24.76	37.388	
6,950.0	6,892.3	6,658.0	6,654.5	19.7	8.2	-140.76	-580.7	47.5	931.5	906.8	24.66	37.766	
6,975.0	6,917.3	6,670.3	6,666.4	19.7	8.2	-140.84	-583.9	46.7	937.5	912.9	24.63	38.066	
7,000.0	6,942.3	6,677.5	6,673.3	19.7	8.2	-140.89	-585.8	46.2	944.0	919.5	24.57	38.426	
7,025.0	6,967.3	6,689.0	6,684.2	19.7	8.3	-140.98	-589.2	45.2	951.0	926.5	24.53	38.773	
7,050.0	6,992.3	6,689.0	6,684.2	19.7	8.3	-140.98	-589.2	45.2	958.4	934.0	24.43	39.224	
7,075.0	7,017.3	6,700.0	6,694.6	19.7	8.3	-141.07	-592.7	44.2	966.2	941.8	24.39	39.607	
7,100.0	7,042.3	6,707.8	6,701.9	19.7	8.3	-141.14	-595.4	43.5	974.4	950.0	24.34	40.031	
7,125.0	7,067.3	6,720.0	6,713.2	19.7	8.3	-141.26	-599.8	42.3	983.0	958.7	24.31	40.438	
7,150.0	7,092.3	6,720.0	6,713.2	19.8	8.3	-141.26	-599.8	42.3	991.9	967.7	24.22	40.951	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	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	-47.19	501.6	-541.4	738.1						
25.0	25.0	13.1	13.1	0.5	3.0	-47.19	501.6	-541.4	738.0						
50.0	50.0	38.2	38.2	0.5	3.0	-47.19	501.5	-541.5	738.0	733.3	4.72	156.207			
75.0	75.0	63.3	63.3	0.5	3.0	-47.21	501.4	-541.6	738.0	733.3	4.72	156.204			
100.0	100.0	88.4	88.4	0.5	3.0	-47.23	501.1	-541.8	738.0	733.3	4.72	156.199			
116.7	116.7	104.7	104.7	0.6	3.0	-47.25	500.9	-542.0	738.0	733.3	4.75	155.492			
125.0	125.0	112.3	112.3	0.6	3.0	-47.26	500.9	-542.1	738.0	733.3	4.76	155.108			
150.0	150.0	135.6	135.6	0.8	3.0	-47.29	500.6	-542.4	738.1	733.3	4.80	153.818			
175.0	175.0	160.3	160.3	0.9	3.0	-47.33	500.3	-542.8	738.2	733.3	4.85	152.341			
200.0	200.0	186.5	186.5	1.0	3.0	-47.38	499.9	-543.2	738.3	733.4	4.90	150.684			
225.0	225.0	213.7	213.6	1.1	3.0	-47.43	499.5	-543.7	738.3	733.3	4.94	149.493			
250.0	250.0	239.9	239.9	1.2	3.0	-47.47	499.0	-544.0	738.2	733.2	4.98	148.228			
275.0	275.0	265.0	264.9	1.3	3.0	-47.50	498.7	-544.2	738.1	733.1	5.02	146.903			
300.0	300.0	291.4	291.4	1.4	3.0	-47.53	498.3	-544.4	738.1	733.0	5.07	145.523			
325.0	325.0	318.1	318.0	1.4	3.0	-47.56	498.0	-544.6	737.9	732.8	5.11	144.348			
350.0	350.0	346.9	346.9	1.5	3.0	-47.59	497.5	-544.7	737.7	732.5	5.15	143.126			
375.0	375.0	372.9	372.8	1.6	3.0	-47.62	496.9	-544.7	737.4	732.2	5.20	141.859			
400.0	400.0	396.0	395.9	1.6	3.0	-47.65	496.5	-544.7	737.1	731.8	5.24	140.574			
425.0	425.0	419.5	419.4	1.7	3.0	-47.67	496.1	-544.7	736.8	731.5	5.28	139.441			
450.0	450.0	443.8	443.7	1.8	3.0	-47.70	495.7	-544.8	736.6	731.3	5.33	138.303			
475.0	475.0	468.3	468.3	1.8	3.0	-47.73	495.3	-545.0	736.4	731.1	5.37	137.158			
500.0	500.0	494.0	493.9	1.9	3.0	-47.77	494.8	-545.2	736.3	730.8	5.41	136.002			
525.0	525.0	515.5	515.4	1.9	3.1	-47.80	494.4	-545.3	736.1	730.6	5.45	134.962			
538.9	538.9	527.0	526.9	2.0	3.1	-47.82	494.3	-545.5	736.1	730.6	5.48	134.398			
550.0	550.0	537.6	537.6	2.0	3.1	-47.84	494.1	-545.6	736.1	730.6	5.50	133.949			
575.0	575.0	561.9	561.8	2.1	3.1	-47.88	493.7	-546.0	736.1	730.6	5.54	132.939			
600.0	600.0	586.7	586.7	2.1	3.1	-47.92	493.3	-546.4	736.2	730.6	5.58	131.928			
625.0	625.0	609.7	609.6	2.2	3.1	-47.96	493.0	-546.7	736.2	730.6	5.62	131.001			
650.0	650.0	631.2	631.1	2.2	3.1	-47.99	492.8	-547.1	736.4	730.7	5.66	130.103			
675.0	675.0	655.8	655.7	2.3	3.1	-48.02	492.7	-547.6	736.7	730.9	5.70	129.208			
700.0	700.0	681.7	681.5	2.3	3.1	-48.06	492.4	-548.1	736.9	731.1	5.74	128.304			
725.0	725.0	707.2	707.1	2.4	3.1	-48.11	492.2	-548.7	737.1	731.3	5.78	127.455			
750.0	750.0	731.9	731.8	2.4	3.1	-48.15	491.9	-549.1	737.3	731.5	5.82	126.600			
775.0	775.0	752.4	752.2	2.5	3.1	-48.18	491.7	-549.6	737.6	731.7	5.86	125.781			
800.0	800.0	776.6	776.5	2.5	3.1	-48.23	491.5	-550.3	737.9	732.0	5.91	124.964			
825.0	825.0	802.3	802.1	2.6	3.1	-48.29	491.2	-551.1	738.3	732.4	5.95	124.190			
850.0	850.0	827.7	827.5	2.6	3.1	-48.35	490.9	-551.9	738.7	732.7	5.99	123.410			
875.0	875.0	850.0	849.8	2.6	3.2	-48.40	490.6	-552.6	739.1	733.1	6.03	122.660			
900.0	900.0	871.3	871.1	2.7	3.2	-48.46	490.4	-553.5	739.7	733.6	6.07	121.933			
925.0	925.0	898.9	898.6	2.7	3.2	-48.54	490.0	-554.6	740.2	734.1	6.11	121.216			
950.0	950.0	923.4	923.2	2.8	3.2	-48.61	489.6	-555.6	740.7	734.6	6.15	120.504			
975.0	975.0	969.5	969.2	2.8	3.2	-48.74	488.7	-556.9	741.0	734.8	6.19	119.687			
1,000.0	1,000.0	1,002.9	1,002.5	2.9	3.2	-48.81	487.6	-557.2	740.5	734.3	6.23	118.829			
1,025.0	1,025.0	1,028.9	1,028.6	2.9	3.2	-48.87	486.7	-557.3	740.0	733.8	6.27	118.002			
1,050.0	1,050.0	1,053.9	1,053.6	3.0	3.2	-48.92	485.8	-557.3	739.5	733.2	6.31	117.174			
1,075.0	1,075.0	1,076.7	1,076.4	3.0	3.2	-48.96	485.2	-557.3	739.0	732.7	6.35	116.360			
1,100.0	1,100.0	1,100.0	1,099.6	3.0	3.3	-49.00	484.5	-557.4	738.6	732.2	6.39	115.561			
1,125.0	1,125.0	1,127.4	1,127.1	3.1	3.3	-49.06	483.6	-557.5	738.2	731.7	6.43	114.782			
1,150.0	1,150.0	1,153.3	1,152.9	3.1	3.3	-49.12	482.7	-557.7	737.7	731.2	6.47	114.000			
1,175.0	1,175.0	1,178.1	1,177.7	3.2	3.3	-49.18	481.8	-557.7	737.2	730.7	6.51	113.221			
1,200.0	1,200.0	1,200.6	1,200.2	3.2	3.3	-49.23	481.1	-557.8	736.7	730.2	6.55	112.459			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
1,225.0	1,225.0	1,225.0	1,224.6	3.2	3.3	-49.28	480.3	-557.9	736.3	729.7	6.59	111.721	
1,250.0	1,250.0	1,246.6	1,246.2	3.3	3.3	-49.31	479.7	-558.0	735.9	729.3	6.63	111.002	
1,275.0	1,275.0	1,266.2	1,265.8	3.3	3.3	-49.32	479.5	-558.0	735.7	729.0	6.67	110.322	
1,291.0	1,291.0	1,279.5	1,279.0	3.4	3.3	-49.32	479.5	-558.0	735.7	729.0	6.69	109.903	
1,300.0	1,300.0	1,287.8	1,287.4	3.4	3.3	-49.32	479.5	-557.9	735.7	729.0	6.71	109.671	
1,325.0	1,325.0	1,311.8	1,311.3	3.4	3.3	-49.32	479.6	-557.9	735.7	729.0	6.75	109.053	
1,350.0	1,350.0	1,337.7	1,337.3	3.4	3.3	-49.32	479.7	-558.0	735.8	729.0	6.79	108.432	
1,375.0	1,375.0	1,363.4	1,362.9	3.5	3.3	-49.31	479.7	-557.9	735.8	729.0	6.83	107.800	
1,400.0	1,400.0	1,388.5	1,388.0	3.5	3.3	-49.31	479.7	-557.9	735.8	728.9	6.87	107.175	
1,423.7	1,423.7	1,412.2	1,411.7	3.6	3.3	-49.31	479.7	-557.9	735.8	728.9	6.90	106.600	
1,425.0	1,425.0	1,413.4	1,413.0	3.6	3.3	-49.31	479.7	-557.9	735.8	728.9	6.90	106.570	
1,450.0	1,450.0	1,438.5	1,438.1	3.6	3.4	-49.32	479.6	-558.0	735.8	728.9	6.94	105.971	
1,475.0	1,475.0	1,464.6	1,464.2	3.6	3.4	-49.33	479.5	-558.1	735.8	728.8	6.98	105.368	
1,500.0	1,500.0	1,489.8	1,489.4	3.7	3.4	-49.34	479.4	-558.1	735.7	728.7	7.02	104.761	
1,525.0	1,525.0	1,515.5	1,515.1	3.7	3.4	-49.34	479.4	-558.0	735.7	728.6	7.06	104.166	
1,550.0	1,550.0	1,547.6	1,547.2	3.8	3.4	-49.30	479.6	-557.6	735.5	728.4	7.10	103.539	
1,575.0	1,575.0	1,577.2	1,576.7	3.8	3.4	-49.23	479.9	-556.7	735.1	728.0	7.14	102.888	
1,600.0	1,600.0	1,602.7	1,602.3	3.8	3.4	-49.17	480.2	-555.8	734.6	727.5	7.19	102.239	
1,625.0	1,625.0	1,626.7	1,626.2	3.9	3.4	-49.11	480.5	-555.0	734.2	726.9	7.23	101.612	
1,650.0	1,650.0	1,651.1	1,650.5	3.9	3.4	-49.05	480.8	-554.1	733.7	726.5	7.27	100.991	
1,675.0	1,675.0	1,675.0	1,674.5	3.9	3.4	-48.99	481.1	-553.3	733.3	726.0	7.31	100.382	
1,700.0	1,700.0	1,701.7	1,701.2	4.0	3.4	-48.92	481.5	-552.4	732.9	725.6	7.35	99.765	
1,725.0	1,725.0	1,725.0	1,724.4	4.0	3.4	-48.87	481.8	-551.7	732.5	725.1	7.39	99.175	
1,750.0	1,750.0	1,748.4	1,747.9	4.1	3.4	-48.81	482.1	-550.9	732.2	724.7	7.43	98.597	
1,775.0	1,775.0	1,773.1	1,772.5	4.1	3.4	-48.75	482.5	-550.2	731.8	724.4	7.47	98.022	
1,800.0	1,800.0	1,800.6	1,800.0	4.1	3.4	-48.69	482.8	-549.4	731.5	724.0	7.51	97.435	
1,825.0	1,825.0	1,821.9	1,821.3	4.2	3.4	-48.65	483.0	-548.8	731.1	723.6	7.55	96.884	
1,850.0	1,850.0	1,847.2	1,846.5	4.2	3.4	-48.61	483.2	-548.2	730.8	723.3	7.59	96.334	
1,875.0	1,875.0	1,873.3	1,872.7	4.2	3.4	-48.57	483.4	-547.6	730.5	722.9	7.63	95.778	
1,900.0	1,900.0	1,896.7	1,896.1	4.3	3.4	-48.53	483.6	-547.1	730.2	722.6	7.67	95.236	
1,925.0	1,925.0	1,921.2	1,920.6	4.3	3.4	-48.49	483.8	-546.6	730.0	722.3	7.71	94.708	
1,950.0	1,950.0	1,954.3	1,953.6	4.3	3.4	-48.44	483.9	-545.8	729.6	721.8	7.75	94.139	
1,975.0	1,975.0	1,978.6	1,977.9	4.4	3.4	-48.40	484.0	-545.1	729.1	721.3	7.79	93.582	
2,000.0	2,000.0	2,012.2	2,011.5	4.4	3.4	-48.33	484.0	-543.9	728.4	720.6	7.83	92.974	
2,025.0	2,025.0	2,046.1	2,045.4	4.4	3.4	-127.36	483.9	-542.2	727.5	719.7	7.89	92.207	
2,050.0	2,050.0	2,097.8	2,096.9	4.5	3.4	-127.21	483.8	-538.1	726.3	718.3	7.95	91.414	
2,075.0	2,075.0	2,130.9	2,129.8	4.5	3.4	-127.09	483.7	-534.3	724.4	716.4	7.99	90.620	
2,100.0	2,100.0	2,156.0	2,154.7	4.5	3.4	-127.02	483.6	-531.3	722.5	714.5	8.04	89.882	
2,125.0	2,125.0	2,179.1	2,177.7	4.6	3.4	-126.95	483.5	-528.5	720.9	712.7	8.11	88.893	
2,150.0	2,149.9	2,205.1	2,203.5	4.6	3.5	-126.90	483.5	-525.4	719.3	711.1	8.18	87.942	
2,175.0	2,174.9	2,235.6	2,233.7	4.7	3.5	-126.84	483.3	-521.6	717.8	709.6	8.25	87.011	
2,200.0	2,199.8	2,266.4	2,264.3	4.7	3.5	-126.78	483.2	-517.5	716.2	707.9	8.32	86.091	
2,225.0	2,224.8	2,293.8	2,291.4	4.7	3.5	-126.73	483.0	-513.6	714.6	706.2	8.39	85.161	
2,250.0	2,249.7	2,326.3	2,323.5	4.8	3.5	-126.69	482.7	-508.8	713.0	704.5	8.46	84.252	
2,275.0	2,274.6	2,357.7	2,354.5	4.8	3.5	-126.66	482.3	-503.9	711.2	702.7	8.53	83.345	
2,300.0	2,299.5	2,388.2	2,384.6	4.9	3.5	-126.65	481.7	-498.9	709.3	700.7	8.60	82.441	
2,325.0	2,324.3	2,414.5	2,410.5	4.9	3.5	-126.65	481.2	-494.4	707.5	698.8	8.68	81.516	
2,350.0	2,349.1	2,438.5	2,434.1	5.0	3.6	-126.66	480.8	-490.3	705.8	697.0	8.75	80.624	
2,375.0	2,373.9	2,459.0	2,454.3	5.1	3.6	-126.70	480.3	-487.0	704.2	695.4	8.83	79.769	
2,400.0	2,398.7	2,477.4	2,472.5	5.1	3.6	-126.75	479.9	-484.2	703.1	694.2	8.90	78.959	
2,425.0	2,423.4	2,500.0	2,494.9	5.2	3.6	-126.85	479.2	-481.1	702.3	693.3	8.98	78.178	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,450.0	2,448.2	2,518.4	2,513.2	5.3	3.6	-126.94	478.7	-478.8	701.7	692.6	9.06	77.434	
2,475.0	2,472.8	2,539.7	2,534.4	5.4	3.6	-127.06	478.2	-476.2	701.4	692.3	9.14	76.733	
2,489.8	2,487.4	2,552.6	2,547.2	5.4	3.6	-127.14	477.9	-474.7	701.4	692.2	9.19	76.334	
2,500.0	2,497.5	2,561.1	2,555.6	5.4	3.6	-127.19	477.7	-473.7	701.4	692.2	9.22	76.068	
2,525.0	2,522.1	2,582.3	2,576.6	5.5	3.6	-127.32	477.3	-471.3	701.7	692.4	9.29	75.569	
2,550.0	2,546.6	2,604.3	2,598.5	5.6	3.6	-127.47	476.9	-468.9	702.2	692.9	9.35	75.100	
2,575.0	2,571.2	2,625.0	2,619.1	5.7	3.6	-127.62	476.6	-466.6	703.0	693.6	9.42	74.661	
2,600.0	2,595.6	2,647.5	2,641.4	5.7	3.7	-127.80	476.4	-464.3	703.9	694.5	9.46	74.396	
2,625.0	2,620.1	2,671.0	2,664.8	5.8	3.7	-127.98	476.3	-461.9	705.0	695.4	9.54	73.871	
2,650.0	2,644.6	2,697.0	2,690.7	5.9	3.7	-128.18	476.1	-459.2	706.0	696.4	9.63	73.348	
2,675.0	2,669.1	2,719.9	2,713.5	5.9	3.7	-128.36	476.0	-456.9	707.1	697.4	9.71	72.834	
2,700.0	2,693.6	2,746.1	2,739.6	6.0	3.7	-128.56	475.9	-454.2	708.2	698.4	9.79	72.324	
2,725.0	2,718.1	2,769.7	2,763.0	6.1	3.7	-128.74	475.7	-451.8	709.3	699.5	9.88	71.821	
2,750.0	2,742.6	2,796.0	2,789.2	6.2	3.7	-128.95	475.6	-449.2	710.5	700.5	9.96	71.320	
2,775.0	2,767.1	2,822.4	2,815.4	6.3	3.8	-129.15	475.4	-446.5	711.5	701.5	10.05	70.817	
2,800.0	2,791.6	2,853.5	2,846.4	6.4	3.8	-129.37	475.2	-443.0	712.5	702.3	10.13	70.301	
2,825.0	2,816.1	2,881.4	2,874.1	6.4	3.8	-129.54	475.1	-439.6	713.2	703.0	10.22	69.762	
2,850.0	2,840.6	2,905.7	2,898.1	6.5	3.8	-129.69	475.1	-436.5	714.0	703.7	10.31	69.231	
2,875.0	2,865.1	2,928.5	2,920.8	6.6	3.8	-129.82	475.2	-433.6	714.8	704.4	10.40	68.715	
2,900.0	2,889.6	2,952.3	2,944.4	6.7	3.8	-129.95	475.3	-430.6	715.7	705.2	10.49	68.210	
2,925.0	2,914.1	2,981.4	2,973.3	6.8	3.9	-130.12	475.3	-427.0	716.5	705.9	10.59	67.679	
2,950.0	2,938.6	3,007.1	2,998.7	6.9	3.9	-130.27	475.4	-423.6	717.2	706.5	10.68	67.153	
2,975.0	2,963.1	3,031.9	3,023.3	7.0	3.9	-130.41	475.4	-420.4	717.9	707.1	10.77	66.634	
3,000.0	2,987.6	3,056.8	3,047.9	7.1	3.9	-130.54	475.5	-417.2	718.6	707.8	10.87	66.121	
3,025.0	3,012.1	3,081.5	3,072.5	7.2	3.9	-130.68	475.5	-413.9	719.4	708.4	10.97	65.602	
3,050.0	3,036.6	3,105.7	3,096.5	7.2	3.9	-130.82	475.5	-410.8	720.1	709.1	11.06	65.091	
3,075.0	3,061.1	3,128.3	3,118.9	7.3	4.0	-130.95	475.5	-408.0	721.0	709.8	11.16	64.595	
3,100.0	3,085.6	3,154.4	3,144.8	7.4	4.0	-131.11	475.5	-404.8	721.8	710.6	11.26	64.099	
3,125.0	3,110.1	3,181.1	3,171.3	7.5	4.0	-131.27	475.5	-401.4	722.6	711.2	11.36	63.591	
3,150.0	3,134.6	3,208.6	3,198.6	7.6	4.0	-131.44	475.3	-398.0	723.4	711.9	11.47	63.081	
3,175.0	3,159.1	3,238.0	3,227.7	7.7	4.0	-131.63	474.9	-394.2	724.0	712.4	11.57	62.559	
3,200.0	3,183.6	3,266.1	3,255.6	7.8	4.1	-131.83	474.4	-390.6	724.4	712.8	11.68	62.033	
3,225.0	3,208.1	3,292.7	3,282.0	7.9	4.1	-132.01	473.8	-387.2	724.8	713.1	11.79	61.499	
3,250.0	3,232.6	3,318.3	3,307.3	8.0	4.1	-132.19	473.1	-383.8	725.2	713.3	11.89	60.971	
3,275.0	3,257.1	3,343.4	3,332.2	8.1	4.1	-132.37	472.5	-380.5	725.6	713.6	12.00	60.449	
3,300.0	3,281.6	3,367.3	3,355.8	8.2	4.1	-132.53	471.9	-377.4	726.0	713.8	12.11	59.939	
3,325.0	3,306.1	3,391.2	3,379.5	8.3	4.2	-132.70	471.4	-374.2	726.4	714.2	12.22	59.432	
3,350.0	3,330.6	3,417.0	3,405.1	8.4	4.2	-132.88	470.8	-370.9	726.8	714.5	12.33	58.927	
3,375.0	3,355.1	3,441.1	3,429.0	8.5	4.2	-133.05	470.2	-367.7	727.3	714.8	12.45	58.430	
3,400.0	3,379.6	3,463.9	3,451.7	8.6	4.2	-133.21	469.7	-364.8	727.7	715.2	12.56	57.949	
3,425.0	3,404.1	3,487.4	3,474.9	8.7	4.2	-133.38	469.2	-361.9	728.3	715.6	12.67	57.470	
3,450.0	3,428.6	3,510.9	3,498.3	8.8	4.2	-133.55	468.6	-359.0	728.9	716.1	12.79	57.001	
3,475.0	3,453.1	3,534.0	3,521.2	8.9	4.3	-133.71	468.2	-356.2	729.6	716.7	12.90	56.545	
3,500.0	3,477.6	3,557.1	3,544.2	9.0	4.3	-133.88	467.7	-353.4	730.4	717.3	13.02	56.099	
3,525.0	3,502.1	3,579.9	3,566.8	9.1	4.3	-134.05	467.2	-350.8	731.2	718.0	13.14	55.660	
3,550.0	3,526.6	3,604.6	3,591.3	9.2	4.3	-134.23	466.8	-348.0	732.1	718.8	13.26	55.224	
3,575.0	3,551.1	3,631.8	3,618.3	9.3	4.3	-134.43	466.2	-344.8	732.9	719.5	13.38	54.782	
3,600.0	3,575.6	3,655.6	3,641.9	9.4	4.4	-134.60	465.8	-342.0	733.7	720.2	13.50	54.356	
3,625.0	3,600.1	3,679.5	3,665.6	9.5	4.4	-134.77	465.3	-339.3	734.6	720.9	13.62	53.934	
3,650.0	3,624.6	3,705.6	3,691.6	9.6	4.4	-134.96	464.8	-336.2	735.4	721.7	13.74	53.509	
3,675.0	3,649.1	3,730.0	3,715.8	9.7	4.4	-135.14	464.3	-333.4	736.3	722.4	13.87	53.096	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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: Reference		100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR						Rule Assigned:					Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
3,700.0	3,673.6	3,754.3	3,740.0	9.9	4.5	-135.31	463.9	-330.6	737.2	723.2	13.99	52.690		
3,725.0	3,698.1	3,778.6	3,764.1	10.0	4.5	-135.48	463.5	-327.7	738.1	724.0	14.12	52.288		
3,750.0	3,722.6	3,801.1	3,786.5	10.1	4.5	-135.64	463.1	-325.1	739.1	724.8	14.24	51.902		
3,775.0	3,747.1	3,823.9	3,809.0	10.2	4.5	-135.79	462.9	-322.5	740.1	725.7	14.36	51.527		
3,800.0	3,771.6	3,850.2	3,835.2	10.3	4.5	-135.96	462.7	-319.5	741.2	726.7	14.49	51.147		
3,825.0	3,796.1	3,876.1	3,860.9	10.4	4.6	-136.12	462.5	-316.5	742.2	727.6	14.62	50.768		
3,850.0	3,820.5	3,900.0	3,884.7	10.5	4.6	-136.27	462.3	-313.6	743.3	728.5	14.75	50.402		
3,875.0	3,845.0	3,923.8	3,908.3	10.6	4.6	-136.41	462.2	-310.8	744.3	729.5	14.87	50.045		
3,900.0	3,869.5	3,950.0	3,934.3	10.7	4.6	-136.57	462.1	-307.7	745.4	730.4	15.00	49.684		
3,925.0	3,894.0	3,976.8	3,960.9	10.8	4.6	-136.73	461.9	-304.5	746.5	731.3	15.14	49.318		
3,950.0	3,918.5	4,001.9	3,985.9	10.9	4.7	-136.89	461.7	-301.5	747.5	732.2	15.27	48.961		
3,975.0	3,943.0	4,027.7	4,011.4	11.0	4.7	-137.05	461.4	-298.4	748.5	733.1	15.40	48.604		
4,000.0	3,967.5	4,052.8	4,036.3	11.1	4.7	-137.20	461.2	-295.4	749.4	733.9	15.53	48.253		
4,025.0	3,992.0	4,075.0	4,058.4	11.2	4.7	-137.34	460.9	-292.8	750.5	734.8	15.66	47.916		
4,050.0	4,016.5	4,098.3	4,081.5	11.4	4.8	-137.49	460.7	-290.1	751.6	735.8	15.79	47.586		
4,075.0	4,041.0	4,123.5	4,106.6	11.5	4.8	-137.66	460.4	-287.2	752.7	736.8	15.93	47.253		
4,100.0	4,065.5	4,147.5	4,130.4	11.6	4.8	-137.82	460.1	-284.5	753.8	737.8	16.06	46.928		
4,125.0	4,090.0	4,173.1	4,155.9	11.7	4.8	-137.99	459.8	-281.7	755.0	738.8	16.20	46.600		
4,150.0	4,114.5	4,197.3	4,179.9	11.8	4.9	-138.15	459.4	-279.0	756.2	739.8	16.34	46.282		
4,175.0	4,139.0	4,219.8	4,202.3	11.9	4.9	-138.30	459.1	-276.5	757.4	740.9	16.47	45.977		
4,200.0	4,163.5	4,241.7	4,224.1	12.0	4.9	-138.44	458.9	-274.1	758.7	742.1	16.61	45.684		
4,225.0	4,188.0	4,263.1	4,245.4	12.1	4.9	-138.59	458.7	-271.9	760.1	743.3	16.74	45.402		
4,250.0	4,212.5	4,286.6	4,268.7	12.2	4.9	-138.75	458.5	-269.6	761.6	744.7	16.88	45.122		
4,275.0	4,237.0	4,312.0	4,294.0	12.3	5.0	-138.93	458.1	-267.1	763.1	746.1	17.02	44.833		
4,300.0	4,261.5	4,335.5	4,317.4	12.4	5.0	-139.10	457.8	-264.9	764.7	747.5	17.16	44.558		
4,325.0	4,286.0	4,358.7	4,340.5	12.6	5.0	-139.26	457.5	-262.7	766.3	749.0	17.30	44.290		
4,350.0	4,310.5	4,383.0	4,364.7	12.7	5.0	-139.43	457.2	-260.5	767.9	750.5	17.44	44.022		
4,375.0	4,335.0	4,407.3	4,388.8	12.8	5.1	-139.61	456.9	-258.2	769.6	752.0	17.59	43.759		
4,400.0	4,359.5	4,431.8	4,413.2	12.9	5.1	-139.78	456.6	-256.0	771.3	753.6	17.73	43.500		
4,425.0	4,384.0	4,456.0	4,437.4	13.0	5.1	-139.95	456.4	-253.8	773.0	755.1	17.88	43.245		
4,450.0	4,408.5	4,480.9	4,462.2	13.1	5.1	-140.13	456.1	-251.5	774.7	756.7	18.02	42.991		
4,475.0	4,433.0	4,504.2	4,485.4	13.2	5.1	-140.29	455.8	-249.5	776.5	758.3	18.16	42.747		
4,500.0	4,457.5	4,528.6	4,509.7	13.3	5.2	-140.46	455.5	-247.3	778.3	760.0	18.31	42.506		
4,525.0	4,482.0	4,556.0	4,536.9	13.4	5.2	-140.66	455.2	-244.9	780.1	761.6	18.46	42.250		
4,550.0	4,506.5	4,581.8	4,562.7	13.6	5.2	-140.84	454.9	-242.5	781.8	763.2	18.61	42.001		
4,575.0	4,531.0	4,605.7	4,586.5	13.7	5.2	-141.00	454.6	-240.3	783.5	764.8	18.76	41.765		
4,600.0	4,555.5	4,629.9	4,610.5	13.8	5.3	-141.17	454.3	-238.1	785.3	766.4	18.91	41.532		
4,625.0	4,580.0	4,654.1	4,634.6	13.9	5.3	-141.33	454.0	-236.0	787.1	768.0	19.06	41.303		
4,650.0	4,604.5	4,678.1	4,658.6	14.0	5.3	-141.50	453.7	-233.8	788.9	769.7	19.20	41.077		
4,675.0	4,629.0	4,700.9	4,681.3	14.1	5.3	-141.66	453.4	-231.9	790.7	771.4	19.35	40.862		
4,700.0	4,653.5	4,727.0	4,707.3	14.2	5.4	-141.83	453.1	-229.6	792.6	773.1	19.51	40.637		
4,725.0	4,678.0	4,752.2	4,732.4	14.3	5.4	-142.01	452.8	-227.4	794.5	774.8	19.66	40.416		
4,750.0	4,702.5	4,775.8	4,755.9	14.5	5.4	-142.16	452.6	-225.3	796.4	776.6	19.81	40.207		
4,775.0	4,727.0	4,799.0	4,779.0	14.6	5.4	-142.31	452.4	-223.3	798.3	778.4	19.96	40.005		
4,800.0	4,751.5	4,827.2	4,807.1	14.7	5.5	-142.50	452.2	-220.8	800.3	780.1	20.12	39.783		
4,825.0	4,776.0	4,865.4	4,845.1	14.8	5.5	-142.74	451.7	-217.1	801.9	781.6	20.29	39.523		
4,850.0	4,800.5	4,893.4	4,872.9	14.9	5.5	-142.92	451.2	-214.1	803.3	782.8	20.44	39.294		
4,874.1	4,824.1	4,917.9	4,897.3	15.0	5.6	-143.07	450.8	-211.4	804.6	784.0	20.59	39.083		
4,875.0	4,825.0	4,918.9	4,898.2	15.0	5.6	-143.08	450.8	-211.3	804.6	784.1	20.59	39.076		
4,900.0	4,849.5	4,943.2	4,922.4	15.1	5.6	-143.24	450.3	-208.6	806.0	785.2	20.73	38.876		
4,925.0	4,874.0	4,965.9	4,945.0	15.2	5.6	-143.38	450.0	-206.2	807.2	786.4	20.88	38.660		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,950.0	4,898.6	4,990.5	4,969.4	15.3	5.6	-143.53	449.6	-203.6	808.5	787.5	21.03	38.440	
4,975.0	4,923.1	5,016.3	4,995.1	15.4	5.7	-143.69	449.1	-200.9	809.6	788.4	21.19	38.211	
5,000.0	4,947.7	5,041.3	5,019.9	15.6	5.7	-143.84	448.5	-198.3	810.7	789.3	21.34	37.985	
5,025.0	4,972.3	5,065.0	5,043.5	15.7	5.7	-143.97	448.0	-195.8	811.7	790.2	21.49	37.770	
5,050.0	4,997.0	5,089.1	5,067.5	15.8	5.7	-144.11	447.5	-193.3	812.6	791.0	21.64	37.555	
5,075.0	5,021.6	5,113.7	5,091.9	15.9	5.8	-144.24	447.0	-190.8	813.5	791.7	21.79	37.338	
5,100.0	5,046.3	5,137.5	5,115.6	16.0	5.8	-144.37	446.5	-188.4	814.3	792.3	21.93	37.124	
5,125.0	5,071.0	5,160.6	5,138.6	16.1	5.8	-144.49	446.1	-186.1	815.0	792.9	22.08	36.919	
5,150.0	5,095.7	5,184.4	5,162.3	16.2	5.8	-144.60	445.6	-183.8	815.7	793.5	22.22	36.714	
5,175.0	5,120.4	5,209.3	5,187.0	16.3	5.9	-144.73	445.0	-181.4	816.4	794.0	22.37	36.502	
5,200.0	5,145.1	5,232.3	5,210.0	16.4	5.9	-144.84	444.4	-179.2	817.0	794.5	22.51	36.298	
5,225.0	5,169.9	5,253.4	5,230.9	16.5	5.9	-144.94	444.0	-177.3	817.6	794.9	22.64	36.111	
5,250.0	5,194.6	5,276.6	5,254.1	16.6	5.9	-145.04	443.5	-175.3	818.2	795.4	22.78	35.918	
5,275.0	5,219.4	5,304.7	5,282.0	16.7	6.0	-145.16	443.0	-172.8	818.7	795.8	22.93	35.707	
5,300.0	5,244.2	5,354.6	5,331.6	16.8	6.0	-145.27	442.7	-167.1	818.6	795.5	23.11	35.417	
5,325.0	5,269.0	5,377.4	5,354.2	16.9	6.0	-145.28	442.9	-164.0	818.2	795.0	23.24	35.209	
5,350.0	5,293.8	5,402.3	5,378.9	17.0	6.1	-145.30	443.0	-160.8	817.7	794.3	23.37	34.995	
5,375.0	5,318.7	5,427.2	5,403.6	17.1	6.1	-145.31	443.1	-157.5	817.1	793.6	23.49	34.780	
5,400.0	5,343.5	5,450.9	5,427.1	17.2	6.1	-145.31	443.2	-154.4	816.4	792.8	23.62	34.568	
5,425.0	5,368.4	5,477.5	5,453.5	17.3	6.2	-145.32	443.3	-150.9	815.6	791.9	23.74	34.354	
5,450.0	5,393.2	5,500.0	5,475.7	17.4	6.2	-145.31	443.4	-147.9	814.8	790.9	23.86	34.149	
5,475.0	5,418.1	5,523.2	5,498.8	17.5	6.2	-145.30	443.6	-144.9	813.9	789.9	23.98	33.944	
5,500.0	5,443.0	5,546.6	5,521.9	17.6	6.2	-145.29	443.7	-142.0	813.0	788.9	24.09	33.742	
5,525.0	5,467.9	5,571.1	5,546.3	17.7	6.3	-145.28	443.9	-138.9	812.0	787.8	24.21	33.542	
5,550.0	5,492.8	5,622.0	5,596.7	17.8	6.3	-145.27	443.6	-132.1	810.7	786.3	24.37	33.268	
5,575.0	5,517.7	5,649.3	5,623.7	17.9	6.3	-145.26	443.1	-127.9	808.7	784.2	24.49	33.023	
5,600.0	5,542.7	5,675.0	5,649.1	18.0	6.4	-145.25	442.6	-124.1	806.6	782.0	24.61	32.779	
5,625.0	5,567.6	5,699.1	5,672.9	18.1	6.4	-145.23	442.0	-120.4	804.4	779.6	24.72	32.544	
5,650.0	5,592.5	5,722.4	5,695.9	18.2	6.4	-145.21	441.6	-117.0	802.1	777.3	24.82	32.312	
5,675.0	5,617.5	5,745.4	5,718.7	18.3	6.5	-145.20	441.1	-113.6	799.8	774.9	24.93	32.081	
5,700.0	5,642.5	5,769.4	5,742.4	18.4	6.5	-145.18	440.5	-110.1	797.5	772.5	25.04	31.848	
5,725.0	5,667.4	5,795.0	5,767.7	18.5	6.5	-145.15	439.9	-106.5	795.1	770.0	25.15	31.621	
5,750.0	5,692.4	5,819.5	5,792.0	18.6	6.5	-145.12	439.3	-102.9	792.6	767.3	25.25	31.393	
5,775.0	5,717.4	5,841.2	5,813.4	18.6	6.6	-145.10	438.7	-99.9	790.0	764.7	25.34	31.171	
5,800.0	5,742.3	5,864.4	5,836.5	18.7	6.6	-145.07	438.1	-96.7	787.5	762.1	25.45	30.949	
5,825.0	5,767.3	5,890.9	5,862.7	18.8	6.6	-145.04	437.4	-93.1	784.9	759.3	25.54	30.729	
5,850.0	5,792.3	5,914.1	5,885.7	18.9	6.6	-145.00	436.7	-90.0	782.1	756.5	25.63	30.514	
5,875.0	5,817.3	5,935.4	5,906.8	18.9	6.7	-144.96	436.2	-87.1	779.4	753.7	25.72	30.306	
5,900.0	5,842.3	5,957.2	5,928.4	19.0	6.7	-144.92	435.6	-84.3	776.7	750.8	25.80	30.099	
5,925.0	5,867.3	5,980.0	5,951.0	19.1	6.7	-144.88	435.0	-81.5	773.9	748.1	25.88	29.909	
5,950.0	5,892.3	6,004.1	5,974.9	19.1	6.7	-144.84	434.3	-78.5	771.2	745.2	25.95	29.716	
5,975.0	5,917.3	6,025.0	5,995.6	19.2	6.8	-144.80	433.7	-76.0	768.3	742.3	26.02	29.530	
6,000.0	5,942.3	6,048.4	6,018.9	19.3	6.8	-144.75	433.0	-73.3	765.5	739.4	26.09	29.340	
6,024.1	5,966.4	6,068.7	6,039.0	19.3	6.8	-65.62	432.5	-71.0	762.8	736.7	26.12	29.210	
6,025.0	5,967.3	6,069.5	6,039.8	19.3	6.8	-65.62	432.5	-70.9	762.7	736.6	26.12	29.206	
6,050.0	5,992.3	6,095.7	6,065.8	19.3	6.9	-65.58	431.7	-68.1	760.0	733.8	26.14	29.074	
6,075.0	6,017.3	6,118.7	6,088.8	19.3	6.9	-65.55	431.0	-65.6	757.2	731.0	26.16	28.948	
6,100.0	6,042.3	6,141.1	6,110.9	19.3	6.9	-65.52	430.4	-63.2	754.5	728.3	26.17	28.829	
6,125.0	6,067.3	6,164.8	6,134.5	19.3	6.9	-65.48	429.7	-60.7	751.8	725.6	26.19	28.705	
6,150.0	6,092.3	6,187.7	6,157.3	19.3	7.0	-65.46	429.1	-58.4	749.2	723.0	26.21	28.583	
6,175.0	6,117.3	6,209.6	6,179.1	19.3	7.0	-65.43	428.4	-56.3	746.7	720.5	26.23	28.468	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
6,200.0	6,142.3	6,231.6	6,201.0	19.4	7.0	-65.41	427.8	-54.2	744.3	718.0	26.25	28.356	
6,225.0	6,167.3	6,254.0	6,223.2	19.4	7.0	-65.39	427.2	-52.2	741.9	715.7	26.27	28.246	
6,250.0	6,192.3	6,278.5	6,247.7	19.4	7.1	-65.36	426.6	-50.0	739.6	713.4	26.29	28.133	
6,275.0	6,217.3	6,302.6	6,271.7	19.4	7.1	-65.33	426.0	-47.9	737.4	711.1	26.31	28.022	
6,300.0	6,242.3	6,331.1	6,300.1	19.4	7.1	-65.29	425.4	-45.3	735.1	708.7	26.35	27.899	
6,325.0	6,267.3	6,369.8	6,338.5	19.4	7.2	-65.21	424.6	-41.1	732.4	706.0	26.40	27.739	
6,350.0	6,292.3	6,405.7	6,374.1	19.4	7.2	-65.11	423.8	-36.5	729.2	702.8	26.44	27.576	
6,375.0	6,317.3	6,430.8	6,399.0	19.4	7.2	-65.03	423.4	-33.2	726.0	699.5	26.46	27.434	
6,400.0	6,342.3	6,453.8	6,421.8	19.4	7.3	-64.96	422.9	-30.1	722.8	696.3	26.48	27.298	
6,425.0	6,367.3	6,475.0	6,442.8	19.4	7.3	-64.90	422.5	-27.4	719.7	693.2	26.49	27.167	
6,450.0	6,392.3	6,497.8	6,465.4	19.5	7.3	-64.84	422.0	-24.6	716.7	690.2	26.51	27.037	
6,475.0	6,417.3	6,521.5	6,489.0	19.5	7.3	-64.78	421.5	-21.8	713.7	687.2	26.53	26.907	
6,500.0	6,442.3	6,541.9	6,509.3	19.5	7.4	-64.74	421.0	-19.4	710.9	684.3	26.54	26.786	
6,525.0	6,467.3	6,561.7	6,528.8	19.5	7.4	-64.70	420.5	-17.3	708.2	681.6	26.55	26.674	
6,550.0	6,492.3	6,581.8	6,548.9	19.5	7.4	-64.67	419.9	-15.3	705.7	679.1	26.56	26.567	
6,575.0	6,517.3	6,603.0	6,570.0	19.5	7.4	-64.64	419.4	-13.3	703.3	676.7	26.58	26.463	
6,600.0	6,542.3	6,625.0	6,591.9	19.5	7.5	-64.61	418.9	-11.4	701.1	674.5	26.59	26.362	
6,625.0	6,567.3	6,643.2	6,610.0	19.5	7.5	-64.59	418.6	-9.9	699.0	672.4	26.60	26.278	
6,650.0	6,592.3	6,663.6	6,630.3	19.5	7.5	-64.56	418.2	-8.4	697.1	670.5	26.61	26.196	
6,675.0	6,617.3	6,684.5	6,651.2	19.6	7.5	-64.53	417.9	-7.0	695.4	668.8	26.62	26.119	
6,700.0	6,642.3	6,705.5	6,672.2	19.6	7.6	-64.50	417.7	-5.6	693.8	667.2	26.64	26.048	
6,725.0	6,667.3	6,728.6	6,695.2	19.6	7.6	-64.46	417.5	-4.2	692.4	665.7	26.66	25.974	
6,750.0	6,692.3	6,760.7	6,727.3	19.6	7.6	-64.40	417.3	-2.1	690.9	664.2	26.70	25.873	
6,775.0	6,717.3	6,797.2	6,763.6	19.6	7.7	-64.28	417.4	1.1	688.9	662.1	26.75	25.749	
6,800.0	6,742.3	6,820.1	6,788.4	19.6	7.7	-64.18	417.6	3.3	686.8	660.0	26.76	25.662	
6,825.0	6,767.3	6,840.7	6,806.9	19.6	7.7	-64.09	417.9	5.3	684.8	658.1	26.77	25.586	
6,850.0	6,792.3	6,860.0	6,826.2	19.6	7.7	-64.01	418.2	7.0	683.0	656.3	26.76	25.521	
6,875.0	6,817.3	6,880.2	6,846.2	19.6	7.8	-63.92	418.5	8.5	681.5	654.7	26.76	25.462	
6,900.0	6,842.3	6,907.7	6,873.7	19.6	7.8	-63.80	419.0	10.7	679.9	653.1	26.79	25.384	
6,925.0	6,867.3	6,947.9	6,913.7	19.7	7.8	-63.59	420.0	14.4	678.2	651.3	26.83	25.272	
6,950.0	6,892.3	6,974.9	6,940.5	19.7	7.9	-63.43	420.6	17.3	675.9	649.1	26.85	25.179	
6,975.0	6,917.3	6,998.2	6,963.6	19.7	7.9	-63.29	421.2	19.9	673.7	646.9	26.85	25.094	
7,000.0	6,942.3	7,018.2	6,983.5	19.7	7.9	-63.16	421.8	22.1	671.7	644.8	26.84	25.020	
7,025.0	6,967.3	7,037.2	7,002.5	19.7	7.9	-63.05	422.3	24.0	669.8	643.0	26.84	24.957	
7,050.0	6,992.3	7,056.3	7,021.4	19.7	7.9	-62.94	422.9	25.6	668.1	641.3	26.83	24.902	
7,075.0	7,017.3	7,075.0	7,040.1	19.7	8.0	-62.83	423.5	27.2	666.7	639.9	26.82	24.856	
7,100.0	7,042.3	7,098.1	7,063.2	19.7	8.0	-62.71	424.2	28.9	665.4	638.6	26.83	24.803	
7,125.0	7,067.3	7,125.3	7,090.3	19.7	8.0	-62.58	424.9	30.8	664.1	637.3	26.85	24.740	
7,150.0	7,092.3	7,178.3	7,142.9	19.8	8.1	-62.29	426.1	35.9	662.1	635.2	26.93	24.592	
7,175.0	7,117.3	7,202.8	7,167.3	19.8	8.1	-62.13	426.5	38.8	659.8	632.8	26.93	24.498	
7,200.0	7,142.3	7,225.0	7,189.4	19.8	8.1	-61.99	427.0	41.4	657.5	630.5	26.93	24.411	
7,225.0	7,167.3	7,242.2	7,206.5	19.8	8.1	-61.89	427.4	43.2	655.4	628.5	26.92	24.343	
7,250.0	7,192.3	7,261.0	7,225.1	19.8	8.2	-61.77	427.9	45.0	653.6	626.6	26.91	24.282	
7,275.0	7,217.3	7,283.3	7,247.3	19.8	8.2	-61.63	428.6	47.0	651.9	625.0	26.92	24.221	
7,300.0	7,242.3	7,309.0	7,272.9	19.8	8.2	-61.48	429.3	49.4	650.3	623.3	26.93	24.151	
7,325.0	7,267.3	7,331.9	7,295.7	19.8	8.2	-61.33	430.1	51.4	648.7	621.8	26.93	24.091	
7,350.0	7,292.3	7,357.3	7,321.1	19.8	8.3	-61.17	430.9	53.7	647.1	620.2	26.93	24.027	
7,375.0	7,317.3	7,394.6	7,358.2	19.9	8.3	-60.94	431.9	57.4	645.3	618.3	26.97	23.923	
7,400.0	7,342.3	7,439.8	7,402.9	19.9	8.4	-60.67	432.2	62.9	642.5	615.5	27.03	23.771	
7,425.0	7,367.3	7,463.4	7,426.3	19.9	8.4	-60.53	432.3	66.0	639.7	612.7	27.04	23.660	
7,450.0	7,392.3	7,484.9	7,447.7	19.9	8.4	-60.40	432.3	68.7	637.0	610.0	27.04	23.557	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,475.0	7,417.3	7,506.8	7,469.5	19.9	8.5	-60.28	432.4	71.3	634.4	607.4	27.05	23.457	
7,500.0	7,442.3	7,530.0	7,492.5	19.9	8.5	-60.16	432.4	74.0	631.9	604.9	27.05	23.358	
7,525.0	7,467.3	7,555.0	7,517.3	19.9	8.5	-60.02	432.5	76.9	629.5	602.4	27.07	23.257	
7,550.0	7,492.3	7,589.9	7,551.9	19.9	8.5	-59.85	432.3	81.0	626.9	599.8	27.11	23.125	
7,575.0	7,517.3	7,617.8	7,579.7	19.9	8.6	-59.76	431.4	84.4	623.9	596.7	27.14	22.989	
7,600.0	7,542.3	7,640.1	7,601.8	20.0	8.6	-59.69	430.8	87.0	620.9	593.8	27.15	22.868	
7,625.0	7,567.3	7,660.9	7,622.5	20.0	8.6	-59.63	430.2	89.3	618.1	591.0	27.17	22.755	
7,650.0	7,592.3	7,681.8	7,643.3	20.0	8.7	-59.58	429.5	91.5	615.5	588.3	27.18	22.648	
7,675.0	7,617.3	7,703.8	7,665.1	20.0	8.7	-59.53	428.9	93.7	613.0	585.8	27.19	22.541	
7,700.0	7,642.3	7,725.0	7,686.2	20.0	8.7	-59.49	428.2	95.6	610.7	583.5	27.21	22.443	
7,725.0	7,667.3	7,746.3	7,707.5	20.0	8.7	-59.46	427.6	97.4	608.5	581.3	27.23	22.349	
7,750.0	7,692.3	7,772.6	7,733.6	20.0	8.8	-59.41	426.9	99.6	606.3	579.1	27.26	22.243	
7,775.0	7,717.3	7,795.3	7,756.3	20.0	8.8	-59.37	426.2	101.5	604.2	576.9	27.28	22.146	
7,800.0	7,742.3	7,819.8	7,780.6	20.0	8.8	-59.33	425.5	103.4	602.1	574.8	27.31	22.048	
7,825.0	7,767.3	7,842.4	7,803.2	20.1	8.9	-59.30	424.9	105.2	600.0	572.7	27.33	21.956	
7,850.0	7,792.3	7,864.3	7,825.0	20.1	8.9	-59.27	424.3	106.8	598.1	570.7	27.35	21.870	
7,875.0	7,817.3	7,886.3	7,846.9	20.1	8.9	-59.24	423.8	108.4	596.3	568.9	27.37	21.789	
7,900.0	7,842.3	7,909.3	7,869.9	20.1	8.9	-59.21	423.2	109.9	594.6	567.2	27.39	21.708	
7,925.0	7,867.3	7,935.1	7,895.6	20.1	9.0	-59.19	422.5	111.4	592.9	565.5	27.43	21.619	
7,950.0	7,892.3	7,967.1	7,927.6	20.1	9.0	-59.15	421.6	113.6	591.1	563.6	27.48	21.509	
7,975.0	7,917.3	8,004.9	7,965.2	20.1	9.0	-59.05	420.8	117.1	588.8	561.3	27.55	21.374	
8,000.0	7,942.3	8,033.1	7,993.2	20.1	9.1	-58.94	420.2	120.2	586.2	558.6	27.58	21.254	
8,025.0	7,967.3	8,058.7	8,018.6	20.1	9.1	-58.85	419.6	123.1	583.5	555.9	27.60	21.138	
8,050.0	7,992.3	8,083.6	8,043.3	20.2	9.1	-58.75	419.0	125.9	580.8	553.2	27.63	21.023	
8,075.0	8,017.3	8,106.9	8,066.5	20.2	9.2	-58.66	418.5	128.5	578.1	550.5	27.64	20.913	
8,100.0	8,042.3	8,130.1	8,089.5	20.2	9.2	-58.58	417.9	131.0	575.5	547.8	27.66	20.807	
8,125.0	8,067.3	8,153.7	8,113.0	20.2	9.2	-58.50	417.4	133.5	572.9	545.3	27.68	20.701	
8,150.0	8,092.3	8,178.1	8,137.3	20.2	9.3	-58.41	416.8	136.0	570.4	542.7	27.70	20.594	
8,175.0	8,117.3	8,200.0	8,159.1	20.2	9.3	-58.33	416.3	138.2	568.0	540.3	27.71	20.497	
8,200.0	8,142.3	8,223.2	8,182.2	20.2	9.3	-58.25	415.9	140.5	565.7	537.9	27.73	20.400	
8,225.0	8,167.3	8,248.9	8,207.7	20.2	9.3	-58.15	415.5	143.1	563.3	535.6	27.75	20.299	
8,250.0	8,192.3	8,278.5	8,237.2	20.2	9.4	-57.98	415.3	146.4	560.9	533.1	27.78	20.190	
8,275.0	8,217.3	8,304.3	8,262.7	20.3	9.4	-57.80	415.4	149.5	558.4	530.6	27.79	20.090	
8,300.0	8,242.3	8,329.4	8,287.6	20.3	9.4	-57.62	415.6	152.7	555.8	528.0	27.80	19.990	
8,325.0	8,267.3	8,351.7	8,309.8	20.3	9.5	-57.45	415.7	155.4	553.2	525.4	27.80	19.899	
8,350.0	8,292.3	8,375.0	8,332.9	20.3	9.5	-57.28	415.9	158.2	550.8	523.0	27.81	19.810	
8,375.0	8,317.3	8,397.5	8,355.3	20.3	9.5	-57.11	416.1	160.8	548.5	520.7	27.81	19.726	
8,400.0	8,342.3	8,421.8	8,379.3	20.3	9.6	-56.93	416.3	163.6	546.2	518.4	27.81	19.640	
8,425.0	8,367.3	8,452.3	8,409.6	20.3	9.6	-56.70	416.6	167.2	543.9	516.1	27.84	19.539	
8,450.0	8,392.3	8,487.2	8,444.2	20.3	9.6	-56.43	416.6	171.8	541.1	513.2	27.87	19.412	
8,475.0	8,417.3	8,511.2	8,468.0	20.3	9.7	-56.23	416.6	175.2	538.1	510.2	27.88	19.303	
8,500.0	8,442.3	8,531.9	8,488.6	20.4	9.7	-56.06	416.6	178.0	535.3	507.4	27.87	19.206	
8,525.0	8,467.3	8,550.0	8,506.5	20.4	9.7	-55.92	416.6	180.3	532.7	504.8	27.86	19.121	
8,550.0	8,492.3	8,571.1	8,527.5	20.4	9.7	-55.77	416.6	182.8	530.3	502.5	27.86	19.038	
8,575.0	8,517.3	8,592.0	8,548.2	20.4	9.8	-55.64	416.6	184.9	528.2	500.4	27.86	18.962	
8,600.0	8,542.3	8,617.0	8,573.2	20.4	9.8	-55.50	416.5	187.3	526.2	498.3	27.87	18.879	
8,625.0	8,567.3	8,647.9	8,603.9	20.4	9.8	-55.35	416.2	190.3	524.1	496.1	27.91	18.775	
8,650.0	8,592.3	8,676.5	8,632.3	20.4	9.9	-55.22	415.6	193.2	521.6	493.7	27.95	18.666	
8,675.0	8,617.3	8,697.3	8,653.0	20.4	9.9	-55.12	415.2	195.3	519.3	491.3	27.95	18.577	
8,700.0	8,642.3	8,720.2	8,675.8	20.5	9.9	-55.02	414.8	197.5	517.0	489.0	27.96	18.488	
8,725.0	8,667.3	8,742.9	8,698.4	20.5	10.0	-54.91	414.4	199.7	514.9	486.9	27.98	18.403	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,750.0	8,692.3	8,766.0	8,721.4	20.5	10.0	-54.81	414.1	201.7	512.8	484.8	27.99	18.320	
8,775.0	8,717.3	8,790.8	8,746.1	20.5	10.0	-54.71	413.7	203.9	510.8	482.8	28.01	18.235	
8,800.0	8,742.3	8,821.8	8,777.0	20.5	10.1	-54.57	413.2	206.7	508.7	480.7	28.06	18.132	
8,825.0	8,767.3	8,864.5	8,819.3	20.5	10.1	-54.36	412.0	211.6	506.0	477.9	28.15	17.977	
8,850.0	8,792.3	8,895.0	8,849.6	20.5	10.1	-54.21	410.6	215.7	502.6	474.4	28.19	17.827	
8,875.0	8,817.3	8,919.6	8,873.9	20.5	10.2	-54.10	409.4	219.0	499.2	471.0	28.22	17.691	
8,900.0	8,842.3	8,943.4	8,897.5	20.5	10.2	-53.99	408.3	222.1	495.8	467.5	28.23	17.559	
8,925.0	8,867.3	8,967.1	8,920.9	20.6	10.2	-53.88	407.2	225.3	492.4	464.2	28.25	17.430	
8,950.0	8,892.3	8,989.3	8,943.0	20.6	10.3	-53.79	406.1	228.1	489.1	460.9	28.26	17.307	
8,975.0	8,917.3	9,010.5	8,963.9	20.6	10.3	-53.70	405.1	230.7	486.0	457.8	28.27	17.192	
9,000.0	8,942.3	9,032.4	8,985.7	20.6	10.3	-53.62	404.1	233.1	483.1	454.8	28.28	17.082	
9,025.0	8,967.3	9,057.4	9,010.5	20.6	10.3	-53.54	403.0	235.8	480.2	451.9	28.31	16.964	
9,050.0	8,992.3	9,081.1	9,034.1	20.6	10.4	-53.46	401.9	238.4	477.4	449.0	28.33	16.850	
9,075.0	9,017.3	9,101.0	9,053.8	20.6	10.4	-53.39	401.1	240.4	474.8	446.4	28.33	16.760	
9,100.0	9,042.3	9,119.4	9,072.1	20.6	10.4	-53.34	400.5	242.0	472.5	444.2	28.31	16.687	
9,125.0	9,067.3	9,142.7	9,095.4	20.7	10.4	-53.28	399.7	243.9	470.3	442.0	28.31	16.610	
9,150.0	9,092.3	9,168.0	9,120.6	20.7	10.4	-53.22	398.8	245.9	468.2	439.9	28.32	16.532	
9,175.0	9,117.3	9,190.3	9,142.8	20.7	10.4	-53.18	398.0	247.6	466.2	437.9	28.32	16.459	
9,179.3	9,121.5	9,194.4	9,146.9	20.7	10.4	-53.17	397.9	247.9	465.8	437.5	28.32	16.447	
9,200.0	9,142.3	9,214.5	9,166.9	20.7	10.4	-53.29	397.1	249.3	463.9	435.5	28.37	16.350	
9,225.0	9,167.2	9,238.7	9,191.0	20.7	10.4	-53.71	396.3	251.0	460.9	432.5	28.40	16.228	
9,250.0	9,192.0	9,438.2	9,381.1	20.7	10.6	-60.04	352.2	279.6	455.7	425.5	30.28	15.051	
9,275.0	9,216.6	9,537.9	9,463.5	20.7	10.7	-68.54	305.4	310.1	440.2	408.5	31.70	13.889	
9,300.0	9,241.0	9,567.2	9,485.8	20.7	10.7	-73.93	289.6	320.5	423.5	391.4	32.09	13.195	
9,325.0	9,265.0	9,589.5	9,502.4	20.7	10.8	-79.34	277.1	328.6	406.4	374.0	32.41	12.538	
9,350.0	9,288.7	9,604.4	9,513.3	20.7	10.8	-84.23	268.6	334.1	389.3	356.7	32.64	11.926	
9,375.0	9,311.8	9,615.8	9,521.6	20.7	10.8	-88.75	261.8	338.1	372.6	339.8	32.85	11.345	
9,400.0	9,334.5	9,625.5	9,528.5	20.7	10.8	-92.97	255.9	341.5	356.6	323.6	33.04	10.793	
9,425.0	9,356.6	9,633.6	9,534.3	20.7	10.8	-96.76	250.9	344.2	341.5	308.2	33.22	10.278	
9,450.0	9,378.0	9,642.0	9,540.2	20.7	10.8	-100.39	245.6	346.9	327.5	294.1	33.42	9.800	
9,475.0	9,398.7	9,646.2	9,543.2	20.7	10.8	-102.94	242.9	348.3	314.9	281.4	33.53	9.392	
9,500.0	9,418.7	9,651.0	9,546.5	20.7	10.8	-105.30	239.9	349.8	304.1	270.5	33.64	9.040	
9,525.0	9,437.9	9,654.1	9,548.7	20.7	10.8	-107.02	237.8	350.8	295.3	261.6	33.69	8.765	
9,550.0	9,456.1	9,655.8	9,549.8	20.7	10.9	-108.14	236.7	351.3	288.8	255.1	33.67	8.575	
9,575.0	9,473.5	9,656.2	9,550.1	20.7	10.9	-108.69	236.5	351.5	284.6	251.1	33.59	8.475	
9,600.0	9,489.9	9,655.3	9,549.5	20.7	10.9	-108.69	237.1	351.2	283.1	249.7	33.43	8.469 ES, SF	
9,602.1	9,491.2	9,655.2	9,549.4	20.7	10.9	-108.67	237.1	351.2	283.1	249.7	33.41	8.472 CC	
9,625.0	9,505.3	9,653.4	9,548.1	20.8	10.8	-108.17	238.3	350.6	284.2	251.0	33.21	8.557	
9,650.0	9,519.6	9,650.4	9,546.1	20.8	10.8	-107.15	240.3	349.6	287.8	254.9	32.95	8.737	
9,675.0	9,532.9	9,646.5	9,543.4	20.8	10.8	-105.66	242.7	348.4	293.9	261.2	32.65	9.002	
9,700.0	9,545.0	9,642.0	9,540.2	20.8	10.8	-103.75	245.6	346.9	302.2	269.8	32.33	9.345	
9,725.0	9,556.0	9,642.0	9,540.2	20.8	10.8	-102.42	245.6	346.9	312.5	280.5	31.98	9.769	
9,750.0	9,565.8	9,632.3	9,533.4	20.8	10.8	-98.94	251.7	343.7	324.4	292.7	31.70	10.233	
9,775.0	9,574.3	9,626.8	9,529.4	20.9	10.8	-95.99	255.1	341.9	337.8	306.4	31.40	10.760	
9,800.0	9,581.6	9,620.8	9,525.1	20.9	10.8	-92.73	258.8	339.8	352.5	321.4	31.11	11.331	
9,825.0	9,587.7	9,614.3	9,520.5	20.9	10.8	-89.21	262.7	337.6	368.2	337.3	30.84	11.938	
9,850.0	9,592.4	9,607.5	9,515.6	20.9	10.8	-85.47	266.7	335.2	384.6	354.0	30.59	12.574	
9,875.0	9,595.9	9,595.0	9,506.5	21.0	10.8	-80.84	274.0	330.7	401.8	371.3	30.42	13.206	
9,900.0	9,598.1	9,595.0	9,506.5	21.0	10.8	-77.97	274.0	330.7	419.2	389.1	30.11	13.921	
9,925.0	9,599.0	9,581.0	9,496.2	21.0	10.8	-73.31	281.9	325.6	436.9	407.0	29.99	14.570	
9,925.6	9,599.0	9,580.8	9,496.0	21.0	10.8	-73.22	282.0	325.5	437.4	407.4	29.99	14.585	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	Rule Assigned:		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)						
9,950.0	9,599.2	9,570.0	9,487.9	21.1	10.7	-72.01	288.0	321.5	454.9	425.1	29.84	15.244				
9,975.0	9,599.4	9,559.3	9,479.9	21.1	10.7	-70.83	293.9	317.7	473.2	443.5	29.70	15.932				
10,000.0	9,599.6	9,547.0	9,470.5	21.1	10.7	-69.52	300.5	313.3	491.8	462.2	29.59	16.620				
10,025.0	9,599.8	9,538.4	9,463.9	21.2	10.7	-68.63	305.1	310.3	510.7	481.2	29.45	17.340				
10,050.0	9,600.0	9,528.1	9,455.8	21.2	10.7	-67.58	310.5	306.7	529.8	500.5	29.34	18.057				
10,075.0	9,600.2	9,518.3	9,448.0	21.3	10.7	-66.58	315.5	303.4	549.2	519.9	29.23	18.786				
10,100.0	9,600.3	9,508.7	9,440.4	21.3	10.7	-65.64	320.3	300.2	568.8	539.6	29.13	19.526				
10,125.0	9,600.5	9,500.0	9,433.4	21.4	10.7	-64.79	324.6	297.4	588.6	559.5	29.03	20.277				
10,150.0	9,600.7	9,491.4	9,426.4	21.5	10.6	-63.96	328.8	294.7	608.6	579.7	28.93	21.037				
10,175.0	9,600.9	9,483.6	9,419.9	21.5	10.6	-63.22	332.5	292.3	628.8	600.0	28.83	21.810				
10,200.0	9,601.1	9,476.1	9,413.7	21.6	10.6	-62.51	336.0	290.0	649.2	620.5	28.74	22.592				
10,225.0	9,601.3	9,468.9	9,407.7	21.6	10.6	-61.84	339.2	287.9	669.8	641.2	28.65	23.382				
10,250.0	9,601.5	9,462.0	9,401.8	21.7	10.6	-61.20	342.3	285.9	690.6	662.0	28.56	24.180				
10,275.0	9,601.7	9,452.0	9,393.2	21.8	10.6	-60.28	346.7	283.1	711.6	683.1	28.51	24.959				
10,300.0	9,601.9	9,452.0	9,393.2	21.8	10.6	-60.28	346.7	283.1	732.7	704.3	28.37	25.826				
10,325.0	9,602.1	9,442.3	9,384.9	21.9	10.6	-59.41	350.8	280.5	753.9	725.6	28.33	26.615				
10,350.0	9,602.3	9,436.1	9,379.4	22.0	10.6	-58.85	353.4	278.8	775.3	747.1	28.26	27.437				
10,375.0	9,602.5	9,430.1	9,374.2	22.1	10.6	-58.32	355.8	277.3	796.8	768.6	28.19	28.265				
10,400.0	9,602.7	9,424.3	9,369.0	22.1	10.6	-57.81	358.1	275.9	818.5	790.4	28.13	29.100				
10,425.0	9,602.9	9,418.7	9,364.1	22.2	10.6	-57.32	360.3	274.5	840.3	812.2	28.07	29.938				
10,450.0	9,603.1	9,406.0	9,352.7	22.3	10.5	-56.23	365.1	271.5	862.2	834.1	28.07	30.720				
10,475.0	9,603.3	9,406.0	9,352.7	22.4	10.5	-56.23	365.1	271.5	884.1	856.2	27.97	31.612				
10,500.0	9,603.4	9,406.0	9,352.7	22.5	10.5	-56.23	365.1	271.5	906.2	878.4	27.88	32.510				
10,525.0	9,603.6	9,406.0	9,352.7	22.6	10.5	-56.23	365.1	271.5	928.5	900.7	27.79	33.411				
10,550.0	9,603.8	9,406.0	9,352.7	22.6	10.5	-56.23	365.1	271.5	950.9	923.2	27.71	34.316				
10,575.0	9,604.0	9,406.0	9,352.7	22.7	10.5	-56.23	365.1	271.5	973.4	945.8	27.63	35.226				
10,600.0	9,604.2	9,389.9	9,338.1	22.8	10.5	-54.87	370.9	268.0	995.7	968.0	27.67	35.980				

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	-48.73	501.4	-571.3	760.2						
25.0	25.0	13.9	13.9	0.5	3.0	-48.73	501.4	-571.3	760.1						
50.0	50.0	38.8	38.8	0.5	3.0	-48.73	501.3	-571.4	760.1	755.4	4.72	160.882			
75.0	75.0	63.6	63.6	0.5	3.0	-48.75	501.2	-571.5	760.1	755.4	4.72	160.883			
100.0	100.0	88.4	88.4	0.5	3.0	-48.76	501.1	-571.6	760.2	755.4	4.72	160.884			
125.0	125.0	113.4	113.4	0.6	3.0	-48.78	500.9	-571.8	760.2	755.4	4.76	159.766			
150.0	150.0	138.2	138.2	0.8	3.0	-48.80	500.7	-572.0	760.2	755.4	4.80	158.429			
175.0	175.0	163.3	163.3	0.9	3.0	-48.83	500.5	-572.2	760.2	755.4	4.85	156.894			
200.0	200.0	188.5	188.5	1.0	3.0	-48.85	500.3	-572.4	760.2	755.3	4.90	155.177			
225.0	225.0	213.6	213.6	1.1	3.0	-48.87	500.0	-572.7	760.3	755.3	4.94	153.955			
250.0	250.0	238.4	238.4	1.2	3.0	-48.90	499.8	-572.9	760.3	755.3	4.98	152.668			
275.0	275.0	264.1	264.1	1.3	3.0	-48.93	499.5	-573.2	760.3	755.3	5.02	151.322			
300.0	300.0	289.8	289.8	1.4	3.0	-48.96	499.1	-573.5	760.3	755.2	5.07	149.915			
325.0	325.0	315.8	315.8	1.4	3.0	-48.99	498.8	-573.7	760.2	755.1	5.11	148.731			
350.0	350.0	341.9	341.9	1.5	3.0	-49.02	498.5	-573.9	760.2	755.0	5.15	147.510			
375.0	375.0	367.3	367.3	1.6	3.0	-49.05	498.1	-574.0	760.0	754.9	5.20	146.260			
400.0	400.0	391.7	391.7	1.6	3.0	-49.08	497.8	-574.2	759.9	754.7	5.24	144.988			
425.0	425.0	416.6	416.5	1.7	3.0	-49.11	497.5	-574.4	759.9	754.6	5.28	143.864			
450.0	450.0	441.3	441.3	1.8	3.0	-49.14	497.1	-574.6	759.8	754.5	5.32	142.726			
475.0	475.0	466.0	465.9	1.8	3.0	-49.17	496.7	-574.8	759.7	754.3	5.37	141.580			
500.0	500.0	490.8	490.8	1.9	3.1	-49.20	496.4	-575.0	759.7	754.2	5.41	140.425			
525.0	525.0	516.0	516.0	1.9	3.1	-49.23	496.0	-575.2	759.6	754.1	5.45	139.372			
550.0	550.0	541.0	541.0	2.0	3.1	-49.26	495.7	-575.4	759.5	754.0	5.49	138.312			
575.0	575.0	565.1	565.1	2.1	3.1	-49.29	495.4	-575.7	759.5	753.9	5.53	137.253			
593.0	593.0	582.1	582.0	2.1	3.1	-49.31	495.2	-575.8	759.5	753.9	5.56	136.494			
600.0	600.0	588.6	588.5	2.1	3.1	-49.31	495.1	-575.9	759.5	753.9	5.58	136.201			
625.0	625.0	612.3	612.3	2.2	3.1	-49.34	494.8	-576.2	759.5	753.9	5.62	135.236			
650.0	650.0	635.4	635.3	2.2	3.1	-49.38	494.5	-576.5	759.6	753.9	5.66	134.280			
675.0	675.0	658.2	658.1	2.3	3.1	-49.41	494.3	-576.9	759.7	754.0	5.70	133.340			
700.0	700.0	682.5	682.5	2.3	3.1	-49.45	494.1	-577.4	759.9	754.2	5.74	132.401			
725.0	725.0	707.1	707.0	2.4	3.1	-49.48	493.8	-577.9	760.2	754.4	5.78	131.527			
750.0	750.0	732.2	732.1	2.4	3.1	-49.52	493.6	-578.4	760.4	754.6	5.82	130.649			
775.0	775.0	756.3	756.2	2.5	3.1	-49.56	493.3	-578.9	760.6	754.8	5.86	129.776			
800.0	800.0	781.1	781.0	2.5	3.1	-49.60	493.2	-579.4	760.9	755.0	5.90	128.907			
825.0	825.0	808.5	808.4	2.6	3.1	-49.62	493.1	-579.8	761.1	755.2	5.94	128.065			
850.0	850.0	836.4	836.3	2.6	3.2	-49.63	493.0	-580.0	761.3	755.3	5.98	127.208			
875.0	875.0	868.1	868.0	2.6	3.2	-49.63	493.1	-580.0	761.3	755.2	6.03	126.323			
900.0	900.0	897.1	896.9	2.7	3.2	-49.59	493.3	-579.5	761.1	755.0	6.07	125.426			
925.0	925.0	921.9	921.8	2.7	3.1	-49.55	493.6	-578.9	760.8	754.7	6.11	124.570			
950.0	950.0	946.2	946.1	2.8	3.1	-49.51	493.8	-578.4	760.6	754.4	6.15	123.721			
975.0	975.0	970.9	970.8	2.8	3.1	-49.47	494.1	-577.9	760.3	754.1	6.19	122.876			
1,000.0	1,000.0	994.8	994.7	2.9	3.1	-49.43	494.3	-577.4	760.1	753.9	6.23	122.039			
1,025.0	1,025.0	1,020.0	1,019.8	2.9	3.1	-49.40	494.6	-576.9	759.9	753.7	6.27	121.237			
1,050.0	1,050.0	1,044.8	1,044.7	3.0	3.1	-49.36	494.8	-576.5	759.7	753.4	6.31	120.439			
1,075.0	1,075.0	1,068.7	1,068.5	3.0	3.1	-49.33	495.0	-576.1	759.6	753.2	6.35	119.650			
1,100.0	1,100.0	1,093.5	1,093.4	3.0	3.1	-49.31	495.1	-575.8	759.4	753.0	6.39	118.866			
1,125.0	1,125.0	1,118.3	1,118.1	3.1	3.1	-49.29	495.2	-575.5	759.3	752.9	6.43	118.112			
1,150.0	1,150.0	1,140.4	1,140.2	3.1	3.1	-49.27	495.3	-575.3	759.2	752.7	6.47	117.378			
1,175.0	1,175.0	1,165.4	1,165.2	3.2	3.1	-49.26	495.4	-575.2	759.2	752.7	6.51	116.653			
1,200.0	1,200.0	1,191.6	1,191.5	3.2	3.1	-49.25	495.5	-575.0	759.1	752.6	6.55	115.918			
1,225.0	1,225.0	1,216.8	1,216.7	3.2	3.1	-49.24	495.6	-574.9	759.0	752.4	6.59	115.209			

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,250.0	1,250.0	1,242.7	1,242.6	3.3	3.1	-49.23	495.6	-574.7	758.9	752.3	6.63	114.496	
1,275.0	1,275.0	1,266.6	1,266.4	3.3	3.1	-49.22	495.6	-574.6	758.8	752.1	6.67	113.790	
1,300.0	1,300.0	1,289.3	1,289.1	3.4	3.1	-49.22	495.6	-574.5	758.8	752.1	6.71	113.110	
1,301.5	1,301.5	1,290.7	1,290.5	3.4	3.1	-49.22	495.6	-574.5	758.8	752.1	6.71	113.069 CC	
1,325.0	1,325.0	1,312.0	1,311.8	3.4	3.1	-49.21	495.7	-574.5	758.8	752.1	6.75	112.473	
1,350.0	1,350.0	1,334.6	1,334.4	3.4	3.1	-49.21	495.8	-574.6	758.9	752.1	6.78	111.856	
1,375.0	1,375.0	1,357.7	1,357.5	3.5	3.2	-49.21	495.9	-574.7	759.1	752.3	6.82	111.252	
1,400.0	1,400.0	1,381.5	1,381.4	3.5	3.2	-49.22	495.9	-575.0	759.3	752.5	6.86	110.652	
1,425.0	1,425.0	1,405.3	1,405.2	3.6	3.2	-49.23	496.0	-575.3	759.6	752.7	6.90	110.077	
1,450.0	1,450.0	1,430.7	1,430.5	3.6	3.2	-49.25	496.0	-575.6	759.9	753.0	6.94	109.498	
1,475.0	1,475.0	1,456.2	1,456.0	3.6	3.2	-49.27	496.0	-576.0	760.2	753.2	6.98	108.918	
1,500.0	1,500.0	1,481.2	1,481.1	3.7	3.2	-49.29	495.9	-576.4	760.4	753.4	7.02	108.341	
1,525.0	1,525.0	1,507.3	1,507.2	3.7	3.2	-49.31	495.9	-576.7	760.7	753.6	7.06	107.774	
1,550.0	1,550.0	1,536.4	1,536.3	3.8	3.2	-49.30	496.2	-576.8	760.8	753.7	7.10	107.183	
1,575.0	1,575.0	1,563.4	1,563.2	3.8	3.2	-49.25	496.6	-576.4	760.9	753.7	7.14	106.588	
1,600.0	1,600.0	1,587.5	1,587.3	3.8	3.2	-49.21	497.1	-576.1	760.9	753.7	7.18	106.007	
1,625.0	1,625.0	1,611.9	1,611.7	3.9	3.2	-49.16	497.6	-575.7	761.0	753.8	7.22	105.445	
1,650.0	1,650.0	1,636.8	1,636.6	3.9	3.2	-49.12	498.1	-575.4	761.1	753.8	7.26	104.886	
1,675.0	1,675.0	1,660.7	1,660.5	3.9	3.2	-49.07	498.6	-575.1	761.2	753.9	7.30	104.335	
1,700.0	1,700.0	1,684.7	1,684.5	4.0	3.2	-49.04	499.1	-574.9	761.3	754.0	7.33	103.794	
1,725.0	1,725.0	1,709.5	1,709.2	4.0	3.2	-49.01	499.5	-574.7	761.4	754.1	7.37	103.264	
1,750.0	1,750.0	1,733.7	1,733.5	4.1	3.2	-48.98	499.9	-574.6	761.6	754.2	7.41	102.743	
1,775.0	1,775.0	1,758.7	1,758.4	4.1	3.2	-48.96	500.2	-574.5	761.8	754.3	7.45	102.221	
1,800.0	1,800.0	1,782.8	1,782.5	4.1	3.2	-48.94	500.5	-574.5	762.0	754.5	7.49	101.706	
1,825.0	1,825.0	1,806.2	1,806.0	4.2	3.2	-48.92	500.8	-574.5	762.2	754.7	7.53	101.211	
1,850.0	1,850.0	1,830.3	1,830.0	4.2	3.3	-48.91	501.1	-574.6	762.5	754.9	7.57	100.720	
1,875.0	1,875.0	1,853.9	1,853.7	4.2	3.3	-48.90	501.4	-574.8	762.8	755.2	7.61	100.234	
1,900.0	1,900.0	1,876.7	1,876.4	4.3	3.3	-48.89	501.7	-575.0	763.2	755.5	7.65	99.763	
1,925.0	1,925.0	1,900.5	1,900.2	4.3	3.3	-48.89	502.0	-575.2	763.6	755.9	7.69	99.302	
1,950.0	1,950.0	1,925.2	1,925.0	4.3	3.3	-48.88	502.4	-575.5	764.1	756.3	7.73	98.841	
1,975.0	1,975.0	1,951.1	1,950.8	4.4	3.3	-48.87	502.8	-575.8	764.5	756.8	7.77	98.375	
2,000.0	2,000.0	1,976.4	1,976.1	4.4	3.3	-48.86	503.2	-576.0	764.9	757.1	7.81	97.910	
2,025.0	2,025.0	2,005.1	2,004.8	4.4	3.3	-127.92	503.7	-576.1	765.4	757.5	7.87	97.291	
2,050.0	2,050.0	2,051.0	2,050.7	4.5	3.3	-127.86	504.6	-575.3	765.6	757.7	7.92	96.650	
2,075.0	2,075.0	2,097.0	2,096.6	4.5	3.3	-127.72	505.7	-572.4	765.1	757.1	7.97	96.013	
2,100.0	2,100.0	2,122.7	2,122.2	4.5	3.3	-127.64	506.3	-570.3	764.4	756.4	8.01	95.436	
2,125.0	2,125.0	2,147.0	2,146.4	4.6	3.4	-127.57	507.0	-568.3	764.0	755.9	8.08	94.584	
2,150.0	2,149.9	2,171.2	2,170.6	4.6	3.4	-127.50	507.7	-566.4	763.6	755.5	8.14	93.769	
2,175.0	2,174.9	2,196.9	2,196.2	4.7	3.4	-127.45	508.4	-564.3	763.5	755.3	8.21	92.985	
2,200.0	2,199.8	2,223.2	2,222.3	4.7	3.4	-127.41	509.1	-562.1	763.4	755.1	8.28	92.228	
2,225.0	2,224.8	2,257.0	2,256.0	4.7	3.4	-127.36	510.0	-559.1	763.3	754.9	8.35	91.457	
2,250.0	2,249.7	2,291.9	2,290.7	4.8	3.4	-127.31	510.8	-555.5	763.0	754.6	8.41	90.682	
2,275.0	2,274.6	2,327.1	2,325.7	4.8	3.4	-127.28	511.4	-551.5	762.5	754.0	8.48	89.903	
2,300.0	2,299.5	2,360.0	2,358.3	4.9	3.4	-127.25	511.8	-547.3	761.9	753.3	8.55	89.122	
2,325.0	2,324.3	2,392.6	2,390.6	4.9	3.4	-127.22	512.2	-542.7	761.1	752.5	8.62	88.300	
2,350.0	2,349.1	2,419.4	2,417.1	5.0	3.4	-127.21	512.4	-538.8	760.3	751.6	8.69	87.489	
2,375.0	2,373.9	2,443.0	2,440.4	5.1	3.4	-127.22	512.6	-535.3	759.6	750.8	8.76	86.702	
2,400.0	2,398.7	2,464.1	2,461.4	5.1	3.5	-127.24	512.8	-532.4	759.1	750.3	8.83	85.941	
2,425.0	2,423.4	2,483.5	2,480.5	5.2	3.5	-127.28	512.8	-529.9	758.9	750.0	8.91	85.194	
2,426.1	2,424.6	2,484.3	2,481.3	5.2	3.5	-127.28	512.8	-529.8	758.9	750.0	8.91	85.162 ES	
2,450.0	2,448.2	2,500.0	2,496.9	5.3	3.5	-127.33	512.8	-528.0	759.1	750.1	8.98	84.494	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,475.0	2,472.8	2,521.1	2,517.9	5.4	3.5	-127.41	512.8	-525.8	759.6	750.6	9.06	83.843	
2,500.0	2,497.5	2,541.3	2,538.0	5.4	3.5	-127.51	512.8	-523.8	760.4	751.3	9.14	83.232	
2,525.0	2,522.1	2,562.1	2,558.8	5.5	3.5	-127.62	512.9	-522.0	761.5	752.3	9.20	82.801	
2,550.0	2,546.6	2,583.3	2,579.9	5.6	3.5	-127.74	513.0	-520.2	762.9	753.7	9.26	82.401	
2,575.0	2,571.2	2,605.1	2,601.6	5.7	3.5	-127.87	513.2	-518.4	764.5	755.2	9.32	82.029	
2,600.0	2,595.6	2,628.0	2,624.5	5.7	3.5	-128.04	513.4	-516.6	766.3	756.9	9.36	81.842	
2,625.0	2,620.1	2,650.0	2,646.4	5.8	3.5	-128.21	513.6	-515.0	768.1	758.7	9.44	81.360	
2,650.0	2,644.6	2,671.9	2,668.2	5.9	3.5	-128.37	513.8	-513.4	770.1	760.6	9.52	80.893	
2,675.0	2,669.1	2,696.4	2,692.7	5.9	3.6	-128.56	514.1	-511.7	772.1	762.5	9.60	80.433	
2,700.0	2,693.6	2,720.2	2,716.4	6.0	3.6	-128.74	514.4	-510.1	774.1	764.5	9.68	79.979	
2,725.0	2,718.1	2,745.0	2,741.2	6.1	3.6	-128.93	514.8	-508.4	776.2	766.4	9.76	79.529	
2,750.0	2,742.6	2,769.1	2,765.2	6.2	3.6	-129.11	515.1	-506.8	778.3	768.4	9.84	79.083	
2,775.0	2,767.1	2,792.7	2,788.7	6.3	3.6	-129.29	515.4	-505.2	780.4	770.5	9.92	78.646	
2,800.0	2,791.6	2,816.0	2,812.0	6.4	3.6	-129.46	515.8	-503.6	782.6	772.6	10.00	78.218	
2,825.0	2,816.1	2,840.0	2,835.9	6.4	3.6	-129.63	516.2	-502.1	784.8	774.7	10.09	77.776	
2,850.0	2,840.6	2,864.4	2,860.2	6.5	3.6	-129.81	516.7	-500.5	787.0	776.9	10.18	77.337	
2,875.0	2,865.1	2,887.6	2,883.4	6.6	3.7	-129.98	517.1	-499.0	789.3	779.0	10.26	76.908	
2,900.0	2,889.6	2,910.6	2,906.4	6.7	3.7	-130.15	517.5	-497.6	791.6	781.3	10.35	76.490	
2,925.0	2,914.1	2,935.3	2,931.1	6.8	3.7	-130.33	518.0	-496.1	794.0	783.6	10.44	76.056	
2,950.0	2,938.6	2,960.4	2,956.1	6.9	3.7	-130.51	518.4	-494.7	796.4	785.9	10.53	75.621	
2,975.0	2,963.1	2,984.9	2,980.5	7.0	3.7	-130.69	518.8	-493.2	798.8	788.2	10.62	75.194	
3,000.0	2,987.6	3,009.1	3,004.6	7.1	3.7	-130.87	519.3	-491.8	801.2	790.5	10.72	74.772	
3,025.0	3,012.1	3,033.5	3,029.0	7.2	3.7	-131.05	519.7	-490.4	803.6	792.8	10.81	74.341	
3,050.0	3,036.6	3,058.9	3,054.4	7.2	3.8	-131.24	520.1	-488.9	806.1	795.1	10.91	73.907	
3,075.0	3,061.1	3,081.8	3,077.2	7.3	3.8	-131.41	520.4	-487.7	808.5	797.5	11.00	73.489	
3,100.0	3,085.6	3,104.5	3,099.9	7.4	3.8	-131.59	520.7	-486.6	811.0	799.9	11.10	73.082	
3,125.0	3,110.1	3,128.1	3,123.5	7.5	3.8	-131.77	521.1	-485.4	813.6	802.4	11.20	72.667	
3,150.0	3,134.6	3,152.5	3,147.9	7.6	3.8	-131.95	521.4	-484.2	816.2	804.9	11.30	72.255	
3,175.0	3,159.1	3,176.2	3,171.5	7.7	3.8	-132.14	521.7	-483.1	818.9	807.5	11.40	71.851	
3,200.0	3,183.6	3,200.7	3,196.0	7.8	3.8	-132.33	522.0	-482.0	821.6	810.1	11.50	71.448	
3,225.0	3,208.1	3,225.0	3,220.3	7.9	3.9	-132.52	522.3	-481.0	824.2	812.6	11.60	71.039	
3,250.0	3,232.6	3,248.8	3,244.0	8.0	3.9	-132.71	522.6	-479.9	826.9	815.2	11.71	70.638	
3,275.0	3,257.1	3,274.4	3,269.6	8.1	3.9	-132.91	522.8	-478.9	829.7	817.9	11.81	70.232	
3,300.0	3,281.6	3,298.4	3,293.6	8.2	3.9	-133.10	523.1	-477.9	832.4	820.5	11.92	69.839	
3,325.0	3,306.1	3,322.0	3,317.2	8.3	3.9	-133.28	523.4	-476.9	835.2	823.1	12.03	69.446	
3,350.0	3,330.6	3,346.8	3,341.9	8.4	3.9	-133.47	523.7	-475.8	838.0	825.8	12.14	69.052	
3,375.0	3,355.1	3,371.2	3,366.4	8.5	4.0	-133.65	524.0	-474.8	840.8	828.5	12.24	68.664	
3,400.0	3,379.6	3,395.7	3,390.8	8.6	4.0	-133.84	524.3	-473.8	843.6	831.2	12.35	68.281	
3,425.0	3,404.1	3,420.9	3,416.0	8.7	4.0	-134.03	524.6	-472.8	846.4	834.0	12.47	67.888	
3,450.0	3,428.6	3,444.1	3,439.2	8.8	4.0	-134.21	524.8	-471.9	849.3	836.7	12.58	67.511	
3,475.0	3,453.1	3,468.0	3,463.0	8.9	4.0	-134.40	525.0	-471.1	852.2	839.5	12.69	67.138	
3,500.0	3,477.6	3,492.0	3,487.1	9.0	4.1	-134.59	525.2	-470.2	855.1	842.3	12.81	66.768	
3,525.0	3,502.1	3,515.0	3,510.0	9.1	4.1	-134.77	525.4	-469.5	858.0	845.1	12.92	66.404	
3,550.0	3,526.6	3,538.0	3,533.0	9.2	4.1	-134.95	525.6	-468.7	861.1	848.0	13.04	66.049	
3,575.0	3,551.1	3,561.8	3,556.8	9.3	4.1	-135.14	525.8	-468.0	864.1	851.0	13.15	65.696	
3,600.0	3,575.6	3,585.7	3,580.7	9.4	4.1	-135.33	525.9	-467.4	867.2	854.0	13.27	65.346	
3,625.0	3,600.1	3,609.6	3,604.6	9.5	4.1	-135.52	526.1	-466.8	870.4	857.0	13.39	64.997	
3,650.0	3,624.6	3,633.8	3,628.8	9.6	4.2	-135.71	526.3	-466.1	873.5	860.0	13.51	64.651	
3,675.0	3,649.1	3,658.7	3,653.7	9.7	4.2	-135.91	526.5	-465.5	876.7	863.1	13.63	64.304	
3,700.0	3,673.6	3,683.3	3,678.2	9.9	4.2	-136.10	526.6	-464.9	879.9	866.1	13.76	63.962	
3,725.0	3,698.1	3,706.1	3,701.1	10.0	4.2	-136.28	526.8	-464.3	883.1	869.2	13.88	63.635	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,750.0	3,722.6	3,730.2	3,725.1	10.1	4.2	-136.46	527.0	-463.7	886.3	872.3	14.00	63.306	
3,775.0	3,747.1	3,754.4	3,749.3	10.2	4.3	-136.65	527.2	-463.2	889.6	875.5	14.12	62.982	
3,800.0	3,771.6	3,780.3	3,775.2	10.3	4.3	-136.84	527.4	-462.6	892.9	878.6	14.25	62.648	
3,825.0	3,796.1	3,804.3	3,799.2	10.4	4.3	-137.02	527.6	-462.0	896.1	881.8	14.38	62.327	
3,850.0	3,820.5	3,829.1	3,824.0	10.5	4.3	-137.21	527.8	-461.4	899.4	884.9	14.51	62.004	
3,875.0	3,845.0	3,854.5	3,849.4	10.6	4.3	-137.40	528.0	-460.8	902.7	888.1	14.64	61.680	
3,900.0	3,869.5	3,878.0	3,872.9	10.7	4.4	-137.57	528.3	-460.2	906.0	891.2	14.76	61.376	
3,925.0	3,894.0	3,900.6	3,895.5	10.8	4.4	-137.73	528.6	-459.6	909.4	894.5	14.89	61.082	
3,950.0	3,918.5	3,925.0	3,919.9	10.9	4.4	-137.90	528.8	-459.1	912.7	897.7	15.02	60.782	
3,975.0	3,943.0	3,948.7	3,943.6	11.0	4.4	-138.07	529.1	-458.6	916.2	901.0	15.15	60.490	
4,000.0	3,967.5	3,973.9	3,968.8	11.1	4.5	-138.25	529.4	-458.0	919.6	904.3	15.28	60.192	
4,025.0	3,992.0	3,996.7	3,991.5	11.2	4.5	-138.41	529.6	-457.5	923.0	907.6	15.41	59.914	
4,050.0	4,016.5	4,022.5	4,017.4	11.4	4.5	-138.60	529.9	-457.0	926.5	911.0	15.54	59.617	
4,075.0	4,041.0	4,046.3	4,041.1	11.5	4.5	-138.76	530.1	-456.5	930.0	914.3	15.67	59.337	
4,100.0	4,065.5	4,069.5	4,064.3	11.6	4.5	-138.93	530.4	-456.1	933.5	917.7	15.80	59.068	
4,125.0	4,090.0	4,093.5	4,088.4	11.7	4.6	-139.10	530.6	-455.7	937.0	921.1	15.94	58.795	
4,150.0	4,114.5	4,117.5	4,112.3	11.8	4.6	-139.26	530.8	-455.3	940.6	924.5	16.07	58.526	
4,175.0	4,139.0	4,141.0	4,135.8	11.9	4.6	-139.43	531.1	-454.9	944.2	928.0	16.20	58.265	
4,200.0	4,163.5	4,163.9	4,158.7	12.0	4.6	-139.59	531.3	-454.6	947.8	931.5	16.34	58.015	
4,225.0	4,188.0	4,187.7	4,182.5	12.1	4.6	-139.76	531.5	-454.4	951.5	935.0	16.47	57.761	
4,250.0	4,212.5	4,212.1	4,206.9	12.2	4.7	-139.94	531.6	-454.1	955.2	938.6	16.61	57.504	
4,275.0	4,237.0	4,234.9	4,229.7	12.3	4.7	-140.10	531.8	-453.9	958.9	942.2	16.75	57.264	
4,300.0	4,261.5	4,257.3	4,252.1	12.4	4.7	-140.26	531.9	-453.8	962.7	945.8	16.88	57.036	
4,325.0	4,286.0	4,282.8	4,277.7	12.6	4.7	-140.44	532.0	-453.6	966.5	949.5	17.02	56.785	
4,350.0	4,310.5	4,307.5	4,302.3	12.7	4.8	-140.63	532.1	-453.5	970.3	953.2	17.16	56.538	
4,375.0	4,335.0	4,329.8	4,324.6	12.8	4.8	-140.79	532.2	-453.4	974.2	956.9	17.30	56.316	
4,400.0	4,359.5	4,353.1	4,347.9	12.9	4.8	-140.96	532.3	-453.4	978.1	960.6	17.44	56.098	
4,425.0	4,384.0	4,379.6	4,374.4	13.0	4.8	-141.15	532.3	-453.4	982.0	964.4	17.58	55.849	
4,450.0	4,408.5	4,404.1	4,398.9	13.1	4.8	-141.33	532.3	-453.3	985.8	968.1	17.73	55.610	
4,475.0	4,433.0	4,428.1	4,423.0	13.2	4.8	-141.51	532.3	-453.3	989.7	971.9	17.87	55.379	
4,500.0	4,457.5	4,452.6	4,447.4	13.3	4.9	-141.68	532.3	-453.3	993.7	975.6	18.02	55.153	
4,525.0	4,482.0	4,477.9	4,472.8	13.4	4.9	-141.86	532.3	-453.2	997.6	979.4	18.16	54.924	
9,200.0	9,142.3	9,496.8	9,438.4	20.7	8.9	-73.75	397.1	-288.6	997.9	967.2	30.72	32.487	
9,225.0	9,167.2	9,507.0	9,445.8	20.7	9.0	-75.15	390.1	-288.3	989.9	959.2	30.74	32.208	
9,250.0	9,192.0	9,521.3	9,456.0	20.7	9.0	-76.78	380.2	-287.9	982.0	951.2	30.80	31.880	
9,275.0	9,216.6	9,532.5	9,464.0	20.7	9.0	-78.29	372.3	-287.8	974.2	943.3	30.85	31.574	
9,300.0	9,241.0	9,542.5	9,471.0	20.7	9.0	-79.76	365.1	-287.7	966.5	935.6	30.90	31.276	
9,325.0	9,265.0	9,554.0	9,479.0	20.7	9.1	-81.30	356.9	-287.7	959.1	928.2	30.98	30.963	
9,350.0	9,288.7	9,775.2	9,608.6	20.7	9.6	-95.56	179.7	-272.4	951.8	918.9	32.87	28.956	
9,375.0	9,311.8	9,776.9	9,609.4	20.7	9.6	-96.68	178.2	-272.2	943.7	910.9	32.85	28.729	
9,400.0	9,334.5	9,777.5	9,609.6	20.7	9.6	-97.63	177.7	-272.1	936.4	903.6	32.82	28.528	
9,425.0	9,356.6	9,777.1	9,609.5	20.7	9.6	-98.41	178.0	-272.2	929.9	897.1	32.80	28.353	
9,450.0	9,378.0	9,775.8	9,608.9	20.7	9.6	-99.03	179.2	-272.4	924.1	891.4	32.77	28.204	
9,475.0	9,398.7	9,773.7	9,607.9	20.7	9.6	-99.49	181.1	-272.7	919.2	886.5	32.73	28.083	
9,500.0	9,418.7	9,770.8	9,606.6	20.7	9.6	-99.79	183.6	-273.1	915.2	882.5	32.70	27.988	
9,525.0	9,437.9	9,767.2	9,605.0	20.7	9.6	-99.95	186.7	-273.6	912.0	879.4	32.67	27.919	
9,550.0	9,456.1	9,763.0	9,603.0	20.7	9.6	-99.96	190.4	-274.2	909.8	877.1	32.63	27.877	
9,575.0	9,473.5	9,758.2	9,600.8	20.7	9.6	-99.84	194.6	-274.9	908.3	875.7	32.60	27.861 SF	
9,600.0	9,489.9	9,728.9	9,586.0	20.7	9.5	-98.16	219.6	-279.1	907.8	875.3	32.44	27.985	
9,625.0	9,505.3	9,609.4	9,516.1	20.8	9.2	-90.96	315.7	-287.5	907.1	875.3	31.76	28.560	
9,642.6	9,515.5	9,601.4	9,510.9	20.8	9.2	-90.49	321.8	-287.6	906.9	875.2	31.75	28.561	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,650.0	9,519.6	9,598.7	9,509.1	20.8	9.1	-90.32	323.8	-287.6	906.9	875.2	31.76	28.559	
9,675.0	9,532.9	9,589.2	9,502.8	20.8	9.1	-89.69	331.0	-287.7	907.4	875.7	31.77	28.564	
9,700.0	9,545.0	9,578.6	9,495.7	20.8	9.1	-88.92	338.8	-287.7	908.5	876.8	31.78	28.588	
9,725.0	9,556.0	9,567.0	9,487.9	20.8	9.1	-88.04	347.4	-287.8	910.2	878.4	31.79	28.627	
9,750.0	9,565.8	9,554.6	9,479.4	20.8	9.1	-87.06	356.4	-287.7	912.3	880.5	31.81	28.682	
9,775.0	9,574.3	9,554.0	9,479.0	20.9	9.1	-86.71	356.9	-287.7	915.0	883.2	31.87	28.708	
9,800.0	9,581.6	9,541.3	9,470.2	20.9	9.0	-85.62	366.0	-287.7	918.2	886.3	31.89	28.790	
9,825.0	9,587.7	9,534.2	9,465.2	20.9	9.0	-84.80	371.1	-287.8	921.8	889.9	31.93	28.869	
9,850.0	9,592.4	9,526.6	9,459.8	20.9	9.0	-83.91	376.4	-287.9	925.9	893.9	31.97	28.965	
9,875.0	9,595.9	9,518.6	9,454.2	21.0	9.0	-82.97	382.0	-288.0	930.4	898.4	32.00	29.077	
9,900.0	9,598.1	9,507.0	9,445.8	21.0	9.0	-81.83	390.1	-288.3	935.2	903.2	32.02	29.209	
9,925.0	9,599.0	9,507.0	9,445.8	21.0	9.0	-81.21	390.1	-288.3	940.4	908.3	32.06	29.334	
9,925.6	9,599.0	9,507.0	9,445.8	21.0	9.0	-81.19	390.1	-288.3	940.5	908.5	32.06	29.337	
9,950.0	9,599.2	9,507.0	9,445.8	21.1	9.0	-81.19	390.1	-288.3	946.1	914.0	32.09	29.479	
9,975.0	9,599.4	9,487.1	9,431.2	21.1	8.9	-80.30	403.7	-289.1	951.9	919.8	32.10	29.658	
10,000.0	9,599.6	9,479.7	9,425.8	21.1	8.9	-79.96	408.6	-289.5	958.5	926.4	32.11	29.849	
10,025.0	9,599.8	9,460.0	9,411.0	21.2	8.9	-79.07	421.6	-290.8	965.7	933.5	32.12	30.064	
10,050.0	9,600.0	9,460.0	9,411.0	21.2	8.9	-79.07	421.6	-290.8	973.0	940.8	32.13	30.280	
10,075.0	9,600.2	9,460.0	9,411.0	21.3	8.9	-79.07	421.6	-290.8	980.9	948.7	32.14	30.524	
10,100.0	9,600.3	9,460.0	9,411.0	21.3	8.9	-79.07	421.6	-290.8	989.4	957.2	32.13	30.795	
10,125.0	9,600.5	9,460.0	9,411.0	21.4	8.9	-79.07	421.6	-290.8	998.4	966.3	32.12	31.085	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	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	3.0	-50.19	501.2	-601.3	782.9					
25.0	25.0	13.4	13.4	0.5	3.0	-50.19	501.2	-601.3	782.8						
50.0	50.0	39.2	39.2	0.5	3.0	-50.20	501.1	-601.3	782.8	778.0	4.72	165.674			
75.0	75.0	64.9	64.9	0.5	3.0	-50.21	500.9	-601.4	782.7	778.0	4.72	165.662			
100.0	100.0	90.7	90.7	0.5	3.0	-50.23	500.7	-601.5	782.6	777.9	4.72	165.644			
125.0	125.0	117.0	117.0	0.6	3.0	-50.25	500.4	-601.7	782.5	777.8	4.76	164.464			
150.0	150.0	142.5	142.5	0.8	3.0	-50.28	500.0	-601.8	782.4	777.6	4.80	163.052			
175.0	175.0	168.0	168.0	0.9	3.0	-50.31	499.5	-602.0	782.2	777.4	4.85	161.433			
200.0	200.0	191.6	191.6	1.0	3.0	-50.34	499.2	-602.1	782.1	777.2	4.90	159.630			
225.0	225.0	216.1	216.1	1.1	3.0	-50.37	498.8	-602.2	782.0	777.1	4.94	158.347			
250.0	250.0	241.4	241.4	1.2	3.0	-50.39	498.5	-602.4	781.9	776.9	4.98	156.995			
275.0	275.0	266.3	266.2	1.3	3.0	-50.42	498.2	-602.5	781.8	776.8	5.02	155.582			
300.0	300.0	290.6	290.6	1.4	3.0	-50.44	497.8	-602.7	781.7	776.6	5.07	154.119			
325.0	325.0	315.4	315.4	1.4	3.0	-50.47	497.5	-602.8	781.6	776.5	5.11	152.892			
350.0	350.0	341.2	341.2	1.5	3.0	-50.49	497.2	-603.0	781.5	776.4	5.15	151.633			
375.0	375.0	365.8	365.8	1.6	3.0	-50.52	496.8	-603.1	781.4	776.2	5.20	150.345			
400.0	400.0	391.5	391.5	1.6	3.0	-50.55	496.5	-603.3	781.3	776.1	5.24	149.036			
425.0	425.0	419.2	419.2	1.7	3.0	-50.58	496.0	-603.5	781.2	775.9	5.28	147.856			
450.0	450.0	445.1	445.0	1.8	3.0	-50.61	495.5	-603.6	781.0	775.6	5.33	146.648			
475.0	475.0	471.0	470.9	1.8	3.0	-50.65	495.1	-603.7	780.7	775.4	5.37	145.422			
500.0	500.0	495.8	495.7	1.9	3.1	-50.68	494.6	-603.7	780.5	775.1	5.41	144.185			
525.0	525.0	520.7	520.7	1.9	3.1	-50.71	494.1	-603.8	780.2	774.8	5.45	143.055			
550.0	550.0	546.0	545.9	2.0	3.1	-50.74	493.6	-603.9	780.0	774.5	5.50	141.916			
575.0	575.0	571.0	570.9	2.1	3.1	-50.77	493.1	-603.9	779.7	774.2	5.54	140.771			
600.0	600.0	595.6	595.5	2.1	3.1	-50.80	492.7	-604.0	779.5	773.9	5.58	139.625			
625.0	625.0	619.0	618.9	2.2	3.1	-50.82	492.3	-604.1	779.3	773.6	5.62	138.571			
650.0	650.0	641.8	641.7	2.2	3.1	-50.85	491.9	-604.2	779.1	773.4	5.66	137.536			
675.0	675.0	665.2	665.1	2.3	3.1	-50.88	491.5	-604.4	779.0	773.3	5.71	136.519			
693.4	693.4	681.6	681.5	2.3	3.1	-50.90	491.3	-604.6	779.0	773.3	5.74	135.782 CC			
700.0	700.0	686.8	686.7	2.3	3.1	-50.91	491.2	-604.6	779.0	773.2	5.75	135.527 ES			
725.0	725.0	707.8	707.7	2.4	3.1	-50.94	490.9	-605.0	779.1	773.3	5.79	134.636			
750.0	750.0	730.9	730.8	2.4	3.1	-50.98	490.7	-605.4	779.3	773.5	5.83	133.766			
775.0	775.0	755.3	755.2	2.5	3.1	-51.01	490.5	-605.9	779.5	773.7	5.87	132.898			
800.0	800.0	775.0	774.9	2.5	3.1	-51.04	490.3	-606.3	779.9	773.9	5.91	132.059			
825.0	825.0	796.7	796.6	2.6	3.1	-51.07	490.2	-606.9	780.3	774.3	5.94	131.293			
850.0	850.0	818.8	818.7	2.6	3.1	-51.10	490.2	-607.6	780.9	774.9	5.98	130.551			
875.0	875.0	843.5	843.4	2.6	3.2	-51.14	490.1	-608.4	781.5	775.5	6.02	129.807			
900.0	900.0	868.3	868.2	2.7	3.2	-51.18	490.1	-609.2	782.1	776.1	6.06	129.058			
925.0	925.0	893.4	893.2	2.7	3.2	-51.22	490.1	-610.0	782.8	776.7	6.10	128.348			
950.0	950.0	919.3	919.1	2.8	3.2	-51.27	490.0	-610.9	783.4	777.2	6.14	127.629			
975.0	975.0	944.4	944.2	2.8	3.2	-51.32	489.8	-611.8	784.0	777.8	6.18	126.908			
1,000.0	1,000.0	969.1	968.9	2.9	3.2	-51.37	489.7	-612.7	784.6	778.4	6.22	126.190			
1,025.0	1,025.0	992.9	992.6	2.9	3.2	-51.42	489.5	-613.6	785.2	779.0	6.26	125.513			
1,050.0	1,050.0	1,017.5	1,017.2	3.0	3.2	-51.47	489.4	-614.6	785.9	779.6	6.30	124.837			
1,075.0	1,075.0	1,042.7	1,042.4	3.0	3.2	-51.53	489.1	-615.6	786.5	780.2	6.33	124.159			
1,100.0	1,100.0	1,067.6	1,067.3	3.0	3.2	-51.59	488.9	-616.6	787.2	780.8	6.37	123.483			
1,125.0	1,125.0	1,091.7	1,091.4	3.1	3.2	-51.65	488.6	-617.7	787.8	781.4	6.41	122.842			
1,150.0	1,150.0	1,117.3	1,117.0	3.1	3.2	-51.72	488.3	-618.8	788.5	782.1	6.45	122.197			
1,175.0	1,175.0	1,142.0	1,141.6	3.2	3.3	-51.79	488.0	-619.9	789.2	782.7	6.49	121.554			
1,200.0	1,200.0	1,165.9	1,165.5	3.2	3.3	-51.85	487.7	-620.9	789.9	783.4	6.53	120.922			
1,225.0	1,225.0	1,190.5	1,190.1	3.2	3.3	-51.92	487.5	-622.0	790.6	784.0	6.57	120.316			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,250.0	1,250.0	1,215.1	1,214.7	3.3	3.3	-51.99	487.1	-623.2	791.3	784.7	6.61	119.712	
1,275.0	1,275.0	1,239.9	1,239.4	3.3	3.3	-52.05	486.8	-624.4	792.1	785.4	6.65	119.111	
1,300.0	1,300.0	1,264.8	1,264.2	3.4	3.3	-52.12	486.5	-625.5	792.8	786.1	6.69	118.512	
1,325.0	1,325.0	1,290.1	1,289.6	3.4	3.3	-52.20	486.2	-626.7	793.6	786.9	6.73	117.931	
1,350.0	1,350.0	1,315.2	1,314.6	3.4	3.3	-52.27	485.9	-627.9	794.3	787.5	6.77	117.352	
1,375.0	1,375.0	1,343.3	1,342.7	3.5	3.4	-52.34	485.6	-629.2	795.0	788.2	6.81	116.753	
1,400.0	1,400.0	1,377.2	1,376.6	3.5	3.4	-52.42	485.2	-630.4	795.5	788.7	6.85	116.100	
1,425.0	1,425.0	1,401.7	1,401.0	3.6	3.4	-52.46	484.9	-631.0	795.9	789.0	6.89	115.498	
1,450.0	1,450.0	1,427.1	1,426.4	3.6	3.4	-52.51	484.6	-631.7	796.3	789.3	6.93	114.893	
1,475.0	1,475.0	1,451.4	1,450.7	3.6	3.4	-52.55	484.4	-632.4	796.7	789.7	6.97	114.297	
1,500.0	1,500.0	1,475.0	1,474.3	3.7	3.4	-52.59	484.1	-633.0	797.1	790.1	7.01	113.711	
1,525.0	1,525.0	1,497.2	1,496.6	3.7	3.5	-52.63	484.0	-633.7	797.5	790.5	7.05	113.157	
1,550.0	1,550.0	1,521.4	1,520.8	3.8	3.5	-52.67	483.9	-634.4	798.1	791.0	7.09	112.601	
1,575.0	1,575.0	1,546.7	1,546.0	3.8	3.5	-52.71	483.7	-635.2	798.6	791.5	7.13	112.042	
1,600.0	1,600.0	1,571.5	1,570.8	3.8	3.5	-52.75	483.6	-636.0	799.2	792.0	7.17	111.487	
1,625.0	1,625.0	1,595.4	1,594.7	3.9	3.5	-52.79	483.5	-636.7	799.7	792.5	7.21	110.955	
1,650.0	1,650.0	1,623.6	1,622.9	3.9	3.5	-52.83	483.4	-637.5	800.2	793.0	7.25	110.394	
1,675.0	1,675.0	1,655.3	1,654.5	3.9	3.5	-52.83	483.6	-638.0	800.6	793.3	7.29	109.779	
1,700.0	1,700.0	1,681.2	1,680.5	4.0	3.5	-52.83	483.9	-638.1	800.8	793.5	7.33	109.185	
1,725.0	1,725.0	1,706.1	1,705.3	4.0	3.5	-52.81	484.1	-638.2	801.1	793.7	7.38	108.613	
1,750.0	1,750.0	1,730.5	1,729.8	4.1	3.5	-52.80	484.4	-638.3	801.3	793.9	7.42	108.046	
1,775.0	1,775.0	1,754.7	1,754.0	4.1	3.6	-52.80	484.6	-638.4	801.6	794.1	7.46	107.483	
1,800.0	1,800.0	1,779.2	1,778.4	4.1	3.6	-52.79	484.9	-638.6	801.9	794.4	7.50	106.922	
1,825.0	1,825.0	1,802.4	1,801.6	4.2	3.6	-52.78	485.1	-638.8	802.2	794.7	7.54	106.386	
1,850.0	1,850.0	1,825.0	1,824.2	4.2	3.6	-52.78	485.4	-639.0	802.6	795.0	7.58	105.861	
1,875.0	1,875.0	1,847.6	1,846.9	4.2	3.6	-52.78	485.6	-639.4	803.0	795.4	7.62	105.349	
1,900.0	1,900.0	1,870.8	1,870.0	4.3	3.6	-52.79	485.8	-639.8	803.6	795.9	7.66	104.848	
1,925.0	1,925.0	1,894.8	1,894.1	4.3	3.6	-52.80	486.0	-640.4	804.1	796.4	7.71	104.357	
1,950.0	1,950.0	1,919.8	1,919.0	4.3	3.6	-52.81	486.3	-640.9	804.7	797.0	7.75	103.865	
1,975.0	1,975.0	1,944.8	1,944.0	4.4	3.6	-52.83	486.5	-641.5	805.3	797.5	7.79	103.374	
2,000.0	2,000.0	1,971.0	1,970.2	4.4	3.7	-52.84	486.7	-642.1	805.9	798.1	7.83	102.874	
2,025.0	2,025.0	1,998.3	1,997.5	4.4	3.7	-131.93	486.9	-642.6	806.5	798.6	7.89	102.180	
2,050.0	2,050.0	2,030.1	2,029.3	4.5	3.7	-131.95	487.1	-643.1	807.1	799.1	7.95	101.499	
2,075.0	2,075.0	2,061.9	2,061.1	4.5	3.7	-131.97	487.3	-643.2	807.6	799.6	8.01	100.879	
2,100.0	2,100.0	2,090.4	2,089.6	4.5	3.7	-132.00	487.4	-643.1	808.1	800.1	8.05	100.377	
2,125.0	2,125.0	2,118.0	2,117.2	4.6	3.7	-132.04	487.5	-642.9	808.7	800.6	8.12	99.606	
2,150.0	2,149.9	2,143.1	2,142.3	4.6	3.7	-132.07	487.7	-642.6	809.3	801.2	8.19	98.866	
2,175.0	2,174.9	2,168.7	2,167.9	4.7	3.7	-132.11	487.9	-642.3	810.2	801.9	8.25	98.155	
2,200.0	2,199.8	2,195.9	2,195.1	4.7	3.7	-132.16	488.0	-641.9	811.1	802.7	8.32	97.469	
2,225.0	2,224.8	2,224.9	2,224.1	4.7	3.7	-132.22	488.2	-641.3	812.0	803.6	8.39	96.778	
2,250.0	2,249.7	2,256.4	2,255.6	4.8	3.7	-132.30	488.4	-640.5	813.0	804.5	8.46	96.102	
2,275.0	2,274.6	2,289.1	2,288.2	4.8	3.7	-132.40	488.4	-639.4	813.9	805.3	8.53	95.433	
2,300.0	2,299.5	2,320.7	2,319.8	4.9	3.7	-132.49	488.4	-638.0	814.7	806.1	8.60	94.766	
2,325.0	2,324.3	2,354.4	2,353.5	4.9	3.7	-132.61	488.3	-636.2	815.4	806.7	8.67	94.068	
2,350.0	2,349.1	2,386.5	2,385.5	5.0	3.7	-132.72	488.0	-634.2	816.0	807.2	8.74	93.366	
2,375.0	2,373.9	2,415.2	2,414.1	5.1	3.7	-132.83	487.8	-632.2	816.6	807.8	8.81	92.669	
2,400.0	2,398.7	2,441.1	2,440.0	5.1	3.7	-132.93	487.5	-630.3	817.3	808.4	8.89	91.977	
2,425.0	2,423.4	2,466.3	2,465.1	5.2	3.7	-133.04	487.3	-628.4	818.1	809.1	8.96	91.275	
2,450.0	2,448.2	2,485.8	2,484.5	5.3	3.7	-133.13	487.1	-627.0	819.1	810.1	9.04	90.591	
2,475.0	2,472.8	2,500.0	2,498.7	5.4	3.7	-133.20	487.0	-626.1	820.5	811.4	9.12	89.957	
2,500.0	2,497.5	2,515.3	2,514.0	5.4	3.7	-133.27	487.0	-625.3	822.4	813.2	9.20	89.382	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)			
2,525.0	2,522.1	2,529.6	2,528.3	5.5	3.7	-133.35	487.0	-624.9	824.8	815.5	9.26	89.032		
2,550.0	2,546.6	2,550.0	2,548.7	5.6	3.7	-133.48	487.0	-624.4	827.6	818.3	9.33	88.724		
2,575.0	2,571.2	2,566.2	2,564.9	5.7	3.7	-133.59	487.1	-624.2	830.7	821.3	9.39	88.456		
2,600.0	2,595.6	2,589.4	2,588.1	5.7	3.7	-133.80	487.2	-624.0	834.1	824.6	9.44	88.374		
2,625.0	2,620.1	2,613.7	2,612.4	5.8	3.7	-134.03	487.3	-623.8	837.4	827.9	9.52	87.971		
2,650.0	2,644.6	2,637.9	2,636.5	5.9	3.7	-134.25	487.4	-623.5	840.8	831.2	9.60	87.573		
2,675.0	2,669.1	2,662.7	2,661.4	5.9	3.7	-134.48	487.5	-623.3	844.2	834.5	9.68	87.177		
2,700.0	2,693.6	2,687.6	2,686.2	6.0	3.7	-134.70	487.7	-623.1	847.6	837.9	9.77	86.782		
2,725.0	2,718.1	2,711.8	2,710.5	6.1	3.7	-134.92	487.8	-622.8	851.0	841.2	9.85	86.386		
2,750.0	2,742.6	2,735.9	2,734.6	6.2	3.7	-135.14	487.9	-622.6	854.5	844.5	9.94	85.994		
2,775.0	2,767.1	2,760.4	2,759.1	6.3	3.7	-135.35	488.0	-622.4	857.9	847.9	10.02	85.604		
2,800.0	2,791.6	2,785.3	2,783.9	6.4	3.7	-135.57	488.1	-622.2	861.4	851.3	10.11	85.217		
2,825.0	2,816.1	2,809.8	2,808.4	6.4	3.7	-135.79	488.2	-622.0	864.9	854.7	10.20	84.807		
2,850.0	2,840.6	2,834.4	2,833.0	6.5	3.7	-136.01	488.3	-621.8	868.4	858.1	10.29	84.401		
2,875.0	2,865.1	2,858.0	2,856.7	6.6	3.7	-136.22	488.3	-621.6	871.9	861.5	10.38	84.001		
2,900.0	2,889.6	2,881.0	2,879.6	6.7	3.7	-136.42	488.4	-621.5	875.5	865.0	10.47	83.611		
2,925.0	2,914.1	2,906.0	2,904.7	6.8	3.7	-136.63	488.6	-621.3	879.0	868.5	10.57	83.191		
2,950.0	2,938.6	2,930.5	2,929.1	6.9	3.7	-136.83	488.7	-621.1	882.6	872.0	10.66	82.778		
2,975.0	2,963.1	2,955.4	2,954.1	7.0	3.7	-137.04	488.8	-621.0	886.2	875.5	10.76	82.366		
3,000.0	2,987.6	2,979.2	2,977.9	7.1	3.7	-137.24	488.9	-620.8	889.8	879.0	10.86	81.964		
3,025.0	3,012.1	3,003.5	3,002.2	7.2	3.7	-137.45	489.1	-620.7	893.5	882.5	10.96	81.545		
3,050.0	3,036.6	3,028.5	3,027.1	7.2	3.7	-137.65	489.2	-620.5	897.1	886.1	11.06	81.127		
3,075.0	3,061.1	3,053.2	3,051.9	7.3	3.7	-137.85	489.3	-620.4	900.8	889.6	11.16	80.713		
3,100.0	3,085.6	3,077.8	3,076.4	7.4	3.7	-138.05	489.5	-620.2	904.4	893.2	11.26	80.305		
3,125.0	3,110.1	3,101.2	3,099.8	7.5	3.7	-138.24	489.6	-620.1	908.1	896.7	11.37	79.893		
3,150.0	3,134.6	3,125.1	3,123.8	7.6	3.7	-138.43	489.8	-619.9	911.8	900.4	11.47	79.483		
3,175.0	3,159.1	3,149.4	3,148.1	7.7	3.7	-138.62	489.9	-619.8	915.6	904.0	11.58	79.076		
3,200.0	3,183.6	3,174.9	3,173.5	7.8	3.7	-138.82	490.0	-619.7	919.3	907.6	11.69	78.666		
3,225.0	3,208.1	3,198.7	3,197.4	7.9	3.7	-139.01	490.1	-619.6	923.1	911.3	11.80	78.256		
3,250.0	3,232.6	3,223.4	3,222.1	8.0	3.8	-139.20	490.3	-619.5	926.8	914.9	11.91	77.847		
3,275.0	3,257.1	3,248.5	3,247.1	8.1	3.8	-139.39	490.4	-619.3	930.6	918.6	12.02	77.440		
3,300.0	3,281.6	3,271.7	3,270.3	8.2	3.8	-139.57	490.5	-619.2	934.4	922.2	12.13	77.050		
3,325.0	3,306.1	3,297.4	3,296.1	8.3	3.8	-139.76	490.6	-619.1	938.2	925.9	12.24	76.636		
3,350.0	3,330.6	3,321.3	3,319.9	8.4	3.8	-139.94	490.7	-619.0	942.0	929.6	12.36	76.240		
3,375.0	3,355.1	3,344.7	3,343.3	8.5	3.8	-140.12	490.8	-618.9	945.8	933.3	12.47	75.853		
3,400.0	3,379.6	3,369.1	3,367.7	8.6	3.8	-140.30	490.9	-618.9	949.7	937.1	12.58	75.464		
3,425.0	3,404.1	3,394.6	3,393.3	8.7	3.8	-140.49	491.1	-618.8	953.5	940.8	12.70	75.062		
3,450.0	3,428.6	3,419.9	3,418.6	8.8	3.8	-140.68	491.2	-618.7	957.3	944.5	12.82	74.665		
3,475.0	3,453.1	3,444.8	3,443.5	8.9	3.8	-140.85	491.3	-618.5	961.2	948.2	12.94	74.277		
3,500.0	3,477.6	3,468.5	3,467.1	9.0	3.8	-141.02	491.5	-618.4	965.0	952.0	13.06	73.902		
3,525.0	3,502.1	3,492.9	3,491.5	9.1	3.8	-141.20	491.6	-618.3	968.9	955.7	13.18	73.519		
3,550.0	3,526.6	3,517.8	3,516.5	9.2	3.9	-141.38	491.6	-618.2	972.8	959.5	13.30	73.136		
3,575.0	3,551.1	3,541.0	3,539.6	9.3	3.9	-141.55	491.7	-618.2	976.7	963.3	13.42	72.772		
3,600.0	3,575.6	3,564.7	3,563.4	9.4	3.9	-141.71	491.8	-618.1	980.6	967.1	13.54	72.409		
3,625.0	3,600.1	3,589.3	3,588.0	9.5	3.9	-141.89	491.9	-618.1	984.6	970.9	13.67	72.038		
3,650.0	3,624.6	3,613.3	3,611.9	9.6	3.9	-142.06	491.9	-618.1	988.5	974.7	13.79	71.676		
3,675.0	3,649.1	3,637.0	3,635.6	9.7	3.9	-142.22	492.0	-618.1	992.5	978.6	13.92	71.321		
3,700.0	3,673.6	3,661.5	3,660.2	9.9	3.9	-142.39	492.1	-618.1	996.5	982.5	14.04	70.965 SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	3.0	-37.64	701.6	-541.1	886.1					
25.0	25.0	10.5	10.5	0.5	3.0	-37.64	701.6	-541.1	886.0						
50.0	50.0	35.5	35.5	0.5	3.0	-37.64	701.6	-541.1	886.0	881.3	4.73	187.516			
75.0	75.0	60.5	60.5	0.5	3.0	-37.64	701.6	-541.1	886.0	881.3	4.73	187.513			
100.0	100.0	85.5	85.5	0.5	3.0	-37.64	701.6	-541.1	886.0	881.3	4.73	187.507			
125.0	125.0	110.5	110.5	0.6	3.0	-37.64	701.6	-541.1	886.0	881.3	4.76	186.182			
150.0	150.0	135.5	135.5	0.8	3.0	-37.64	701.6	-541.1	886.0	881.2	4.80	184.589			
175.0	175.0	160.5	160.5	0.9	3.0	-37.64	701.6	-541.1	886.0	881.2	4.85	182.755			
200.0	200.0	185.5	185.5	1.0	3.0	-37.64	701.6	-541.1	886.0	881.1	4.90	180.704			
225.0	225.0	210.5	210.5	1.1	3.0	-37.64	701.6	-541.1	886.0	881.1	4.94	179.221			
250.0	250.0	235.5	235.5	1.2	3.0	-37.64	701.6	-541.1	886.0	881.0	4.99	177.655			
275.0	275.0	260.5	260.5	1.3	3.0	-37.64	701.6	-541.1	886.0	881.0	5.03	176.016			
300.0	300.0	285.5	285.5	1.4	3.0	-37.64	701.6	-541.1	886.0	880.9	5.08	174.311			
325.0	325.0	310.5	310.5	1.4	3.0	-37.64	701.6	-541.1	886.0	880.9	5.13	172.860			
350.0	350.0	335.5	335.5	1.5	3.0	-37.64	701.6	-541.1	886.0	880.9	5.17	171.373			
375.0	375.0	360.5	360.5	1.6	3.0	-37.64	701.6	-541.1	886.0	880.8	5.22	169.852			
400.0	400.0	385.5	385.5	1.6	3.0	-37.64	701.6	-541.1	886.0	880.8	5.26	168.303			
425.0	425.0	410.5	410.5	1.7	3.0	-37.64	701.6	-541.1	886.0	880.7	5.31	166.915			
450.0	450.0	435.5	435.5	1.8	3.0	-37.64	701.6	-541.1	886.0	880.7	5.35	165.509			
475.0	475.0	460.5	460.5	1.8	3.0	-37.64	701.6	-541.1	886.0	880.6	5.40	164.087			
500.0	500.0	485.5	485.5	1.9	3.1	-37.64	701.6	-541.1	886.0	880.6	5.45	162.653			
525.0	525.0	510.5	510.5	1.9	3.1	-37.64	701.6	-541.1	886.0	880.5	5.49	161.333			
550.0	550.0	535.5	535.5	2.0	3.1	-37.64	701.6	-541.1	886.0	880.5	5.54	160.006			
575.0	575.0	560.5	560.5	2.1	3.1	-37.64	701.6	-541.1	886.0	880.4	5.58	158.672			
600.0	600.0	585.5	585.5	2.1	3.1	-37.64	701.6	-541.1	886.0	880.4	5.63	157.334			
625.0	625.0	610.5	610.5	2.2	3.1	-37.64	701.6	-541.1	886.0	880.3	5.68	156.083			
650.0	650.0	635.5	635.5	2.2	3.1	-37.64	701.6	-541.1	886.0	880.3	5.72	154.830			
675.0	675.0	660.5	660.5	2.3	3.1	-37.64	701.6	-541.1	886.0	880.3	5.77	153.576			
700.0	700.0	685.5	685.5	2.3	3.1	-37.64	701.6	-541.1	886.0	880.2	5.82	152.322			
725.0	725.0	710.5	710.5	2.4	3.1	-37.64	701.6	-541.1	886.0	880.2	5.86	151.138			
750.0	750.0	735.5	735.5	2.4	3.1	-37.64	701.6	-541.1	886.0	880.1	5.91	149.954			
775.0	775.0	760.5	760.5	2.5	3.1	-37.64	701.6	-541.1	886.0	880.1	5.96	148.773			
800.0	800.0	785.5	785.5	2.5	3.1	-37.64	701.6	-541.1	886.0	880.0	6.00	147.595			
825.0	825.0	810.5	810.5	2.6	3.2	-37.64	701.6	-541.1	886.0	880.0	6.05	146.473			
850.0	850.0	835.5	835.5	2.6	3.2	-37.64	701.6	-541.1	886.0	879.9	6.10	145.354			
875.0	875.0	860.5	860.5	2.6	3.2	-37.64	701.6	-541.1	886.0	879.9	6.14	144.240			
900.0	900.0	885.5	885.5	2.7	3.2	-37.64	701.6	-541.1	886.0	879.8	6.19	143.130			
925.0	925.0	910.5	910.5	2.7	3.2	-37.64	701.6	-541.1	886.0	879.8	6.24	142.067			
950.0	950.0	935.5	935.5	2.8	3.2	-37.64	701.6	-541.1	886.0	879.7	6.28	141.009			
975.0	975.0	960.5	960.5	2.8	3.2	-37.64	701.6	-541.1	886.0	879.7	6.33	139.957			
1,000.0	1,000.0	985.5	985.5	2.9	3.2	-37.64	701.6	-541.1	886.0	879.6	6.38	138.910			
1,025.0	1,025.0	1,010.5	1,010.5	2.9	3.2	-37.64	701.6	-541.1	886.0	879.6	6.42	137.902			
1,050.0	1,050.0	1,035.5	1,035.5	3.0	3.3	-37.64	701.6	-541.1	886.0	879.5	6.47	136.901			
1,075.0	1,075.0	1,060.5	1,060.5	3.0	3.3	-37.64	701.6	-541.1	886.0	879.5	6.52	135.905			
1,100.0	1,100.0	1,085.5	1,085.5	3.0	3.3	-37.64	701.6	-541.1	886.0	879.5	6.57	134.915			
1,125.0	1,125.0	1,110.5	1,110.5	3.1	3.3	-37.64	701.6	-541.1	886.0	879.4	6.61	133.960			
1,150.0	1,150.0	1,135.5	1,135.5	3.1	3.3	-37.64	701.6	-541.1	886.0	879.4	6.66	133.010			
1,175.0	1,175.0	1,160.5	1,160.5	3.2	3.3	-37.64	701.6	-541.1	886.0	879.3	6.71	132.067			
1,200.0	1,200.0	1,185.5	1,185.5	3.2	3.3	-37.64	701.6	-541.1	886.0	879.3	6.76	131.131			
1,225.0	1,225.0	1,210.5	1,210.5	3.2	3.4	-37.64	701.6	-541.1	886.0	879.2	6.80	130.224			
1,250.0	1,250.0	1,235.5	1,235.5	3.3	3.4	-37.64	701.6	-541.1	886.0	879.2	6.85	129.323			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,275.0	1,275.0	1,260.5	1,260.5	3.3	3.4	-37.64	701.6	-541.1	886.0	879.1	6.90	128.429	
1,300.0	1,300.0	1,285.5	1,285.5	3.4	3.4	-37.64	701.6	-541.1	886.0	879.1	6.95	127.541	
1,325.0	1,325.0	1,310.5	1,310.5	3.4	3.4	-37.64	701.6	-541.1	886.0	879.0	6.99	126.679	
1,350.0	1,350.0	1,335.5	1,335.5	3.4	3.4	-37.64	701.6	-541.1	886.0	879.0	7.04	125.824	
1,375.0	1,375.0	1,360.5	1,360.5	3.5	3.5	-37.64	701.6	-541.1	886.0	878.9	7.09	124.975	
1,400.0	1,400.0	1,385.5	1,385.5	3.5	3.5	-37.64	701.6	-541.1	886.0	878.9	7.14	124.133	
1,425.0	1,425.0	1,410.5	1,410.5	3.6	3.5	-37.64	701.6	-541.1	886.0	878.8	7.19	123.313	
1,450.0	1,450.0	1,435.5	1,435.5	3.6	3.5	-37.64	701.6	-541.1	886.0	878.8	7.23	122.500	
1,475.0	1,475.0	1,460.5	1,460.5	3.6	3.5	-37.64	701.6	-541.1	886.0	878.7	7.28	121.693	
1,500.0	1,500.0	1,485.5	1,485.5	3.7	3.5	-37.64	701.6	-541.1	886.0	878.7	7.33	120.893	
1,525.0	1,525.0	1,510.5	1,510.5	3.7	3.6	-37.64	701.6	-541.1	886.0	878.6	7.38	120.113	
1,550.0	1,550.0	1,535.5	1,535.5	3.8	3.6	-37.64	701.6	-541.1	886.0	878.6	7.42	119.339	
1,575.0	1,575.0	1,560.5	1,560.5	3.8	3.6	-37.64	701.6	-541.1	886.0	878.5	7.47	118.572	
1,600.0	1,600.0	1,585.5	1,585.5	3.8	3.6	-37.64	701.6	-541.1	886.0	878.5	7.52	117.811	
1,625.0	1,625.0	1,610.5	1,610.5	3.9	3.6	-37.64	701.6	-541.1	886.0	878.5	7.57	117.067	
1,650.0	1,650.0	1,635.5	1,635.5	3.9	3.6	-37.64	701.6	-541.1	886.0	878.4	7.62	116.330	
1,675.0	1,675.0	1,660.5	1,660.5	3.9	3.7	-37.64	701.6	-541.1	886.0	878.4	7.66	115.600	
1,700.0	1,700.0	1,685.5	1,685.5	4.0	3.7	-37.64	701.6	-541.1	886.0	878.3	7.71	114.875	
1,725.0	1,725.0	1,710.5	1,710.5	4.0	3.7	-37.64	701.6	-541.1	886.0	878.3	7.76	114.166	
1,750.0	1,750.0	1,735.5	1,735.5	4.1	3.7	-37.64	701.6	-541.1	886.0	878.2	7.81	113.463	
1,775.0	1,775.0	1,760.5	1,760.5	4.1	3.7	-37.64	701.6	-541.1	886.0	878.2	7.86	112.767	
1,800.0	1,800.0	1,785.5	1,785.5	4.1	3.8	-37.64	701.6	-541.1	886.0	878.1	7.91	112.076	
1,825.0	1,825.0	1,810.5	1,810.5	4.2	3.8	-37.64	701.6	-541.1	886.0	878.1	7.95	111.400	
1,850.0	1,850.0	1,835.5	1,835.5	4.2	3.8	-37.64	701.6	-541.1	886.0	878.0	8.00	110.729	
1,875.0	1,875.0	1,860.5	1,860.5	4.2	3.8	-37.64	701.6	-541.1	886.0	878.0	8.05	110.064	
1,900.0	1,900.0	1,885.5	1,885.5	4.3	3.8	-37.64	701.6	-541.1	886.0	877.9	8.10	109.405	
1,925.0	1,925.0	1,910.5	1,910.5	4.3	3.9	-37.64	701.6	-541.1	886.0	877.9	8.15	108.759	
1,950.0	1,950.0	1,935.5	1,935.5	4.3	3.9	-37.64	701.6	-541.1	886.0	877.8	8.19	108.118	
1,975.0	1,975.0	1,960.5	1,960.5	4.4	3.9	-37.64	701.6	-541.1	886.0	877.8	8.24	107.483	
2,000.0	2,000.0	1,985.5	1,985.5	4.4	3.9	-37.64	701.6	-541.1	886.0	877.7	8.29	106.854	
2,025.0	2,025.0	2,010.5	2,010.5	4.4	3.9	-116.73	701.6	-541.1	886.1	877.7	8.34	106.182	
2,050.0	2,050.0	2,035.5	2,035.5	4.5	4.0	-116.74	701.6	-541.1	886.2	877.8	8.39	105.565	
2,075.0	2,075.0	2,060.5	2,060.5	4.5	4.0	-116.77	701.6	-541.1	886.5	878.0	8.44	105.003	
2,100.0	2,100.0	2,085.5	2,085.5	4.5	4.0	-116.81	701.6	-541.1	886.8	878.3	8.49	104.492	
2,125.0	2,125.0	2,110.5	2,110.5	4.6	4.0	-116.86	701.6	-541.1	887.2	878.7	8.55	103.734	
2,150.0	2,149.9	2,135.4	2,135.4	4.6	4.1	-116.92	701.6	-541.1	887.8	879.2	8.62	103.004	
2,175.0	2,174.9	2,160.4	2,160.4	4.7	4.1	-116.99	701.6	-541.1	888.4	879.8	8.68	102.301	
2,200.0	2,199.8	2,185.3	2,185.3	4.7	4.1	-117.07	701.6	-541.1	889.2	880.4	8.75	101.624	
2,225.0	2,224.8	2,210.3	2,210.3	4.7	4.1	-117.16	701.6	-541.1	890.0	881.2	8.82	100.957	
2,250.0	2,249.7	2,235.2	2,235.2	4.8	4.1	-117.26	701.6	-541.1	891.0	882.1	8.88	100.313	
2,275.0	2,274.6	2,260.1	2,260.1	4.8	4.2	-117.37	701.6	-541.1	892.0	883.1	8.95	99.691	
2,300.0	2,299.5	2,285.0	2,285.0	4.9	4.2	-117.49	701.6	-541.1	893.2	884.2	9.01	99.093	
2,325.0	2,324.3	2,309.8	2,309.8	4.9	4.2	-117.62	701.6	-541.1	894.5	885.4	9.08	98.498	
2,350.0	2,349.1	2,334.6	2,334.6	5.0	4.2	-117.77	701.6	-541.1	895.8	886.7	9.15	97.924	
2,375.0	2,373.9	2,359.4	2,359.4	5.1	4.3	-117.92	701.6	-541.1	897.3	888.1	9.22	97.370	
2,400.0	2,398.7	2,384.2	2,384.2	5.1	4.3	-118.08	701.6	-541.1	898.9	889.6	9.28	96.836	
2,425.0	2,423.4	2,408.9	2,408.9	5.2	4.3	-118.25	701.6	-541.1	900.6	891.3	9.35	96.300	
2,450.0	2,448.2	2,433.7	2,433.7	5.3	4.3	-118.43	701.6	-541.1	902.4	893.0	9.42	95.783	
2,475.0	2,472.8	2,458.3	2,458.3	5.4	4.4	-118.61	701.6	-541.1	904.4	894.9	9.49	95.283	
2,500.0	2,497.5	2,483.0	2,483.0	5.4	4.4	-118.81	701.6	-541.1	906.4	896.9	9.56	94.802	
2,525.0	2,522.1	2,509.5	2,509.5	5.5	4.4	-119.03	701.6	-541.1	908.6	899.0	9.62	94.474	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,540.5	2,540.5	5.6	4.4	-119.30	701.6	-540.8	910.8	901.1	9.67	94.179	
2,575.0	2,571.2	2,571.6	2,571.6	5.7	4.4	-119.57	701.6	-540.2	912.9	903.1	9.72	93.909	
2,600.0	2,595.6	2,602.7	2,602.7	5.7	4.5	-119.86	701.6	-539.3	914.9	905.1	9.75	93.825	
2,625.0	2,620.1	2,634.0	2,633.9	5.8	4.5	-120.14	701.6	-538.0	916.7	906.9	9.81	93.453	
2,650.0	2,644.6	2,665.3	2,665.2	5.9	4.5	-120.40	701.6	-536.3	918.4	908.5	9.87	93.075	
2,675.0	2,669.1	2,696.8	2,696.6	5.9	4.5	-120.65	701.6	-534.3	919.9	910.0	9.92	92.694	
2,700.0	2,693.6	2,728.3	2,728.1	6.0	4.5	-120.88	701.6	-532.0	921.2	911.3	9.98	92.275	
2,725.0	2,718.1	2,757.8	2,757.5	6.1	4.5	-121.08	701.6	-529.5	922.4	912.4	10.04	91.841	
2,750.0	2,742.6	2,782.7	2,782.2	6.2	4.5	-121.24	701.6	-527.4	923.5	913.4	10.11	91.395	
2,775.0	2,767.1	2,807.5	2,806.9	6.3	4.5	-121.41	701.6	-525.2	924.7	914.5	10.17	90.950	
2,800.0	2,791.6	2,832.3	2,831.7	6.4	4.5	-121.57	701.6	-523.0	925.8	915.6	10.23	90.501	
2,825.0	2,816.1	2,857.1	2,856.4	6.4	4.5	-121.74	701.6	-520.9	927.0	916.7	10.30	90.038	
2,850.0	2,840.6	2,882.0	2,881.2	6.5	4.6	-121.90	701.6	-518.7	928.2	917.8	10.36	89.579	
2,875.0	2,865.1	2,906.8	2,905.9	6.6	4.6	-122.06	701.6	-516.5	929.4	918.9	10.43	89.120	
2,900.0	2,889.6	2,931.6	2,930.6	6.7	4.6	-122.22	701.6	-514.4	930.5	920.0	10.50	88.656	
2,925.0	2,914.1	2,956.5	2,955.4	6.8	4.6	-122.38	701.6	-512.2	931.7	921.2	10.57	88.179	
2,950.0	2,938.6	2,981.3	2,980.1	6.9	4.6	-122.55	701.6	-510.0	932.9	922.3	10.64	87.706	
2,975.0	2,963.1	3,006.1	3,004.8	7.0	4.6	-122.71	701.6	-507.9	934.1	923.4	10.71	87.235	
3,000.0	2,987.6	3,031.0	3,029.6	7.1	4.6	-122.87	701.6	-505.7	935.3	924.6	10.78	86.760	
3,025.0	3,012.1	3,055.8	3,054.3	7.2	4.6	-123.03	701.6	-503.5	936.6	925.7	10.86	86.274	
3,050.0	3,036.6	3,080.6	3,079.1	7.2	4.6	-123.19	701.6	-501.4	937.8	926.9	10.93	85.792	
3,075.0	3,061.1	3,105.5	3,103.8	7.3	4.7	-123.35	701.6	-499.2	939.0	928.0	11.01	85.312	
3,100.0	3,085.6	3,130.3	3,128.5	7.4	4.7	-123.51	701.6	-497.1	940.3	929.2	11.08	84.830	
3,125.0	3,110.1	3,155.1	3,153.3	7.5	4.7	-123.67	701.6	-494.9	941.5	930.4	11.16	84.339	
3,150.0	3,134.6	3,180.0	3,178.0	7.6	4.7	-123.82	701.6	-492.7	942.8	931.5	11.24	83.852	
3,175.0	3,159.1	3,204.8	3,202.7	7.7	4.7	-123.98	701.6	-490.6	944.0	932.7	11.32	83.367	
3,200.0	3,183.6	3,229.6	3,227.5	7.8	4.7	-124.14	701.6	-488.4	945.3	933.9	11.41	82.882	
3,225.0	3,208.1	3,254.4	3,252.2	7.9	4.7	-124.30	701.6	-486.2	946.6	935.1	11.49	82.389	
3,250.0	3,232.6	3,279.3	3,276.9	8.0	4.7	-124.45	701.6	-484.1	947.9	936.3	11.57	81.900	
3,275.0	3,257.1	3,304.1	3,301.7	8.1	4.7	-124.61	701.6	-481.9	949.2	937.5	11.66	81.415	
3,300.0	3,281.6	3,328.9	3,326.4	8.2	4.8	-124.76	701.6	-479.7	950.5	938.7	11.74	80.929	
3,325.0	3,306.1	3,353.8	3,351.2	8.3	4.8	-124.92	701.6	-477.6	951.8	939.9	11.83	80.438	
3,350.0	3,330.6	3,378.6	3,375.9	8.4	4.8	-125.07	701.6	-475.4	953.1	941.2	11.92	79.950	
3,375.0	3,355.1	3,403.4	3,400.6	8.5	4.8	-125.23	701.6	-473.2	954.4	942.4	12.01	79.467	
3,400.0	3,379.6	3,428.3	3,425.4	8.6	4.8	-125.38	701.6	-471.1	955.7	943.6	12.10	78.984	
3,425.0	3,404.1	3,453.1	3,450.1	8.7	4.8	-125.54	701.6	-468.9	957.1	944.9	12.19	78.496	
3,450.0	3,428.6	3,477.9	3,474.8	8.8	4.8	-125.69	701.6	-466.8	958.4	946.1	12.29	78.014	
3,475.0	3,453.1	3,502.8	3,499.6	8.9	4.9	-125.84	701.6	-464.6	959.8	947.4	12.38	77.534	
3,500.0	3,477.6	3,527.6	3,524.3	9.0	4.9	-125.99	701.6	-462.4	961.1	948.7	12.47	77.057	
3,525.0	3,502.1	3,552.4	3,549.1	9.1	4.9	-126.14	701.6	-460.3	962.5	949.9	12.57	76.576	
3,550.0	3,526.6	3,577.3	3,573.8	9.2	4.9	-126.30	701.6	-458.1	963.9	951.2	12.67	76.100	
3,575.0	3,551.1	3,602.1	3,598.5	9.3	4.9	-126.45	701.6	-455.9	965.2	952.5	12.76	75.628	
3,600.0	3,575.6	3,626.9	3,623.3	9.4	4.9	-126.60	701.6	-453.8	966.6	953.8	12.86	75.157	
3,625.0	3,600.1	3,651.7	3,648.0	9.5	5.0	-126.75	701.6	-451.6	968.0	955.0	12.96	74.685	
3,650.0	3,624.6	3,676.6	3,672.7	9.6	5.0	-126.90	701.6	-449.4	969.4	956.3	13.06	74.218	
3,675.0	3,649.1	3,701.4	3,697.5	9.7	5.0	-127.05	701.6	-447.3	970.8	957.6	13.16	73.754	
3,700.0	3,673.6	3,726.2	3,722.2	9.9	5.0	-127.20	701.6	-445.1	972.2	959.0	13.26	73.293	
3,725.0	3,698.1	3,751.1	3,746.9	10.0	5.0	-127.34	701.6	-442.9	973.6	960.3	13.37	72.831	
3,750.0	3,722.6	3,775.9	3,771.7	10.1	5.0	-127.49	701.6	-440.8	975.1	961.6	13.47	72.374	
3,775.0	3,747.1	3,800.7	3,796.4	10.2	5.1	-127.64	701.6	-438.6	976.5	962.9	13.58	71.921	
3,800.0	3,771.6	3,825.6	3,821.2	10.3	5.1	-127.79	701.6	-436.5	977.9	964.2	13.68	71.470	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
3,825.0	3,796.1	3,850.4	3,845.9	10.4	5.1	-127.93	701.6	-434.3	979.4	965.6	13.79	71.019	
3,850.0	3,820.5	3,875.2	3,870.6	10.5	5.1	-128.08	701.6	-432.1	980.8	966.9	13.90	70.573	
3,875.0	3,845.0	3,900.1	3,895.4	10.6	5.1	-128.23	701.6	-430.0	982.3	968.3	14.01	70.132	
3,900.0	3,869.5	3,924.9	3,920.1	10.7	5.1	-128.37	701.6	-427.8	983.7	969.6	14.12	69.693	
3,925.0	3,894.0	3,949.7	3,944.8	10.8	5.2	-128.52	701.6	-425.6	985.2	971.0	14.23	69.255	
3,950.0	3,918.5	3,974.6	3,969.6	10.9	5.2	-128.66	701.6	-423.5	986.7	972.3	14.34	68.821	
3,975.0	3,943.0	3,999.4	3,994.3	11.0	5.2	-128.80	701.6	-421.3	988.2	973.7	14.45	68.392	
4,000.0	3,967.5	4,024.2	4,019.1	11.1	5.2	-128.95	701.6	-419.1	989.6	975.1	14.56	67.966	
4,025.0	3,992.0	4,049.1	4,043.8	11.2	5.2	-129.09	701.6	-417.0	991.1	976.5	14.67	67.541	
4,050.0	4,016.5	4,073.9	4,068.5	11.4	5.2	-129.23	701.6	-414.8	992.6	977.8	14.79	67.120	
4,075.0	4,041.0	4,098.7	4,093.3	11.5	5.3	-129.38	701.6	-412.7	994.1	979.2	14.90	66.704	
4,100.0	4,065.5	4,123.5	4,118.0	11.6	5.3	-129.52	701.6	-410.5	995.6	980.6	15.02	66.291	
4,125.0	4,090.0	4,148.4	4,142.7	11.7	5.3	-129.66	701.6	-408.3	997.2	982.0	15.14	65.880	
4,150.0	4,114.5	4,173.2	4,167.5	11.8	5.3	-129.80	701.6	-406.2	998.7	983.4	15.25	65.473	
6,650.0	6,592.3	6,663.7	6,648.5	19.5	7.7	-54.25	701.6	-189.1	998.8	974.8	24.07	41.502	
6,675.0	6,617.3	6,688.6	6,673.3	19.6	7.7	-54.18	701.6	-186.9	997.1	973.0	24.08	41.404	
6,700.0	6,642.3	6,713.5	6,698.1	19.6	7.8	-54.10	701.6	-184.8	995.3	971.2	24.10	41.305	
6,725.0	6,667.3	6,738.4	6,723.0	19.6	7.8	-54.03	701.6	-182.6	993.5	969.4	24.11	41.207	
6,750.0	6,692.3	6,763.4	6,747.8	19.6	7.8	-53.96	701.6	-180.4	991.8	967.6	24.13	41.109	
6,775.0	6,717.3	6,788.3	6,772.6	19.6	7.8	-53.88	701.6	-178.2	990.0	965.9	24.14	41.011	
6,800.0	6,742.3	6,813.2	6,797.4	19.6	7.9	-53.81	701.6	-176.1	988.2	964.1	24.15	40.913	
6,825.0	6,767.3	6,838.1	6,822.2	19.6	7.9	-53.73	701.6	-173.9	986.5	962.3	24.17	40.815	
6,850.0	6,792.3	6,863.0	6,847.0	19.6	7.9	-53.66	701.6	-171.7	984.7	960.5	24.18	40.717	
6,875.0	6,817.3	6,887.9	6,871.8	19.6	7.9	-53.58	701.6	-169.6	983.0	958.8	24.20	40.619	
6,900.0	6,842.3	6,912.8	6,896.6	19.6	8.0	-53.51	701.6	-167.4	981.2	957.0	24.21	40.522	
6,925.0	6,867.3	6,937.7	6,921.4	19.7	8.0	-53.43	701.6	-165.2	979.5	955.2	24.23	40.424	
6,950.0	6,892.3	6,962.6	6,946.2	19.7	8.0	-53.36	701.6	-163.0	977.7	953.5	24.24	40.327	
6,975.0	6,917.3	6,987.5	6,971.1	19.7	8.1	-53.28	701.6	-160.9	976.0	951.7	24.26	40.230	
7,000.0	6,942.3	7,012.4	6,995.9	19.7	8.1	-53.20	701.6	-158.7	974.2	949.9	24.27	40.133	
7,025.0	6,967.3	7,037.3	7,020.7	19.7	8.1	-53.13	701.6	-156.5	972.5	948.2	24.29	40.036	
7,050.0	6,992.3	7,062.2	7,045.5	19.7	8.1	-53.05	701.6	-154.4	970.7	946.4	24.31	39.939	
7,075.0	7,017.3	7,087.1	7,070.3	19.7	8.2	-52.97	701.6	-152.2	969.0	944.7	24.32	39.842	
7,100.0	7,042.3	7,112.0	7,095.1	19.7	8.2	-52.89	701.6	-150.0	967.2	942.9	24.34	39.746	
7,125.0	7,067.3	7,136.9	7,119.9	19.7	8.2	-52.82	701.6	-147.9	965.5	941.1	24.35	39.649	
7,150.0	7,092.3	7,161.8	7,144.7	19.8	8.3	-52.74	701.6	-145.7	963.8	939.4	24.37	39.553	
7,175.0	7,117.3	7,186.7	7,169.5	19.8	8.3	-52.66	701.6	-143.5	962.0	937.6	24.38	39.457	
7,200.0	7,142.3	7,211.6	7,194.3	19.8	8.3	-52.58	701.6	-141.3	960.3	935.9	24.40	39.360	
7,225.0	7,167.3	7,236.5	7,219.2	19.8	8.3	-52.50	701.6	-139.2	958.6	934.1	24.41	39.264	
7,250.0	7,192.3	7,261.5	7,244.0	19.8	8.4	-52.42	701.6	-137.0	956.8	932.4	24.43	39.169	
7,275.0	7,217.3	7,286.4	7,268.8	19.8	8.4	-52.34	701.6	-134.8	955.1	930.7	24.44	39.073	
7,300.0	7,242.3	7,311.3	7,293.6	19.8	8.4	-52.26	701.6	-132.7	953.4	928.9	24.46	38.977	
7,325.0	7,267.3	7,336.2	7,318.4	19.8	8.4	-52.18	701.6	-130.5	951.6	927.2	24.48	38.882	
7,350.0	7,292.3	7,361.1	7,343.2	19.8	8.5	-52.10	701.6	-128.3	949.9	925.4	24.49	38.787	
7,375.0	7,317.3	7,386.0	7,368.0	19.9	8.5	-52.02	701.6	-126.1	948.2	923.7	24.51	38.692	
7,400.0	7,342.3	7,410.9	7,392.8	19.9	8.5	-51.94	701.6	-124.0	946.5	922.0	24.52	38.597	
7,425.0	7,367.3	7,435.8	7,417.6	19.9	8.6	-51.86	701.6	-121.8	944.8	920.2	24.54	38.502	
7,450.0	7,392.3	7,460.7	7,442.4	19.9	8.6	-51.78	701.6	-119.6	943.0	918.5	24.55	38.407	
7,475.0	7,417.3	7,485.6	7,467.3	19.9	8.6	-51.70	701.6	-117.5	941.3	916.8	24.57	38.312	
7,500.0	7,442.3	7,510.5	7,492.1	19.9	8.6	-51.61	701.6	-115.3	939.6	915.0	24.59	38.218	
7,525.0	7,467.3	7,535.4	7,516.9	19.9	8.7	-51.53	701.6	-113.1	937.9	913.3	24.60	38.123	
7,550.0	7,492.3	7,560.3	7,541.7	19.9	8.7	-51.45	701.6	-111.0	936.2	911.6	24.62	38.029	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,575.0	7,517.3	7,585.2	7,566.5	19.9	8.7	-51.37	701.6	-108.8	934.5	909.9	24.63	37.935	
7,600.0	7,542.3	7,610.1	7,591.3	20.0	8.8	-51.28	701.6	-106.6	932.8	908.1	24.65	37.841	
7,625.0	7,567.3	7,635.0	7,616.1	20.0	8.8	-51.20	701.6	-104.4	931.1	906.4	24.67	37.748	
7,650.0	7,592.3	7,659.9	7,640.9	20.0	8.8	-51.11	701.6	-102.3	929.4	904.7	24.68	37.654	
7,675.0	7,617.3	7,684.8	7,665.7	20.0	8.8	-51.03	701.6	-100.1	927.7	903.0	24.70	37.560	
7,700.0	7,642.3	7,709.7	7,690.5	20.0	8.9	-50.95	701.6	-97.9	926.0	901.3	24.72	37.467	
7,725.0	7,667.3	7,734.6	7,715.4	20.0	8.9	-50.86	701.6	-95.8	924.3	899.6	24.73	37.374	
7,750.0	7,692.3	7,759.5	7,740.2	20.0	8.9	-50.77	701.6	-93.6	922.6	897.9	24.75	37.281	
7,775.0	7,717.3	7,784.5	7,765.0	20.0	9.0	-50.69	701.6	-91.4	920.9	896.2	24.76	37.188	
7,800.0	7,742.3	7,809.4	7,789.8	20.0	9.0	-50.60	701.6	-89.2	919.2	894.5	24.78	37.095	
7,825.0	7,767.3	7,834.3	7,814.6	20.1	9.0	-50.52	701.6	-87.1	917.6	892.8	24.80	37.003	
7,850.0	7,792.3	7,859.2	7,839.4	20.1	9.0	-50.43	701.6	-84.9	915.9	891.1	24.81	36.910	
7,875.0	7,817.3	7,884.1	7,864.2	20.1	9.1	-50.34	701.6	-82.7	914.2	889.4	24.83	36.818	
7,900.0	7,842.3	7,909.0	7,889.0	20.1	9.1	-50.26	701.6	-80.6	912.5	887.7	24.85	36.726	
7,925.0	7,867.3	7,933.9	7,913.8	20.1	9.1	-50.17	701.6	-78.4	910.8	886.0	24.86	36.634	
7,950.0	7,892.3	7,958.8	7,938.7	20.1	9.2	-50.08	701.6	-76.2	909.2	884.3	24.88	36.542	
7,975.0	7,917.3	7,983.7	7,963.5	20.1	9.2	-49.99	701.6	-74.1	907.5	882.6	24.90	36.450	
8,000.0	7,942.3	8,008.6	7,988.3	20.1	9.2	-49.90	701.6	-71.9	905.8	880.9	24.91	36.358	
8,025.0	7,967.3	8,033.5	8,013.1	20.1	9.2	-49.82	701.6	-69.7	904.2	879.2	24.93	36.267	
8,050.0	7,992.3	8,058.4	8,037.9	20.2	9.3	-49.73	701.6	-67.5	902.5	877.5	24.95	36.176	
8,075.0	8,017.3	8,083.3	8,062.7	20.2	9.3	-49.64	701.6	-65.4	900.8	875.9	24.96	36.085	
8,100.0	8,042.3	8,108.2	8,087.5	20.2	9.3	-49.55	701.6	-63.2	899.2	874.2	24.98	35.994	
8,125.0	8,067.3	8,133.1	8,112.3	20.2	9.4	-49.46	701.6	-61.0	897.5	872.5	25.00	35.903	
8,150.0	8,092.3	8,158.0	8,137.1	20.2	9.4	-49.37	701.6	-58.9	895.8	870.8	25.01	35.812	
8,175.0	8,117.3	8,182.9	8,161.9	20.2	9.4	-49.28	701.6	-56.7	894.2	869.2	25.03	35.722	
8,200.0	8,142.3	8,207.8	8,186.8	20.2	9.5	-49.19	701.6	-54.5	892.5	867.5	25.05	35.631	
8,225.0	8,167.3	8,232.7	8,211.6	20.2	9.5	-49.09	701.6	-52.3	890.9	865.8	25.07	35.541	
8,250.0	8,192.3	8,257.6	8,236.4	20.2	9.5	-49.00	701.6	-50.2	889.2	864.2	25.08	35.451	
8,275.0	8,217.3	8,282.6	8,261.2	20.3	9.5	-48.91	701.6	-48.0	887.6	862.5	25.10	35.361	
8,300.0	8,242.3	8,307.5	8,286.0	20.3	9.6	-48.82	701.6	-45.8	885.9	860.8	25.12	35.272	
8,325.0	8,267.3	8,332.4	8,310.8	20.3	9.6	-48.72	701.6	-43.7	884.3	859.2	25.14	35.182	
8,350.0	8,292.3	8,357.3	8,335.6	20.3	9.6	-48.63	701.6	-41.5	882.7	857.5	25.15	35.093	
8,375.0	8,317.3	8,382.2	8,360.4	20.3	9.7	-48.54	701.6	-39.3	881.0	855.9	25.17	35.003	
8,400.0	8,342.3	8,407.1	8,385.2	20.3	9.7	-48.44	701.6	-37.2	879.4	854.2	25.19	34.914	
8,425.0	8,367.3	8,432.0	8,410.0	20.3	9.7	-48.35	701.6	-35.0	877.8	852.6	25.20	34.825	
8,450.0	8,392.3	8,456.9	8,434.9	20.3	9.7	-48.26	701.6	-32.8	876.1	850.9	25.22	34.737	
8,475.0	8,417.3	8,481.8	8,459.7	20.3	9.8	-48.16	701.6	-30.6	874.5	849.3	25.24	34.648	
8,500.0	8,442.3	8,506.7	8,484.5	20.4	9.8	-48.07	701.6	-28.5	872.9	847.6	25.26	34.560	
8,525.0	8,467.3	8,531.6	8,509.3	20.4	9.8	-47.97	701.6	-26.3	871.3	846.0	25.27	34.471	
8,550.0	8,492.3	8,556.5	8,534.1	20.4	9.9	-47.87	701.6	-24.1	869.6	844.3	25.29	34.383	
8,575.0	8,517.3	8,581.4	8,558.9	20.4	9.9	-47.78	701.6	-22.0	868.0	842.7	25.31	34.295	
8,600.0	8,542.3	8,606.3	8,583.7	20.4	9.9	-47.68	701.6	-19.8	866.4	841.1	25.33	34.207	
8,625.0	8,567.3	8,631.2	8,608.5	20.4	10.0	-47.58	701.6	-17.6	864.8	839.4	25.35	34.120	
8,650.0	8,592.3	8,656.1	8,633.3	20.4	10.0	-47.49	701.6	-15.4	863.2	837.8	25.36	34.032	
8,675.0	8,617.3	8,681.0	8,658.1	20.4	10.0	-47.39	701.6	-13.3	861.6	836.2	25.38	33.945	
8,700.0	8,642.3	8,705.9	8,683.0	20.5	10.0	-47.29	701.6	-11.1	860.0	834.6	25.40	33.858	
8,725.0	8,667.3	8,730.8	8,707.8	20.5	10.1	-47.19	701.6	-8.9	858.4	832.9	25.42	33.771	
8,750.0	8,692.3	8,755.7	8,732.6	20.5	10.1	-47.09	701.6	-6.8	856.8	831.3	25.44	33.684	
8,775.0	8,717.3	8,780.6	8,757.4	20.5	10.1	-46.99	701.6	-4.6	855.2	829.7	25.45	33.597	
8,800.0	8,742.3	8,805.6	8,782.2	20.5	10.2	-46.89	701.6	-2.4	853.6	828.1	25.47	33.511	
8,825.0	8,767.3	8,830.5	8,807.0	20.5	10.2	-46.79	701.6	-0.3	852.0	826.5	25.49	33.424	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,850.0	8,792.3	8,855.4	8,831.8	20.5	10.2	-46.69	701.6	1.9	850.4	824.9	25.51	33.338	
8,875.0	8,817.3	8,880.3	8,856.6	20.5	10.2	-46.59	701.6	4.1	848.8	823.3	25.53	33.252	
8,900.0	8,842.3	8,905.2	8,881.4	20.5	10.3	-46.49	701.6	6.3	847.2	821.7	25.54	33.167	
8,925.0	8,867.3	8,930.1	8,906.2	20.6	10.3	-46.39	701.6	8.4	845.6	820.1	25.56	33.081	
8,950.0	8,892.3	8,955.0	8,931.1	20.6	10.3	-46.29	701.6	10.6	844.1	818.5	25.58	32.995	
8,975.0	8,917.3	8,979.9	8,955.9	20.6	10.4	-46.19	701.6	12.8	842.5	816.9	25.60	32.910	
9,000.0	8,942.3	9,004.8	8,980.7	20.6	10.4	-46.08	701.6	14.9	840.9	815.3	25.62	32.825	
9,025.0	8,967.3	9,029.7	9,005.5	20.6	10.4	-45.98	701.6	17.1	839.3	813.7	25.64	32.740	
9,050.0	8,992.3	9,054.6	9,030.3	20.6	10.5	-45.88	701.6	19.3	837.8	812.1	25.66	32.655	
9,075.0	9,017.3	9,079.5	9,055.1	20.6	10.5	-45.77	701.6	21.5	836.2	810.5	25.67	32.570	
9,100.0	9,042.3	9,104.4	9,079.9	20.6	10.5	-45.67	701.6	23.6	834.6	808.9	25.69	32.486	
9,125.0	9,067.3	9,129.3	9,104.7	20.7	10.5	-45.57	701.6	25.8	833.1	807.4	25.71	32.406	
9,150.0	9,092.3	9,154.2	9,129.5	20.7	10.6	-45.46	701.6	28.0	831.5	805.8	25.72	32.327	
9,175.0	9,117.3	9,179.1	9,154.3	20.7	10.6	-45.36	701.6	30.1	830.0	804.2	25.74	32.248	
9,179.3	9,121.5	9,183.4	9,158.6	20.7	10.6	-45.34	701.6	30.5	829.7	804.0	25.74	32.235	
9,200.0	9,142.3	9,204.0	9,179.1	20.7	10.6	-45.34	701.6	32.3	828.1	802.3	25.79	32.115	
9,225.0	9,167.2	9,228.9	9,203.9	20.7	10.7	-45.56	701.6	34.5	825.3	799.5	25.81	31.977	
9,250.0	9,192.0	9,253.6	9,228.5	20.7	10.7	-45.92	701.6	36.6	821.7	795.8	25.85	31.789	
9,275.0	9,216.6	9,278.1	9,252.9	20.7	10.7	-46.44	701.6	38.8	817.1	791.2	25.90	31.550	
9,300.0	9,241.0	9,302.4	9,277.1	20.7	10.8	-47.11	701.6	40.9	811.6	785.7	25.96	31.263	
9,325.0	9,265.0	9,326.3	9,301.0	20.7	10.8	-47.94	701.6	43.0	805.3	779.3	26.04	30.929	
9,350.0	9,288.7	9,349.9	9,324.4	20.7	10.8	-48.93	701.6	45.0	798.2	772.1	26.13	30.549	
9,375.0	9,311.8	9,372.9	9,347.4	20.7	10.8	-50.09	701.6	47.0	790.3	764.0	26.23	30.126	
9,400.0	9,334.5	9,395.5	9,369.9	20.7	10.9	-51.43	701.6	49.0	781.6	755.3	26.35	29.661	
9,425.0	9,356.6	9,417.5	9,391.8	20.7	10.9	-52.94	701.6	50.9	772.2	745.7	26.48	29.158	
9,450.0	9,378.0	9,438.9	9,413.1	20.7	10.9	-54.62	701.6	52.8	762.2	735.6	26.63	28.620	
9,475.0	9,398.7	9,459.5	9,433.6	20.7	10.9	-56.49	701.6	54.6	751.6	724.8	26.80	28.049	
9,500.0	9,418.7	9,479.4	9,453.5	20.7	11.0	-58.53	701.6	56.3	740.5	713.5	26.98	27.450	
9,525.0	9,437.9	9,498.5	9,472.5	20.7	11.0	-60.74	701.6	58.0	728.9	701.7	27.17	26.825	
9,550.0	9,456.1	9,516.7	9,490.6	20.7	11.0	-63.09	701.6	59.6	716.9	689.6	27.39	26.178	
9,575.0	9,473.5	9,534.0	9,507.8	20.7	11.0	-65.59	701.6	61.1	704.7	677.1	27.62	25.515	
9,600.0	9,489.9	9,550.3	9,524.1	20.7	11.1	-68.19	701.6	62.5	692.3	664.4	27.87	24.840	
9,625.0	9,505.3	9,565.7	9,539.4	20.8	11.1	-70.86	701.6	63.8	679.7	651.6	28.14	24.157	
9,650.0	9,519.6	9,579.9	9,553.6	20.8	11.1	-73.57	701.6	65.1	667.1	638.7	28.42	23.471	
9,675.0	9,532.9	9,593.1	9,566.8	20.8	11.1	-76.29	701.6	66.2	654.7	625.9	28.73	22.788	
9,700.0	9,545.0	9,605.2	9,578.8	20.8	11.1	-78.95	701.6	67.3	642.4	613.4	29.05	22.114	
9,725.0	9,556.0	9,616.1	9,589.7	20.8	11.1	-81.53	701.6	68.2	630.5	601.1	29.39	21.453	
9,750.0	9,565.8	9,625.9	9,599.4	20.8	11.1	-83.97	701.6	69.1	619.0	589.2	29.74	20.811	
9,775.0	9,574.3	9,634.4	9,607.9	20.9	11.2	-86.25	701.6	69.8	608.0	577.9	30.11	20.195	
9,800.0	9,581.6	9,641.7	9,615.1	20.9	11.2	-88.32	701.6	70.4	597.7	567.3	30.48	19.610	
9,825.0	9,587.7	9,647.7	9,621.1	20.9	11.2	-90.17	701.6	71.0	588.2	557.4	30.86	19.060	
9,850.0	9,592.4	9,652.4	9,625.9	20.9	11.2	-91.76	701.6	71.4	579.6	548.3	31.24	18.551	
9,875.0	9,595.9	9,655.9	9,629.3	21.0	11.2	-93.09	701.6	71.7	571.9	540.3	31.62	18.087	
9,900.0	9,598.1	9,658.1	9,631.5	21.0	11.2	-94.13	701.6	71.9	565.3	533.3	31.99	17.672	
9,925.0	9,599.0	9,659.0	9,632.3	21.0	11.2	-94.90	701.6	72.0	559.8	527.4	32.34	17.309	
9,925.6	9,599.0	9,659.0	9,632.4	21.0	11.2	-94.91	701.6	72.0	559.7	527.3	32.35	17.302	
9,950.0	9,599.2	9,659.1	9,632.5	21.1	11.2	-94.93	701.6	72.0	555.4	522.7	32.68	16.997	
9,975.0	9,599.4	9,659.3	9,632.7	21.1	11.2	-94.95	701.6	72.0	552.1	519.2	32.99	16.738	
10,000.0	9,599.6	9,659.5	9,632.9	21.1	11.2	-94.97	701.6	72.0	550.0	516.7	33.27	16.532	
10,025.0	9,599.8	9,659.7	9,633.1	21.2	11.2	-94.99	701.6	72.0	549.0	515.4	33.53	16.375	
10,034.9	9,599.8	9,659.8	9,633.2	21.2	11.2	-95.00	701.6	72.0	548.9	515.3	33.62	16.327 CC, ES	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,050.0	9,600.0	9,659.9	9,633.3	21.2	11.2	-95.01	701.6	72.0	549.1	515.3	33.75	16.271	
10,075.0	9,600.2	9,660.1	9,633.5	21.3	11.2	-95.03	701.6	72.1	550.3	516.4	33.93	16.220 SF	
10,100.0	9,600.3	9,660.3	9,633.7	21.3	11.2	-95.05	701.6	72.1	552.7	518.6	34.07	16.222	
10,125.0	9,600.5	9,660.5	9,633.9	21.4	11.2	-95.07	701.6	72.1	556.2	522.0	34.19	16.270	
10,150.0	9,600.7	9,660.7	9,634.1	21.5	11.2	-95.09	701.6	72.1	560.8	526.6	34.26	16.369	
10,175.0	9,600.9	9,660.9	9,634.2	21.5	11.2	-95.11	701.6	72.1	566.5	532.2	34.30	16.517	
10,200.0	9,601.1	9,661.0	9,634.4	21.6	11.2	-95.13	701.6	72.1	573.2	538.9	34.30	16.712	
10,225.0	9,601.3	9,661.2	9,634.6	21.6	11.2	-95.15	701.6	72.2	580.9	546.6	34.27	16.949	
10,250.0	9,601.5	9,661.4	9,634.8	21.7	11.2	-95.17	701.6	72.2	589.5	555.3	34.22	17.229	
10,275.0	9,601.7	9,661.6	9,635.0	21.8	11.2	-95.19	701.6	72.2	599.1	565.0	34.13	17.552	
10,300.0	9,601.9	9,661.8	9,635.2	21.8	11.2	-95.21	701.6	72.2	609.5	575.5	34.02	17.915	
10,325.0	9,602.1	9,662.0	9,635.4	21.9	11.2	-95.23	701.6	72.2	620.8	586.9	33.90	18.312	
10,350.0	9,602.3	9,662.2	9,635.6	22.0	11.2	-95.25	701.6	72.2	632.9	599.1	33.76	18.746	
10,375.0	9,602.5	9,662.4	9,635.8	22.1	11.2	-95.27	701.6	72.3	645.7	612.1	33.60	19.214	
10,400.0	9,602.7	9,662.6	9,635.9	22.1	11.2	-95.29	701.6	72.3	659.2	625.8	33.44	19.715	
10,425.0	9,602.9	9,662.8	9,636.1	22.2	11.2	-95.31	701.6	72.3	673.4	640.1	33.26	20.243	
10,450.0	9,603.1	9,663.0	9,636.3	22.3	11.2	-95.33	701.6	72.3	688.2	655.1	33.08	20.801	
10,475.0	9,603.3	9,663.1	9,636.5	22.4	11.2	-95.35	701.6	72.3	703.5	670.6	32.90	21.385	
10,500.0	9,603.4	9,663.3	9,636.7	22.5	11.2	-95.37	701.6	72.3	719.4	686.7	32.71	21.995	
10,525.0	9,603.6	9,663.5	9,636.9	22.6	11.2	-95.39	701.6	72.4	735.8	703.3	32.52	22.626	
10,550.0	9,603.8	9,663.7	9,637.1	22.6	11.2	-95.41	701.6	72.4	752.7	720.4	32.33	23.280	
10,575.0	9,604.0	9,663.9	9,637.3	22.7	11.2	-95.43	701.6	72.4	770.0	737.9	32.15	23.954	
10,600.0	9,604.2	9,664.1	9,637.5	22.8	11.2	-95.45	701.6	72.4	787.8	755.8	31.96	24.649	
10,625.0	9,604.4	9,664.3	9,637.7	22.9	11.2	-95.47	701.6	72.4	805.9	774.1	31.78	25.359	
10,650.0	9,604.6	9,664.5	9,637.8	23.0	11.2	-95.49	701.6	72.4	824.4	792.8	31.60	26.086	
10,675.0	9,604.8	9,664.7	9,638.0	23.1	11.2	-95.51	701.6	72.5	843.2	811.8	31.43	26.830	
10,700.0	9,605.0	9,664.9	9,638.2	23.2	11.2	-95.53	701.6	72.5	862.3	831.1	31.26	27.588	
10,725.0	9,605.2	9,665.0	9,638.4	23.3	11.2	-95.55	701.6	72.5	881.7	850.6	31.09	28.358	
10,750.0	9,605.4	9,665.2	9,638.6	23.4	11.2	-95.57	701.6	72.5	901.4	870.5	30.93	29.141	
10,775.0	9,605.6	9,665.4	9,638.8	23.5	11.2	-95.59	701.6	72.5	921.4	890.6	30.78	29.936	
10,800.0	9,605.8	9,665.6	9,639.0	23.6	11.2	-95.61	701.6	72.5	941.6	911.0	30.63	30.743	
10,825.0	9,606.0	9,665.8	9,639.2	23.7	11.2	-95.63	701.6	72.6	962.0	931.5	30.48	31.557	
10,850.0	9,606.2	9,666.0	9,639.4	23.8	11.2	-95.65	701.6	72.6	982.6	952.3	30.35	32.382	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2														Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR														Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	3.0	-39.15	701.4	-571.0	904.6						
25.0	25.0	10.4	10.4	0.5	3.0	-39.15	701.4	-571.0	904.4						
50.0	50.0	35.4	35.4	0.5	3.0	-39.15	701.4	-571.0	904.4	899.7	4.72	191.415			
75.0	75.0	60.4	60.4	0.5	3.0	-39.15	701.4	-571.0	904.4	899.7	4.73	191.411			
100.0	100.0	85.4	85.4	0.5	3.0	-39.15	701.4	-571.0	904.4	899.7	4.73	191.406			
125.0	125.0	110.4	110.4	0.6	3.0	-39.15	701.4	-571.0	904.4	899.7	4.76	190.055			
150.0	150.0	135.4	135.4	0.8	3.0	-39.15	701.4	-571.0	904.4	899.6	4.80	188.431			
175.0	175.0	160.4	160.4	0.9	3.0	-39.15	701.4	-571.0	904.4	899.6	4.85	186.562			
200.0	200.0	185.4	185.4	1.0	3.0	-39.15	701.4	-571.0	904.4	899.5	4.90	184.471			
225.0	225.0	210.4	210.4	1.1	3.0	-39.15	701.4	-571.0	904.4	899.5	4.94	182.961			
250.0	250.0	235.4	235.4	1.2	3.0	-39.15	701.4	-571.0	904.4	899.4	4.99	181.368			
275.0	275.0	260.4	260.4	1.3	3.0	-39.15	701.4	-571.0	904.4	899.4	5.03	179.699			
300.0	300.0	285.4	285.4	1.4	3.0	-39.15	701.4	-571.0	904.4	899.4	5.08	177.963			
325.0	325.0	310.4	310.4	1.4	3.0	-39.15	701.4	-571.0	904.4	899.3	5.12	176.488			
350.0	350.0	335.4	335.4	1.5	3.0	-39.15	701.4	-571.0	904.4	899.3	5.17	174.975			
375.0	375.0	360.4	360.4	1.6	3.0	-39.15	701.4	-571.0	904.4	899.2	5.22	173.428			
400.0	400.0	385.4	385.4	1.6	3.0	-39.15	701.4	-571.0	904.4	899.2	5.26	171.852			
425.0	425.0	410.4	410.4	1.7	3.0	-39.15	701.4	-571.0	904.4	899.1	5.31	170.442			
450.0	450.0	435.4	435.4	1.8	3.0	-39.15	701.4	-571.0	904.4	899.1	5.35	169.013			
475.0	475.0	460.4	460.4	1.8	3.0	-39.15	701.4	-571.0	904.4	899.0	5.40	167.568			
500.0	500.0	485.4	485.4	1.9	3.1	-39.15	701.4	-571.0	904.4	899.0	5.44	166.110			
525.0	525.0	510.4	510.4	1.9	3.1	-39.15	701.4	-571.0	904.4	898.9	5.49	164.770			
550.0	550.0	535.4	535.4	2.0	3.1	-39.15	701.4	-571.0	904.4	898.9	5.53	163.422			
575.0	575.0	560.4	560.4	2.1	3.1	-39.15	701.4	-571.0	904.4	898.9	5.58	162.067			
600.0	600.0	585.4	585.4	2.1	3.1	-39.15	701.4	-571.0	904.4	898.8	5.63	160.708			
625.0	625.0	610.4	610.4	2.2	3.1	-39.15	701.4	-571.0	904.4	898.8	5.67	159.438			
650.0	650.0	635.4	635.4	2.2	3.1	-39.15	701.4	-571.0	904.4	898.7	5.72	158.166			
675.0	675.0	660.4	660.4	2.3	3.1	-39.15	701.4	-571.0	904.4	898.7	5.76	156.892			
700.0	700.0	685.4	685.4	2.3	3.1	-39.15	701.4	-571.0	904.4	898.6	5.81	155.619			
725.0	725.0	710.4	710.4	2.4	3.1	-39.15	701.4	-571.0	904.4	898.6	5.86	154.417			
750.0	750.0	735.4	735.4	2.4	3.1	-39.15	701.4	-571.0	904.4	898.5	5.90	153.216			
775.0	775.0	760.4	760.4	2.5	3.1	-39.15	701.4	-571.0	904.4	898.5	5.95	152.017			
800.0	800.0	785.4	785.4	2.5	3.1	-39.15	701.4	-571.0	904.4	898.4	6.00	150.821			
825.0	825.0	810.4	810.4	2.6	3.2	-39.15	701.4	-571.0	904.4	898.4	6.04	149.682			
850.0	850.0	835.4	835.4	2.6	3.2	-39.15	701.4	-571.0	904.4	898.3	6.09	148.548			
875.0	875.0	860.4	860.4	2.6	3.2	-39.15	701.4	-571.0	904.4	898.3	6.14	147.417			
900.0	900.0	885.4	885.4	2.7	3.2	-39.15	701.4	-571.0	904.4	898.3	6.18	146.291			
925.0	925.0	910.4	910.4	2.7	3.2	-39.15	701.4	-571.0	904.4	898.2	6.23	145.212			
950.0	950.0	935.4	935.4	2.8	3.2	-39.15	701.4	-571.0	904.4	898.2	6.27	144.139			
975.0	975.0	960.4	960.4	2.8	3.2	-39.15	701.4	-571.0	904.4	898.1	6.32	143.071			
1,000.0	1,000.0	985.4	985.4	2.9	3.2	-39.15	701.4	-571.0	904.4	898.1	6.37	142.008			
1,025.0	1,025.0	1,010.4	1,010.4	2.9	3.2	-39.15	701.4	-571.0	904.4	898.0	6.42	140.986			
1,050.0	1,050.0	1,035.4	1,035.4	3.0	3.3	-39.15	701.4	-571.0	904.4	898.0	6.46	139.970			
1,075.0	1,075.0	1,060.4	1,060.4	3.0	3.3	-39.15	701.4	-571.0	904.4	897.9	6.51	138.960			
1,100.0	1,100.0	1,085.4	1,085.4	3.0	3.3	-39.15	701.4	-571.0	904.4	897.9	6.56	137.956			
1,125.0	1,125.0	1,110.4	1,110.4	3.1	3.3	-39.15	701.4	-571.0	904.4	897.8	6.60	136.986			
1,150.0	1,150.0	1,135.4	1,135.4	3.1	3.3	-39.15	701.4	-571.0	904.4	897.8	6.65	136.023			
1,175.0	1,175.0	1,160.4	1,160.4	3.2	3.3	-39.15	701.4	-571.0	904.4	897.7	6.70	135.066			
1,200.0	1,200.0	1,185.4	1,185.4	3.2	3.3	-39.15	701.4	-571.0	904.4	897.7	6.74	134.116			
1,225.0	1,225.0	1,210.4	1,210.4	3.2	3.4	-39.15	701.4	-571.0	904.4	897.6	6.79	133.196			
1,250.0	1,250.0	1,235.4	1,235.4	3.3	3.4	-39.15	701.4	-571.0	904.4	897.6	6.84	132.282			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,275.0	1,275.0	1,260.4	1,260.4	3.3	3.4	-39.15	701.4	-571.0	904.4	897.6	6.88	131.375	
1,300.0	1,300.0	1,285.4	1,285.4	3.4	3.4	-39.15	701.4	-571.0	904.4	897.5	6.93	130.474	
1,325.0	1,325.0	1,310.4	1,310.4	3.4	3.4	-39.15	701.4	-571.0	904.4	897.5	6.98	129.600	
1,350.0	1,350.0	1,335.4	1,335.4	3.4	3.4	-39.15	701.4	-571.0	904.4	897.4	7.03	128.732	
1,375.0	1,375.0	1,360.4	1,360.4	3.5	3.5	-39.15	701.4	-571.0	904.4	897.4	7.07	127.870	
1,400.0	1,400.0	1,385.4	1,385.4	3.5	3.5	-39.15	701.4	-571.0	904.4	897.3	7.12	127.016	
1,425.0	1,425.0	1,410.4	1,410.4	3.6	3.5	-39.15	701.4	-571.0	904.4	897.3	7.17	126.184	
1,450.0	1,450.0	1,435.4	1,435.4	3.6	3.5	-39.15	701.4	-571.0	904.4	897.2	7.21	125.359	
1,475.0	1,475.0	1,460.4	1,460.4	3.6	3.5	-39.15	701.4	-571.0	904.4	897.2	7.26	124.540	
1,500.0	1,500.0	1,485.4	1,485.4	3.7	3.5	-39.15	701.4	-571.0	904.4	897.1	7.31	123.728	
1,525.0	1,525.0	1,510.4	1,510.4	3.7	3.6	-39.15	701.4	-571.0	904.4	897.1	7.36	122.937	
1,550.0	1,550.0	1,535.4	1,535.4	3.8	3.6	-39.15	701.4	-571.0	904.4	897.0	7.40	122.151	
1,575.0	1,575.0	1,560.4	1,560.4	3.8	3.6	-39.15	701.4	-571.0	904.4	897.0	7.45	121.372	
1,600.0	1,600.0	1,585.4	1,585.4	3.8	3.6	-39.15	701.4	-571.0	904.4	896.9	7.50	120.600	
1,625.0	1,625.0	1,610.4	1,610.4	3.9	3.6	-39.15	701.4	-571.0	904.4	896.9	7.55	119.845	
1,650.0	1,650.0	1,635.4	1,635.4	3.9	3.6	-39.15	701.4	-571.0	904.4	896.8	7.59	119.097	
1,675.0	1,675.0	1,660.4	1,660.4	3.9	3.7	-39.15	701.4	-571.0	904.4	896.8	7.64	118.355	
1,700.0	1,700.0	1,685.4	1,685.4	4.0	3.7	-39.15	701.4	-571.0	904.4	896.7	7.69	117.620	
1,725.0	1,725.0	1,710.4	1,710.4	4.0	3.7	-39.15	701.4	-571.0	904.4	896.7	7.74	116.900	
1,750.0	1,750.0	1,735.4	1,735.4	4.1	3.7	-39.15	701.4	-571.0	904.4	896.7	7.78	116.187	
1,775.0	1,775.0	1,760.4	1,760.4	4.1	3.7	-39.15	701.4	-571.0	904.4	896.6	7.83	115.480	
1,800.0	1,800.0	1,785.4	1,785.4	4.1	3.8	-39.15	701.4	-571.0	904.4	896.6	7.88	114.778	
1,825.0	1,825.0	1,810.4	1,810.4	4.2	3.8	-39.15	701.4	-571.0	904.4	896.5	7.93	114.091	
1,850.0	1,850.0	1,835.4	1,835.4	4.2	3.8	-39.15	701.4	-571.0	904.4	896.5	7.97	113.411	
1,875.0	1,875.0	1,860.4	1,860.4	4.2	3.8	-39.15	701.4	-571.0	904.4	896.4	8.02	112.735	
1,900.0	1,900.0	1,885.4	1,885.4	4.3	3.8	-39.15	701.4	-571.0	904.4	896.4	8.07	112.066	
1,925.0	1,925.0	1,910.4	1,910.4	4.3	3.9	-39.15	701.4	-571.0	904.4	896.3	8.12	111.410	
1,950.0	1,950.0	1,935.4	1,935.4	4.3	3.9	-39.15	701.4	-571.0	904.4	896.3	8.17	110.759	
1,975.0	1,975.0	1,960.4	1,960.4	4.4	3.9	-39.15	701.4	-571.0	904.4	896.2	8.21	110.114	
2,000.0	2,000.0	1,985.4	1,985.4	4.4	3.9	-39.15	701.4	-571.0	904.4	896.2	8.26	109.475 CC	
2,025.0	2,025.0	2,010.4	2,010.4	4.4	3.9	-118.24	701.4	-571.0	904.5	896.2	8.31	108.779 ES	
2,050.0	2,050.0	2,035.4	2,035.4	4.5	4.0	-118.25	701.4	-571.0	904.6	896.3	8.37	108.142	
2,075.0	2,075.0	2,060.4	2,060.4	4.5	4.0	-118.28	701.4	-571.0	904.9	896.5	8.41	107.561	
2,100.0	2,100.0	2,085.4	2,085.4	4.5	4.0	-118.31	701.4	-571.0	905.3	896.8	8.46	107.034	
2,125.0	2,125.0	2,110.4	2,110.4	4.6	4.0	-118.36	701.4	-571.0	905.7	897.2	8.52	106.249	
2,150.0	2,149.9	2,135.3	2,135.3	4.6	4.1	-118.42	701.4	-571.0	906.3	897.7	8.59	105.492	
2,175.0	2,174.9	2,160.3	2,160.3	4.7	4.1	-118.48	701.4	-571.0	907.0	898.3	8.66	104.764	
2,200.0	2,199.8	2,185.2	2,185.2	4.7	4.1	-118.56	701.4	-571.0	907.8	899.0	8.72	104.063	
2,225.0	2,224.8	2,210.2	2,210.2	4.7	4.1	-118.65	701.4	-571.0	908.6	899.9	8.79	103.371	
2,250.0	2,249.7	2,235.1	2,235.1	4.8	4.1	-118.74	701.4	-571.0	909.6	900.8	8.86	102.704	
2,275.0	2,274.6	2,260.0	2,260.0	4.8	4.2	-118.85	701.4	-571.0	910.7	901.8	8.92	102.060	
2,300.0	2,299.5	2,284.9	2,284.9	4.9	4.2	-118.97	701.4	-571.0	912.0	903.0	8.99	101.439	
2,325.0	2,324.3	2,309.7	2,309.7	4.9	4.2	-119.09	701.4	-571.0	913.3	904.2	9.06	100.822	
2,350.0	2,349.1	2,334.5	2,334.5	5.0	4.2	-119.23	701.4	-571.0	914.7	905.6	9.13	100.226	
2,375.0	2,373.9	2,359.3	2,359.3	5.1	4.3	-119.37	701.4	-571.0	916.3	907.1	9.19	99.651	
2,400.0	2,398.7	2,384.1	2,384.1	5.1	4.3	-119.52	701.4	-571.0	918.0	908.7	9.26	99.097	
2,425.0	2,423.4	2,408.8	2,408.8	5.2	4.3	-119.68	701.4	-571.0	919.7	910.4	9.33	98.540	
2,450.0	2,448.2	2,433.6	2,433.6	5.3	4.3	-119.86	701.4	-571.0	921.6	912.2	9.40	98.002	
2,475.0	2,472.8	2,458.2	2,458.2	5.4	4.4	-120.03	701.4	-571.0	923.7	914.2	9.48	97.483	
2,500.0	2,497.5	2,482.9	2,482.9	5.4	4.4	-120.22	701.4	-571.0	925.8	916.3	9.55	96.982	
2,525.0	2,522.1	2,507.5	2,507.5	5.5	4.4	-120.42	701.4	-571.0	928.1	918.5	9.60	96.636	

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

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM #902H - OWB - PWP2													Offset Site Error: 0.0 usft
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
2,550.0	2,546.6	2,532.0	2,532.0	5.6	4.4	-120.62	701.4	-571.0	930.5	920.8	9.66	96.306	
2,575.0	2,571.2	2,556.6	2,556.6	5.7	4.5	-120.83	701.4	-571.0	933.0	923.3	9.72	95.991	
2,600.0	2,595.6	2,581.0	2,581.0	5.7	4.5	-121.09	701.4	-571.0	935.6	925.9	9.76	95.856	
2,625.0	2,620.1	2,605.5	2,605.5	5.8	4.5	-121.34	701.4	-571.0	938.2	928.4	9.83	95.401	
2,650.0	2,644.6	2,630.0	2,630.0	5.9	4.5	-121.60	701.4	-571.0	940.9	931.0	9.91	94.951	
2,675.0	2,669.1	2,654.5	2,654.5	5.9	4.5	-121.85	701.4	-571.0	943.5	933.6	9.98	94.505	
2,700.0	2,693.6	2,679.0	2,679.0	6.0	4.6	-122.11	701.4	-571.0	946.2	936.2	10.06	94.064	
2,725.0	2,718.1	2,703.5	2,703.5	6.1	4.6	-122.36	701.4	-571.0	948.9	938.8	10.13	93.630	
2,750.0	2,742.6	2,728.0	2,728.0	6.2	4.6	-122.61	701.4	-571.0	951.6	941.4	10.21	93.199	
2,775.0	2,767.1	2,752.5	2,752.5	6.3	4.6	-122.86	701.4	-571.0	954.4	944.1	10.29	92.773	
2,800.0	2,791.6	2,777.0	2,777.0	6.4	4.7	-123.10	701.4	-571.0	957.1	946.8	10.36	92.350	
2,825.0	2,816.1	2,801.5	2,801.5	6.4	4.7	-123.35	701.4	-571.0	959.9	949.4	10.44	91.911	
2,850.0	2,840.6	2,826.0	2,826.0	6.5	4.7	-123.59	701.4	-571.0	962.7	952.2	10.52	91.476	
2,875.0	2,865.1	2,850.5	2,850.5	6.6	4.7	-123.84	701.4	-571.0	965.5	954.9	10.60	91.045	
2,900.0	2,889.6	2,875.0	2,875.0	6.7	4.8	-124.08	701.4	-571.0	968.3	957.6	10.69	90.618	
2,925.0	2,914.1	2,899.5	2,899.5	6.8	4.8	-124.32	701.4	-571.0	971.1	960.4	10.77	90.177	
2,950.0	2,938.6	2,924.0	2,924.0	6.9	4.8	-124.56	701.4	-571.0	974.0	963.1	10.85	89.740	
2,975.0	2,963.1	2,948.5	2,948.5	7.0	4.8	-124.80	701.4	-571.0	976.9	965.9	10.94	89.307	
3,000.0	2,987.6	2,973.0	2,973.0	7.1	4.9	-125.03	701.4	-571.0	979.8	968.7	11.02	88.878	
3,025.0	3,012.1	2,997.5	2,997.5	7.2	4.9	-125.27	701.4	-571.0	982.7	971.6	11.11	88.437	
3,050.0	3,036.6	3,022.0	3,022.0	7.2	4.9	-125.50	701.4	-571.0	985.6	974.4	11.20	88.001	
3,075.0	3,061.1	3,046.5	3,046.5	7.3	4.9	-125.73	701.4	-571.0	988.5	977.3	11.29	87.568	
3,100.0	3,085.6	3,071.0	3,071.0	7.4	5.0	-125.96	701.4	-571.0	991.5	980.1	11.38	87.139	
3,125.0	3,110.1	3,095.5	3,095.5	7.5	5.0	-126.19	701.4	-571.0	994.5	983.0	11.47	86.701	
3,150.0	3,134.6	3,120.0	3,120.0	7.6	5.0	-126.42	701.4	-571.0	997.5	985.9	11.56	86.267	
9,900.0	9,598.1	9,638.6	9,628.7	21.0	11.9	-91.65	856.4	-332.8	995.6	965.4	30.14	33.036	
9,925.0	9,599.0	9,640.5	9,630.5	21.0	11.9	-92.63	856.4	-332.7	988.6	958.2	30.37	32.554	
9,925.6	9,599.0	9,640.5	9,630.6	21.0	11.9	-92.66	856.4	-332.7	988.4	958.0	30.37	32.543	
9,950.0	9,599.2	9,641.6	9,631.7	21.1	11.9	-92.72	856.5	-332.6	982.1	951.5	30.60	32.094	
9,975.0	9,599.4	9,642.8	9,632.8	21.1	11.9	-92.79	856.5	-332.5	976.3	945.5	30.84	31.663	
10,000.0	9,599.6	9,643.9	9,634.0	21.1	11.9	-92.86	856.6	-332.5	971.1	940.1	31.06	31.262	
10,025.0	9,599.8	9,645.1	9,635.1	21.2	11.9	-92.93	856.6	-332.4	966.5	935.2	31.30	30.880	
10,050.0	9,600.0	9,646.2	9,636.3	21.2	11.9	-93.00	856.6	-332.3	962.6	931.0	31.53	30.529	
10,075.0	9,600.2	9,647.4	9,637.4	21.3	11.9	-93.07	856.7	-332.3	959.2	927.5	31.75	30.209	
10,100.0	9,600.3	9,648.5	9,638.6	21.3	11.9	-93.14	856.7	-332.2	956.6	924.6	31.97	29.921	
10,125.0	9,600.5	9,649.7	9,639.7	21.4	11.9	-93.21	856.8	-332.1	954.5	922.3	32.19	29.655	
10,150.0	9,600.7	9,650.8	9,640.9	21.5	11.9	-93.28	856.8	-332.1	953.1	920.7	32.40	29.420	
10,175.0	9,600.9	9,652.0	9,642.0	21.5	11.9	-93.34	856.9	-332.0	952.4	919.8	32.60	29.218	
10,190.7	9,601.1	9,652.7	9,642.7	21.6	11.9	-93.39	856.9	-331.9	952.2	919.5	32.72	29.106	
10,200.0	9,601.1	9,653.1	9,643.2	21.6	11.9	-93.41	856.9	-331.9	952.3	919.5	32.78	29.047	
10,225.0	9,601.3	9,654.3	9,644.3	21.6	11.9	-93.48	857.0	-331.9	952.9	919.9	32.97	28.898	
10,250.0	9,601.5	9,655.4	9,645.5	21.7	11.9	-93.55	857.0	-331.8	954.1	920.9	33.15	28.782	
10,275.0	9,601.7	9,656.6	9,646.6	21.8	11.9	-93.62	857.0	-331.7	956.0	922.6	33.31	28.696	
10,300.0	9,601.9	9,657.7	9,647.7	21.8	11.9	-93.69	857.1	-331.6	958.5	925.0	33.47	28.641	
10,325.0	9,602.1	9,658.9	9,648.9	21.9	11.9	-93.76	857.1	-331.6	961.6	928.0	33.61	28.608	
10,350.0	9,602.3	9,660.0	9,650.0	22.0	11.9	-93.83	857.2	-331.5	965.4	931.7	33.75	28.606 SF	
10,375.0	9,602.5	9,661.2	9,651.2	22.1	11.9	-93.90	857.2	-331.4	969.9	936.0	33.87	28.632	
10,400.0	9,602.7	9,662.3	9,652.3	22.1	11.9	-93.97	857.3	-331.4	974.9	940.9	33.98	28.688	
10,425.0	9,602.9	9,663.5	9,653.5	22.2	11.9	-94.04	857.3	-331.3	980.6	946.5	34.09	28.765	
10,450.0	9,603.1	9,664.6	9,654.6	22.3	11.9	-94.11	857.3	-331.2	986.8	952.7	34.18	28.870	
10,475.0	9,603.3	9,665.8	9,655.8	22.4	11.9	-94.17	857.4	-331.2	993.7	959.4	34.26	29.002	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	3.0	-40.60	701.2	-601.0	923.6						
25.0	25.0	10.0	10.0	0.5	3.0	-40.60	701.2	-601.0	923.5						
50.0	50.0	35.0	35.0	0.5	3.0	-40.60	701.2	-601.0	923.5	918.8	4.72	195.455			
75.0	75.0	60.0	60.0	0.5	3.0	-40.60	701.2	-601.0	923.5	918.8	4.73	195.451			
100.0	100.0	85.0	85.0	0.5	3.0	-40.60	701.2	-601.0	923.5	918.8	4.73	195.445			
125.0	125.0	110.0	110.0	0.6	3.0	-40.60	701.2	-601.0	923.5	918.8	4.76	194.068			
150.0	150.0	135.0	135.0	0.8	3.0	-40.60	701.2	-601.0	923.5	918.7	4.80	192.412			
175.0	175.0	160.0	160.0	0.9	3.0	-40.60	701.2	-601.0	923.5	918.7	4.85	190.506			
200.0	200.0	185.0	185.0	1.0	3.0	-40.60	701.2	-601.0	923.5	918.6	4.90	188.375			
225.0	225.0	210.0	210.0	1.1	3.0	-40.60	701.2	-601.0	923.5	918.6	4.94	186.837			
250.0	250.0	235.0	235.0	1.2	3.0	-40.60	701.2	-601.0	923.5	918.5	4.99	185.214			
275.0	275.0	260.0	260.0	1.3	3.0	-40.60	701.2	-601.0	923.5	918.5	5.03	183.515			
300.0	300.0	285.0	285.0	1.4	3.0	-40.60	701.2	-601.0	923.5	918.4	5.08	181.747			
325.0	325.0	310.0	310.0	1.4	3.0	-40.60	701.2	-601.0	923.5	918.4	5.12	180.246			
350.0	350.0	335.0	335.0	1.5	3.0	-40.60	701.2	-601.0	923.5	918.3	5.17	178.706			
375.0	375.0	360.0	360.0	1.6	3.0	-40.60	701.2	-601.0	923.5	918.3	5.21	177.133			
400.0	400.0	385.0	385.0	1.6	3.0	-40.60	701.2	-601.0	923.5	918.3	5.26	175.530			
425.0	425.0	410.0	410.0	1.7	3.0	-40.60	701.2	-601.0	923.5	918.2	5.30	174.095			
450.0	450.0	435.0	435.0	1.8	3.0	-40.60	701.2	-601.0	923.5	918.2	5.35	172.642			
475.0	475.0	460.0	460.0	1.8	3.0	-40.60	701.2	-601.0	923.5	918.1	5.40	171.174			
500.0	500.0	485.0	485.0	1.9	3.1	-40.60	701.2	-601.0	923.5	918.1	5.44	169.691			
525.0	525.0	510.0	510.0	1.9	3.1	-40.60	701.2	-601.0	923.5	918.0	5.49	168.330			
550.0	550.0	535.0	535.0	2.0	3.1	-40.60	701.2	-601.0	923.5	918.0	5.53	166.960			
575.0	575.0	560.0	560.0	2.1	3.1	-40.60	701.2	-601.0	923.5	917.9	5.58	165.583			
600.0	600.0	585.0	585.0	2.1	3.1	-40.60	701.2	-601.0	923.5	917.9	5.62	164.202			
625.0	625.0	610.0	610.0	2.2	3.1	-40.60	701.2	-601.0	923.5	917.8	5.67	162.912			
650.0	650.0	635.0	635.0	2.2	3.1	-40.60	701.2	-601.0	923.5	917.8	5.71	161.620			
675.0	675.0	660.0	660.0	2.3	3.1	-40.60	701.2	-601.0	923.5	917.8	5.76	160.327			
700.0	700.0	685.0	685.0	2.3	3.1	-40.60	701.2	-601.0	923.5	917.7	5.81	159.034			
725.0	725.0	710.0	710.0	2.4	3.1	-40.60	701.2	-601.0	923.5	917.7	5.85	157.813			
750.0	750.0	735.0	735.0	2.4	3.1	-40.60	701.2	-601.0	923.5	917.6	5.90	156.593			
775.0	775.0	760.0	760.0	2.5	3.1	-40.60	701.2	-601.0	923.5	917.6	5.94	155.376			
800.0	800.0	785.0	785.0	2.5	3.1	-40.60	701.2	-601.0	923.5	917.5	5.99	154.162			
825.0	825.0	810.0	810.0	2.6	3.2	-40.60	701.2	-601.0	923.5	917.5	6.04	153.006			
850.0	850.0	835.0	835.0	2.6	3.2	-40.60	701.2	-601.0	923.5	917.4	6.08	151.854			
875.0	875.0	860.0	860.0	2.6	3.2	-40.60	701.2	-601.0	923.5	917.4	6.13	150.706			
900.0	900.0	885.0	885.0	2.7	3.2	-40.60	701.2	-601.0	923.5	917.3	6.17	149.563			
925.0	925.0	910.0	910.0	2.7	3.2	-40.60	701.2	-601.0	923.5	917.3	6.22	148.468			
950.0	950.0	935.0	935.0	2.8	3.2	-40.60	701.2	-601.0	923.5	917.3	6.27	147.379			
975.0	975.0	960.0	960.0	2.8	3.2	-40.60	701.2	-601.0	923.5	917.2	6.31	146.295			
1,000.0	1,000.0	985.0	985.0	2.9	3.2	-40.60	701.2	-601.0	923.5	917.2	6.36	145.216			
1,025.0	1,025.0	1,010.0	1,010.0	2.9	3.2	-40.60	701.2	-601.0	923.5	917.1	6.41	144.179			
1,050.0	1,050.0	1,035.0	1,035.0	3.0	3.3	-40.60	701.2	-601.0	923.5	917.1	6.45	143.148			
1,075.0	1,075.0	1,060.0	1,060.0	3.0	3.3	-40.60	701.2	-601.0	923.5	917.0	6.50	142.122			
1,100.0	1,100.0	1,085.0	1,085.0	3.0	3.3	-40.60	701.2	-601.0	923.5	917.0	6.54	141.103			
1,125.0	1,125.0	1,110.0	1,110.0	3.1	3.3	-40.60	701.2	-601.0	923.5	916.9	6.59	140.119			
1,150.0	1,150.0	1,135.0	1,135.0	3.1	3.3	-40.60	701.2	-601.0	923.5	916.9	6.64	139.142			
1,175.0	1,175.0	1,160.0	1,160.0	3.2	3.3	-40.60	701.2	-601.0	923.5	916.8	6.68	138.171			
1,200.0	1,200.0	1,185.0	1,185.0	3.2	3.3	-40.60	701.2	-601.0	923.5	916.8	6.73	137.206			
1,225.0	1,225.0	1,210.0	1,210.0	3.2	3.4	-40.60	701.2	-601.0	923.5	916.7	6.78	136.272			
1,250.0	1,250.0	1,235.0	1,235.0	3.3	3.4	-40.60	701.2	-601.0	923.5	916.7	6.82	135.345			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,275.0	1,275.0	1,260.0	1,260.0	3.3	3.4	-40.60	701.2	-601.0	923.5	916.6	6.87	134.424	
1,300.0	1,300.0	1,285.0	1,285.0	3.4	3.4	-40.60	701.2	-601.0	923.5	916.6	6.92	133.510	
1,325.0	1,325.0	1,310.0	1,310.0	3.4	3.4	-40.60	701.2	-601.0	923.5	916.6	6.96	132.622	
1,350.0	1,350.0	1,335.0	1,335.0	3.4	3.4	-40.60	701.2	-601.0	923.5	916.5	7.01	131.741	
1,375.0	1,375.0	1,360.0	1,360.0	3.5	3.5	-40.60	701.2	-601.0	923.5	916.5	7.06	130.867	
1,400.0	1,400.0	1,385.0	1,385.0	3.5	3.5	-40.60	701.2	-601.0	923.5	916.4	7.10	129.999	
1,425.0	1,425.0	1,410.0	1,410.0	3.6	3.5	-40.60	701.2	-601.0	923.5	916.4	7.15	129.155	
1,450.0	1,450.0	1,435.0	1,435.0	3.6	3.5	-40.60	701.2	-601.0	923.5	916.3	7.20	128.318	
1,475.0	1,475.0	1,460.0	1,460.0	3.6	3.5	-40.60	701.2	-601.0	923.5	916.3	7.24	127.487	
1,500.0	1,500.0	1,485.0	1,485.0	3.7	3.5	-40.60	701.2	-601.0	923.5	916.2	7.29	126.662	
1,525.0	1,525.0	1,510.0	1,510.0	3.7	3.6	-40.60	701.2	-601.0	923.5	916.2	7.34	125.859	
1,550.0	1,550.0	1,535.0	1,535.0	3.8	3.6	-40.60	701.2	-601.0	923.5	916.1	7.38	125.061	
1,575.0	1,575.0	1,560.0	1,560.0	3.8	3.6	-40.60	701.2	-601.0	923.5	916.1	7.43	124.271	
1,600.0	1,600.0	1,585.0	1,585.0	3.8	3.6	-40.60	701.2	-601.0	923.5	916.0	7.48	123.486	
1,625.0	1,625.0	1,610.0	1,610.0	3.9	3.6	-40.60	701.2	-601.0	923.5	916.0	7.53	122.720	
1,650.0	1,650.0	1,635.0	1,635.0	3.9	3.6	-40.60	701.2	-601.0	923.5	915.9	7.57	121.961	
1,675.0	1,675.0	1,660.0	1,660.0	3.9	3.7	-40.60	701.2	-601.0	923.5	915.9	7.62	121.207	
1,700.0	1,700.0	1,685.0	1,685.0	4.0	3.7	-40.60	701.2	-601.0	923.5	915.8	7.67	120.460	
1,725.0	1,725.0	1,710.0	1,710.0	4.0	3.7	-40.60	701.2	-601.0	923.5	915.8	7.71	119.730	
1,750.0	1,750.0	1,735.0	1,735.0	4.1	3.7	-40.60	701.2	-601.0	923.5	915.8	7.76	119.005	
1,775.0	1,775.0	1,760.0	1,760.0	4.1	3.7	-40.60	701.2	-601.0	923.5	915.7	7.81	118.287	
1,800.0	1,800.0	1,785.0	1,785.0	4.1	3.8	-40.60	701.2	-601.0	923.5	915.7	7.85	117.574	
1,825.0	1,825.0	1,810.0	1,810.0	4.2	3.8	-40.60	701.2	-601.0	923.5	915.6	7.90	116.877	
1,850.0	1,850.0	1,835.0	1,835.0	4.2	3.8	-40.60	701.2	-601.0	923.5	915.6	7.95	116.186	
1,875.0	1,875.0	1,860.0	1,860.0	4.2	3.8	-40.60	701.2	-601.0	923.5	915.5	8.00	115.500	
1,900.0	1,900.0	1,885.0	1,885.0	4.3	3.8	-40.60	701.2	-601.0	923.5	915.5	8.04	114.820	
1,925.0	1,925.0	1,910.0	1,910.0	4.3	3.9	-40.60	701.2	-601.0	923.5	915.4	8.09	114.153	
1,950.0	1,950.0	1,935.0	1,935.0	4.3	3.9	-40.60	701.2	-601.0	923.5	915.4	8.14	113.493	
1,975.0	1,975.0	1,960.0	1,960.0	4.4	3.9	-40.60	701.2	-601.0	923.5	915.3	8.18	112.837	
2,000.0	2,000.0	1,985.0	1,985.0	4.4	3.9	-40.60	701.2	-601.0	923.5	915.3	8.23	112.187 CC, ES	
2,025.0	2,025.0	2,010.0	2,010.0	4.4	3.9	-119.69	701.2	-601.0	923.6	915.3	8.29	111.468	
2,050.0	2,050.0	2,035.0	2,035.0	4.5	4.0	-119.70	701.2	-601.0	923.7	915.4	8.34	110.809	
2,075.0	2,075.0	2,060.0	2,060.0	4.5	4.0	-119.73	701.2	-601.0	924.0	915.6	8.38	110.208	
2,100.0	2,100.0	2,085.0	2,085.0	4.5	4.0	-119.76	701.2	-601.0	924.4	916.0	8.43	109.664	
2,125.0	2,125.0	2,110.0	2,110.0	4.6	4.0	-119.81	701.2	-601.0	924.9	916.4	8.50	108.850	
2,150.0	2,149.9	2,134.9	2,134.9	4.6	4.1	-119.86	701.2	-601.0	925.5	916.9	8.56	108.066	
2,175.0	2,174.9	2,159.9	2,159.9	4.7	4.1	-119.92	701.2	-601.0	926.2	917.5	8.63	107.311	
2,200.0	2,199.8	2,184.8	2,184.8	4.7	4.1	-120.00	701.2	-601.0	927.0	918.3	8.70	106.584	
2,225.0	2,224.8	2,209.8	2,209.8	4.7	4.1	-120.08	701.2	-601.0	927.9	919.2	8.77	105.866	
2,250.0	2,249.7	2,234.7	2,234.7	4.8	4.1	-120.17	701.2	-601.0	929.0	920.1	8.83	105.173	
2,275.0	2,274.6	2,259.6	2,259.6	4.8	4.2	-120.27	701.2	-601.0	930.1	921.2	8.90	104.505	
2,300.0	2,299.5	2,284.5	2,284.5	4.9	4.2	-120.38	701.2	-601.0	931.4	922.4	8.97	103.861	
2,325.0	2,324.3	2,309.3	2,309.3	4.9	4.2	-120.50	701.2	-601.0	932.8	923.7	9.04	103.220	
2,350.0	2,349.1	2,334.1	2,334.1	5.0	4.2	-120.63	701.2	-601.0	934.3	925.2	9.11	102.601	
2,375.0	2,373.9	2,358.9	2,358.9	5.1	4.3	-120.77	701.2	-601.0	935.9	926.7	9.18	102.003	
2,400.0	2,398.7	2,383.7	2,383.7	5.1	4.3	-120.91	701.2	-601.0	937.6	928.4	9.24	101.427	
2,425.0	2,423.4	2,408.4	2,408.4	5.2	4.3	-121.07	701.2	-601.0	939.5	930.2	9.32	100.847	
2,450.0	2,448.2	2,433.2	2,433.2	5.3	4.3	-121.23	701.2	-601.0	941.5	932.1	9.39	100.288	
2,475.0	2,472.8	2,457.8	2,457.8	5.4	4.4	-121.40	701.2	-601.0	943.6	934.1	9.46	99.747	
2,500.0	2,497.5	2,482.5	2,482.5	5.4	4.4	-121.58	701.2	-601.0	945.8	936.3	9.53	99.226	
2,525.0	2,522.1	2,507.1	2,507.1	5.5	4.4	-121.77	701.2	-601.0	948.2	938.6	9.59	98.866	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,550.0	2,546.6	2,531.6	2,531.6	5.6	4.4	-121.96	701.2	-601.0	950.7	941.0	9.65	98.522	
2,575.0	2,571.2	2,556.2	2,556.2	5.7	4.5	-122.16	701.2	-601.0	953.3	943.6	9.71	98.193	
2,600.0	2,595.6	2,580.6	2,580.6	5.7	4.5	-122.41	701.2	-601.0	956.0	946.3	9.75	98.051	
2,625.0	2,620.1	2,605.1	2,605.1	5.8	4.5	-122.66	701.2	-601.0	958.7	948.9	9.82	97.580	
2,650.0	2,644.6	2,629.6	2,629.6	5.9	4.5	-122.90	701.2	-601.0	961.5	951.6	9.90	97.115	
2,675.0	2,669.1	2,654.1	2,654.1	5.9	4.5	-123.15	701.2	-601.0	964.2	954.2	9.98	96.654	
2,700.0	2,693.6	2,678.6	2,678.6	6.0	4.6	-123.39	701.2	-601.0	967.0	956.9	10.05	96.198	
2,725.0	2,718.1	2,703.1	2,703.1	6.1	4.6	-123.64	701.2	-601.0	969.8	959.7	10.13	95.747	
2,750.0	2,742.6	2,727.6	2,727.6	6.2	4.6	-123.88	701.2	-601.0	972.6	962.4	10.21	95.301	
2,775.0	2,767.1	2,752.1	2,752.1	6.3	4.6	-124.12	701.2	-601.0	975.4	965.1	10.28	94.858	
2,800.0	2,791.6	2,776.6	2,776.6	6.4	4.7	-124.35	701.2	-601.0	978.3	967.9	10.36	94.420	
2,825.0	2,816.1	2,801.1	2,801.1	6.4	4.7	-124.59	701.2	-601.0	981.1	970.7	10.44	93.965	
2,850.0	2,840.6	2,825.6	2,825.6	6.5	4.7	-124.83	701.2	-601.0	984.0	973.5	10.52	93.513	
2,875.0	2,865.1	2,850.1	2,850.1	6.6	4.7	-125.06	701.2	-601.0	986.9	976.3	10.60	93.066	
2,900.0	2,889.6	2,874.6	2,874.6	6.7	4.8	-125.29	701.2	-601.0	989.8	979.1	10.69	92.623	
2,925.0	2,914.1	2,899.1	2,899.1	6.8	4.8	-125.53	701.2	-601.0	992.7	982.0	10.77	92.165	
2,950.0	2,938.6	2,923.6	2,923.6	6.9	4.8	-125.76	701.2	-601.0	995.7	984.8	10.86	91.711	
2,975.0	2,963.1	2,948.1	2,948.1	7.0	4.8	-125.99	701.2	-601.0	998.6	987.7	10.94	91.262 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:			Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	179.71	-20.0	0.1	20.0				
25.0	25.0	25.0	25.0	0.5	0.1	179.71	-20.0	0.1	20.0				
50.0	50.0	50.0	50.0	0.5	0.3	179.71	-20.0	0.1	20.0	18.7	1.28	15.589	
75.0	75.0	75.0	75.0	0.5	0.4	179.71	-20.0	0.1	20.0	18.6	1.38	14.515	
100.0	100.0	100.0	100.0	0.5	0.5	179.71	-20.0	0.1	20.0	18.5	1.50	13.370	
125.0	125.0	125.0	125.0	0.6	0.6	179.71	-20.0	0.1	20.0	18.3	1.75	11.445	
150.0	150.0	150.0	150.0	0.8	0.8	179.71	-20.0	0.1	20.0	18.0	2.00	10.005	
175.0	175.0	175.0	175.0	0.9	0.9	179.71	-20.0	0.1	20.0	17.7	2.25	8.887	
200.0	200.0	200.0	200.0	1.0	1.0	179.71	-20.0	0.1	20.0	17.5	2.50	7.994	
225.0	225.0	225.0	225.0	1.1	1.1	179.71	-20.0	0.1	20.0	17.3	2.67	7.493	
250.0	250.0	250.0	250.0	1.2	1.2	179.71	-20.0	0.1	20.0	17.2	2.84	7.051	
275.0	275.0	275.0	275.0	1.3	1.3	179.71	-20.0	0.1	20.0	17.0	3.00	6.658	
300.0	300.0	300.0	300.0	1.4	1.4	179.71	-20.0	0.1	20.0	16.8	3.17	6.307	
325.0	325.0	325.0	325.0	1.4	1.4	179.71	-20.0	0.1	20.0	16.7	3.31	6.045	
350.0	350.0	350.0	350.0	1.5	1.5	179.71	-20.0	0.1	20.0	16.6	3.45	5.805	
375.0	375.0	375.0	375.0	1.6	1.6	179.71	-20.0	0.1	20.0	16.4	3.58	5.583	
400.0	400.0	400.0	400.0	1.6	1.6	179.71	-20.0	0.1	20.0	16.3	3.72	5.377	
425.0	425.0	425.0	425.0	1.7	1.7	179.71	-20.0	0.1	20.0	16.2	3.84	5.209	
450.0	450.0	450.0	450.0	1.8	1.8	179.71	-20.0	0.1	20.0	16.0	3.96	5.050	
475.0	475.0	475.0	475.0	1.8	1.8	179.71	-20.0	0.1	20.0	15.9	4.08	4.901	
500.0	500.0	500.0	500.0	1.9	1.9	179.71	-20.0	0.1	20.0	15.8	4.20	4.761	
525.0	525.0	525.0	525.0	1.9	1.9	179.71	-20.0	0.1	20.0	15.7	4.31	4.640	
550.0	550.0	550.0	550.0	2.0	2.0	179.71	-20.0	0.1	20.0	15.6	4.42	4.525	
575.0	575.0	575.0	575.0	2.1	2.1	179.71	-20.0	0.1	20.0	15.5	4.53	4.416	
600.0	600.0	600.0	600.0	2.1	2.1	179.71	-20.0	0.1	20.0	15.4	4.64	4.312	
625.0	625.0	625.0	625.0	2.2	2.2	179.71	-20.0	0.1	20.0	15.3	4.74	4.220	
650.0	650.0	650.0	650.0	2.2	2.2	179.71	-20.0	0.1	20.0	15.2	4.84	4.131	
675.0	675.0	675.0	675.0	2.3	2.3	179.71	-20.0	0.1	20.0	15.1	4.94	4.046	
700.0	700.0	700.0	700.0	2.3	2.3	179.71	-20.0	0.1	20.0	15.0	5.04	3.965	
725.0	725.0	725.0	725.0	2.4	2.4	179.71	-20.0	0.1	20.0	14.9	5.14	3.891	
750.0	750.0	750.0	750.0	2.4	2.4	179.71	-20.0	0.1	20.0	14.8	5.24	3.820	
775.0	775.0	775.0	775.0	2.5	2.5	179.71	-20.0	0.1	20.0	14.7	5.33	3.751	
800.0	800.0	800.0	800.0	2.5	2.5	179.71	-20.0	0.1	20.0	14.6	5.43	3.685	
825.0	825.0	825.0	825.0	2.6	2.6	179.71	-20.0	0.1	20.0	14.5	5.52	3.624	
850.0	850.0	850.0	850.0	2.6	2.6	179.71	-20.0	0.1	20.0	14.4	5.61	3.565	
875.0	875.0	875.0	875.0	2.6	2.6	179.71	-20.0	0.1	20.0	14.3	5.70	3.508	
900.0	900.0	900.0	900.0	2.7	2.7	179.71	-20.0	0.1	20.0	14.2	5.79	3.453	
925.0	925.0	925.0	925.0	2.7	2.7	179.71	-20.0	0.1	20.0	14.1	5.88	3.402	
950.0	950.0	950.0	950.0	2.8	2.8	179.71	-20.0	0.1	20.0	14.0	5.97	3.352	
975.0	975.0	975.0	975.0	2.8	2.8	179.71	-20.0	0.1	20.0	13.9	6.05	3.304	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	179.71	-20.0	0.1	20.0	13.9	6.14	3.257	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	179.71	-20.0	0.1	20.0	13.8	6.23	3.212	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	179.71	-20.0	0.1	20.0	13.7	6.31	3.170	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	179.71	-20.0	0.1	20.0	13.6	6.39	3.128	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	179.71	-20.0	0.1	20.0	13.5	6.48	3.087	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	179.71	-20.0	0.1	20.0	13.4	6.56	3.049	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	179.71	-20.0	0.1	20.0	13.4	6.64	3.011	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	179.71	-20.0	0.1	20.0	13.3	6.72	2.974 Normal Operations	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	179.71	-20.0	0.1	20.0	13.2	6.81	2.939 Normal Operations	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	179.71	-20.0	0.1	20.0	13.1	6.89	2.905 Normal Operations	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	179.71	-20.0	0.1	20.0	13.0	6.97	2.871 Normal Operations	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	179.71	-20.0	0.1	20.0	13.0	7.04	2.839	Normal Operations
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	179.71	-20.0	0.1	20.0	12.9	7.12	2.807	Normal Operations
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	179.71	-20.0	0.1	20.0	12.8	7.20	2.777	Normal Operations
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	179.71	-20.0	0.1	20.0	12.7	7.28	2.747	Normal Operations
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	179.71	-20.0	0.1	20.0	12.6	7.36	2.718	Normal Operations
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	179.71	-20.0	0.1	20.0	12.6	7.44	2.690	Normal Operations
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	179.71	-20.0	0.1	20.0	12.5	7.51	2.663	Normal Operations
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	179.71	-20.0	0.1	20.0	12.4	7.59	2.636	Normal Operations
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	179.71	-20.0	0.1	20.0	12.3	7.66	2.610	Normal Operations
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	179.71	-20.0	0.1	20.0	12.3	7.74	2.584	Normal Operations
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	179.71	-20.0	0.1	20.0	12.2	7.81	2.560	Normal Operations
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	179.71	-20.0	0.1	20.0	12.1	7.89	2.535	Normal Operations
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	179.71	-20.0	0.1	20.0	12.0	7.96	2.512	Normal Operations
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	179.71	-20.0	0.1	20.0	12.0	8.04	2.488	Caution - Monitor Closely
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	179.71	-20.0	0.1	20.0	11.9	8.11	2.466	Caution - Monitor Closely
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	179.71	-20.0	0.1	20.0	11.8	8.18	2.444	Caution - Monitor Closely
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	179.71	-20.0	0.1	20.0	11.7	8.26	2.422	Caution - Monitor Closely
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	179.71	-20.0	0.1	20.0	11.7	8.33	2.401	Caution - Monitor Closely
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	179.71	-20.0	0.1	20.0	11.6	8.40	2.380	Caution - Monitor Closely
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	179.71	-20.0	0.1	20.0	11.5	8.48	2.360	Caution - Monitor Closely
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	179.71	-20.0	0.1	20.0	11.5	8.55	2.340	Caution - Monitor Closely
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	179.71	-20.0	0.1	20.0	11.4	8.62	2.320	Caution - Monitor Closely
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	179.71	-20.0	0.1	20.0	11.3	8.69	2.301	Caution - Monitor Closely
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	179.71	-20.0	0.1	20.0	11.2	8.76	2.283	Caution - Monitor Closely
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	179.71	-20.0	0.1	20.0	11.2	8.83	2.264	Caution - Monitor Closely
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	179.71	-20.0	0.1	20.0	11.1	8.90	2.246	Caution - Monitor Closely
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	179.71	-20.0	0.1	20.0	11.0	8.97	2.229	Caution - Monitor Closely
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	179.71	-20.0	0.1	20.0	11.0	9.04	2.211	Caution - Monitor Closely
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	179.71	-20.0	0.1	20.0	10.9	9.11	2.194	Caution - Monitor Closely
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	179.71	-20.0	0.1	20.0	10.8	9.18	2.178	Caution - Monitor Closely, CC
2,025.0	2,025.0	2,025.0	2,025.0	4.4	4.5	100.94	-20.0	0.1	20.0	10.8	9.26	2.161	Caution - Monitor Closely
2,050.0	2,050.0	2,050.0	2,050.0	4.5	4.5	101.85	-20.0	0.1	20.1	10.7	9.34	2.150	Caution - Monitor Closely, ES
2,075.0	2,075.0	2,075.0	2,075.0	4.5	4.6	103.36	-20.0	0.1	20.2	10.8	9.42	2.145	Caution - Monitor Closely, SF
2,100.0	2,100.0	2,100.0	2,100.0	4.5	4.6	105.45	-20.0	0.1	20.4	10.9	9.49	2.148	Caution - Monitor Closely
2,125.0	2,125.0	2,125.0	2,125.0	4.6	4.7	108.06	-20.0	0.1	20.7	11.1	9.57	2.161	Caution - Monitor Closely
2,150.0	2,149.9	2,149.9	2,149.9	4.6	4.7	111.15	-20.0	0.1	21.1	11.4	9.64	2.188	Caution - Monitor Closely
2,175.0	2,174.9	2,174.9	2,174.9	4.7	4.7	114.64	-20.0	0.1	21.6	11.9	9.70	2.230	Caution - Monitor Closely
2,200.0	2,199.8	2,199.8	2,199.8	4.7	4.8	118.43	-20.0	0.1	22.4	12.6	9.76	2.291	Caution - Monitor Closely
2,225.0	2,224.8	2,224.9	2,224.9	4.7	4.8	122.62	-19.9	0.1	23.2	13.4	9.83	2.362	Caution - Monitor Closely
2,250.0	2,249.7	2,250.0	2,250.0	4.8	4.9	127.29	-19.6	-0.1	24.2	14.3	9.89	2.446	Caution - Monitor Closely
2,275.0	2,274.6	2,275.0	2,275.0	4.8	5.0	132.33	-19.1	-0.3	25.3	15.4	9.94	2.547	Normal Operations
2,300.0	2,299.5	2,300.0	2,299.9	4.9	5.0	137.61	-18.4	-0.6	26.7	16.7	9.97	2.673	Normal Operations
2,325.0	2,324.3	2,324.9	2,324.8	4.9	5.1	143.00	-17.5	-0.9	28.3	18.3	10.02	2.825	Normal Operations
2,350.0	2,349.1	2,349.8	2,349.7	5.0	5.1	148.36	-16.4	-1.4	30.3	20.2	10.06	3.008	
2,375.0	2,373.9	2,374.6	2,374.5	5.1	5.2	153.56	-15.1	-1.9	32.6	22.5	10.11	3.223	
2,400.0	2,398.7	2,399.3	2,399.1	5.1	5.3	158.50	-13.6	-2.5	35.3	25.2	10.18	3.472	
2,425.0	2,423.4	2,424.0	2,423.7	5.2	5.3	163.12	-11.9	-3.2	38.5	28.2	10.25	3.752	
2,450.0	2,448.2	2,448.6	2,448.2	5.3	5.4	167.37	-10.0	-3.9	42.0	31.7	10.34	4.064	
2,475.0	2,472.8	2,473.0	2,472.6	5.4	5.5	171.25	-7.9	-4.8	46.0	35.6	10.44	4.407	
2,500.0	2,497.5	2,497.5	2,496.9	5.4	5.5	174.77	-5.7	-5.7	50.4	39.8	10.55	4.778	
2,525.0	2,522.1	2,521.8	2,521.1	5.5	5.6	177.94	-3.3	-6.7	55.2	44.6	10.62	5.194	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,546.0	2,545.1	5.6	5.6	-179.21	-0.7	-7.7	60.4	49.7	10.70	5.641	
2,575.0	2,571.2	2,570.2	2,569.2	5.7	5.6	-176.68	2.1	-8.8	65.9	55.1	10.79	6.113	
2,600.0	2,595.6	2,594.4	2,593.2	5.7	5.7	-174.56	4.8	-9.9	71.7	60.8	10.85	6.606	
2,625.0	2,620.1	2,618.6	2,617.2	5.8	5.7	-172.76	7.5	-11.0	77.5	66.6	10.96	7.071	
2,650.0	2,644.6	2,642.8	2,641.2	5.9	5.8	-171.20	10.3	-12.1	83.4	72.4	11.08	7.529	
2,675.0	2,669.1	2,667.0	2,665.2	5.9	5.8	-169.85	13.0	-13.3	89.4	78.2	11.20	7.980	
2,700.0	2,693.6	2,691.2	2,689.2	6.0	5.9	-168.67	15.8	-14.4	95.4	84.1	11.32	8.426	
2,725.0	2,718.1	2,715.4	2,713.3	6.1	6.0	-167.63	18.5	-15.5	101.4	90.0	11.45	8.862	
2,750.0	2,742.6	2,739.6	2,737.3	6.2	6.0	-166.71	21.2	-16.6	107.5	95.9	11.57	9.292	
2,775.0	2,767.1	2,763.8	2,761.3	6.3	6.1	-165.88	24.0	-17.7	113.6	101.9	11.69	9.714	
2,800.0	2,791.6	2,787.9	2,785.3	6.4	6.1	-165.14	26.7	-18.8	119.7	107.9	11.82	10.128	
2,825.0	2,816.1	2,812.1	2,809.3	6.4	6.2	-164.47	29.4	-19.9	125.8	113.9	11.95	10.532	
2,850.0	2,840.6	2,836.3	2,833.3	6.5	6.3	-163.86	32.2	-21.0	132.0	119.9	12.08	10.928	
2,875.0	2,865.1	2,860.5	2,857.4	6.6	6.3	-163.30	34.9	-22.1	138.1	125.9	12.20	11.316	
2,900.0	2,889.6	2,884.7	2,881.4	6.7	6.4	-162.80	37.6	-23.2	144.3	131.9	12.33	11.697	
2,925.0	2,914.1	2,908.9	2,905.4	6.8	6.4	-162.33	40.4	-24.3	150.4	138.0	12.46	12.076	
2,950.0	2,938.6	2,933.4	2,929.7	6.9	6.5	-161.91	43.1	-25.4	156.6	144.0	12.60	12.433	
2,975.0	2,963.1	2,958.0	2,954.1	7.0	6.6	-161.55	45.7	-26.5	162.7	150.0	12.74	12.775	
3,000.0	2,987.6	2,982.6	2,978.5	7.1	6.7	-161.25	48.3	-27.5	168.8	155.9	12.88	13.105	
3,025.0	3,012.1	3,007.2	3,003.0	7.2	6.7	-161.01	50.8	-28.5	174.8	161.8	13.02	13.423	
3,050.0	3,036.6	3,031.8	3,027.5	7.2	6.8	-160.80	53.1	-29.5	180.8	167.6	13.16	13.735	
3,075.0	3,061.1	3,056.5	3,052.1	7.3	6.9	-160.65	55.4	-30.4	186.7	173.4	13.30	14.037	
3,100.0	3,085.6	3,081.2	3,076.6	7.4	7.0	-160.52	57.6	-31.3	192.6	179.2	13.44	14.328	
3,125.0	3,110.1	3,105.9	3,101.3	7.5	7.0	-160.44	59.6	-32.1	198.4	184.8	13.58	14.607	
3,150.0	3,134.6	3,130.7	3,126.0	7.6	7.1	-160.38	61.6	-32.9	204.2	190.5	13.73	14.876	
3,175.0	3,159.1	3,155.5	3,150.7	7.7	7.2	-160.36	63.5	-33.7	209.9	196.0	13.87	15.136	
3,200.0	3,183.6	3,180.3	3,175.4	7.8	7.2	-160.36	65.3	-34.4	215.6	201.6	14.01	15.386	
3,225.0	3,208.1	3,205.1	3,200.2	7.9	7.3	-160.38	67.0	-35.1	221.2	207.0	14.16	15.625	
3,250.0	3,232.6	3,230.0	3,225.0	8.0	7.4	-160.43	68.5	-35.7	226.7	212.4	14.30	15.856	
3,275.0	3,257.1	3,254.9	3,249.8	8.1	7.5	-160.50	70.0	-36.3	232.2	217.8	14.45	16.078	
3,300.0	3,281.6	3,279.8	3,274.7	8.2	7.5	-160.59	71.4	-36.9	237.7	223.1	14.59	16.292	
3,325.0	3,306.1	3,304.7	3,299.6	8.3	7.6	-160.70	72.7	-37.4	243.1	228.4	14.74	16.496	
3,350.0	3,330.6	3,329.7	3,324.5	8.4	7.7	-160.82	73.9	-37.9	248.4	233.6	14.88	16.693	
3,375.0	3,355.1	3,354.6	3,349.4	8.5	7.7	-160.96	75.0	-38.3	253.7	238.7	15.03	16.883	
3,400.0	3,379.6	3,379.6	3,374.4	8.6	7.8	-161.12	76.0	-38.7	259.0	243.8	15.18	17.066	
3,425.0	3,404.1	3,404.6	3,399.4	8.7	7.9	-161.29	76.9	-39.1	264.2	248.9	15.32	17.240	
3,450.0	3,428.6	3,429.7	3,424.4	8.8	7.9	-161.48	77.7	-39.4	269.3	253.9	15.47	17.408	
3,475.0	3,453.1	3,454.7	3,449.4	8.9	8.0	-161.68	78.4	-39.7	274.4	258.8	15.62	17.570	
3,500.0	3,477.6	3,479.8	3,474.4	9.0	8.1	-161.89	79.0	-39.9	279.5	263.7	15.77	17.726	
3,525.0	3,502.1	3,504.8	3,499.5	9.1	8.1	-162.11	79.5	-40.1	284.5	268.5	15.91	17.874	
3,550.0	3,526.6	3,529.9	3,524.6	9.2	8.2	-162.35	79.8	-40.3	289.4	273.4	16.06	18.019	
3,575.0	3,551.1	3,555.0	3,549.7	9.3	8.2	-162.60	80.1	-40.4	294.3	278.1	16.21	18.159	
3,600.0	3,575.6	3,580.1	3,574.8	9.4	8.3	-162.86	80.3	-40.5	299.2	282.8	16.36	18.292	
3,625.0	3,600.1	3,605.2	3,599.9	9.5	8.4	-163.12	80.4	-40.5	304.0	287.5	16.50	18.424	
3,650.0	3,624.6	3,629.9	3,624.6	9.6	8.4	-163.39	80.4	-40.5	308.8	292.1	16.64	18.558	
3,675.0	3,649.1	3,654.4	3,649.1	9.7	8.4	-163.65	80.4	-40.5	313.6	296.8	16.78	18.683	
3,700.0	3,673.6	3,678.9	3,673.6	9.9	8.4	-163.91	80.4	-40.5	318.4	301.4	16.93	18.807	
3,725.0	3,698.1	3,703.4	3,698.1	10.0	8.5	-164.15	80.4	-40.5	323.2	306.1	17.07	18.927	
3,750.0	3,722.6	3,727.9	3,722.6	10.1	8.5	-164.39	80.4	-40.5	328.0	310.7	17.22	19.049	
3,775.0	3,747.1	3,752.4	3,747.1	10.2	8.5	-164.62	80.4	-40.5	332.8	315.4	17.36	19.170	
3,800.0	3,771.6	3,776.9	3,771.6	10.3	8.5	-164.84	80.4	-40.5	337.6	320.1	17.50	19.288	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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														Offset Well Error: 0.0 usft			
Reference				Offset		Semi Major Axis				Offset Wellbore Centre				Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
3,825.0	3,796.1	3,801.4	3,796.1	10.4	8.6	-165.06	80.4	-40.5	342.4	324.8	17.65	19.404					
3,850.0	3,820.5	3,825.9	3,820.5	10.5	8.6	-165.27	80.4	-40.5	347.2	329.4	17.79	19.517					
3,875.0	3,845.0	3,850.4	3,845.0	10.6	8.6	-165.48	80.4	-40.5	352.1	334.1	17.94	19.628					
3,900.0	3,869.5	3,874.9	3,869.5	10.7	8.6	-165.68	80.4	-40.5	356.9	338.8	18.08	19.738					
3,925.0	3,894.0	3,899.4	3,894.0	10.8	8.7	-165.87	80.4	-40.5	361.7	343.5	18.23	19.845					
3,950.0	3,918.5	3,923.9	3,918.5	10.9	8.7	-166.06	80.4	-40.5	366.6	348.2	18.37	19.950					
3,975.0	3,943.0	3,948.4	3,943.0	11.0	8.7	-166.25	80.4	-40.5	371.4	352.9	18.52	20.053					
4,000.0	3,967.5	3,972.9	3,967.5	11.1	8.7	-166.43	80.4	-40.5	376.3	357.6	18.67	20.155					
4,025.0	3,992.0	3,997.4	3,992.0	11.2	8.8	-166.60	80.4	-40.5	381.1	362.3	18.82	20.254					
4,050.0	4,016.5	4,021.9	4,016.5	11.4	8.8	-166.78	80.4	-40.5	386.0	367.0	18.97	20.351					
4,075.0	4,041.0	4,046.3	4,041.0	11.5	8.8	-166.94	80.4	-40.5	390.8	371.7	19.11	20.447					
4,100.0	4,065.5	4,070.8	4,065.5	11.6	8.8	-167.11	80.4	-40.5	395.7	376.4	19.26	20.541					
4,125.0	4,090.0	4,095.3	4,090.0	11.7	8.8	-167.26	80.4	-40.5	400.6	381.1	19.41	20.633					
4,150.0	4,114.5	4,119.8	4,114.5	11.8	8.9	-167.42	80.4	-40.5	405.4	385.9	19.56	20.724					
4,175.0	4,139.0	4,144.3	4,139.0	11.9	8.9	-167.57	80.4	-40.5	410.3	390.6	19.71	20.813					
4,200.0	4,163.5	4,168.8	4,163.5	12.0	8.9	-167.72	80.4	-40.5	415.2	395.3	19.86	20.901					
4,225.0	4,188.0	4,193.3	4,188.0	12.1	8.9	-167.86	80.4	-40.5	420.0	400.0	20.01	20.987					
4,250.0	4,212.5	4,217.8	4,212.5	12.2	9.0	-168.00	80.4	-40.5	424.9	404.8	20.17	21.071					
4,275.0	4,237.0	4,242.3	4,237.0	12.3	9.0	-168.14	80.4	-40.5	429.8	409.5	20.32	21.155					
4,300.0	4,261.5	4,266.8	4,261.5	12.4	9.0	-168.28	80.4	-40.5	434.7	414.2	20.47	21.236					
4,325.0	4,286.0	4,291.3	4,286.0	12.6	9.0	-168.41	80.4	-40.5	439.6	419.0	20.62	21.316					
4,350.0	4,310.5	4,315.8	4,310.5	12.7	9.1	-168.54	80.4	-40.5	444.5	423.7	20.77	21.395					
4,375.0	4,335.0	4,340.3	4,335.0	12.8	9.1	-168.66	80.4	-40.5	449.4	428.4	20.93	21.473					
4,400.0	4,359.5	4,364.8	4,359.5	12.9	9.1	-168.79	80.4	-40.5	454.2	433.2	21.08	21.549					
4,425.0	4,384.0	4,389.3	4,384.0	13.0	9.1	-168.91	80.4	-40.5	459.1	437.9	21.23	21.624					
4,450.0	4,408.5	4,413.8	4,408.5	13.1	9.2	-169.03	80.4	-40.5	464.0	442.6	21.39	21.698					
4,475.0	4,433.0	4,438.3	4,433.0	13.2	9.2	-169.14	80.4	-40.5	468.9	447.4	21.54	21.770					
4,500.0	4,457.5	4,462.8	4,457.5	13.3	9.2	-169.26	80.4	-40.5	473.8	452.1	21.69	21.842					
4,525.0	4,482.0	4,487.3	4,482.0	13.4	9.2	-169.37	80.4	-40.5	478.7	456.9	21.85	21.912					
4,550.0	4,506.5	4,511.8	4,506.5	13.6	9.2	-169.48	80.4	-40.5	483.6	461.6	22.00	21.981					
4,575.0	4,531.0	4,536.3	4,531.0	13.7	9.3	-169.58	80.4	-40.5	488.5	466.4	22.16	22.049					
4,600.0	4,555.5	4,560.8	4,555.5	13.8	9.3	-169.69	80.4	-40.5	493.4	471.1	22.31	22.116					
4,625.0	4,580.0	4,585.3	4,580.0	13.9	9.3	-169.79	80.4	-40.5	498.4	475.9	22.47	22.182					
4,650.0	4,604.5	4,609.8	4,604.5	14.0	9.3	-169.89	80.4	-40.5	503.3	480.6	22.62	22.246					
4,675.0	4,629.0	4,634.3	4,629.0	14.1	9.4	-169.99	80.4	-40.5	508.2	485.4	22.78	22.310					
4,700.0	4,653.5	4,658.8	4,653.5	14.2	9.4	-170.09	80.4	-40.5	513.1	490.2	22.93	22.373					
4,725.0	4,678.0	4,683.3	4,678.0	14.3	9.4	-170.18	80.4	-40.5	518.0	494.9	23.09	22.435					
4,750.0	4,702.5	4,707.8	4,702.5	14.5	9.4	-170.27	80.4	-40.5	522.9	499.7	23.24	22.496					
4,775.0	4,727.0	4,732.3	4,727.0	14.6	9.5	-170.37	80.4	-40.5	527.8	504.4	23.40	22.556					
4,800.0	4,751.5	4,756.8	4,751.5	14.7	9.5	-170.45	80.4	-40.5	532.7	509.2	23.56	22.615					
4,825.0	4,776.0	4,781.3	4,776.0	14.8	9.5	-170.54	80.4	-40.5	537.7	514.0	23.71	22.678					
4,850.0	4,800.5	4,805.8	4,800.5	14.9	9.5	-170.63	80.4	-40.5	542.6	518.7	23.86	22.740					
4,874.1	4,824.1	4,829.4	4,824.1	15.0	9.6	-170.71	80.4	-40.5	547.3	523.3	24.01	22.799					
4,875.0	4,825.0	4,830.3	4,825.0	15.0	9.6	-170.71	80.4	-40.5	547.5	523.5	24.01	22.801					
4,900.0	4,849.5	4,854.8	4,849.5	15.1	9.6	-170.80	80.4	-40.5	552.4	528.2	24.16	22.865					
4,925.0	4,874.0	4,879.3	4,874.0	15.2	9.6	-170.89	80.4	-40.5	557.1	532.8	24.31	22.914					
4,950.0	4,898.6	4,903.9	4,898.6	15.3	9.6	-170.98	80.4	-40.5	561.8	537.3	24.47	22.958					
4,975.0	4,923.1	4,928.5	4,923.1	15.4	9.6	-171.06	80.4	-40.5	566.3	541.7	24.63	22.997					
5,000.0	4,947.7	4,953.0	4,947.7	15.6	9.7	-171.13	80.4	-40.5	570.8	546.0	24.78	23.031					
5,025.0	4,972.3	4,977.7	4,972.3	15.7	9.7	-171.21	80.4	-40.5	575.1	550.2	24.94	23.064					
5,050.0	4,997.0	5,002.3	4,997.0	15.8	9.7	-171.28	80.4	-40.5	579.4	554.3	25.09	23.092					

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
5,075.0	5,021.6	5,026.9	5,021.6	15.9	9.7	-171.35	80.4	-40.5	583.5	558.2	25.24	23.115	
5,100.0	5,046.3	5,051.6	5,046.3	16.0	9.8	-171.41	80.4	-40.5	587.5	562.1	25.40	23.134	
5,125.0	5,071.0	5,076.3	5,071.0	16.1	9.8	-171.48	80.4	-40.5	591.4	565.9	25.55	23.151	
5,150.0	5,095.7	5,101.0	5,095.7	16.2	9.8	-171.54	80.4	-40.5	595.2	569.5	25.70	23.164	
5,175.0	5,120.4	5,125.7	5,120.4	16.3	9.8	-171.59	80.4	-40.5	599.0	573.1	25.85	23.172	
5,200.0	5,145.1	5,150.4	5,145.1	16.4	9.9	-171.65	80.4	-40.5	602.6	576.6	26.00	23.177	
5,225.0	5,169.9	5,175.2	5,169.9	16.5	9.9	-171.70	80.4	-40.5	606.0	579.9	26.15	23.179	
5,250.0	5,194.6	5,200.0	5,194.6	16.6	9.9	-171.76	80.4	-40.5	609.4	583.1	26.29	23.178	
5,275.0	5,219.4	5,224.7	5,219.4	16.7	9.9	-171.80	80.4	-40.5	612.7	586.3	26.44	23.173	
5,300.0	5,244.2	5,249.5	5,244.2	16.8	10.0	-171.85	80.4	-40.5	615.9	589.3	26.59	23.163	
5,325.0	5,269.0	5,274.3	5,269.0	16.9	10.0	-171.90	80.4	-40.5	618.9	592.2	26.73	23.153	
5,350.0	5,293.8	5,299.2	5,293.8	17.0	10.0	-171.94	80.4	-40.5	621.9	595.0	26.88	23.139	
5,375.0	5,318.7	5,324.0	5,318.7	17.1	10.0	-171.98	80.4	-40.5	624.8	597.7	27.02	23.121	
5,400.0	5,343.5	5,348.8	5,343.5	17.2	10.0	-172.02	80.4	-40.5	627.5	600.3	27.16	23.100	
5,425.0	5,368.4	5,373.7	5,368.4	17.3	10.1	-172.06	80.4	-40.5	630.1	602.8	27.30	23.078	
5,450.0	5,393.2	5,398.6	5,393.2	17.4	10.1	-172.09	80.4	-40.5	632.7	605.2	27.44	23.053	
5,475.0	5,418.1	5,423.4	5,418.1	17.5	10.1	-172.13	80.4	-40.5	635.1	607.5	27.58	23.024	
5,500.0	5,443.0	5,448.3	5,443.0	17.6	10.1	-172.16	80.4	-40.5	637.4	609.7	27.72	22.991	
5,525.0	5,467.9	5,473.2	5,467.9	17.7	10.2	-172.19	80.4	-40.5	639.6	611.8	27.86	22.959	
5,550.0	5,492.8	5,498.1	5,492.8	17.8	10.2	-172.22	80.4	-40.5	641.7	613.7	27.99	22.923	
5,575.0	5,517.7	5,523.1	5,517.7	17.9	10.2	-172.24	80.4	-40.5	643.7	615.6	28.13	22.884	
5,600.0	5,542.7	5,548.0	5,542.7	18.0	10.2	-172.27	80.4	-40.5	645.6	617.3	28.26	22.842	
5,625.0	5,567.6	5,572.9	5,567.6	18.1	10.3	-172.29	80.4	-40.5	647.4	619.0	28.39	22.801	
5,650.0	5,592.5	5,597.9	5,592.5	18.2	10.3	-172.31	80.4	-40.5	649.1	620.5	28.52	22.756	
5,675.0	5,617.5	5,622.8	5,617.5	18.3	10.3	-172.34	80.4	-40.5	650.6	622.0	28.65	22.708	
5,700.0	5,642.5	5,647.8	5,642.5	18.4	10.3	-172.35	80.4	-40.5	652.1	623.3	28.78	22.657	
5,725.0	5,667.4	5,672.7	5,667.4	18.5	10.3	-172.37	80.4	-40.5	653.4	624.5	28.90	22.609	
5,750.0	5,692.4	5,697.7	5,692.4	18.6	10.4	-172.39	80.4	-40.5	654.7	625.6	29.02	22.557	
5,775.0	5,717.4	5,722.7	5,717.4	18.6	10.4	-172.40	80.4	-40.5	655.8	626.6	29.14	22.502	
5,800.0	5,742.3	5,747.7	5,742.3	18.7	10.4	-172.42	80.4	-40.5	656.8	627.5	29.27	22.443	
5,825.0	5,767.3	5,772.6	5,767.3	18.8	10.4	-172.43	80.4	-40.5	657.7	628.4	29.38	22.389	
5,850.0	5,792.3	5,797.6	5,792.3	18.9	10.5	-172.44	80.4	-40.5	658.5	629.0	29.49	22.332	
5,875.0	5,817.3	5,822.6	5,817.3	18.9	10.5	-172.45	80.4	-40.5	659.2	629.6	29.60	22.272	
5,900.0	5,842.3	5,847.6	5,842.3	19.0	10.5	-172.46	80.4	-40.5	659.8	630.1	29.71	22.208	
5,925.0	5,867.3	5,872.6	5,867.3	19.1	10.5	-172.46	80.4	-40.5	660.3	630.5	29.80	22.155	
5,950.0	5,892.3	5,897.6	5,892.3	19.1	10.6	-172.47	80.4	-40.5	660.7	630.8	29.90	22.099	
5,975.0	5,917.3	5,922.6	5,917.3	19.2	10.6	-172.47	80.4	-40.5	660.9	631.0	29.99	22.040	
6,000.0	5,942.3	5,947.6	5,942.3	19.3	10.6	-172.47	80.4	-40.5	661.1	631.0	30.08	21.977	
6,024.1	5,966.4	5,971.7	5,966.4	19.3	10.6	-93.39	80.4	-40.5	661.2	631.0	30.13	21.947	
6,025.0	5,967.3	5,972.6	5,967.3	19.3	10.6	-93.39	80.4	-40.5	661.2	631.0	30.13	21.946	
6,050.0	5,992.3	5,997.6	5,992.3	19.3	10.7	-93.39	80.4	-40.5	661.2	631.0	30.15	21.928	
6,075.0	6,017.3	6,022.6	6,017.3	19.3	10.7	-93.39	80.4	-40.5	661.2	631.0	30.18	21.909	
6,100.0	6,042.3	6,047.6	6,042.3	19.3	10.7	-93.39	80.4	-40.5	661.2	631.0	30.20	21.890	
6,125.0	6,067.3	6,072.6	6,067.3	19.3	10.7	-93.39	80.4	-40.5	661.2	630.9	30.23	21.869	
6,150.0	6,092.3	6,097.6	6,092.3	19.3	10.7	-93.39	80.4	-40.5	661.2	630.9	30.26	21.848	
6,175.0	6,117.3	6,122.6	6,117.3	19.3	10.8	-93.39	80.4	-40.5	661.2	630.9	30.29	21.828	
6,200.0	6,142.3	6,147.6	6,142.3	19.4	10.8	-93.39	80.4	-40.5	661.2	630.8	30.32	21.807	
6,225.0	6,167.3	6,172.6	6,167.3	19.4	10.8	-93.39	80.4	-40.5	661.2	630.8	30.35	21.786	
6,250.0	6,192.3	6,197.6	6,192.3	19.4	10.8	-93.39	80.4	-40.5	661.2	630.8	30.38	21.765	
6,275.0	6,217.3	6,222.6	6,217.3	19.4	10.9	-93.39	80.4	-40.5	661.2	630.8	30.41	21.744	
6,300.0	6,242.3	6,247.6	6,242.3	19.4	10.9	-93.39	80.4	-40.5	661.2	630.7	30.43	21.724	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
6,325.0	6,267.3	6,272.6	6,267.3	19.4	10.9	-93.39	80.4	-40.5	661.2	630.7	30.46	21.703	
6,350.0	6,292.3	6,297.6	6,292.3	19.4	10.9	-93.39	80.4	-40.5	661.2	630.7	30.49	21.682	
6,375.0	6,317.3	6,322.6	6,317.3	19.4	11.0	-93.39	80.4	-40.5	661.2	630.6	30.52	21.662	
6,400.0	6,342.3	6,347.6	6,342.3	19.4	11.0	-93.39	80.4	-40.5	661.2	630.6	30.55	21.641	
6,425.0	6,367.3	6,372.6	6,367.3	19.4	11.0	-93.39	80.4	-40.5	661.2	630.6	30.58	21.620	
6,450.0	6,392.3	6,397.6	6,392.3	19.5	11.0	-93.39	80.4	-40.5	661.2	630.5	30.61	21.600	
6,475.0	6,417.3	6,422.6	6,417.3	19.5	11.0	-93.39	80.4	-40.5	661.2	630.5	30.64	21.579	
6,500.0	6,442.3	6,447.6	6,442.3	19.5	11.1	-93.39	80.4	-40.5	661.2	630.5	30.67	21.558	
6,525.0	6,467.3	6,472.6	6,467.3	19.5	11.1	-93.39	80.4	-40.5	661.2	630.5	30.70	21.538	
6,550.0	6,492.3	6,497.6	6,492.3	19.5	11.1	-93.39	80.4	-40.5	661.2	630.4	30.73	21.517	
6,575.0	6,517.3	6,522.6	6,517.3	19.5	11.1	-93.39	80.4	-40.5	661.2	630.4	30.76	21.497	
6,600.0	6,542.3	6,547.6	6,542.3	19.5	11.2	-93.39	80.4	-40.5	661.2	630.4	30.79	21.476	
6,625.0	6,567.3	6,572.6	6,567.3	19.5	11.2	-93.39	80.4	-40.5	661.2	630.3	30.81	21.456	
6,650.0	6,592.3	6,597.6	6,592.3	19.5	11.2	-93.39	80.4	-40.5	661.2	630.3	30.84	21.435	
6,675.0	6,617.3	6,622.6	6,617.3	19.6	11.2	-93.39	80.4	-40.5	661.2	630.3	30.87	21.415	
6,700.0	6,642.3	6,647.6	6,642.3	19.6	11.3	-93.39	80.4	-40.5	661.2	630.3	30.90	21.395	
6,725.0	6,667.3	6,672.6	6,667.3	19.6	11.3	-93.39	80.4	-40.5	661.2	630.2	30.93	21.374	
6,750.0	6,692.3	6,697.6	6,692.3	19.6	11.3	-93.39	80.4	-40.5	661.2	630.2	30.96	21.354	
6,775.0	6,717.3	6,722.6	6,717.3	19.6	11.3	-93.39	80.4	-40.5	661.2	630.2	30.99	21.334	
6,800.0	6,742.3	6,747.6	6,742.3	19.6	11.3	-93.39	80.4	-40.5	661.2	630.1	31.02	21.313	
6,825.0	6,767.3	6,772.6	6,767.3	19.6	11.4	-93.39	80.4	-40.5	661.2	630.1	31.05	21.293	
6,850.0	6,792.3	6,797.6	6,792.3	19.6	11.4	-93.39	80.4	-40.5	661.2	630.1	31.08	21.273	
6,875.0	6,817.3	6,822.6	6,817.3	19.6	11.4	-93.39	80.4	-40.5	661.2	630.0	31.11	21.252	
6,900.0	6,842.3	6,847.6	6,842.3	19.6	11.4	-93.39	80.4	-40.5	661.2	630.0	31.14	21.232	
6,925.0	6,867.3	6,872.6	6,867.3	19.7	11.5	-93.39	80.4	-40.5	661.2	630.0	31.17	21.212	
6,950.0	6,892.3	6,897.6	6,892.3	19.7	11.5	-93.39	80.4	-40.5	661.2	630.0	31.20	21.192	
6,975.0	6,917.3	6,922.6	6,917.3	19.7	11.5	-93.39	80.4	-40.5	661.2	629.9	31.23	21.172	
7,000.0	6,942.3	6,947.6	6,942.3	19.7	11.5	-93.39	80.4	-40.5	661.2	629.9	31.26	21.151	
7,025.0	6,967.3	6,972.6	6,967.3	19.7	11.5	-93.39	80.4	-40.5	661.2	629.9	31.29	21.131	
7,050.0	6,992.3	6,997.6	6,992.3	19.7	11.6	-93.39	80.4	-40.5	661.2	629.8	31.32	21.111	
7,075.0	7,017.3	7,022.6	7,017.3	19.7	11.6	-93.39	80.4	-40.5	661.2	629.8	31.35	21.091	
7,100.0	7,042.3	7,047.6	7,042.3	19.7	11.6	-93.39	80.4	-40.5	661.2	629.8	31.38	21.071	
7,125.0	7,067.3	7,072.6	7,067.3	19.7	11.6	-93.39	80.4	-40.5	661.2	629.7	31.41	21.051	
7,150.0	7,092.3	7,097.6	7,092.3	19.8	11.7	-93.39	80.4	-40.5	661.2	629.7	31.44	21.031	
7,175.0	7,117.3	7,122.6	7,117.3	19.8	11.7	-93.39	80.4	-40.5	661.2	629.7	31.47	21.011	
7,200.0	7,142.3	7,147.6	7,142.3	19.8	11.7	-93.39	80.4	-40.5	661.2	629.7	31.50	20.991	
7,225.0	7,167.3	7,172.6	7,167.3	19.8	11.7	-93.39	80.4	-40.5	661.2	629.6	31.53	20.971	
7,250.0	7,192.3	7,197.6	7,192.3	19.8	11.8	-93.39	80.4	-40.5	661.2	629.6	31.56	20.951	
7,275.0	7,217.3	7,222.6	7,217.3	19.8	11.8	-93.39	80.4	-40.5	661.2	629.6	31.59	20.931	
7,300.0	7,242.3	7,247.6	7,242.3	19.8	11.8	-93.39	80.4	-40.5	661.2	629.5	31.62	20.912	
7,325.0	7,267.3	7,272.6	7,267.3	19.8	11.8	-93.39	80.4	-40.5	661.2	629.5	31.65	20.892	
7,350.0	7,292.3	7,297.6	7,292.3	19.8	11.8	-93.39	80.4	-40.5	661.2	629.5	31.68	20.872	
7,375.0	7,317.3	7,322.6	7,317.3	19.9	11.9	-93.39	80.4	-40.5	661.2	629.5	31.71	20.852	
7,400.0	7,342.3	7,347.6	7,342.3	19.9	11.9	-93.39	80.4	-40.5	661.2	629.4	31.74	20.832	
7,425.0	7,367.3	7,372.6	7,367.3	19.9	11.9	-93.39	80.4	-40.5	661.2	629.4	31.77	20.812	
7,450.0	7,392.3	7,397.6	7,392.3	19.9	11.9	-93.39	80.4	-40.5	661.2	629.4	31.80	20.793	
7,475.0	7,417.3	7,422.6	7,417.3	19.9	12.0	-93.39	80.4	-40.5	661.2	629.3	31.83	20.773	
7,500.0	7,442.3	7,447.6	7,442.3	19.9	12.0	-93.39	80.4	-40.5	661.2	629.3	31.86	20.753	
7,525.0	7,467.3	7,472.6	7,467.3	19.9	12.0	-93.39	80.4	-40.5	661.2	629.3	31.89	20.734	
7,550.0	7,492.3	7,497.6	7,492.3	19.9	12.0	-93.39	80.4	-40.5	661.2	629.2	31.92	20.714	
7,575.0	7,517.3	7,522.6	7,517.3	19.9	12.0	-93.39	80.4	-40.5	661.2	629.2	31.95	20.694	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
7,600.0	7,542.3	7,547.6	7,542.3	20.0	12.1	-93.39	80.4	-40.5	661.2	629.2	31.98	20.675	
7,625.0	7,567.3	7,572.6	7,567.3	20.0	12.1	-93.39	80.4	-40.5	661.2	629.1	32.01	20.655	
7,650.0	7,592.3	7,597.6	7,592.3	20.0	12.1	-93.39	80.4	-40.5	661.2	629.1	32.04	20.636	
7,675.0	7,617.3	7,622.6	7,617.3	20.0	12.1	-93.39	80.4	-40.5	661.2	629.1	32.07	20.616	
7,700.0	7,642.3	7,647.6	7,642.3	20.0	12.2	-93.39	80.4	-40.5	661.2	629.1	32.10	20.597	
7,725.0	7,667.3	7,672.6	7,667.3	20.0	12.2	-93.39	80.4	-40.5	661.2	629.0	32.13	20.577	
7,750.0	7,692.3	7,697.6	7,692.3	20.0	12.2	-93.39	80.4	-40.5	661.2	629.0	32.16	20.558	
7,775.0	7,717.3	7,722.6	7,717.3	20.0	12.2	-93.39	80.4	-40.5	661.2	629.0	32.19	20.538	
7,800.0	7,742.3	7,747.6	7,742.3	20.0	12.3	-93.39	80.4	-40.5	661.2	628.9	32.22	20.519	
7,825.0	7,767.3	7,772.6	7,767.3	20.1	12.3	-93.39	80.4	-40.5	661.2	628.9	32.25	20.499	
7,850.0	7,792.3	7,797.6	7,792.3	20.1	12.3	-93.39	80.4	-40.5	661.2	628.9	32.28	20.480	
7,875.0	7,817.3	7,822.6	7,817.3	20.1	12.3	-93.39	80.4	-40.5	661.2	628.8	32.31	20.461	
7,900.0	7,842.3	7,847.6	7,842.3	20.1	12.3	-93.39	80.4	-40.5	661.2	628.8	32.34	20.441	
7,925.0	7,867.3	7,872.6	7,867.3	20.1	12.4	-93.39	80.4	-40.5	661.2	628.8	32.37	20.422	
7,950.0	7,892.3	7,897.6	7,892.3	20.1	12.4	-93.39	80.4	-40.5	661.2	628.8	32.41	20.403	
7,975.0	7,917.3	7,922.6	7,917.3	20.1	12.4	-93.39	80.4	-40.5	661.2	628.7	32.44	20.384	
8,000.0	7,942.3	7,947.6	7,942.3	20.1	12.4	-93.39	80.4	-40.5	661.2	628.7	32.47	20.364	
8,025.0	7,967.3	7,972.6	7,967.3	20.1	12.5	-93.39	80.4	-40.5	661.2	628.7	32.50	20.345	
8,050.0	7,992.3	7,997.6	7,992.3	20.2	12.5	-93.39	80.4	-40.5	661.2	628.6	32.53	20.326	
8,075.0	8,017.3	8,022.6	8,017.3	20.2	12.5	-93.39	80.4	-40.5	661.2	628.6	32.56	20.307	
8,100.0	8,042.3	8,047.6	8,042.3	20.2	12.5	-93.39	80.4	-40.5	661.2	628.6	32.59	20.288	
8,125.0	8,067.3	8,072.6	8,067.3	20.2	12.5	-93.39	80.4	-40.5	661.2	628.5	32.62	20.268	
8,150.0	8,092.3	8,097.6	8,092.3	20.2	12.6	-93.39	80.4	-40.5	661.2	628.5	32.65	20.249	
8,175.0	8,117.3	8,122.6	8,117.3	20.2	12.6	-93.39	80.4	-40.5	661.2	628.5	32.68	20.230	
8,200.0	8,142.3	8,147.6	8,142.3	20.2	12.6	-93.39	80.4	-40.5	661.2	628.4	32.71	20.211	
8,225.0	8,167.3	8,172.6	8,167.3	20.2	12.6	-93.39	80.4	-40.5	661.2	628.4	32.74	20.192	
8,250.0	8,192.3	8,197.6	8,192.3	20.2	12.7	-93.39	80.4	-40.5	661.2	628.4	32.77	20.173	
8,275.0	8,217.3	8,222.6	8,217.3	20.3	12.7	-93.39	80.4	-40.5	661.2	628.4	32.80	20.154	
8,300.0	8,242.3	8,247.6	8,242.3	20.3	12.7	-93.39	80.4	-40.5	661.2	628.3	32.84	20.135	
8,325.0	8,267.3	8,272.6	8,267.3	20.3	12.7	-93.39	80.4	-40.5	661.2	628.3	32.87	20.116	
8,350.0	8,292.3	8,297.6	8,292.3	20.3	12.7	-93.39	80.4	-40.5	661.2	628.3	32.90	20.097	
8,375.0	8,317.3	8,322.6	8,317.3	20.3	12.8	-93.39	80.4	-40.5	661.2	628.2	32.93	20.079	
8,400.0	8,342.3	8,347.6	8,342.3	20.3	12.8	-93.39	80.4	-40.5	661.2	628.2	32.96	20.060	
8,425.0	8,367.3	8,372.6	8,367.3	20.3	12.8	-93.39	80.4	-40.5	661.2	628.2	32.99	20.041	
8,450.0	8,392.3	8,397.6	8,392.3	20.3	12.8	-93.39	80.4	-40.5	661.2	628.1	33.02	20.022	
8,475.0	8,417.3	8,422.6	8,417.3	20.3	12.9	-93.39	80.4	-40.5	661.2	628.1	33.05	20.003	
8,500.0	8,442.3	8,447.6	8,442.3	20.4	12.9	-93.39	80.4	-40.5	661.2	628.1	33.08	19.984	
8,525.0	8,467.3	8,472.6	8,467.3	20.4	12.9	-93.39	80.4	-40.5	661.2	628.0	33.11	19.966	
8,550.0	8,492.3	8,497.6	8,492.3	20.4	12.9	-93.39	80.4	-40.5	661.2	628.0	33.15	19.947	
8,575.0	8,517.3	8,522.6	8,517.3	20.4	12.9	-93.39	80.4	-40.5	661.2	628.0	33.18	19.928	
8,600.0	8,542.3	8,547.6	8,542.3	20.4	13.0	-93.39	80.4	-40.5	661.2	627.9	33.21	19.910	
8,625.0	8,567.3	8,572.6	8,567.3	20.4	13.0	-93.39	80.4	-40.5	661.2	627.9	33.24	19.891	
8,650.0	8,592.3	8,597.6	8,592.3	20.4	13.0	-93.39	80.4	-40.5	661.2	627.9	33.27	19.872	
8,675.0	8,617.3	8,622.6	8,617.3	20.4	13.0	-93.39	80.4	-40.5	661.2	627.9	33.30	19.854	
8,700.0	8,642.3	8,647.6	8,642.3	20.5	13.1	-93.39	80.4	-40.5	661.2	627.8	33.33	19.835	
8,725.0	8,667.3	8,672.6	8,667.3	20.5	13.1	-93.39	80.4	-40.5	661.2	627.8	33.36	19.816	
8,750.0	8,692.3	8,697.6	8,692.3	20.5	13.1	-93.39	80.4	-40.5	661.2	627.8	33.40	19.798	
8,775.0	8,717.3	8,722.6	8,717.3	20.5	13.1	-93.39	80.4	-40.5	661.2	627.7	33.43	19.779	
8,800.0	8,742.3	8,747.6	8,742.3	20.5	13.1	-93.39	80.4	-40.5	661.2	627.7	33.46	19.761	
8,825.0	8,767.3	8,772.6	8,767.3	20.5	13.2	-93.39	80.4	-40.5	661.2	627.7	33.49	19.742	
8,850.0	8,792.3	8,797.6	8,792.3	20.5	13.2	-93.39	80.4	-40.5	661.2	627.6	33.52	19.724	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
8,875.0	8,817.3	8,822.6	8,817.3	20.5	13.2	-93.39	80.4	-40.5	661.2	627.6	33.55	19.706	
8,900.0	8,842.3	8,847.6	8,842.3	20.5	13.2	-93.39	80.4	-40.5	661.2	627.6	33.58	19.687	
8,925.0	8,867.3	8,872.6	8,867.3	20.6	13.3	-93.39	80.4	-40.5	661.2	627.5	33.61	19.669	
8,950.0	8,892.3	8,897.6	8,892.3	20.6	13.3	-93.39	80.4	-40.5	661.2	627.5	33.65	19.650	
8,975.0	8,917.3	8,922.6	8,917.3	20.6	13.3	-93.39	80.4	-40.5	661.2	627.5	33.68	19.632	
9,000.0	8,942.3	8,947.6	8,942.3	20.6	13.3	-93.39	80.4	-40.5	661.2	627.4	33.71	19.614	
9,025.0	8,967.3	8,972.6	8,967.3	20.6	13.3	-93.39	80.4	-40.5	661.2	627.4	33.74	19.595	
9,050.0	8,992.3	8,997.6	8,992.3	20.6	13.4	-93.39	80.4	-40.5	661.2	627.4	33.77	19.577	
9,075.0	9,017.3	9,022.6	9,017.3	20.6	13.4	-93.39	80.4	-40.5	661.2	627.4	33.80	19.559	
9,100.0	9,042.3	9,047.6	9,042.3	20.6	13.4	-93.39	80.4	-40.5	661.2	627.3	33.83	19.541	
9,125.0	9,067.3	9,072.6	9,067.3	20.7	13.4	-93.39	80.4	-40.5	661.2	627.3	33.86	19.524	
9,150.0	9,092.3	9,097.6	9,092.3	20.7	13.5	-93.39	80.4	-40.5	661.2	627.3	33.89	19.508	
9,175.0	9,117.3	9,122.6	9,117.3	20.7	13.5	-93.39	80.4	-40.5	661.2	627.2	33.92	19.491	
9,179.3	9,121.5	9,126.9	9,121.5	20.7	13.5	-93.39	80.4	-40.5	661.2	627.2	33.93	19.489	
9,200.0	9,142.3	9,147.6	9,142.3	20.7	13.5	-93.36	80.4	-40.5	661.2	627.2	33.94	19.479	
9,225.0	9,167.2	9,172.5	9,167.2	20.7	13.5	-93.50	80.4	-40.5	661.3	627.3	33.97	19.468	
9,250.0	9,192.0	9,197.3	9,192.0	20.7	13.5	-93.73	80.4	-40.5	661.5	627.5	34.00	19.458	
9,275.0	9,216.6	9,222.0	9,216.6	20.7	13.6	-94.07	80.4	-40.5	661.8	627.8	34.02	19.451	
9,300.0	9,241.0	9,246.3	9,241.0	20.7	13.6	-94.49	80.4	-40.5	662.2	628.2	34.05	19.446	
9,325.0	9,265.0	9,270.3	9,265.0	20.7	13.6	-94.99	80.4	-40.5	662.8	628.7	34.08	19.446	
9,350.0	9,288.7	9,294.0	9,288.7	20.7	13.6	-95.56	80.4	-40.5	663.6	629.5	34.12	19.451	
9,375.0	9,311.8	9,320.1	9,314.8	20.7	13.6	-96.25	80.7	-40.5	664.6	630.4	34.15	19.459	
9,400.0	9,334.5	9,348.3	9,342.9	20.7	13.6	-96.99	82.7	-40.5	665.7	631.5	34.20	19.467	
9,425.0	9,356.6	9,377.2	9,371.6	20.7	13.7	-97.72	86.3	-40.5	666.9	632.7	34.24	19.477	
9,450.0	9,378.0	9,406.9	9,400.7	20.7	13.7	-98.43	91.9	-40.5	668.2	633.9	34.29	19.488	
9,475.0	9,398.7	9,437.3	9,430.2	20.7	13.7	-99.14	99.5	-40.5	669.6	635.2	34.34	19.498	
9,500.0	9,418.7	9,468.6	9,459.9	20.7	13.7	-99.82	109.2	-40.5	671.0	636.6	34.40	19.507	
9,525.0	9,437.9	9,500.8	9,489.8	20.7	13.7	-100.49	121.2	-40.5	672.4	637.9	34.46	19.515	
9,550.0	9,456.1	9,533.8	9,519.5	20.7	13.7	-101.14	135.6	-40.6	673.8	639.3	34.52	19.520	
9,575.0	9,473.5	9,567.7	9,548.8	20.7	13.8	-101.75	152.5	-40.6	675.3	640.7	34.59	19.523	
9,600.0	9,489.9	9,602.5	9,577.7	20.7	13.8	-102.34	171.9	-40.6	676.7	642.0	34.66	19.521	
9,625.0	9,505.3	9,638.1	9,605.7	20.8	13.8	-102.88	194.0	-40.6	678.0	643.3	34.74	19.515	
9,650.0	9,519.6	9,674.5	9,632.5	20.8	13.9	-103.38	218.6	-40.7	679.3	644.4	34.83	19.504	
9,675.0	9,532.9	9,711.8	9,657.9	20.8	13.9	-103.83	245.8	-40.7	680.4	645.5	34.91	19.488	
9,700.0	9,545.0	9,749.7	9,681.6	20.8	13.9	-104.23	275.5	-40.7	681.4	646.4	35.00	19.467	
9,725.0	9,556.0	9,788.3	9,703.1	20.8	13.9	-104.56	307.5	-40.8	682.3	647.2	35.10	19.441	
9,750.0	9,565.8	9,827.4	9,722.2	20.8	14.0	-104.83	341.6	-40.8	683.0	647.8	35.19	19.410	
9,775.0	9,574.3	9,867.0	9,738.7	20.9	14.0	-105.02	377.6	-40.8	683.5	648.2	35.28	19.374	
9,800.0	9,581.6	9,906.8	9,752.2	20.9	14.0	-105.14	415.0	-40.9	683.8	648.4	35.37	19.335	
9,825.0	9,587.7	9,946.8	9,762.5	20.9	14.0	-105.19	453.7	-40.9	683.9	648.5	35.45	19.292	
9,850.0	9,592.4	9,986.8	9,769.6	20.9	14.1	-105.15	493.0	-41.0	683.8	648.3	35.53	19.246	
9,875.0	9,595.9	10,026.7	9,773.4	21.0	14.1	-105.04	532.7	-41.0	683.5	647.9	35.61	19.196	
9,900.0	9,598.1	10,059.5	9,774.1	21.0	14.1	-104.91	565.5	-41.1	683.1	647.4	35.69	19.143	
9,925.0	9,599.0	10,084.5	9,774.3	21.0	14.1	-104.87	590.5	-41.1	682.9	647.2	35.77	19.090	
9,925.3	9,599.0	10,084.8	9,774.3	21.0	14.1	-104.87	590.8	-41.1	682.9	647.2	35.77	19.090	
9,925.6	9,599.0	10,085.1	9,774.3	21.0	14.1	-104.87	591.1	-41.1	682.9	647.2	35.78	19.089	
9,950.0	9,599.2	10,109.5	9,774.5	21.1	14.1	-104.88	615.5	-41.1	682.9	647.1	35.87	19.037	
9,975.0	9,599.4	10,134.5	9,774.7	21.1	14.1	-104.88	640.5	-41.2	682.9	647.0	35.98	18.980	
10,000.0	9,599.6	10,159.5	9,774.9	21.1	14.1	-104.88	665.5	-41.2	682.9	646.8	36.09	18.924	
10,025.0	9,599.8	10,184.5	9,775.1	21.2	14.2	-104.88	690.5	-41.2	682.9	646.7	36.21	18.862	
10,050.0	9,600.0	10,209.5	9,775.3	21.2	14.2	-104.88	715.5	-41.2	682.9	646.6	36.33	18.800	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,075.0	9,600.2	10,234.5	9,775.5	21.3	14.2	-104.88	740.5	-41.3	682.9	646.5	36.45	18.735	
10,100.0	9,600.3	10,259.5	9,775.7	21.3	14.3	-104.88	765.5	-41.3	682.9	646.4	36.58	18.671	
10,125.0	9,600.5	10,284.5	9,775.9	21.4	14.3	-104.88	790.5	-41.3	683.0	646.2	36.71	18.603	
10,150.0	9,600.7	10,309.5	9,776.1	21.5	14.4	-104.88	815.5	-41.4	683.0	646.1	36.85	18.533	
10,175.0	9,600.9	10,334.5	9,776.4	21.5	14.4	-104.88	840.5	-41.4	683.0	646.0	36.99	18.462	
10,200.0	9,601.1	10,359.5	9,776.6	21.6	14.5	-104.89	865.5	-41.4	683.0	645.8	37.13	18.391	
10,225.0	9,601.3	10,384.5	9,776.8	21.6	14.6	-104.89	890.5	-41.4	683.0	645.7	37.29	18.317	
10,250.0	9,601.5	10,409.5	9,777.0	21.7	14.7	-104.89	915.5	-41.5	683.0	645.5	37.44	18.242	
10,275.0	9,601.7	10,434.5	9,777.2	21.8	14.7	-104.89	940.5	-41.5	683.0	645.4	37.60	18.165	
10,300.0	9,601.9	10,459.5	9,777.4	21.8	14.8	-104.89	965.5	-41.5	683.0	645.2	37.76	18.089	
10,325.0	9,602.1	10,484.5	9,777.6	21.9	14.9	-104.89	990.5	-41.6	683.0	645.1	37.92	18.009	
10,350.0	9,602.3	10,509.5	9,777.8	22.0	15.1	-104.89	1,015.5	-41.6	683.0	644.9	38.09	17.929	
10,375.0	9,602.5	10,534.5	9,778.0	22.1	15.2	-104.89	1,040.5	-41.6	683.0	644.7	38.27	17.848	
10,400.0	9,602.7	10,559.5	9,778.2	22.1	15.3	-104.89	1,065.5	-41.6	683.0	644.5	38.44	17.768	
10,425.0	9,602.9	10,584.5	9,778.4	22.2	15.4	-104.89	1,090.5	-41.7	683.0	644.4	38.62	17.684	
10,450.0	9,603.1	10,609.5	9,778.6	22.3	15.5	-104.89	1,115.5	-41.7	683.0	644.2	38.81	17.600	
10,475.0	9,603.3	10,634.5	9,778.8	22.4	15.6	-104.90	1,140.5	-41.7	683.0	644.0	38.99	17.516	
10,500.0	9,603.4	10,659.5	9,779.0	22.5	15.8	-104.90	1,165.5	-41.8	683.0	643.8	39.18	17.432	
10,525.0	9,603.6	10,684.5	9,779.2	22.6	15.9	-104.90	1,190.5	-41.8	683.0	643.6	39.38	17.345	
10,550.0	9,603.8	10,709.5	9,779.4	22.6	16.0	-104.90	1,215.5	-41.8	683.0	643.4	39.57	17.258	
10,575.0	9,604.0	10,734.5	9,779.6	22.7	16.1	-104.90	1,240.5	-41.9	683.0	643.2	39.78	17.171	
10,600.0	9,604.2	10,759.5	9,779.8	22.8	16.3	-104.90	1,265.5	-41.9	683.0	643.0	39.98	17.085	
10,625.0	9,604.4	10,784.5	9,780.0	22.9	16.4	-104.90	1,290.5	-41.9	683.0	642.8	40.19	16.996	
10,650.0	9,604.6	10,809.5	9,780.3	23.0	16.6	-104.90	1,315.5	-41.9	683.0	642.6	40.40	16.907	
10,675.0	9,604.8	10,834.5	9,780.5	23.1	16.7	-104.90	1,340.5	-42.0	683.0	642.4	40.61	16.818	
10,700.0	9,605.0	10,859.5	9,780.7	23.2	16.8	-104.90	1,365.5	-42.0	683.0	642.2	40.83	16.730	
10,725.0	9,605.2	10,884.5	9,780.9	23.3	17.0	-104.91	1,390.5	-42.0	683.0	642.0	41.05	16.640	
10,750.0	9,605.4	10,909.5	9,781.1	23.4	17.1	-104.91	1,415.5	-42.1	683.0	641.8	41.27	16.550	
10,775.0	9,605.6	10,934.5	9,781.3	23.5	17.3	-104.91	1,440.5	-42.1	683.0	641.5	41.50	16.460	
10,800.0	9,605.8	10,959.5	9,781.5	23.6	17.4	-104.91	1,465.5	-42.1	683.0	641.3	41.72	16.370	
10,825.0	9,606.0	10,984.5	9,781.7	23.7	17.6	-104.91	1,490.5	-42.1	683.0	641.1	41.96	16.280	
10,850.0	9,606.2	11,009.5	9,781.9	23.8	17.7	-104.91	1,515.5	-42.2	683.0	640.8	42.19	16.189	
10,875.0	9,606.3	11,034.5	9,782.1	23.9	17.9	-104.91	1,540.5	-42.2	683.0	640.6	42.43	16.099	
10,900.0	9,606.5	11,059.5	9,782.3	24.1	18.0	-104.91	1,565.5	-42.2	683.0	640.4	42.67	16.009	
10,925.0	9,606.7	11,084.5	9,782.5	24.2	18.2	-104.91	1,590.5	-42.3	683.0	640.1	42.91	15.918	
10,950.0	9,606.9	11,109.5	9,782.7	24.3	18.3	-104.91	1,615.5	-42.3	683.1	639.9	43.16	15.828	
10,975.0	9,607.1	11,134.5	9,782.9	24.4	18.5	-104.92	1,640.5	-42.3	683.1	639.7	43.40	15.737	
11,000.0	9,607.3	11,159.5	9,783.1	24.5	18.6	-104.92	1,665.5	-42.3	683.1	639.4	43.65	15.648	
11,025.0	9,607.5	11,184.5	9,783.3	24.6	18.8	-104.92	1,690.4	-42.4	683.1	639.2	43.91	15.558	
11,050.0	9,607.7	11,209.5	9,783.5	24.7	19.0	-104.92	1,715.4	-42.4	683.1	638.9	44.16	15.468	
11,075.0	9,607.9	11,234.5	9,783.7	24.9	19.1	-104.92	1,740.4	-42.4	683.1	638.6	44.42	15.378	
11,100.0	9,608.1	11,259.5	9,784.0	25.0	19.3	-104.92	1,765.4	-42.5	683.1	638.4	44.68	15.289	
11,125.0	9,608.3	11,284.5	9,784.2	25.1	19.4	-104.92	1,790.4	-42.5	683.1	638.1	44.94	15.200	
11,150.0	9,608.5	11,309.5	9,784.4	25.2	19.6	-104.92	1,815.4	-42.5	683.1	637.9	45.20	15.111	
11,175.0	9,608.7	11,334.5	9,784.6	25.4	19.8	-104.92	1,840.4	-42.6	683.1	637.6	45.47	15.022	
11,200.0	9,608.9	11,359.5	9,784.8	25.5	19.9	-104.92	1,865.4	-42.6	683.1	637.3	45.74	14.935	
11,225.0	9,609.1	11,384.5	9,785.0	25.6	20.1	-104.92	1,890.4	-42.6	683.1	637.1	46.01	14.846	
11,250.0	9,609.2	11,409.5	9,785.2	25.7	20.3	-104.93	1,915.4	-42.6	683.1	636.8	46.28	14.759	
11,275.0	9,609.4	11,434.5	9,785.4	25.9	20.4	-104.93	1,940.4	-42.7	683.1	636.5	46.56	14.672	
11,300.0	9,609.6	11,459.5	9,785.6	26.0	20.6	-104.93	1,965.4	-42.7	683.1	636.3	46.83	14.585	
11,325.0	9,609.8	11,484.5	9,785.8	26.1	20.8	-104.93	1,990.4	-42.7	683.1	636.0	47.11	14.499	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
11,350.0	9,610.0	11,509.5	9,786.0	26.3	20.9	-104.93	2,015.4	-42.8	683.1	635.7	47.40	14.413	
11,375.0	9,610.2	11,534.5	9,786.2	26.4	21.1	-104.93	2,040.4	-42.8	683.1	635.4	47.68	14.327	
11,400.0	9,610.4	11,559.5	9,786.4	26.5	21.3	-104.93	2,065.4	-42.8	683.1	635.1	47.96	14.242	
11,425.0	9,610.6	11,584.5	9,786.6	26.7	21.5	-104.93	2,090.4	-42.8	683.1	634.9	48.25	14.158	
11,450.0	9,610.8	11,609.5	9,786.8	26.8	21.6	-104.93	2,115.4	-42.9	683.1	634.6	48.54	14.073	
11,475.0	9,611.0	11,634.5	9,787.0	27.0	21.8	-104.93	2,140.4	-42.9	683.1	634.3	48.83	13.990	
11,500.0	9,611.2	11,659.5	9,787.2	27.1	22.0	-104.94	2,165.4	-42.9	683.1	634.0	49.12	13.907	
11,525.0	9,611.4	11,684.5	9,787.4	27.2	22.2	-104.94	2,190.4	-43.0	683.1	633.7	49.42	13.824	
11,550.0	9,611.6	11,709.5	9,787.6	27.4	22.3	-104.94	2,215.4	-43.0	683.1	633.4	49.71	13.742	
11,575.0	9,611.8	11,734.5	9,787.9	27.5	22.5	-104.94	2,240.4	-43.0	683.1	633.1	50.01	13.660	
11,600.0	9,612.0	11,759.5	9,788.1	27.7	22.7	-104.94	2,265.4	-43.0	683.1	632.8	50.31	13.579	
11,625.0	9,612.1	11,784.5	9,788.3	27.8	22.9	-104.94	2,290.4	-43.1	683.1	632.5	50.61	13.499	
11,650.0	9,612.3	11,809.5	9,788.5	28.0	23.1	-104.94	2,315.4	-43.1	683.1	632.2	50.91	13.418	
11,675.0	9,612.5	11,834.5	9,788.7	28.1	23.2	-104.94	2,340.4	-43.1	683.1	631.9	51.21	13.339	
11,700.0	9,612.7	11,859.5	9,788.9	28.3	23.4	-104.94	2,365.4	-43.2	683.1	631.6	51.52	13.260	
11,725.0	9,612.9	11,884.5	9,789.1	28.4	23.6	-104.94	2,390.4	-43.2	683.1	631.3	51.83	13.182	
11,750.0	9,613.1	11,909.5	9,789.3	28.5	23.8	-104.95	2,415.4	-43.2	683.1	631.0	52.13	13.104	
11,775.0	9,613.3	11,934.5	9,789.5	28.7	24.0	-104.95	2,440.4	-43.3	683.1	630.7	52.44	13.026	
11,800.0	9,613.5	11,959.5	9,789.7	28.8	24.1	-104.95	2,465.4	-43.3	683.2	630.4	52.75	12.950	
11,825.0	9,613.7	11,984.5	9,789.9	29.0	24.3	-104.95	2,490.4	-43.3	683.2	630.1	53.07	12.874	
11,850.0	9,613.9	12,009.5	9,790.1	29.2	24.5	-104.95	2,515.4	-43.3	683.2	629.8	53.38	12.798	
11,875.0	9,614.1	12,034.5	9,790.3	29.3	24.7	-104.95	2,540.4	-43.4	683.2	629.5	53.70	12.723	
11,900.0	9,614.3	12,059.5	9,790.5	29.5	24.9	-104.95	2,565.4	-43.4	683.2	629.2	54.01	12.649	
11,925.0	9,614.5	12,084.5	9,790.7	29.6	25.1	-104.95	2,590.4	-43.4	683.2	628.8	54.33	12.574	
11,950.0	9,614.7	12,109.5	9,790.9	29.8	25.2	-104.95	2,615.4	-43.5	683.2	628.5	54.65	12.501	
11,975.0	9,614.9	12,134.5	9,791.1	29.9	25.4	-104.95	2,640.4	-43.5	683.2	628.2	54.97	12.428	
12,000.0	9,615.1	12,159.5	9,791.3	30.1	25.6	-104.95	2,665.4	-43.5	683.2	627.9	55.29	12.356	
12,025.0	9,615.2	12,184.5	9,791.5	30.2	25.8	-104.96	2,690.4	-43.5	683.2	627.6	55.61	12.284	
12,050.0	9,615.4	12,209.5	9,791.8	30.4	26.0	-104.96	2,715.4	-43.6	683.2	627.2	55.94	12.213	
12,075.0	9,615.6	12,234.5	9,792.0	30.6	26.2	-104.96	2,740.4	-43.6	683.2	626.9	56.26	12.143	
12,100.0	9,615.8	12,259.5	9,792.2	30.7	26.4	-104.96	2,765.4	-43.6	683.2	626.6	56.59	12.073	
12,125.0	9,616.0	12,284.5	9,792.4	30.9	26.6	-104.96	2,790.4	-43.7	683.2	626.3	56.92	12.004	
12,150.0	9,616.2	12,309.5	9,792.6	31.0	26.8	-104.96	2,815.4	-43.7	683.2	625.9	57.24	11.935	
12,175.0	9,616.4	12,334.5	9,792.8	31.2	26.9	-104.96	2,840.4	-43.7	683.2	625.6	57.57	11.866	
12,200.0	9,616.6	12,359.5	9,793.0	31.4	27.1	-104.96	2,865.4	-43.7	683.2	625.3	57.90	11.799	
12,225.0	9,616.8	12,384.5	9,793.2	31.5	27.3	-104.96	2,890.4	-43.8	683.2	625.0	58.24	11.732	
12,250.0	9,617.0	12,409.5	9,793.4	31.7	27.5	-104.96	2,915.4	-43.8	683.2	624.6	58.57	11.665	
12,275.0	9,617.2	12,434.5	9,793.6	31.9	27.7	-104.97	2,940.4	-43.8	683.2	624.3	58.90	11.599	
12,300.0	9,617.4	12,459.5	9,793.8	32.0	27.9	-104.97	2,965.4	-43.9	683.2	624.0	59.24	11.534	
12,325.0	9,617.6	12,484.5	9,794.0	32.2	28.1	-104.97	2,990.4	-43.9	683.2	623.6	59.57	11.469	
12,350.0	9,617.8	12,509.5	9,794.2	32.4	28.3	-104.97	3,015.4	-43.9	683.2	623.3	59.91	11.404	
12,375.0	9,618.0	12,534.5	9,794.4	32.5	28.5	-104.97	3,040.4	-44.0	683.2	623.0	60.25	11.340	
12,400.0	9,618.1	12,559.5	9,794.6	32.7	28.7	-104.97	3,065.4	-44.0	683.2	622.6	60.58	11.277	
12,425.0	9,618.3	12,584.5	9,794.8	32.9	28.9	-104.97	3,090.4	-44.0	683.2	622.3	60.93	11.214	
12,450.0	9,618.5	12,609.5	9,795.0	33.0	29.0	-104.97	3,115.4	-44.0	683.2	622.0	61.27	11.152	
12,475.0	9,618.7	12,634.5	9,795.2	33.2	29.2	-104.97	3,140.4	-44.1	683.2	621.6	61.61	11.090	
12,500.0	9,618.9	12,659.5	9,795.5	33.4	29.4	-104.97	3,165.4	-44.1	683.2	621.3	61.95	11.029	
12,525.0	9,619.1	12,684.5	9,795.7	33.5	29.6	-104.98	3,190.4	-44.1	683.2	620.9	62.29	10.968	
12,550.0	9,619.3	12,709.5	9,795.9	33.7	29.8	-104.98	3,215.4	-44.2	683.2	620.6	62.64	10.908	
12,575.0	9,619.5	12,734.5	9,796.1	33.9	30.0	-104.98	3,240.4	-44.2	683.2	620.3	62.98	10.849	
12,600.0	9,619.7	12,759.5	9,796.3	34.0	30.2	-104.98	3,265.4	-44.2	683.2	619.9	63.33	10.790	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Distance	Between	Between	No-Go	Separation	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Distance (usft)	Factor	
12,625.0	9,619.9	12,784.5	9,796.5	34.2	30.4	-104.98	3,290.4	-44.2	683.3	619.6	63.67	10.731	
12,650.0	9,620.1	12,809.5	9,796.7	34.4	30.6	-104.98	3,315.4	-44.3	683.3	619.2	64.02	10.673	
12,675.0	9,620.3	12,834.5	9,796.9	34.6	30.8	-104.98	3,340.4	-44.3	683.3	618.9	64.37	10.615	
12,700.0	9,620.5	12,859.5	9,797.1	34.7	31.0	-104.98	3,365.4	-44.3	683.3	618.5	64.71	10.558	
12,725.0	9,620.7	12,884.5	9,797.3	34.9	31.2	-104.98	3,390.4	-44.4	683.3	618.2	65.06	10.501	
12,750.0	9,620.9	12,909.5	9,797.5	35.1	31.4	-104.98	3,415.4	-44.4	683.3	617.9	65.41	10.445	
12,775.0	9,621.0	12,934.5	9,797.7	35.3	31.6	-104.98	3,440.4	-44.4	683.3	617.5	65.77	10.389	
12,800.0	9,621.2	12,959.5	9,797.9	35.4	31.8	-104.99	3,465.4	-44.4	683.3	617.2	66.12	10.334	
12,825.0	9,621.4	12,984.5	9,798.1	35.6	32.0	-104.99	3,490.4	-44.5	683.3	616.8	66.47	10.280	
12,850.0	9,621.6	13,009.5	9,798.3	35.8	32.2	-104.99	3,515.4	-44.5	683.3	616.5	66.82	10.225	
12,875.0	9,621.8	13,034.5	9,798.5	36.0	32.4	-104.99	3,540.4	-44.5	683.3	616.1	67.18	10.172	
12,900.0	9,622.0	13,059.5	9,798.7	36.1	32.6	-104.99	3,565.4	-44.6	683.3	615.8	67.53	10.118	
12,925.0	9,622.2	13,084.5	9,798.9	36.3	32.8	-104.99	3,590.4	-44.6	683.3	615.4	67.88	10.065	
12,950.0	9,622.4	13,109.5	9,799.1	36.5	33.0	-104.99	3,615.4	-44.6	683.3	615.0	68.24	10.013	
12,975.0	9,622.6	13,134.5	9,799.4	36.7	33.2	-104.99	3,640.4	-44.7	683.3	614.7	68.60	9.961	
13,000.0	9,622.8	13,159.5	9,799.6	36.8	33.4	-104.99	3,665.4	-44.7	683.3	614.3	68.95	9.910	
13,025.0	9,623.0	13,184.5	9,799.8	37.0	33.6	-104.99	3,690.4	-44.7	683.3	614.0	69.31	9.858	
13,050.0	9,623.2	13,209.5	9,800.0	37.2	33.8	-105.00	3,715.4	-44.7	683.3	613.6	69.67	9.808	
13,075.0	9,623.4	13,234.5	9,800.2	37.4	34.0	-105.00	3,740.4	-44.8	683.3	613.3	70.03	9.758	
13,100.0	9,623.6	13,259.5	9,800.4	37.6	34.2	-105.00	3,765.4	-44.8	683.3	612.9	70.39	9.708	
13,125.0	9,623.8	13,284.5	9,800.6	37.7	34.4	-105.00	3,790.4	-44.8	683.3	612.6	70.75	9.659	
13,150.0	9,623.9	13,309.5	9,800.8	37.9	34.6	-105.00	3,815.4	-44.9	683.3	612.2	71.11	9.610	
13,175.0	9,624.1	13,334.5	9,801.0	38.1	34.8	-105.00	3,840.4	-44.9	683.3	611.8	71.47	9.561	
13,200.0	9,624.3	13,359.5	9,801.2	38.3	35.0	-105.00	3,865.4	-44.9	683.3	611.5	71.83	9.513	
13,225.0	9,624.5	13,384.5	9,801.4	38.5	35.2	-105.00	3,890.4	-44.9	683.3	611.1	72.19	9.465	
13,250.0	9,624.7	13,409.5	9,801.6	38.7	35.4	-105.00	3,915.4	-45.0	683.3	610.8	72.55	9.418	
13,275.0	9,624.9	13,434.5	9,801.8	38.8	35.6	-105.00	3,940.4	-45.0	683.3	610.4	72.92	9.371	
13,300.0	9,625.1	13,459.5	9,802.0	39.0	35.8	-105.01	3,965.4	-45.0	683.3	610.1	73.28	9.325	
13,325.0	9,625.3	13,484.5	9,802.2	39.2	36.0	-105.01	3,990.4	-45.1	683.3	609.7	73.64	9.279	
13,350.0	9,625.5	13,509.5	9,802.4	39.4	36.2	-105.01	4,015.4	-45.1	683.3	609.3	74.01	9.233	
13,375.0	9,625.7	13,534.5	9,802.6	39.6	36.4	-105.01	4,040.4	-45.1	683.3	609.0	74.37	9.188	
13,400.0	9,625.9	13,559.5	9,802.8	39.8	36.6	-105.01	4,065.4	-45.1	683.3	608.6	74.74	9.143	
13,425.0	9,626.1	13,584.5	9,803.0	39.9	36.8	-105.01	4,090.4	-45.2	683.3	608.2	75.11	9.098	
13,450.0	9,626.3	13,609.5	9,803.3	40.1	37.0	-105.01	4,115.4	-45.2	683.3	607.9	75.47	9.054	
13,475.0	9,626.5	13,634.5	9,803.5	40.3	37.2	-105.01	4,140.4	-45.2	683.4	607.5	75.84	9.010	
13,500.0	9,626.7	13,659.5	9,803.7	40.5	37.4	-105.01	4,165.4	-45.3	683.4	607.1	76.21	8.967	
13,525.0	9,626.8	13,684.5	9,803.9	40.7	37.6	-105.01	4,190.4	-45.3	683.4	606.8	76.58	8.924	
13,550.0	9,627.0	13,709.5	9,804.1	40.9	37.8	-105.01	4,215.4	-45.3	683.4	606.4	76.94	8.881	
13,575.0	9,627.2	13,734.5	9,804.3	41.0	38.0	-105.02	4,240.4	-45.4	683.4	606.1	77.31	8.839	
13,600.0	9,627.4	13,759.5	9,804.5	41.2	38.2	-105.02	4,265.4	-45.4	683.4	605.7	77.68	8.797	
13,625.0	9,627.6	13,784.5	9,804.7	41.4	38.4	-105.02	4,290.4	-45.4	683.4	605.3	78.05	8.755	
13,650.0	9,627.8	13,809.5	9,804.9	41.6	38.6	-105.02	4,315.4	-45.4	683.4	605.0	78.42	8.714	
13,675.0	9,628.0	13,834.5	9,805.1	41.8	38.8	-105.02	4,340.4	-45.5	683.4	604.6	78.79	8.673	
13,700.0	9,628.2	13,859.5	9,805.3	42.0	39.0	-105.02	4,365.4	-45.5	683.4	604.2	79.16	8.632	
13,725.0	9,628.4	13,884.5	9,805.5	42.2	39.2	-105.02	4,390.4	-45.5	683.4	603.8	79.54	8.592	
13,750.0	9,628.6	13,909.5	9,805.7	42.4	39.4	-105.02	4,415.4	-45.6	683.4	603.5	79.91	8.552	
13,775.0	9,628.8	13,934.5	9,805.9	42.5	39.6	-105.02	4,440.4	-45.6	683.4	603.1	80.28	8.513	
13,800.0	9,629.0	13,959.5	9,806.1	42.7	39.8	-105.02	4,465.4	-45.6	683.4	602.7	80.65	8.473	
13,825.0	9,629.2	13,984.5	9,806.3	42.9	40.0	-105.03	4,490.4	-45.6	683.4	602.4	81.03	8.434	
13,850.0	9,629.4	14,009.5	9,806.5	43.1	40.2	-105.03	4,515.4	-45.7	683.4	602.0	81.40	8.396	
13,875.0	9,629.6	14,034.5	9,806.7	43.3	40.4	-105.03	4,540.4	-45.7	683.4	601.6	81.77	8.357	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Reference	Depth (usft)	Vertical Depth (usft)	Reference	Offset	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
Separation Factor	Warning												
13,900.0	9,629.8	14,059.5	9,806.9	43.5	40.6	-105.03	4,565.4	-45.7	683.4	601.3	82.15	8.319	
13,925.0	9,629.9	14,084.5	9,807.2	43.7	40.8	-105.03	4,590.3	-45.8	683.4	600.9	82.52	8.282	
13,950.0	9,630.1	14,109.5	9,807.4	43.9	41.0	-105.03	4,615.3	-45.8	683.4	600.5	82.90	8.244	
13,975.0	9,630.3	14,134.5	9,807.6	44.1	41.2	-105.03	4,640.3	-45.8	683.4	600.1	83.27	8.207	
14,000.0	9,630.5	14,159.5	9,807.8	44.2	41.4	-105.03	4,665.3	-45.8	683.4	599.8	83.65	8.170	
14,025.0	9,630.7	14,184.5	9,808.0	44.4	41.6	-105.03	4,690.3	-45.9	683.4	599.4	84.02	8.134	
14,050.0	9,630.9	14,209.5	9,808.2	44.6	41.8	-105.03	4,715.3	-45.9	683.4	599.0	84.40	8.098	
14,075.0	9,631.1	14,234.5	9,808.4	44.8	42.0	-105.04	4,740.3	-45.9	683.4	598.6	84.78	8.062	
14,100.0	9,631.3	14,259.5	9,808.6	45.0	42.2	-105.04	4,765.3	-46.0	683.4	598.3	85.15	8.026	
14,125.0	9,631.5	14,284.5	9,808.8	45.2	42.4	-105.04	4,790.3	-46.0	683.4	597.9	85.53	7.991	
14,150.0	9,631.7	14,309.5	9,809.0	45.4	42.7	-105.04	4,815.3	-46.0	683.4	597.5	85.91	7.955	
14,175.0	9,631.9	14,334.5	9,809.2	45.6	42.9	-105.04	4,840.3	-46.1	683.4	597.2	86.28	7.921	
14,200.0	9,632.1	14,359.5	9,809.4	45.8	43.1	-105.04	4,865.3	-46.1	683.4	596.8	86.66	7.886	
14,225.0	9,632.3	14,384.5	9,809.6	46.0	43.3	-105.04	4,890.3	-46.1	683.4	596.4	87.04	7.852	
14,250.0	9,632.5	14,409.5	9,809.8	46.2	43.5	-105.04	4,915.3	-46.1	683.4	596.0	87.42	7.818	
14,275.0	9,632.7	14,434.5	9,810.0	46.4	43.7	-105.04	4,940.3	-46.2	683.4	595.6	87.80	7.784	
14,300.0	9,632.8	14,459.5	9,810.2	46.5	43.9	-105.04	4,965.3	-46.2	683.5	595.3	88.18	7.751	
14,325.0	9,633.0	14,484.5	9,810.4	46.7	44.1	-105.04	4,990.3	-46.2	683.5	594.9	88.56	7.718	
14,350.0	9,633.2	14,509.5	9,810.6	46.9	44.3	-105.05	5,015.3	-46.3	683.5	594.5	88.94	7.685	
14,375.0	9,633.4	14,534.5	9,810.9	47.1	44.5	-105.05	5,040.3	-46.3	683.5	594.1	89.32	7.652	
14,400.0	9,633.6	14,559.5	9,811.1	47.3	44.7	-105.05	5,065.3	-46.3	683.5	593.8	89.70	7.620	
14,425.0	9,633.8	14,584.5	9,811.3	47.5	44.9	-105.05	5,090.3	-46.3	683.5	593.4	90.08	7.587	
14,450.0	9,634.0	14,609.5	9,811.5	47.7	45.1	-105.05	5,115.3	-46.4	683.5	593.0	90.46	7.555	
14,475.0	9,634.2	14,634.5	9,811.7	47.9	45.3	-105.05	5,140.3	-46.4	683.5	592.6	90.84	7.524	
14,500.0	9,634.4	14,659.5	9,811.9	48.1	45.5	-105.05	5,165.3	-46.4	683.5	592.3	91.22	7.492	
14,525.0	9,634.6	14,684.5	9,812.1	48.3	45.7	-105.05	5,190.3	-46.5	683.5	591.9	91.61	7.461	
14,550.0	9,634.8	14,709.5	9,812.3	48.5	45.9	-105.05	5,215.3	-46.5	683.5	591.5	91.99	7.430	
14,575.0	9,635.0	14,734.5	9,812.5	48.7	46.1	-105.05	5,240.3	-46.5	683.5	591.1	92.37	7.399	
14,600.0	9,635.2	14,759.5	9,812.7	48.9	46.4	-105.06	5,265.3	-46.5	683.5	590.7	92.75	7.369	
14,625.0	9,635.4	14,784.5	9,812.9	49.1	46.6	-105.06	5,290.3	-46.6	683.5	590.4	93.14	7.339	
14,650.0	9,635.6	14,809.5	9,813.1	49.3	46.8	-105.06	5,315.3	-46.6	683.5	590.0	93.52	7.309	
14,675.0	9,635.7	14,834.5	9,813.3	49.5	47.0	-105.06	5,340.3	-46.6	683.5	589.6	93.90	7.279	
14,700.0	9,635.9	14,859.5	9,813.5	49.6	47.2	-105.06	5,365.3	-46.7	683.5	589.2	94.29	7.249	
14,725.0	9,636.1	14,884.5	9,813.7	49.8	47.4	-105.06	5,390.3	-46.7	683.5	588.8	94.67	7.220	
14,750.0	9,636.3	14,909.5	9,813.9	50.0	47.6	-105.06	5,415.3	-46.7	683.5	588.5	95.05	7.191	
14,775.0	9,636.5	14,934.5	9,814.1	50.2	47.8	-105.06	5,440.3	-46.8	683.5	588.1	95.44	7.162	
14,800.0	9,636.7	14,959.5	9,814.3	50.4	48.0	-105.06	5,465.3	-46.8	683.5	587.7	95.82	7.133	
14,825.0	9,636.9	14,984.5	9,814.5	50.6	48.2	-105.06	5,490.3	-46.8	683.5	587.3	96.21	7.105	
14,850.0	9,637.1	15,009.5	9,814.8	50.8	48.4	-105.07	5,515.3	-46.8	683.5	586.9	96.59	7.076	
14,875.0	9,637.3	15,034.5	9,815.0	51.0	48.6	-105.07	5,540.3	-46.9	683.5	586.5	96.98	7.048	
14,900.0	9,637.5	15,059.5	9,815.2	51.2	48.8	-105.07	5,565.3	-46.9	683.5	586.2	97.36	7.020	
14,925.0	9,637.7	15,084.5	9,815.4	51.4	49.0	-105.07	5,590.3	-46.9	683.5	585.8	97.75	6.993	
14,950.0	9,637.9	15,109.5	9,815.6	51.6	49.2	-105.07	5,615.3	-47.0	683.5	585.4	98.14	6.965	
14,975.0	9,638.1	15,134.5	9,815.8	51.8	49.5	-105.07	5,640.3	-47.0	683.5	585.0	98.52	6.938	
15,000.0	9,638.3	15,159.5	9,816.0	52.0	49.7	-105.07	5,665.3	-47.0	683.5	584.6	98.91	6.911	
15,025.0	9,638.5	15,184.5	9,816.2	52.2	49.9	-105.07	5,690.3	-47.0	683.5	584.2	99.29	6.884	
15,050.0	9,638.6	15,209.5	9,816.4	52.4	50.1	-105.07	5,715.3	-47.1	683.5	583.9	99.68	6.857	
15,075.0	9,638.8	15,234.5	9,816.6	52.6	50.3	-105.07	5,740.3	-47.1	683.5	583.5	100.07	6.831	
15,100.0	9,639.0	15,259.5	9,816.8	52.8	50.5	-105.07	5,765.3	-47.1	683.5	583.1	100.46	6.805	
15,125.0	9,639.2	15,284.5	9,817.0	53.0	50.7	-105.08	5,790.3	-47.2	683.6	582.7	100.84	6.778	
15,150.0	9,639.4	15,309.5	9,817.2	53.2	50.9	-105.08	5,815.3	-47.2	683.6	582.3	101.23	6.752	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,175.0	9,639.6	15,334.5	9,817.4	53.4	51.1	-105.08	5,840.3	-47.2	683.6	581.9	101.62	6.727	
15,200.0	9,639.8	15,359.5	9,817.6	53.6	51.3	-105.08	5,865.3	-47.2	683.6	581.6	102.01	6.701	
15,225.0	9,640.0	15,384.5	9,817.8	53.8	51.5	-105.08	5,890.3	-47.3	683.6	581.2	102.39	6.676	
15,250.0	9,640.2	15,409.5	9,818.0	54.0	51.7	-105.08	5,915.3	-47.3	683.6	580.8	102.78	6.651	
15,275.0	9,640.4	15,434.5	9,818.2	54.2	51.9	-105.08	5,940.3	-47.3	683.6	580.4	103.17	6.626	
15,300.0	9,640.6	15,459.5	9,818.4	54.4	52.2	-105.08	5,965.3	-47.4	683.6	580.0	103.56	6.601	
15,325.0	9,640.8	15,484.5	9,818.7	54.6	52.4	-105.08	5,990.3	-47.4	683.6	579.6	103.95	6.576	
15,350.0	9,641.0	15,509.5	9,818.9	54.8	52.6	-105.08	6,015.3	-47.4	683.6	579.2	104.34	6.552	
15,375.0	9,641.2	15,534.5	9,819.1	55.0	52.8	-105.09	6,040.3	-47.5	683.6	578.9	104.73	6.527	
15,400.0	9,641.4	15,559.5	9,819.3	55.2	53.0	-105.09	6,065.3	-47.5	683.6	578.5	105.12	6.503	
15,425.0	9,641.6	15,584.5	9,819.5	55.4	53.2	-105.09	6,090.3	-47.5	683.6	578.1	105.51	6.479	
15,450.0	9,641.7	15,609.5	9,819.7	55.6	53.4	-105.09	6,115.3	-47.5	683.6	577.7	105.89	6.455	
15,475.0	9,641.9	15,634.5	9,819.9	55.8	53.6	-105.09	6,140.3	-47.6	683.6	577.3	106.28	6.432	
15,500.0	9,642.1	15,659.5	9,820.1	56.0	53.8	-105.09	6,165.3	-47.6	683.6	576.9	106.67	6.408	
15,525.0	9,642.3	15,684.5	9,820.3	56.2	54.0	-105.09	6,190.3	-47.6	683.6	576.5	107.06	6.385	
15,550.0	9,642.5	15,709.5	9,820.5	56.4	54.2	-105.09	6,215.3	-47.7	683.6	576.1	107.46	6.362	
15,575.0	9,642.7	15,734.5	9,820.7	56.6	54.4	-105.09	6,240.3	-47.7	683.6	575.8	107.85	6.339	
15,600.0	9,642.9	15,759.5	9,820.9	56.8	54.7	-105.09	6,265.3	-47.7	683.6	575.4	108.24	6.316	
15,625.0	9,643.1	15,784.5	9,821.1	57.0	54.9	-105.09	6,290.3	-47.7	683.6	575.0	108.63	6.293	
15,650.0	9,643.3	15,809.5	9,821.3	57.2	55.1	-105.10	6,315.3	-47.8	683.6	574.6	109.02	6.271	
15,675.0	9,643.5	15,834.5	9,821.5	57.4	55.3	-105.10	6,340.3	-47.8	683.6	574.2	109.41	6.248	
15,700.0	9,643.7	15,859.5	9,821.7	57.6	55.5	-105.10	6,365.3	-47.8	683.6	573.8	109.80	6.226	
15,725.0	9,643.9	15,884.5	9,821.9	57.8	55.7	-105.10	6,390.3	-47.9	683.6	573.4	110.19	6.204	
15,750.0	9,644.1	15,909.5	9,822.1	58.0	55.9	-105.10	6,415.3	-47.9	683.6	573.0	110.58	6.182	
15,775.0	9,644.3	15,934.5	9,822.4	58.2	56.1	-105.10	6,440.3	-47.9	683.6	572.7	110.98	6.160	
15,800.0	9,644.5	15,959.5	9,822.6	58.4	56.3	-105.10	6,465.3	-47.9	683.6	572.3	111.37	6.139	
15,825.0	9,644.6	15,984.5	9,822.8	58.6	56.5	-105.10	6,490.3	-48.0	683.6	571.9	111.76	6.117	
15,850.0	9,644.8	16,009.5	9,823.0	58.8	56.7	-105.10	6,515.3	-48.0	683.6	571.5	112.15	6.096	
15,875.0	9,645.0	16,034.5	9,823.2	59.0	56.9	-105.10	6,540.3	-48.0	683.6	571.1	112.54	6.074	
15,900.0	9,645.2	16,059.5	9,823.4	59.2	57.2	-105.11	6,565.3	-48.1	683.6	570.7	112.94	6.053	
15,925.0	9,645.4	16,084.5	9,823.6	59.4	57.4	-105.11	6,590.3	-48.1	683.6	570.3	113.33	6.032	
15,950.0	9,645.6	16,109.5	9,823.8	59.6	57.6	-105.11	6,615.3	-48.1	683.7	569.9	113.72	6.012	
15,975.0	9,645.8	16,134.5	9,824.0	59.8	57.8	-105.11	6,640.3	-48.2	683.7	569.5	114.11	5.991	
16,000.0	9,646.0	16,159.5	9,824.2	60.0	58.0	-105.11	6,665.3	-48.2	683.7	569.1	114.51	5.970	
16,025.0	9,646.2	16,184.5	9,824.4	60.2	58.2	-105.11	6,690.3	-48.2	683.7	568.8	114.90	5.950	
16,050.0	9,646.4	16,209.5	9,824.6	60.4	58.4	-105.11	6,715.3	-48.2	683.7	568.4	115.29	5.930	
16,075.0	9,646.6	16,234.5	9,824.8	60.6	58.6	-105.11	6,740.3	-48.3	683.7	568.0	115.69	5.910	
16,100.0	9,646.8	16,259.5	9,825.0	60.8	58.8	-105.11	6,765.3	-48.3	683.7	567.6	116.08	5.890	
16,125.0	9,647.0	16,284.5	9,825.2	61.0	59.0	-105.11	6,790.3	-48.3	683.7	567.2	116.47	5.870	
16,150.0	9,647.2	16,309.5	9,825.4	61.2	59.2	-105.12	6,815.3	-48.4	683.7	566.8	116.87	5.850	
16,175.0	9,647.4	16,334.5	9,825.6	61.4	59.5	-105.12	6,840.3	-48.4	683.7	566.4	117.26	5.830	
16,200.0	9,647.5	16,359.5	9,825.8	61.6	59.7	-105.12	6,865.3	-48.4	683.7	566.0	117.66	5.811	
16,225.0	9,647.7	16,384.5	9,826.0	61.8	59.9	-105.12	6,890.3	-48.4	683.7	565.6	118.05	5.791	
16,250.0	9,647.9	16,409.5	9,826.3	62.0	60.1	-105.12	6,915.3	-48.5	683.7	565.2	118.44	5.772	
16,275.0	9,648.1	16,434.5	9,826.5	62.2	60.3	-105.12	6,940.3	-48.5	683.7	564.9	118.84	5.753	
16,300.0	9,648.3	16,459.5	9,826.7	62.4	60.5	-105.12	6,965.3	-48.5	683.7	564.5	119.23	5.734	
16,325.0	9,648.5	16,484.5	9,826.9	62.6	60.7	-105.12	6,990.3	-48.6	683.7	564.1	119.63	5.715	
16,350.0	9,648.7	16,509.5	9,827.1	62.8	60.9	-105.12	7,015.3	-48.6	683.7	563.7	120.02	5.696	
16,375.0	9,648.9	16,534.5	9,827.3	63.0	61.1	-105.12	7,040.3	-48.6	683.7	563.3	120.42	5.678	
16,400.0	9,649.1	16,559.5	9,827.5	63.2	61.3	-105.12	7,065.3	-48.6	683.7	562.9	120.81	5.659	
16,425.0	9,649.3	16,584.5	9,827.7	63.4	61.6	-105.13	7,090.3	-48.7	683.7	562.5	121.21	5.641	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Vertical (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
Separation Factor	Warning												
16,450.0	9,649.5	16,609.5	9,827.9	63.6	61.8	-105.13	7,115.3	-48.7	683.7	562.1	121.60	5.623	
16,475.0	9,649.7	16,634.5	9,828.1	63.8	62.0	-105.13	7,140.3	-48.7	683.7	561.7	122.00	5.604	
16,500.0	9,649.9	16,659.5	9,828.3	64.0	62.2	-105.13	7,165.3	-48.8	683.7	561.3	122.39	5.586	
16,525.0	9,650.1	16,684.5	9,828.5	64.2	62.4	-105.13	7,190.3	-48.8	683.7	560.9	122.79	5.568	
16,550.0	9,650.3	16,709.5	9,828.7	64.4	62.6	-105.13	7,215.3	-48.8	683.7	560.5	123.18	5.550	
16,575.0	9,650.4	16,734.5	9,828.9	64.6	62.8	-105.13	7,240.3	-48.9	683.7	560.1	123.58	5.533	
16,600.0	9,650.6	16,759.5	9,829.1	64.8	63.0	-105.13	7,265.3	-48.9	683.7	559.8	123.98	5.515	
16,625.0	9,650.8	16,784.5	9,829.3	65.0	63.2	-105.13	7,290.3	-48.9	683.7	559.4	124.37	5.497	
16,650.0	9,651.0	16,809.5	9,829.5	65.3	63.4	-105.13	7,315.3	-48.9	683.7	559.0	124.77	5.480	
16,675.0	9,651.2	16,834.5	9,829.7	65.5	63.7	-105.14	7,340.3	-49.0	683.7	558.6	125.16	5.463	
16,700.0	9,651.4	16,859.5	9,829.9	65.7	63.9	-105.14	7,365.3	-49.0	683.7	558.2	125.56	5.446	
16,725.0	9,651.6	16,884.5	9,830.2	65.9	64.1	-105.14	7,390.3	-49.0	683.7	557.8	125.96	5.428	
16,750.0	9,651.8	16,909.5	9,830.4	66.1	64.3	-105.14	7,415.3	-49.1	683.7	557.4	126.35	5.411	
16,775.0	9,652.0	16,934.5	9,830.6	66.3	64.5	-105.14	7,440.3	-49.1	683.8	557.0	126.75	5.395	
16,800.0	9,652.2	16,959.5	9,830.8	66.5	64.7	-105.14	7,465.3	-49.1	683.8	556.6	127.15	5.378	
16,825.0	9,652.4	16,984.5	9,831.0	66.7	64.9	-105.14	7,490.2	-49.1	683.8	556.2	127.54	5.361	
16,850.0	9,652.6	17,009.5	9,831.2	66.9	65.1	-105.14	7,515.2	-49.2	683.8	555.8	127.94	5.344	
16,875.0	9,652.8	17,034.5	9,831.4	67.1	65.3	-105.14	7,540.2	-49.2	683.8	555.4	128.34	5.328	
16,900.0	9,653.0	17,059.5	9,831.6	67.3	65.5	-105.14	7,565.2	-49.2	683.8	555.0	128.73	5.312	
16,925.0	9,653.2	17,084.5	9,831.8	67.5	65.8	-105.15	7,590.2	-49.3	683.8	554.6	129.13	5.295	
16,950.0	9,653.4	17,109.5	9,832.0	67.7	66.0	-105.15	7,615.2	-49.3	683.8	554.2	129.53	5.279	
16,975.0	9,653.5	17,134.5	9,832.2	67.9	66.2	-105.15	7,640.2	-49.3	683.8	553.9	129.92	5.263	
17,000.0	9,653.7	17,159.5	9,832.4	68.1	66.4	-105.15	7,665.2	-49.3	683.8	553.5	130.32	5.247	
17,025.0	9,653.9	17,184.5	9,832.6	68.3	66.6	-105.15	7,690.2	-49.4	683.8	553.1	130.72	5.231	
17,050.0	9,654.1	17,209.5	9,832.8	68.5	66.8	-105.15	7,715.2	-49.4	683.8	552.7	131.12	5.215	
17,075.0	9,654.3	17,234.5	9,833.0	68.7	67.0	-105.15	7,740.2	-49.4	683.8	552.3	131.51	5.199	
17,100.0	9,654.5	17,259.5	9,833.2	68.9	67.2	-105.15	7,765.2	-49.5	683.8	551.9	131.91	5.184	
17,125.0	9,654.7	17,284.5	9,833.4	69.1	67.4	-105.15	7,790.2	-49.5	683.8	551.5	132.31	5.168	
17,150.0	9,654.9	17,309.5	9,833.6	69.3	67.6	-105.15	7,815.2	-49.5	683.8	551.1	132.71	5.153	
17,175.0	9,655.1	17,334.5	9,833.8	69.5	67.9	-105.15	7,840.2	-49.6	683.8	550.7	133.11	5.137	
17,200.0	9,655.3	17,359.5	9,834.1	69.7	68.1	-105.16	7,865.2	-49.6	683.8	550.3	133.50	5.122	
17,225.0	9,655.5	17,384.5	9,834.3	69.9	68.3	-105.16	7,890.2	-49.6	683.8	549.9	133.90	5.107	
17,250.0	9,655.7	17,409.5	9,834.5	70.2	68.5	-105.16	7,915.2	-49.6	683.8	549.5	134.30	5.092	
17,275.0	9,655.9	17,434.5	9,834.7	70.4	68.7	-105.16	7,940.2	-49.7	683.8	549.1	134.70	5.077	
17,300.0	9,656.1	17,459.5	9,834.9	70.6	68.9	-105.16	7,965.2	-49.7	683.8	548.7	135.10	5.062	
17,325.0	9,656.3	17,484.5	9,835.1	70.8	69.1	-105.16	7,990.2	-49.7	683.8	548.3	135.49	5.047	
17,350.0	9,656.4	17,509.5	9,835.3	71.0	69.3	-105.16	8,015.2	-49.8	683.8	547.9	135.89	5.032	
17,375.0	9,656.6	17,534.5	9,835.5	71.2	69.5	-105.16	8,040.2	-49.8	683.8	547.5	136.29	5.017	
17,400.0	9,656.8	17,559.5	9,835.7	71.4	69.8	-105.16	8,065.2	-49.8	683.8	547.1	136.69	5.003	
17,425.0	9,657.0	17,584.5	9,835.9	71.6	70.0	-105.16	8,090.2	-49.8	683.8	546.7	137.09	4.988	
17,450.0	9,657.2	17,609.5	9,836.1	71.8	70.2	-105.17	8,115.2	-49.9	683.8	546.3	137.49	4.974	
17,475.0	9,657.4	17,634.5	9,836.3	72.0	70.4	-105.17	8,140.2	-49.9	683.8	545.9	137.89	4.959	
17,500.0	9,657.6	17,659.5	9,836.5	72.2	70.6	-105.17	8,165.2	-49.9	683.8	545.6	138.29	4.945	
17,525.0	9,657.8	17,684.5	9,836.7	72.4	70.8	-105.17	8,190.2	-50.0	683.8	545.2	138.68	4.931	
17,550.0	9,658.0	17,709.5	9,836.9	72.6	71.0	-105.17	8,215.2	-50.0	683.8	544.8	139.08	4.917	
17,575.0	9,658.2	17,734.5	9,837.1	72.8	71.2	-105.17	8,240.2	-50.0	683.8	544.4	139.48	4.903	
17,600.0	9,658.4	17,759.5	9,837.3	73.0	71.4	-105.17	8,265.2	-50.0	683.9	544.0	139.88	4.889	
17,625.0	9,658.6	17,784.5	9,837.5	73.2	71.7	-105.17	8,290.2	-50.1	683.9	543.6	140.28	4.875	
17,650.0	9,658.8	17,809.5	9,837.8	73.4	71.9	-105.17	8,315.2	-50.1	683.9	543.2	140.68	4.861	
17,675.0	9,659.0	17,834.5	9,838.0	73.6	72.1	-105.17	8,340.2	-50.1	683.9	542.8	141.08	4.847	
17,700.0	9,659.2	17,859.5	9,838.2	73.9	72.3	-105.18	8,365.2	-50.2	683.9	542.4	141.48	4.834	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
17,725.0	9,659.3	17,884.5	9,838.4	74.1	72.5	-105.18	8,390.2	-50.2	683.9	542.0	141.88	4.820	
17,750.0	9,659.5	17,909.5	9,838.6	74.3	72.7	-105.18	8,415.2	-50.2	683.9	541.6	142.28	4.807	
17,775.0	9,659.7	17,934.5	9,838.8	74.5	72.9	-105.18	8,440.2	-50.3	683.9	541.2	142.68	4.793	
17,800.0	9,659.9	17,959.5	9,839.0	74.7	73.1	-105.18	8,465.2	-50.3	683.9	540.8	143.08	4.780	
17,825.0	9,660.1	17,984.5	9,839.2	74.9	73.3	-105.18	8,490.2	-50.3	683.9	540.4	143.48	4.766	
17,850.0	9,660.3	18,009.5	9,839.4	75.1	73.6	-105.18	8,515.2	-50.3	683.9	540.0	143.88	4.753	
17,875.0	9,660.5	18,034.5	9,839.6	75.3	73.8	-105.18	8,540.2	-50.4	683.9	539.6	144.28	4.740	
17,900.0	9,660.7	18,059.5	9,839.8	75.5	74.0	-105.18	8,565.2	-50.4	683.9	539.2	144.68	4.727	
17,925.0	9,660.9	18,084.5	9,840.0	75.7	74.2	-105.18	8,590.2	-50.4	683.9	538.8	145.08	4.714	
17,950.0	9,661.1	18,109.5	9,840.2	75.9	74.4	-105.18	8,615.2	-50.5	683.9	538.4	145.48	4.701	
17,975.0	9,661.3	18,134.5	9,840.4	76.1	74.6	-105.19	8,640.2	-50.5	683.9	538.0	145.88	4.688	
18,000.0	9,661.5	18,159.5	9,840.6	76.3	74.8	-105.19	8,665.2	-50.5	683.9	537.6	146.28	4.675	
18,025.0	9,661.7	18,184.5	9,840.8	76.5	75.0	-105.19	8,690.2	-50.5	683.9	537.2	146.68	4.663	
18,050.0	9,661.9	18,209.5	9,841.0	76.7	75.2	-105.19	8,715.2	-50.6	683.9	536.8	147.08	4.650	
18,075.0	9,662.1	18,234.5	9,841.2	76.9	75.5	-105.19	8,740.2	-50.6	683.9	536.4	147.48	4.637	
18,100.0	9,662.2	18,259.5	9,841.4	77.2	75.7	-105.19	8,765.2	-50.6	683.9	536.0	147.88	4.625	
18,125.0	9,662.4	18,284.5	9,841.7	77.4	75.9	-105.19	8,790.2	-50.7	683.9	535.6	148.28	4.612	
18,150.0	9,662.6	18,309.5	9,841.9	77.6	76.1	-105.19	8,815.2	-50.7	683.9	535.2	148.68	4.600	
18,175.0	9,662.8	18,334.5	9,842.1	77.8	76.3	-105.19	8,840.2	-50.7	683.9	534.8	149.08	4.588	
18,200.0	9,663.0	18,359.5	9,842.3	78.0	76.5	-105.19	8,865.2	-50.7	683.9	534.4	149.48	4.575	
18,225.0	9,663.2	18,384.5	9,842.5	78.2	76.7	-105.20	8,890.2	-50.8	683.9	534.0	149.88	4.563	
18,250.0	9,663.4	18,409.5	9,842.7	78.4	76.9	-105.20	8,915.2	-50.8	683.9	533.6	150.29	4.551	
18,275.0	9,663.6	18,434.5	9,842.9	78.6	77.1	-105.20	8,940.2	-50.8	683.9	533.2	150.69	4.539	
18,300.0	9,663.8	18,459.5	9,843.1	78.8	77.4	-105.20	8,965.2	-50.9	683.9	532.8	151.09	4.527	
18,325.0	9,664.0	18,484.5	9,843.3	79.0	77.6	-105.20	8,990.2	-50.9	683.9	532.4	151.49	4.515	
18,350.0	9,664.2	18,509.5	9,843.5	79.2	77.8	-105.20	9,015.2	-50.9	683.9	532.1	151.89	4.503	
18,375.0	9,664.4	18,534.5	9,843.7	79.4	78.0	-105.20	9,040.2	-51.0	683.9	531.7	152.29	4.491	
18,400.0	9,664.6	18,559.5	9,843.9	79.6	78.2	-105.20	9,065.2	-51.0	683.9	531.3	152.69	4.479	
18,425.0	9,664.8	18,584.5	9,844.1	79.8	78.4	-105.20	9,090.2	-51.0	684.0	530.9	153.09	4.467	
18,450.0	9,665.0	18,609.5	9,844.3	80.0	78.6	-105.20	9,115.2	-51.0	684.0	530.5	153.49	4.456	
18,475.0	9,665.1	18,634.5	9,844.5	80.3	78.8	-105.21	9,140.2	-51.1	684.0	530.1	153.90	4.444	
18,500.0	9,665.3	18,659.5	9,844.7	80.5	79.0	-105.21	9,165.2	-51.1	684.0	529.7	154.30	4.433	
18,525.0	9,665.5	18,684.5	9,844.9	80.7	79.3	-105.21	9,190.2	-51.1	684.0	529.3	154.70	4.421	
18,550.0	9,665.7	18,709.5	9,845.1	80.9	79.5	-105.21	9,215.2	-51.2	684.0	528.9	155.10	4.410	
18,575.0	9,665.9	18,734.5	9,845.3	81.1	79.7	-105.21	9,240.2	-51.2	684.0	528.5	155.50	4.398	
18,600.0	9,666.1	18,759.5	9,845.6	81.3	79.9	-105.21	9,265.2	-51.2	684.0	528.1	155.90	4.387	
18,625.0	9,666.3	18,784.5	9,845.8	81.5	80.1	-105.21	9,290.2	-51.2	684.0	527.7	156.31	4.376	
18,650.0	9,666.5	18,809.5	9,846.0	81.7	80.3	-105.21	9,315.2	-51.3	684.0	527.3	156.71	4.365	
18,675.0	9,666.7	18,834.5	9,846.2	81.9	80.5	-105.21	9,340.2	-51.3	684.0	526.9	157.11	4.354	
18,700.0	9,666.9	18,859.5	9,846.4	82.1	80.7	-105.21	9,365.2	-51.3	684.0	526.5	157.51	4.342	
18,725.0	9,667.1	18,884.5	9,846.6	82.3	81.0	-105.21	9,390.2	-51.4	684.0	526.1	157.91	4.331	
18,750.0	9,667.3	18,909.5	9,846.8	82.5	81.2	-105.22	9,415.2	-51.4	684.0	525.7	158.31	4.320	
18,775.0	9,667.5	18,934.5	9,847.0	82.7	81.4	-105.22	9,440.2	-51.4	684.0	525.3	158.72	4.310	
18,800.0	9,667.7	18,959.5	9,847.2	83.0	81.6	-105.22	9,465.2	-51.4	684.0	524.9	159.12	4.299	
18,825.0	9,667.9	18,984.5	9,847.4	83.2	81.8	-105.22	9,490.2	-51.5	684.0	524.5	159.52	4.288	
18,850.0	9,668.1	19,009.5	9,847.6	83.4	82.0	-105.22	9,515.2	-51.5	684.0	524.1	159.92	4.277	
18,875.0	9,668.2	19,034.5	9,847.8	83.6	82.2	-105.22	9,540.2	-51.5	684.0	523.7	160.33	4.266	
18,900.0	9,668.4	19,059.5	9,848.0	83.8	82.4	-105.22	9,565.2	-51.6	684.0	523.3	160.73	4.256	
18,925.0	9,668.6	19,084.5	9,848.2	84.0	82.6	-105.22	9,590.2	-51.6	684.0	522.9	161.13	4.245	
18,950.0	9,668.8	19,109.5	9,848.4	84.2	82.9	-105.22	9,615.2	-51.6	684.0	522.5	161.53	4.235	
18,975.0	9,669.0	19,134.5	9,848.6	84.4	83.1	-105.22	9,640.2	-51.7	684.0	522.1	161.93	4.224	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
19,000.0	9,669.2	19,159.5	9,848.8	84.6	83.3	-105.23	9,665.2	-51.7	684.0	521.7	162.34	4.214	
19,025.0	9,669.4	19,184.5	9,849.0	84.8	83.5	-105.23	9,690.2	-51.7	684.0	521.3	162.74	4.203	
19,050.0	9,669.6	19,209.5	9,849.3	85.0	83.7	-105.23	9,715.2	-51.7	684.0	520.9	163.14	4.193	
19,075.0	9,669.8	19,234.5	9,849.5	85.2	83.9	-105.23	9,740.2	-51.8	684.0	520.5	163.54	4.183	
19,100.0	9,670.0	19,259.5	9,849.7	85.4	84.1	-105.23	9,765.2	-51.8	684.0	520.1	163.95	4.172	
19,125.0	9,670.2	19,284.5	9,849.9	85.7	84.3	-105.23	9,790.2	-51.8	684.0	519.7	164.35	4.162	
19,150.0	9,670.4	19,309.5	9,850.1	85.9	84.6	-105.23	9,815.2	-51.9	684.0	519.3	164.75	4.152	
19,175.0	9,670.6	19,334.5	9,850.3	86.1	84.8	-105.23	9,840.2	-51.9	684.0	518.9	165.15	4.142	
19,200.0	9,670.8	19,359.5	9,850.5	86.3	85.0	-105.23	9,865.2	-51.9	684.0	518.5	165.56	4.132	
19,225.0	9,671.0	19,384.5	9,850.7	86.5	85.2	-105.23	9,890.2	-51.9	684.0	518.1	165.96	4.122	
19,250.0	9,671.1	19,409.5	9,850.9	86.7	85.4	-105.23	9,915.2	-52.0	684.1	517.7	166.36	4.112	
19,275.0	9,671.3	19,434.5	9,851.1	86.9	85.6	-105.24	9,940.2	-52.0	684.1	517.3	166.77	4.102	
19,300.0	9,671.5	19,459.5	9,851.3	87.1	85.8	-105.24	9,965.2	-52.0	684.1	516.9	167.17	4.092	
19,325.0	9,671.7	19,484.5	9,851.5	87.3	86.0	-105.24	9,990.2	-52.1	684.1	516.5	167.57	4.082	
19,350.0	9,671.9	19,509.5	9,851.7	87.5	86.2	-105.24	10,015.2	-52.1	684.1	516.1	167.98	4.072	
19,375.0	9,672.1	19,534.5	9,851.9	87.7	86.5	-105.24	10,040.2	-52.1	684.1	515.7	168.38	4.063	
19,400.0	9,672.3	19,559.5	9,852.1	87.9	86.7	-105.24	10,065.2	-52.1	684.1	515.3	168.78	4.053	
19,425.0	9,672.5	19,584.5	9,852.3	88.2	86.9	-105.24	10,090.2	-52.2	684.1	514.9	169.18	4.043	
19,450.0	9,672.7	19,609.5	9,852.5	88.4	87.1	-105.24	10,115.2	-52.2	684.1	514.5	169.59	4.034	
19,475.0	9,672.9	19,634.5	9,852.7	88.6	87.3	-105.24	10,140.2	-52.2	684.1	514.1	169.99	4.024	
19,500.0	9,673.1	19,659.5	9,852.9	88.8	87.5	-105.24	10,165.2	-52.3	684.1	513.7	170.39	4.015	
19,525.0	9,673.3	19,684.5	9,853.2	89.0	87.7	-105.25	10,190.2	-52.3	684.1	513.3	170.80	4.005	
19,550.0	9,673.5	19,709.5	9,853.4	89.2	87.9	-105.25	10,215.2	-52.3	684.1	512.9	171.20	3.996	
19,575.0	9,673.7	19,734.5	9,853.6	89.4	88.2	-105.25	10,240.2	-52.4	684.1	512.5	171.60	3.986	
19,600.0	9,673.9	19,759.5	9,853.8	89.6	88.4	-105.25	10,265.2	-52.4	684.1	512.1	172.01	3.977	
19,625.0	9,674.0	19,784.5	9,854.0	89.8	88.6	-105.25	10,290.2	-52.4	684.1	511.7	172.41	3.968	
19,650.0	9,674.2	19,809.5	9,854.2	90.0	88.8	-105.25	10,315.2	-52.4	684.1	511.3	172.81	3.959	
19,675.0	9,674.4	19,834.5	9,854.4	90.2	89.0	-105.25	10,340.2	-52.5	684.1	510.9	173.22	3.949	
19,700.0	9,674.6	19,859.5	9,854.6	90.4	89.2	-105.25	10,365.2	-52.5	684.1	510.5	173.62	3.940	
19,725.0	9,674.8	19,884.5	9,854.8	90.7	89.4	-105.25	10,390.1	-52.5	684.1	510.1	174.02	3.931	
19,750.0	9,675.0	19,909.5	9,855.0	90.9	89.6	-105.25	10,415.1	-52.6	684.1	509.7	174.43	3.922	
19,775.0	9,675.2	19,934.5	9,855.2	91.1	89.9	-105.26	10,440.1	-52.6	684.1	509.3	174.83	3.913	
19,800.0	9,675.4	19,959.5	9,855.4	91.3	90.1	-105.26	10,465.1	-52.6	684.1	508.9	175.24	3.904	
19,825.0	9,675.6	19,984.5	9,855.6	91.5	90.3	-105.26	10,490.1	-52.6	684.1	508.5	175.64	3.895	
19,850.0	9,675.8	20,009.5	9,855.8	91.7	90.5	-105.26	10,515.1	-52.7	684.1	508.1	176.04	3.886	
19,851.1	9,675.8	20,010.6	9,855.8	91.7	90.5	-105.26	10,516.3	-52.7	684.1	508.1	176.06	3.886	
19,875.0	9,676.0	20,031.2	9,856.0	91.9	90.7	-105.26	10,536.9	-52.7	684.1	507.7	176.40	3.878	
19,877.3	9,676.0	20,031.2	9,856.0	91.9	90.7	-105.26	10,536.9	-52.7	684.1	507.7	176.41	3.878	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference	Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	179.71	-40.0	0.2	40.0				
25.0	25.0	25.0	25.0	0.5	0.1	179.71	-40.0	0.2	40.0				
50.0	50.0	50.0	50.0	0.5	0.3	179.71	-40.0	0.2	40.0	38.7	1.28	31.178	
75.0	75.0	75.0	75.0	0.5	0.4	179.71	-40.0	0.2	40.0	38.6	1.38	29.031	
100.0	100.0	100.0	100.0	0.5	0.5	179.71	-40.0	0.2	40.0	38.5	1.50	26.740	
125.0	125.0	125.0	125.0	0.6	0.6	179.71	-40.0	0.2	40.0	38.3	1.75	22.891	
150.0	150.0	150.0	150.0	0.8	0.8	179.71	-40.0	0.2	40.0	38.0	2.00	20.011	
175.0	175.0	175.0	175.0	0.9	0.9	179.71	-40.0	0.2	40.0	37.8	2.25	17.774	
200.0	200.0	200.0	200.0	1.0	1.0	179.71	-40.0	0.2	40.0	37.5	2.50	15.987	
225.0	225.0	225.0	225.0	1.1	1.1	179.71	-40.0	0.2	40.0	37.3	2.67	14.985	
250.0	250.0	250.0	250.0	1.2	1.2	179.71	-40.0	0.2	40.0	37.2	2.84	14.101	
275.0	275.0	275.0	275.0	1.3	1.3	179.71	-40.0	0.2	40.0	37.0	3.00	13.316	
300.0	300.0	300.0	300.0	1.4	1.4	179.71	-40.0	0.2	40.0	36.8	3.17	12.613	
325.0	325.0	325.0	325.0	1.4	1.4	179.71	-40.0	0.2	40.0	36.7	3.31	12.091	
350.0	350.0	350.0	350.0	1.5	1.5	179.71	-40.0	0.2	40.0	36.6	3.45	11.610	
375.0	375.0	375.0	375.0	1.6	1.6	179.71	-40.0	0.2	40.0	36.4	3.58	11.165	
400.0	400.0	400.0	400.0	1.6	1.6	179.71	-40.0	0.2	40.0	36.3	3.72	10.754	
425.0	425.0	425.0	425.0	1.7	1.7	179.71	-40.0	0.2	40.0	36.2	3.84	10.417	
450.0	450.0	450.0	450.0	1.8	1.8	179.71	-40.0	0.2	40.0	36.0	3.96	10.101	
475.0	475.0	475.0	475.0	1.8	1.8	179.71	-40.0	0.2	40.0	35.9	4.08	9.803	
500.0	500.0	500.0	500.0	1.9	1.9	179.71	-40.0	0.2	40.0	35.8	4.20	9.522	
525.0	525.0	525.0	525.0	1.9	1.9	179.71	-40.0	0.2	40.0	35.7	4.31	9.280	
550.0	550.0	550.0	550.0	2.0	2.0	179.71	-40.0	0.2	40.0	35.6	4.42	9.051	
575.0	575.0	575.0	575.0	2.1	2.1	179.71	-40.0	0.2	40.0	35.5	4.53	8.832	
600.0	600.0	600.0	600.0	2.1	2.1	179.71	-40.0	0.2	40.0	35.4	4.64	8.624	
625.0	625.0	625.0	625.0	2.2	2.2	179.71	-40.0	0.2	40.0	35.3	4.74	8.439	
650.0	650.0	650.0	650.0	2.2	2.2	179.71	-40.0	0.2	40.0	35.2	4.84	8.262	
675.0	675.0	675.0	675.0	2.3	2.3	179.71	-40.0	0.2	40.0	35.1	4.94	8.092	
700.0	700.0	700.0	700.0	2.3	2.3	179.71	-40.0	0.2	40.0	35.0	5.04	7.929	
725.0	725.0	725.0	725.0	2.4	2.4	179.71	-40.0	0.2	40.0	34.9	5.14	7.782	
750.0	750.0	750.0	750.0	2.4	2.4	179.71	-40.0	0.2	40.0	34.8	5.24	7.639	
775.0	775.0	775.0	775.0	2.5	2.5	179.71	-40.0	0.2	40.0	34.7	5.33	7.502	
800.0	800.0	800.0	800.0	2.5	2.5	179.71	-40.0	0.2	40.0	34.6	5.43	7.370	
825.0	825.0	825.0	825.0	2.6	2.6	179.71	-40.0	0.2	40.0	34.5	5.52	7.248	
850.0	850.0	850.0	850.0	2.6	2.6	179.71	-40.0	0.2	40.0	34.4	5.61	7.131	
875.0	875.0	875.0	875.0	2.6	2.6	179.71	-40.0	0.2	40.0	34.3	5.70	7.017	
900.0	900.0	900.0	900.0	2.7	2.7	179.71	-40.0	0.2	40.0	34.2	5.79	6.906	
925.0	925.0	925.0	925.0	2.7	2.7	179.71	-40.0	0.2	40.0	34.1	5.88	6.804	
950.0	950.0	950.0	950.0	2.8	2.8	179.71	-40.0	0.2	40.0	34.0	5.97	6.704	
975.0	975.0	975.0	975.0	2.8	2.8	179.71	-40.0	0.2	40.0	33.9	6.05	6.607	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	179.71	-40.0	0.2	40.0	33.9	6.14	6.513	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	179.71	-40.0	0.2	40.0	33.8	6.23	6.425	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	179.71	-40.0	0.2	40.0	33.7	6.31	6.339	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	179.71	-40.0	0.2	40.0	33.6	6.39	6.255	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	179.71	-40.0	0.2	40.0	33.5	6.48	6.174	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	179.71	-40.0	0.2	40.0	33.4	6.56	6.097	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	179.71	-40.0	0.2	40.0	33.4	6.64	6.022	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	179.71	-40.0	0.2	40.0	33.3	6.72	5.949	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	179.71	-40.0	0.2	40.0	33.2	6.81	5.877	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	179.71	-40.0	0.2	40.0	33.1	6.89	5.809	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	179.71	-40.0	0.2	40.0	33.0	6.97	5.743	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	179.71	-40.0	0.2	40.0	33.0	7.04	5.678	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	179.71	-40.0	0.2	40.0	32.9	7.12	5.615	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	179.71	-40.0	0.2	40.0	32.8	7.20	5.554	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	179.71	-40.0	0.2	40.0	32.7	7.28	5.495	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	179.71	-40.0	0.2	40.0	32.6	7.36	5.437	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	179.71	-40.0	0.2	40.0	32.6	7.44	5.380	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	179.71	-40.0	0.2	40.0	32.5	7.51	5.326	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	179.71	-40.0	0.2	40.0	32.4	7.59	5.272	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	179.71	-40.0	0.2	40.0	32.3	7.66	5.220	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	179.71	-40.0	0.2	40.0	32.3	7.74	5.169	
1,525.0	1,525.0	1,525.0	1,525.0	3.7	3.7	179.71	-40.0	0.2	40.0	32.2	7.81	5.119	
1,550.0	1,550.0	1,550.0	1,550.0	3.8	3.8	179.71	-40.0	0.2	40.0	32.1	7.89	5.071	
1,575.0	1,575.0	1,575.0	1,575.0	3.8	3.8	179.71	-40.0	0.2	40.0	32.0	7.96	5.023	
1,600.0	1,600.0	1,600.0	1,600.0	3.8	3.8	179.71	-40.0	0.2	40.0	32.0	8.04	4.977	
1,625.0	1,625.0	1,625.0	1,625.0	3.9	3.9	179.71	-40.0	0.2	40.0	31.9	8.11	4.932	
1,650.0	1,650.0	1,650.0	1,650.0	3.9	3.9	179.71	-40.0	0.2	40.0	31.8	8.18	4.888	
1,675.0	1,675.0	1,675.0	1,675.0	3.9	3.9	179.71	-40.0	0.2	40.0	31.7	8.26	4.844	
1,700.0	1,700.0	1,700.0	1,700.0	4.0	4.0	179.71	-40.0	0.2	40.0	31.7	8.33	4.802	
1,725.0	1,725.0	1,725.0	1,725.0	4.0	4.0	179.71	-40.0	0.2	40.0	31.6	8.40	4.760	
1,750.0	1,750.0	1,750.0	1,750.0	4.1	4.1	179.71	-40.0	0.2	40.0	31.5	8.48	4.720	
1,775.0	1,775.0	1,775.0	1,775.0	4.1	4.1	179.71	-40.0	0.2	40.0	31.5	8.55	4.680	
1,800.0	1,800.0	1,800.0	1,800.0	4.1	4.1	179.71	-40.0	0.2	40.0	31.4	8.62	4.641	
1,825.0	1,825.0	1,825.0	1,825.0	4.2	4.2	179.71	-40.0	0.2	40.0	31.3	8.69	4.603	
1,850.0	1,850.0	1,850.0	1,850.0	4.2	4.2	179.71	-40.0	0.2	40.0	31.2	8.76	4.565	
1,875.0	1,875.0	1,875.0	1,875.0	4.2	4.2	179.71	-40.0	0.2	40.0	31.2	8.83	4.529	
1,900.0	1,900.0	1,900.0	1,900.0	4.3	4.3	179.71	-40.0	0.2	40.0	31.1	8.90	4.492	
1,925.0	1,925.0	1,925.0	1,925.0	4.3	4.3	179.71	-40.0	0.2	40.0	31.0	8.97	4.457	
1,950.0	1,950.0	1,950.0	1,950.0	4.3	4.3	179.71	-40.0	0.2	40.0	31.0	9.04	4.423	
1,975.0	1,975.0	1,975.0	1,975.0	4.4	4.4	179.71	-40.0	0.2	40.0	30.9	9.11	4.389	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	179.71	-40.0	0.2	40.0	30.8	9.18	4.355	
2,025.0	2,025.0	2,025.1	2,025.1	4.4	4.4	100.94	-40.0	0.1	40.0	30.8	9.24	4.328	
2,043.6	2,043.6	2,043.7	2,043.7	4.5	4.5	101.56	-39.9	-0.1	40.0	30.7	9.28	4.308 CC	
2,050.0	2,050.0	2,050.1	2,050.1	4.5	4.5	101.86	-39.9	-0.2	40.0	30.7	9.30	4.302	
2,075.0	2,075.0	2,075.2	2,075.2	4.5	4.5	103.40	-39.8	-0.8	40.0	30.7	9.35	4.278 ES	
2,100.0	2,100.0	2,100.2	2,100.2	4.5	4.5	105.53	-39.6	-1.5	40.1	30.7	9.41	4.263	
2,125.0	2,125.0	2,125.1	2,125.1	4.6	4.6	108.26	-39.4	-2.5	40.3	30.8	9.48	4.249 SF	
2,150.0	2,149.9	2,150.1	2,150.0	4.6	4.6	111.53	-39.2	-3.6	40.6	31.1	9.55	4.254	
2,175.0	2,174.9	2,174.9	2,174.8	4.7	4.7	115.30	-38.9	-5.0	41.2	31.6	9.61	4.286	
2,200.0	2,199.8	2,199.7	2,199.5	4.7	4.7	119.48	-38.5	-6.6	42.1	32.4	9.67	4.351	
2,225.0	2,224.8	2,224.3	2,224.1	4.7	4.7	123.96	-38.1	-8.4	43.3	33.6	9.72	4.455	
2,250.0	2,249.7	2,248.9	2,248.6	4.8	4.8	128.62	-37.7	-10.4	45.0	35.3	9.78	4.604	
2,275.0	2,274.6	2,273.4	2,273.0	4.8	4.8	133.33	-37.3	-12.5	47.2	37.4	9.85	4.799	
2,300.0	2,299.5	2,297.8	2,297.2	4.9	4.9	137.95	-36.7	-14.9	50.0	40.1	9.92	5.043	
2,325.0	2,324.3	2,322.0	2,321.3	4.9	4.9	142.38	-36.2	-17.5	53.4	43.4	10.00	5.334	
2,350.0	2,349.1	2,346.1	2,345.3	5.0	5.0	146.55	-35.6	-20.2	57.3	47.2	10.10	5.671	
2,375.0	2,373.9	2,370.1	2,369.0	5.1	5.1	150.41	-35.0	-23.1	61.8	51.6	10.21	6.051	
2,400.0	2,398.7	2,393.8	2,392.6	5.1	5.1	153.93	-34.3	-26.2	66.9	56.6	10.34	6.473	
2,425.0	2,423.4	2,417.5	2,416.0	5.2	5.2	157.12	-33.6	-29.5	72.6	62.1	10.47	6.930	
2,450.0	2,448.2	2,440.9	2,439.2	5.3	5.3	159.99	-32.9	-32.9	78.8	68.2	10.61	7.421	
2,475.0	2,472.8	2,464.2	2,462.2	5.4	5.3	162.57	-32.1	-36.5	85.5	74.7	10.76	7.944	
2,500.0	2,497.5	2,487.3	2,485.0	5.4	5.4	164.87	-31.3	-40.2	92.7	81.8	10.91	8.497	

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

ConocoPhillips
Anticollision Report

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Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,525.0	2,522.1	2,510.2	2,507.5	5.5	5.5	166.93	-30.4	-44.1	100.5	89.4	11.04	9.096	
2,550.0	2,546.6	2,532.9	2,529.8	5.6	5.5	168.77	-29.6	-48.1	108.6	97.5	11.17	9.729	
2,575.0	2,571.2	2,555.4	2,551.9	5.7	5.6	170.41	-28.7	-52.3	117.3	106.0	11.29	10.390	
2,600.0	2,595.6	2,577.8	2,573.9	5.7	5.7	171.92	-27.8	-56.6	126.3	114.9	11.39	11.083	
2,625.0	2,620.1	2,600.9	2,596.5	5.8	5.7	173.29	-26.8	-61.1	135.4	123.9	11.52	11.757	
2,650.0	2,644.6	2,624.0	2,619.1	5.9	5.8	174.48	-25.8	-65.6	144.6	132.9	11.67	12.394	
2,675.0	2,669.1	2,647.1	2,641.8	5.9	5.9	175.54	-24.8	-70.1	153.8	142.0	11.81	13.019	
2,700.0	2,693.6	2,670.2	2,664.4	6.0	5.9	176.47	-23.9	-74.6	163.1	151.1	11.96	13.633	
2,725.0	2,718.1	2,693.3	2,687.0	6.1	6.0	177.31	-22.9	-79.1	172.4	160.3	12.11	14.230	
2,750.0	2,742.6	2,716.4	2,709.7	6.2	6.1	178.06	-21.9	-83.6	181.7	169.4	12.27	14.814	
2,775.0	2,767.1	2,739.4	2,732.3	6.3	6.2	178.74	-21.0	-88.1	191.1	178.7	12.42	15.385	
2,800.0	2,791.6	2,762.5	2,754.9	6.4	6.2	179.35	-20.0	-92.6	200.4	187.9	12.57	15.944	
2,825.0	2,816.1	2,785.6	2,777.5	6.4	6.3	179.92	-19.0	-97.1	209.8	197.1	12.73	16.485	
2,850.0	2,840.6	2,808.7	2,800.2	6.5	6.4	-179.57	-18.0	-101.6	219.3	206.4	12.89	17.013	
2,875.0	2,865.1	2,831.8	2,822.8	6.6	6.5	-179.10	-17.1	-106.1	228.7	215.6	13.05	17.526	
2,900.0	2,889.6	2,854.9	2,845.4	6.7	6.5	-178.67	-16.1	-110.6	238.1	224.9	13.21	18.028	
2,925.0	2,914.1	2,878.0	2,868.1	6.8	6.6	-178.27	-15.1	-115.1	247.6	234.2	13.37	18.514	
2,950.0	2,938.6	2,901.1	2,890.7	6.9	6.7	-177.89	-14.2	-119.6	257.0	243.5	13.54	18.989	
2,975.0	2,963.1	2,924.2	2,913.3	7.0	6.8	-177.55	-13.2	-124.1	266.5	252.8	13.70	19.449	
3,000.0	2,987.6	2,947.3	2,936.0	7.1	6.9	-177.23	-12.2	-128.6	276.0	262.1	13.87	19.899	
3,025.0	3,012.1	2,970.4	2,958.6	7.2	7.0	-176.93	-11.2	-133.1	285.4	271.4	14.04	20.334	
3,050.0	3,036.6	2,993.5	2,981.2	7.2	7.0	-176.65	-10.3	-137.6	294.9	280.7	14.21	20.760	
3,075.0	3,061.1	3,016.6	3,003.8	7.3	7.1	-176.38	-9.3	-142.1	304.4	290.0	14.38	21.173	
3,100.0	3,085.6	3,039.6	3,026.5	7.4	7.2	-176.13	-8.3	-146.6	313.9	299.4	14.55	21.576	
3,125.0	3,110.1	3,062.7	3,049.1	7.5	7.3	-175.90	-7.4	-151.1	323.4	308.7	14.72	21.966	
3,150.0	3,134.6	3,085.8	3,071.7	7.6	7.4	-175.68	-6.4	-155.6	332.9	318.0	14.90	22.347	
3,175.0	3,159.1	3,108.9	3,094.4	7.7	7.5	-175.47	-5.4	-160.1	342.4	327.4	15.07	22.718	
3,200.0	3,183.6	3,132.0	3,117.0	7.8	7.6	-175.28	-4.5	-164.6	352.0	336.7	15.25	23.080	
3,225.0	3,208.1	3,155.1	3,139.6	7.9	7.6	-175.09	-3.5	-169.1	361.5	346.0	15.43	23.429	
3,250.0	3,232.6	3,178.2	3,162.2	8.0	7.7	-174.91	-2.5	-173.6	371.0	355.4	15.61	23.771	
3,275.0	3,257.1	3,201.3	3,184.9	8.1	7.8	-174.75	-1.5	-178.1	380.5	364.7	15.79	24.106	
3,300.0	3,281.6	3,224.4	3,207.5	8.2	7.9	-174.59	-0.6	-182.6	390.0	374.1	15.97	24.430	
3,325.0	3,306.1	3,247.5	3,230.1	8.3	8.0	-174.43	0.4	-187.1	399.6	383.4	16.15	24.744	
3,350.0	3,330.6	3,270.6	3,252.8	8.4	8.1	-174.29	1.4	-191.6	409.1	392.8	16.33	25.052	
3,375.0	3,355.1	3,293.7	3,275.4	8.5	8.2	-174.15	2.3	-196.1	418.6	402.1	16.51	25.353	
3,400.0	3,379.6	3,316.8	3,298.0	8.6	8.3	-174.02	3.3	-200.6	428.2	411.5	16.70	25.645	
3,425.0	3,404.1	3,339.8	3,320.6	8.7	8.4	-173.89	4.3	-205.1	437.7	420.8	16.88	25.929	
3,450.0	3,428.6	3,362.9	3,343.3	8.8	8.5	-173.77	5.3	-209.6	447.3	430.2	17.07	26.206	
3,475.0	3,453.1	3,386.0	3,365.9	8.9	8.6	-173.65	6.2	-214.1	456.8	439.5	17.25	26.477	
3,500.0	3,477.6	3,409.1	3,388.5	9.0	8.7	-173.54	7.2	-218.6	466.3	448.9	17.44	26.742	
3,525.0	3,502.1	3,432.2	3,411.2	9.1	8.7	-173.44	8.2	-223.1	475.9	458.3	17.63	26.998	
3,550.0	3,526.6	3,455.3	3,433.8	9.2	8.8	-173.33	9.1	-227.6	485.4	467.6	17.82	27.248	
3,575.0	3,551.1	3,478.4	3,456.4	9.3	8.9	-173.24	10.1	-232.1	495.0	477.0	18.00	27.493	
3,600.0	3,575.6	3,501.5	3,479.0	9.4	9.0	-173.14	11.1	-236.6	504.5	486.3	18.19	27.734	
3,625.0	3,600.1	3,524.6	3,501.7	9.5	9.1	-173.05	12.1	-241.1	514.1	495.7	18.38	27.965	
3,650.0	3,624.6	3,547.7	3,524.3	9.6	9.2	-172.96	13.0	-245.6	523.6	505.0	18.57	28.192	
3,675.0	3,649.1	3,570.8	3,546.9	9.7	9.3	-172.88	14.0	-250.1	533.2	514.4	18.76	28.415	
3,700.0	3,673.6	3,593.9	3,569.6	9.9	9.4	-172.79	15.0	-254.6	542.7	523.8	18.95	28.633	
3,725.0	3,698.1	3,617.0	3,592.2	10.0	9.5	-172.71	15.9	-259.1	552.3	533.1	19.15	28.844	
3,750.0	3,722.6	3,640.0	3,614.8	10.1	9.6	-172.64	16.9	-263.6	561.8	542.5	19.34	29.050	
3,775.0	3,747.1	3,663.1	3,637.4	10.2	9.7	-172.56	17.9	-268.1	571.4	551.9	19.53	29.252	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	
3,800.0	3,771.6	3,686.2	3,660.1	10.3	9.8	-172.49	18.9	-272.6	580.9	561.2	19.73	29.451	
3,825.0	3,796.1	3,709.3	3,682.7	10.4	9.9	-172.42	19.8	-277.1	590.5	570.6	19.92	29.643	
3,850.0	3,820.5	3,732.4	3,705.3	10.5	10.0	-172.36	20.8	-281.6	600.1	579.9	20.11	29.831	
3,875.0	3,845.0	3,755.5	3,728.0	10.6	10.1	-172.29	21.8	-286.1	609.6	589.3	20.31	30.016	
3,900.0	3,869.5	3,778.6	3,750.6	10.7	10.2	-172.23	22.7	-290.6	619.2	598.7	20.50	30.197	
3,925.0	3,894.0	3,801.7	3,773.2	10.8	10.3	-172.17	23.7	-295.1	628.7	608.0	20.70	30.373	
3,950.0	3,918.5	3,824.8	3,795.8	10.9	10.4	-172.11	24.7	-299.6	638.3	617.4	20.90	30.545	
3,975.0	3,943.0	3,847.9	3,818.5	11.0	10.5	-172.05	25.6	-304.1	647.8	626.8	21.09	30.714	
4,000.0	3,967.5	3,871.0	3,841.1	11.1	10.6	-172.00	26.6	-308.6	657.4	636.1	21.29	30.879	
4,025.0	3,992.0	3,894.1	3,863.7	11.2	10.7	-171.94	27.6	-313.1	667.0	645.5	21.49	31.041	
4,050.0	4,016.5	3,917.2	3,886.4	11.4	10.8	-171.89	28.6	-317.6	676.5	654.8	21.68	31.199	
4,075.0	4,041.0	3,940.2	3,909.0	11.5	10.9	-171.84	29.5	-322.1	686.1	664.2	21.88	31.353	
4,100.0	4,065.5	3,963.3	3,931.6	11.6	11.0	-171.79	30.5	-326.6	695.7	673.6	22.08	31.505	
4,125.0	4,090.0	3,986.4	3,954.2	11.7	11.1	-171.74	31.5	-331.1	705.2	682.9	22.28	31.653	
4,150.0	4,114.5	4,009.5	3,976.9	11.8	11.2	-171.69	32.4	-335.6	714.8	692.3	22.48	31.799	
4,175.0	4,139.0	4,032.6	3,999.5	11.9	11.3	-171.65	33.4	-340.1	724.3	701.7	22.68	31.941	
4,200.0	4,163.5	4,055.7	4,022.1	12.0	11.4	-171.60	34.4	-344.6	733.9	711.0	22.88	32.081	
4,225.0	4,188.0	4,078.8	4,044.8	12.1	11.5	-171.56	35.4	-349.1	743.5	720.4	23.08	32.217	
4,250.0	4,212.5	4,101.9	4,067.4	12.2	11.6	-171.52	36.3	-353.6	753.0	729.8	23.28	32.351	
4,275.0	4,237.0	4,125.0	4,090.0	12.3	11.7	-171.48	37.3	-358.1	762.6	739.1	23.48	32.483	
4,300.0	4,261.5	4,148.1	4,112.6	12.4	11.8	-171.43	38.3	-362.6	772.2	748.5	23.68	32.611	
4,325.0	4,286.0	4,171.2	4,135.3	12.6	11.9	-171.40	39.2	-367.1	781.7	757.9	23.88	32.737	
4,350.0	4,310.5	4,194.3	4,157.9	12.7	12.0	-171.36	40.2	-371.6	791.3	767.2	24.08	32.861	
4,375.0	4,335.0	4,217.4	4,180.5	12.8	12.1	-171.32	41.2	-376.1	800.9	776.6	24.28	32.983	
4,400.0	4,359.5	4,240.4	4,203.2	12.9	12.2	-171.28	42.2	-380.6	810.4	786.0	24.48	33.102	
4,425.0	4,384.0	4,263.5	4,225.8	13.0	12.3	-171.25	43.1	-385.1	820.0	795.3	24.69	33.218	
4,450.0	4,408.5	4,286.6	4,248.4	13.1	12.4	-171.21	44.1	-389.6	829.6	804.7	24.89	33.333	
4,475.0	4,433.0	4,309.7	4,271.0	13.2	12.5	-171.18	45.1	-394.1	839.1	814.0	25.09	33.445	
4,500.0	4,457.5	4,332.8	4,293.7	13.3	12.6	-171.15	46.0	-398.6	848.7	823.4	25.29	33.556	
4,525.0	4,482.0	4,355.9	4,316.3	13.4	12.7	-171.11	47.0	-403.1	858.3	832.8	25.50	33.664	
4,550.0	4,506.5	4,379.0	4,338.9	13.6	12.8	-171.08	48.0	-407.6	867.8	842.1	25.70	33.770	
4,575.0	4,531.0	4,402.1	4,361.6	13.7	12.9	-171.05	48.9	-412.1	877.4	851.5	25.90	33.875	
4,600.0	4,555.5	4,425.2	4,384.2	13.8	13.0	-171.02	49.9	-416.6	887.0	860.9	26.10	33.977	
4,625.0	4,580.0	4,448.3	4,406.8	13.9	13.1	-170.99	50.9	-421.1	896.5	870.2	26.31	34.078	
4,650.0	4,604.5	4,471.4	4,429.4	14.0	13.2	-170.96	51.9	-425.6	906.1	879.6	26.51	34.177	
4,675.0	4,629.0	4,494.5	4,452.1	14.1	13.3	-170.93	52.8	-430.1	915.7	889.0	26.72	34.274	
4,700.0	4,653.5	4,517.5	4,474.7	14.2	13.4	-170.90	53.8	-434.6	925.3	898.3	26.92	34.370	
4,725.0	4,678.0	4,540.6	4,497.3	14.3	13.5	-170.88	54.8	-439.1	934.8	907.7	27.13	34.463	
4,750.0	4,702.5	4,563.7	4,520.0	14.5	13.6	-170.85	55.7	-443.6	944.4	917.1	27.33	34.555	
4,775.0	4,727.0	4,586.8	4,542.6	14.6	13.7	-170.82	56.7	-448.1	954.0	926.4	27.53	34.646	
4,800.0	4,751.5	4,609.9	4,565.2	14.7	13.8	-170.80	57.7	-452.6	963.5	935.8	27.74	34.735	
4,825.0	4,776.0	4,633.0	4,587.8	14.8	13.9	-170.77	58.7	-457.1	973.1	945.2	27.94	34.827	
4,850.0	4,800.5	4,656.1	4,610.5	14.9	14.0	-170.75	59.6	-461.6	982.7	954.5	28.14	34.917	
4,874.1	4,824.1	4,678.3	4,632.3	15.0	14.1	-170.72	60.6	-465.9	991.9	963.6	28.34	35.003	
4,875.0	4,825.0	4,679.2	4,633.1	15.0	14.1	-170.72	60.6	-466.1	992.2	963.9	28.34	35.007	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference	Offset	Semi Major Axis	Highside	Rule Assigned:									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	179.62	-59.9	0.4	59.9				
25.0	25.0	25.0	25.0	0.5	0.1	179.62	-59.9	0.4	59.9				
50.0	50.0	50.0	50.0	0.5	0.3	179.62	-59.9	0.4	59.9	58.6	1.28	46.689	
75.0	75.0	75.0	75.0	0.5	0.4	179.62	-59.9	0.4	59.9	58.5	1.38	43.474	
100.0	100.0	100.0	100.0	0.5	0.5	179.62	-59.9	0.4	59.9	58.4	1.50	40.043	
125.0	125.0	125.0	125.0	0.6	0.6	179.62	-59.9	0.4	59.9	58.2	1.75	34.279	
150.0	150.0	150.0	150.0	0.8	0.8	179.62	-59.9	0.4	59.9	57.9	2.00	29.966	
175.0	175.0	175.0	175.0	0.9	0.9	179.62	-59.9	0.4	59.9	57.7	2.25	26.617	
200.0	200.0	200.0	200.0	1.0	1.0	179.62	-59.9	0.4	59.9	57.4	2.50	23.941	
225.0	225.0	225.0	225.0	1.1	1.1	179.62	-59.9	0.4	59.9	57.2	2.67	22.441	
250.0	250.0	250.0	250.0	1.2	1.2	179.62	-59.9	0.4	59.9	57.1	2.84	21.117	
275.0	275.0	275.0	275.0	1.3	1.3	179.62	-59.9	0.4	59.9	56.9	3.00	19.941	
300.0	300.0	300.0	300.0	1.4	1.4	179.62	-59.9	0.4	59.9	56.7	3.17	18.889	
325.0	325.0	325.0	325.0	1.4	1.4	179.62	-59.9	0.4	59.9	56.6	3.31	18.106	
350.0	350.0	350.0	350.0	1.5	1.5	179.62	-59.9	0.4	59.9	56.5	3.45	17.386	
375.0	375.0	375.0	375.0	1.6	1.6	179.62	-59.9	0.4	59.9	56.3	3.58	16.720	
400.0	400.0	400.0	400.0	1.6	1.6	179.62	-59.9	0.4	59.9	56.2	3.72	16.104	
425.0	425.0	425.0	425.0	1.7	1.7	179.62	-59.9	0.4	59.9	56.1	3.84	15.600	
450.0	450.0	450.0	450.0	1.8	1.8	179.62	-59.9	0.4	59.9	55.9	3.96	15.126	
475.0	475.0	475.0	475.0	1.8	1.8	179.62	-59.9	0.4	59.9	55.8	4.08	14.680	
500.0	500.0	500.0	500.0	1.9	1.9	179.62	-59.9	0.4	59.9	55.7	4.20	14.259	
525.0	525.0	525.0	525.0	1.9	1.9	179.62	-59.9	0.4	59.9	55.6	4.31	13.898	
550.0	550.0	550.0	550.0	2.0	2.0	179.62	-59.9	0.4	59.9	55.5	4.42	13.554	
575.0	575.0	575.0	575.0	2.1	2.1	179.62	-59.9	0.4	59.9	55.4	4.53	13.226	
600.0	600.0	600.0	600.0	2.1	2.1	179.62	-59.9	0.4	59.9	55.3	4.64	12.915	
625.0	625.0	625.0	625.0	2.2	2.2	179.62	-59.9	0.4	59.9	55.2	4.74	12.638	
650.0	650.0	650.0	650.0	2.2	2.2	179.62	-59.9	0.4	59.9	55.1	4.84	12.373	
675.0	675.0	675.0	675.0	2.3	2.3	179.62	-59.9	0.4	59.9	55.0	4.94	12.118	
700.0	700.0	700.0	700.0	2.3	2.3	179.62	-59.9	0.4	59.9	54.9	5.04	11.874	
725.0	725.0	725.0	725.0	2.4	2.4	179.62	-59.9	0.4	59.9	54.8	5.14	11.653	
750.0	750.0	750.0	750.0	2.4	2.4	179.62	-59.9	0.4	59.9	54.7	5.24	11.440	
775.0	775.0	775.0	775.0	2.5	2.5	179.62	-59.9	0.4	59.9	54.6	5.33	11.235	
800.0	800.0	800.0	800.0	2.5	2.5	179.62	-59.9	0.4	59.9	54.5	5.43	11.037	
825.0	825.0	825.0	825.0	2.6	2.6	179.62	-59.9	0.4	59.9	54.4	5.52	10.855	
850.0	850.0	850.0	850.0	2.6	2.6	179.62	-59.9	0.4	59.9	54.3	5.61	10.678	
875.0	875.0	875.0	875.0	2.6	2.6	179.62	-59.9	0.4	59.9	54.2	5.70	10.508	
900.0	900.0	900.0	900.0	2.7	2.7	179.62	-59.9	0.4	59.9	54.1	5.79	10.342	
925.0	925.0	925.0	925.0	2.7	2.7	179.62	-59.9	0.4	59.9	54.0	5.88	10.189	
950.0	950.0	950.0	950.0	2.8	2.8	179.62	-59.9	0.4	59.9	53.9	5.97	10.039	
975.0	975.0	975.0	975.0	2.8	2.8	179.62	-59.9	0.4	59.9	53.8	6.05	9.894	
1,000.0	1,000.0	1,000.0	1,000.0	2.9	2.9	179.62	-59.9	0.4	59.9	53.8	6.14	9.754	
1,025.0	1,025.0	1,025.0	1,025.0	2.9	2.9	179.62	-59.9	0.4	59.9	53.7	6.23	9.621	
1,050.0	1,050.0	1,050.0	1,050.0	3.0	3.0	179.62	-59.9	0.4	59.9	53.6	6.31	9.493	
1,075.0	1,075.0	1,075.0	1,075.0	3.0	3.0	179.62	-59.9	0.4	59.9	53.5	6.39	9.368	
1,100.0	1,100.0	1,100.0	1,100.0	3.0	3.0	179.62	-59.9	0.4	59.9	53.4	6.48	9.246	
1,125.0	1,125.0	1,125.0	1,125.0	3.1	3.1	179.62	-59.9	0.4	59.9	53.3	6.56	9.130	
1,150.0	1,150.0	1,150.0	1,150.0	3.1	3.1	179.62	-59.9	0.4	59.9	53.3	6.64	9.018	
1,175.0	1,175.0	1,175.0	1,175.0	3.2	3.2	179.62	-59.9	0.4	59.9	53.2	6.72	8.908	
1,200.0	1,200.0	1,200.0	1,200.0	3.2	3.2	179.62	-59.9	0.4	59.9	53.1	6.81	8.801	
1,225.0	1,225.0	1,225.0	1,225.0	3.2	3.2	179.62	-59.9	0.4	59.9	53.0	6.89	8.700	
1,250.0	1,250.0	1,250.0	1,250.0	3.3	3.3	179.62	-59.9	0.4	59.9	52.9	6.97	8.600	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,275.0	1,275.0	3.3	3.3	179.62	-59.9	0.4	59.9	52.9	7.04	8.503	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	179.62	-59.9	0.4	59.9	52.8	7.12	8.408	
1,325.0	1,325.0	1,325.0	1,325.0	3.4	3.4	179.62	-59.9	0.4	59.9	52.7	7.20	8.317	
1,350.0	1,350.0	1,350.0	1,350.0	3.4	3.4	179.62	-59.9	0.4	59.9	52.6	7.28	8.229	
1,375.0	1,375.0	1,375.0	1,375.0	3.5	3.5	179.62	-59.9	0.4	59.9	52.5	7.36	8.142	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	179.62	-59.9	0.4	59.9	52.5	7.44	8.057	
1,425.0	1,425.0	1,425.0	1,425.0	3.6	3.6	179.62	-59.9	0.4	59.9	52.4	7.51	7.975	
1,450.0	1,450.0	1,450.0	1,450.0	3.6	3.6	179.62	-59.9	0.4	59.9	52.3	7.59	7.895	
1,475.0	1,475.0	1,475.0	1,475.0	3.6	3.6	179.62	-59.9	0.4	59.9	52.2	7.66	7.817	
1,500.0	1,500.0	1,500.0	1,500.0	3.7	3.7	179.62	-59.9	0.4	59.9	52.2	7.74	7.740 CC	
1,525.0	1,525.0	1,524.9	1,524.9	3.7	3.7	179.72	-59.9	0.3	59.9	52.1	7.81	7.674 ES	
1,550.0	1,550.0	1,549.7	1,549.7	3.8	3.7	-179.98	-60.0	0.0	60.0	52.1	7.88	7.617	
1,575.0	1,575.0	1,574.6	1,574.6	3.8	3.8	-179.49	-60.2	-0.5	60.2	52.2	7.95	7.568	
1,600.0	1,600.0	1,599.4	1,599.4	3.8	3.8	-178.80	-60.3	-1.3	60.4	52.3	8.02	7.527	
1,625.0	1,625.0	1,624.3	1,624.2	3.9	3.9	-177.92	-60.6	-2.2	60.6	52.5	8.10	7.482	
1,650.0	1,650.0	1,649.1	1,649.0	3.9	3.9	-176.86	-60.9	-3.3	61.0	52.8	8.19	7.447	
1,675.0	1,675.0	1,673.9	1,673.8	3.9	4.0	-175.62	-61.3	-4.7	61.5	53.2	8.28	7.424	
1,700.0	1,700.0	1,698.6	1,698.5	4.0	4.0	-174.22	-61.7	-6.2	62.0	53.7	8.37	7.413 SF	
1,725.0	1,725.0	1,723.4	1,723.1	4.0	4.1	-172.66	-62.2	-8.0	62.7	54.2	8.45	7.418	
1,750.0	1,750.0	1,748.1	1,747.8	4.1	4.2	-170.96	-62.7	-10.0	63.5	55.0	8.54	7.438	
1,775.0	1,775.0	1,772.7	1,772.3	4.1	4.2	-169.14	-63.3	-12.1	64.5	55.8	8.63	7.474	
1,800.0	1,800.0	1,797.4	1,796.8	4.1	4.3	-167.22	-63.9	-14.5	65.6	56.9	8.71	7.527	
1,825.0	1,825.0	1,821.9	1,821.3	4.2	4.4	-165.21	-64.6	-17.1	66.9	58.1	8.80	7.600	
1,850.0	1,850.0	1,846.5	1,845.6	4.2	4.5	-163.13	-65.3	-19.8	68.4	59.5	8.89	7.692	
1,875.0	1,875.0	1,870.9	1,869.9	4.2	4.6	-161.00	-66.1	-22.8	70.1	61.1	8.98	7.804	
1,900.0	1,900.0	1,895.4	1,894.1	4.3	4.7	-158.84	-67.0	-25.9	72.0	63.0	9.08	7.937	
1,925.0	1,925.0	1,919.7	1,918.2	4.3	4.8	-156.68	-67.8	-29.2	74.2	65.0	9.17	8.090	
1,950.0	1,950.0	1,944.0	1,942.3	4.3	4.9	-154.52	-68.8	-32.8	76.6	67.3	9.27	8.265	
1,975.0	1,975.0	1,968.3	1,966.2	4.4	4.9	-152.40	-69.8	-36.5	79.2	69.9	9.37	8.460	
2,000.0	2,000.0	1,992.5	1,990.0	4.4	5.0	-150.31	-70.8	-40.4	82.1	72.7	9.47	8.676	
2,025.0	2,025.0	2,016.6	2,013.8	4.4	5.1	132.65	-71.9	-44.5	85.4	75.8	9.57	8.916	
2,050.0	2,050.0	2,040.5	2,037.3	4.5	5.2	134.71	-73.1	-48.7	89.0	79.3	9.69	9.187	
2,075.0	2,075.0	2,064.4	2,060.7	4.5	5.3	136.75	-74.2	-53.1	93.1	83.3	9.81	9.489	
2,100.0	2,100.0	2,088.1	2,083.9	4.5	5.4	138.77	-75.5	-57.7	97.6	87.7	9.94	9.821	
2,125.0	2,125.0	2,111.6	2,107.0	4.6	5.5	140.73	-76.7	-62.4	102.6	92.5	10.09	10.174	
2,150.0	2,149.9	2,135.0	2,129.8	4.6	5.6	142.63	-78.0	-67.3	108.0	97.8	10.23	10.557	
2,175.0	2,174.9	2,158.3	2,152.5	4.7	5.7	144.44	-79.4	-72.3	113.9	103.6	10.39	10.970	
2,200.0	2,199.8	2,181.3	2,174.9	4.7	5.8	146.16	-80.8	-77.5	120.3	109.8	10.54	11.411	
2,225.0	2,224.8	2,204.2	2,197.2	4.7	5.9	147.79	-82.2	-82.8	127.1	116.4	10.70	11.880	
2,250.0	2,249.7	2,226.9	2,219.2	4.8	6.0	149.32	-83.6	-88.2	134.4	123.5	10.86	12.372	
2,275.0	2,274.6	2,249.4	2,240.9	4.8	6.1	150.76	-85.1	-93.7	142.1	131.1	11.03	12.889	
2,300.0	2,299.5	2,271.7	2,262.4	4.9	6.2	152.10	-86.6	-99.4	150.3	139.1	11.19	13.430	
2,325.0	2,324.3	2,293.8	2,283.7	4.9	6.3	153.36	-88.2	-105.2	158.9	147.5	11.35	13.995	
2,350.0	2,349.1	2,315.7	2,304.7	5.0	6.4	154.53	-89.8	-111.0	167.9	156.4	11.51	14.593	
2,375.0	2,373.9	2,337.3	2,325.5	5.1	6.4	155.61	-91.3	-117.0	177.3	165.7	11.66	15.216	
2,400.0	2,398.7	2,358.8	2,345.9	5.1	6.5	156.63	-93.0	-123.0	187.2	175.4	11.80	15.862	
2,425.0	2,423.4	2,380.3	2,366.5	5.2	6.6	157.58	-94.6	-129.2	197.5	185.5	11.95	16.523	
2,450.0	2,448.2	2,402.7	2,387.9	5.3	6.7	158.51	-96.4	-135.7	208.0	195.9	12.10	17.190	
2,475.0	2,472.8	2,425.0	2,409.2	5.4	6.7	159.36	-98.1	-142.2	218.8	206.5	12.26	17.840	
2,500.0	2,497.5	2,447.2	2,430.4	5.4	6.8	160.15	-99.8	-148.7	229.8	217.4	12.43	18.493	
2,525.0	2,522.1	2,469.4	2,451.5	5.5	6.9	160.88	-101.6	-155.1	241.1	228.5	12.58	19.165	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,491.9	2,472.9	5.6	7.0	161.58	-103.3	-161.6	252.5	239.8	12.73	19.842	
2,575.0	2,571.2	2,514.4	2,494.5	5.7	7.1	162.28	-104.8	-168.2	264.1	251.2	12.89	20.494	
2,600.0	2,595.6	2,536.9	2,515.9	5.7	7.2	163.04	-106.2	-174.8	275.8	262.7	13.05	21.141	
2,625.0	2,620.1	2,559.5	2,537.4	5.8	7.2	163.78	-107.3	-181.4	287.5	274.2	13.22	21.744	
2,650.0	2,644.6	2,582.0	2,558.9	5.9	7.3	164.49	-108.4	-188.1	299.1	285.7	13.39	22.331	
2,675.0	2,669.1	2,604.5	2,580.4	5.9	7.4	165.19	-109.2	-194.8	310.8	297.2	13.57	22.907	
2,700.0	2,693.6	2,627.1	2,601.9	6.0	7.5	165.87	-109.8	-201.5	322.4	308.7	13.73	23.485	
2,725.0	2,718.1	2,649.6	2,623.4	6.1	7.6	166.53	-110.3	-208.2	334.0	320.1	13.89	24.044	
2,750.0	2,742.6	2,671.9	2,644.7	6.2	7.7	167.17	-110.6	-215.0	345.6	331.6	14.05	24.596	
2,775.0	2,767.1	2,693.8	2,665.6	6.3	7.8	167.77	-110.9	-221.5	357.3	343.1	14.20	25.151	
2,800.0	2,791.6	2,715.7	2,686.4	6.4	7.8	168.33	-111.2	-228.1	368.9	354.6	14.37	25.675	
2,825.0	2,816.1	2,737.6	2,707.3	6.4	7.9	168.86	-111.4	-234.7	380.6	366.1	14.54	26.173	
2,850.0	2,840.6	2,759.4	2,728.2	6.5	8.0	169.36	-111.7	-241.3	392.3	377.6	14.72	26.661	
2,875.0	2,865.1	2,781.3	2,749.0	6.6	8.1	169.82	-112.0	-247.8	404.1	389.2	14.89	27.139	
2,900.0	2,889.6	2,803.2	2,769.9	6.7	8.2	170.27	-112.2	-254.4	415.8	400.8	15.06	27.607	
2,925.0	2,914.1	2,825.1	2,790.8	6.8	8.3	170.68	-112.5	-261.0	427.6	412.4	15.24	28.057	
2,950.0	2,938.6	2,847.0	2,811.6	6.9	8.4	171.08	-112.8	-267.6	439.4	424.0	15.42	28.498	
2,975.0	2,963.1	2,868.8	2,832.5	7.0	8.5	171.46	-113.0	-274.1	451.2	435.6	15.60	28.929	
3,000.0	2,987.6	2,890.7	2,853.4	7.1	8.6	171.81	-113.3	-280.7	463.0	447.3	15.78	29.351	
3,025.0	3,012.1	2,912.6	2,874.3	7.2	8.7	172.15	-113.6	-287.3	474.9	458.9	15.96	29.758	
3,050.0	3,036.6	2,934.5	2,895.1	7.2	8.8	172.47	-113.8	-293.9	486.7	470.6	16.14	30.156	
3,075.0	3,061.1	2,956.4	2,916.0	7.3	8.9	172.78	-114.1	-300.4	498.6	482.3	16.32	30.545	
3,100.0	3,085.6	2,978.3	2,936.9	7.4	9.0	173.07	-114.4	-307.0	510.5	494.0	16.51	30.925	
3,125.0	3,110.1	3,000.1	2,957.7	7.5	9.1	173.35	-114.6	-313.6	522.3	505.6	16.69	31.294	
3,150.0	3,134.6	3,022.0	2,978.6	7.6	9.2	173.62	-114.9	-320.2	534.2	517.4	16.88	31.653	
3,175.0	3,159.1	3,043.9	2,999.5	7.7	9.3	173.88	-115.2	-326.7	546.1	529.1	17.06	32.004	
3,200.0	3,183.6	3,065.8	3,020.3	7.8	9.4	174.12	-115.4	-333.3	558.0	540.8	17.25	32.348	
3,225.0	3,208.1	3,087.7	3,041.2	7.9	9.5	174.36	-115.7	-339.9	570.0	552.5	17.44	32.681	
3,250.0	3,232.6	3,109.5	3,062.1	8.0	9.6	174.58	-116.0	-346.5	581.9	564.3	17.63	33.007	
3,275.0	3,257.1	3,131.4	3,082.9	8.1	9.7	174.80	-116.2	-353.0	593.8	576.0	17.82	33.325	
3,300.0	3,281.6	3,153.3	3,103.8	8.2	9.8	175.01	-116.5	-359.6	605.7	587.7	18.01	33.636	
3,325.0	3,306.1	3,175.2	3,124.7	8.3	9.8	175.21	-116.8	-366.2	617.7	599.5	18.20	33.938	
3,350.0	3,330.6	3,197.1	3,145.6	8.4	9.9	175.40	-117.0	-372.8	629.6	611.2	18.39	34.233	
3,375.0	3,355.1	3,219.0	3,166.4	8.5	10.0	175.59	-117.3	-379.3	641.6	623.0	18.59	34.522	
3,400.0	3,379.6	3,240.8	3,187.3	8.6	10.1	175.77	-117.6	-385.9	653.5	634.8	18.78	34.804	
3,425.0	3,404.1	3,262.7	3,208.2	8.7	10.2	175.94	-117.8	-392.5	665.5	646.5	18.97	35.078	
3,450.0	3,428.6	3,284.6	3,229.0	8.8	10.3	176.11	-118.1	-399.1	677.5	658.3	19.17	35.346	
3,475.0	3,453.1	3,306.5	3,249.9	8.9	10.4	176.27	-118.4	-405.6	689.5	670.1	19.36	35.609	
3,500.0	3,477.6	3,328.4	3,270.8	9.0	10.6	176.42	-118.6	-412.2	701.4	681.9	19.56	35.866	
3,525.0	3,502.1	3,350.3	3,291.6	9.1	10.7	176.57	-118.9	-418.8	713.4	693.7	19.75	36.115	
3,550.0	3,526.6	3,372.1	3,312.5	9.2	10.8	176.72	-119.2	-425.4	725.4	705.4	19.95	36.360	
3,575.0	3,551.1	3,394.0	3,333.4	9.3	10.9	176.86	-119.4	-431.9	737.4	717.2	20.15	36.599	
3,600.0	3,575.6	3,415.9	3,354.2	9.4	11.0	176.99	-119.7	-438.5	749.4	729.0	20.34	36.834	
3,625.0	3,600.1	3,437.8	3,375.1	9.5	11.1	177.12	-120.0	-445.1	761.4	740.8	20.54	37.061	
3,650.0	3,624.6	3,459.7	3,396.0	9.6	11.2	177.25	-120.2	-451.7	773.4	752.6	20.74	37.284	
3,675.0	3,649.1	3,481.5	3,416.9	9.7	11.3	177.38	-120.5	-458.2	785.4	764.4	20.94	37.503	
3,700.0	3,673.6	3,503.4	3,437.7	9.9	11.4	177.50	-120.8	-464.8	797.4	776.2	21.14	37.718	
3,725.0	3,698.1	3,525.3	3,458.6	10.0	11.5	177.61	-121.0	-471.4	809.4	788.0	21.34	37.926	
3,750.0	3,722.6	3,547.2	3,479.5	10.1	11.6	177.73	-121.3	-478.0	821.4	799.8	21.54	38.130	
3,775.0	3,747.1	3,569.1	3,500.3	10.2	11.7	177.84	-121.6	-484.5	833.4	811.6	21.74	38.330	
3,800.0	3,771.6	3,591.0	3,521.2	10.3	11.8	177.94	-121.8	-491.1	845.4	823.5	21.94	38.527	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,825.0	3,796.1	3,612.8	3,542.1	10.4	11.9	178.05	-122.1	-497.7	857.4	835.3	22.14	38.718	
3,850.0	3,820.5	3,634.7	3,562.9	10.5	12.0	178.15	-122.4	-504.2	869.4	847.1	22.35	38.906	
3,875.0	3,845.0	3,656.6	3,583.8	10.6	12.1	178.24	-122.6	-510.8	881.4	858.9	22.55	39.090	
3,900.0	3,869.5	3,678.5	3,604.7	10.7	12.2	178.34	-122.9	-517.4	893.5	870.7	22.75	39.270	
3,925.0	3,894.0	3,700.4	3,625.5	10.8	12.3	178.43	-123.2	-524.0	905.5	882.5	22.95	39.447	
3,950.0	3,918.5	3,722.2	3,646.4	10.9	12.4	178.52	-123.4	-530.5	917.5	894.4	23.16	39.619	
3,975.0	3,943.0	3,744.1	3,667.3	11.0	12.5	178.61	-123.7	-537.1	929.5	906.2	23.36	39.788	
4,000.0	3,967.5	3,766.0	3,688.2	11.1	12.6	178.70	-124.0	-543.7	941.6	918.0	23.57	39.954	
4,025.0	3,992.0	3,787.9	3,709.0	11.2	12.7	178.78	-124.2	-550.3	953.6	929.8	23.77	40.117	
4,050.0	4,016.5	3,809.8	3,729.9	11.4	12.8	178.86	-124.5	-556.8	965.6	941.6	23.98	40.276	
4,075.0	4,041.0	3,831.7	3,750.8	11.5	12.9	178.94	-124.8	-563.4	977.7	953.5	24.18	40.432	
4,100.0	4,065.5	3,853.5	3,771.6	11.6	13.0	179.02	-125.0	-570.0	989.7	965.3	24.39	40.586	

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1														Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
0.0	0.0	0.0	0.0	0.0	0.0	-112.16	-81.2	-199.4	215.3						
25.0	25.0	24.1	24.1	0.5	0.1	-112.16	-81.2	-199.4	215.3						
50.0	50.0	49.1	49.1	0.5	0.3	-112.16	-81.2	-199.4	215.3	214.0	1.27	169.182			
75.0	75.0	74.1	74.1	0.5	0.4	-112.16	-81.2	-199.4	215.3	213.9	1.37	157.660			
100.0	100.0	99.1	99.1	0.5	0.5	-112.16	-81.2	-199.4	215.3	213.8	1.48	145.290			
125.0	125.0	124.1	124.1	0.6	0.6	-112.16	-81.2	-199.4	215.3	213.6	1.73	124.557			
150.0	150.0	149.1	149.1	0.8	0.8	-112.16	-81.2	-199.4	215.3	213.3	1.98	109.007			
175.0	175.0	174.1	174.1	0.9	0.9	-112.16	-81.2	-199.4	215.3	213.1	2.22	96.909			
200.0	200.0	199.1	199.1	1.0	1.0	-112.16	-81.2	-199.4	215.3	212.8	2.47	87.228			
225.0	225.0	224.1	224.1	1.1	1.1	-112.16	-81.2	-199.4	215.3	212.7	2.63	81.851			
250.0	250.0	249.1	249.1	1.2	1.2	-112.16	-81.2	-199.4	215.3	212.5	2.79	77.142			
275.0	275.0	274.1	274.1	1.3	1.3	-112.16	-81.2	-199.4	215.3	212.3	2.95	72.945			
300.0	300.0	299.1	299.1	1.4	1.4	-112.16	-81.2	-199.4	215.3	212.2	3.11	69.181			
325.0	325.0	324.1	324.1	1.4	1.4	-112.16	-81.2	-199.4	215.3	212.1	3.24	66.416			
350.0	350.0	349.1	349.1	1.5	1.5	-112.16	-81.2	-199.4	215.3	211.9	3.37	63.873			
375.0	375.0	374.1	374.1	1.6	1.6	-112.16	-81.2	-199.4	215.3	211.8	3.50	61.518			
400.0	400.0	399.1	399.1	1.6	1.6	-112.16	-81.2	-199.4	215.3	211.7	3.63	59.331			
425.0	425.0	424.1	424.1	1.7	1.7	-112.16	-81.2	-199.4	215.3	211.6	3.74	57.562			
450.0	450.0	449.1	449.1	1.8	1.8	-112.16	-81.2	-199.4	215.3	211.4	3.85	55.900			
475.0	475.0	474.1	474.1	1.8	1.8	-112.16	-81.2	-199.4	215.3	211.3	3.96	54.332			
500.0	500.0	499.1	499.1	1.9	1.9	-112.16	-81.2	-199.4	215.3	211.2	4.07	52.849			
525.0	525.0	524.1	524.1	1.9	1.9	-112.16	-81.2	-199.4	215.3	211.1	4.17	51.589			
550.0	550.0	549.1	549.1	2.0	2.0	-112.16	-81.2	-199.4	215.3	211.0	4.27	50.390			
575.0	575.0	574.1	574.1	2.1	2.1	-112.16	-81.2	-199.4	215.3	210.9	4.37	49.246			
600.0	600.0	599.1	599.1	2.1	2.1	-112.16	-81.2	-199.4	215.3	210.8	4.47	48.152			
625.0	625.0	624.1	624.1	2.2	2.2	-112.16	-81.2	-199.4	215.3	210.7	4.56	47.193			
650.0	650.0	649.1	649.1	2.2	2.2	-112.16	-81.2	-199.4	215.3	210.6	4.65	46.273			
675.0	675.0	674.1	674.1	2.3	2.3	-112.16	-81.2	-199.4	215.3	210.6	4.74	45.389			
700.0	700.0	699.1	699.1	2.3	2.3	-112.16	-81.2	-199.4	215.3	210.5	4.83	44.537			
725.0	725.0	724.1	724.1	2.4	2.4	-112.16	-81.2	-199.4	215.3	210.4	4.92	43.775			
750.0	750.0	749.1	749.1	2.4	2.4	-112.16	-81.2	-199.4	215.3	210.3	5.00	43.040			
775.0	775.0	774.1	774.1	2.5	2.5	-112.16	-81.2	-199.4	215.3	210.2	5.09	42.328			
800.0	800.0	799.1	799.1	2.5	2.5	-112.16	-81.2	-199.4	215.3	210.1	5.17	41.640			
825.0	825.0	824.1	824.1	2.6	2.6	-112.16	-81.2	-199.4	215.3	210.0	5.25	41.015			
850.0	850.0	849.1	849.1	2.6	2.6	-112.16	-81.2	-199.4	215.3	210.0	5.33	40.408			
875.0	875.0	874.1	874.1	2.6	2.6	-112.16	-81.2	-199.4	215.3	209.9	5.41	39.819			
900.0	900.0	899.1	899.1	2.7	2.7	-112.16	-81.2	-199.4	215.3	209.8	5.49	39.248			
925.0	925.0	924.1	924.1	2.7	2.7	-112.16	-81.2	-199.4	215.3	209.7	5.56	38.722			
950.0	950.0	949.1	949.1	2.8	2.8	-112.16	-81.2	-199.4	215.3	209.7	5.63	38.210			
975.0	975.0	974.1	974.1	2.8	2.8	-112.16	-81.2	-199.4	215.3	209.6	5.71	37.712			
1,000.0	1,000.0	999.1	999.1	2.9	2.9	-112.16	-81.2	-199.4	215.3	209.5	5.78	37.227			
1,025.0	1,025.0	1,024.1	1,024.1	2.9	2.9	-112.16	-81.2	-199.4	215.3	209.4	5.85	36.776			
1,050.0	1,050.0	1,049.1	1,049.1	3.0	3.0	-112.16	-81.2	-199.4	215.3	209.4	5.93	36.337			
1,075.0	1,075.0	1,074.1	1,074.1	3.0	3.0	-112.16	-81.2	-199.4	215.3	209.3	6.00	35.908			
1,100.0	1,100.0	1,099.1	1,099.1	3.0	3.0	-112.16	-81.2	-199.4	215.3	209.2	6.07	35.489			
1,125.0	1,125.0	1,124.1	1,124.1	3.1	3.1	-112.16	-81.2	-199.4	215.3	209.2	6.13	35.097			
1,150.0	1,150.0	1,149.1	1,149.1	3.1	3.1	-112.16	-81.2	-199.4	215.3	209.1	6.20	34.715			
1,175.0	1,175.0	1,174.1	1,174.1	3.2	3.2	-112.16	-81.2	-199.4	215.3	209.0	6.27	34.340			
1,200.0	1,200.0	1,199.1	1,199.1	3.2	3.2	-112.16	-81.2	-199.4	215.3	209.0	6.34	33.973			
1,225.0	1,225.0	1,224.1	1,224.1	3.2	3.2	-112.16	-81.2	-199.4	215.3	208.9	6.40	33.628			
1,250.0	1,250.0	1,249.1	1,249.1	3.3	3.3	-112.16	-81.2	-199.4	215.3	208.8	6.47	33.291			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
1,275.0	1,275.0	1,274.1	1,274.1	3.3	3.3	-112.16	-112.16	-81.2	-199.4	215.3	208.8	6.53	32.960
1,300.0	1,300.0	1,299.1	1,299.1	3.4	3.4	-112.16	-112.16	-81.2	-199.4	215.3	208.7	6.60	32.635
1,325.0	1,325.0	1,324.1	1,324.1	3.4	3.4	-112.16	-112.16	-81.2	-199.4	215.3	208.6	6.66	32.328
1,350.0	1,350.0	1,349.1	1,349.1	3.4	3.4	-112.16	-112.16	-81.2	-199.4	215.3	208.6	6.72	32.028
1,375.0	1,375.0	1,374.1	1,374.1	3.5	3.5	-112.16	-112.16	-81.2	-199.4	215.3	208.5	6.78	31.732
1,400.0	1,400.0	1,399.1	1,399.1	3.5	3.5	-112.16	-112.16	-81.2	-199.4	215.3	208.5	6.85	31.442
1,425.0	1,425.0	1,424.1	1,424.1	3.6	3.6	-112.16	-112.16	-81.2	-199.4	215.3	208.4	6.91	31.167
1,450.0	1,450.0	1,449.1	1,449.1	3.6	3.6	-112.16	-112.16	-81.2	-199.4	215.3	208.3	6.97	30.896
1,475.0	1,475.0	1,474.1	1,474.1	3.6	3.6	-112.16	-112.16	-81.2	-199.4	215.3	208.3	7.03	30.631
1,500.0	1,500.0	1,499.1	1,499.1	3.7	3.7	-112.16	-112.16	-81.2	-199.4	215.3	208.2	7.09	30.369
1,525.0	1,525.0	1,524.1	1,524.1	3.7	3.7	-112.16	-112.16	-81.2	-199.4	215.3	208.2	7.15	30.120
1,550.0	1,550.0	1,549.1	1,549.1	3.8	3.8	-112.16	-112.16	-81.2	-199.4	215.3	208.1	7.21	29.875
1,575.0	1,575.0	1,574.1	1,574.1	3.8	3.8	-112.16	-112.16	-81.2	-199.4	215.3	208.0	7.27	29.634
1,600.0	1,600.0	1,599.1	1,599.1	3.8	3.8	-112.16	-112.16	-81.2	-199.4	215.3	208.0	7.32	29.397
1,625.0	1,625.0	1,624.1	1,624.1	3.9	3.9	-112.16	-112.16	-81.2	-199.4	215.3	207.9	7.38	29.171
1,650.0	1,650.0	1,649.1	1,649.1	3.9	3.9	-112.16	-112.16	-81.2	-199.4	215.3	207.9	7.44	28.948
1,675.0	1,675.0	1,674.1	1,674.1	3.9	3.9	-112.16	-112.16	-81.2	-199.4	215.3	207.8	7.49	28.728
1,700.0	1,700.0	1,699.1	1,699.1	4.0	4.0	-112.16	-112.16	-81.2	-199.4	215.3	207.7	7.55	28.511
1,725.0	1,725.0	1,724.1	1,724.1	4.0	4.0	-112.16	-112.16	-81.2	-199.4	215.3	207.7	7.61	28.304
1,750.0	1,750.0	1,749.1	1,749.1	4.1	4.1	-112.16	-112.16	-81.2	-199.4	215.3	207.6	7.66	28.099
1,775.0	1,775.0	1,774.1	1,774.1	4.1	4.1	-112.16	-112.16	-81.2	-199.4	215.3	207.6	7.72	27.898
1,800.0	1,800.0	1,799.1	1,799.1	4.1	4.1	-112.16	-112.16	-81.2	-199.4	215.3	207.5	7.77	27.699
1,825.0	1,825.0	1,824.1	1,824.1	4.2	4.2	-112.16	-112.16	-81.2	-199.4	215.3	207.5	7.83	27.508
1,850.0	1,850.0	1,849.1	1,849.1	4.2	4.2	-112.16	-112.16	-81.2	-199.4	215.3	207.4	7.88	27.320
1,875.0	1,875.0	1,874.1	1,874.1	4.2	4.2	-112.16	-112.16	-81.2	-199.4	215.3	207.4	7.93	27.134
1,900.0	1,900.0	1,899.1	1,899.1	4.3	4.3	-112.16	-112.16	-81.2	-199.4	215.3	207.3	7.99	26.951
1,925.0	1,925.0	1,924.1	1,924.1	4.3	4.3	-112.16	-112.16	-81.2	-199.4	215.3	207.3	8.04	26.774
1,950.0	1,950.0	1,949.1	1,949.1	4.3	4.3	-112.16	-112.16	-81.2	-199.4	215.3	207.2	8.09	26.600
1,975.0	1,975.0	1,974.1	1,974.1	4.4	4.4	-112.16	-112.16	-81.2	-199.4	215.3	207.2	8.15	26.428
2,000.0	2,000.0	1,999.1	1,999.1	4.4	4.4	-112.16	-112.16	-81.2	-199.4	215.3	207.1	8.20	26.258
2,025.0	2,025.0	2,024.1	2,024.1	4.4	4.5	168.77	-112.16	-81.2	-199.4	215.4	207.1	8.30	25.958
2,050.0	2,050.0	2,049.1	2,049.1	4.5	4.5	168.78	-112.16	-81.2	-199.4	215.7	207.3	8.40	25.681
2,075.0	2,075.0	2,074.1	2,074.1	4.5	4.6	168.81	-112.16	-81.2	-199.4	216.3	207.8	8.50	25.431
2,100.0	2,100.0	2,099.1	2,099.1	4.5	4.6	168.84	-112.16	-81.2	-199.4	217.0	208.4	8.61	25.207
2,125.0	2,125.0	2,124.1	2,124.1	4.6	4.7	168.89	-112.16	-81.2	-199.4	218.0	209.2	8.73	24.975
2,150.0	2,149.9	2,149.0	2,149.0	4.6	4.7	168.95	-112.16	-81.2	-199.4	219.2	210.3	8.85	24.774
2,175.0	2,174.9	2,174.0	2,174.0	4.7	4.7	169.01	-112.16	-81.2	-199.4	220.5	211.6	8.97	24.600
2,200.0	2,199.8	2,198.9	2,198.9	4.7	4.8	169.09	-112.16	-81.2	-199.4	222.1	213.1	9.08	24.453
2,225.0	2,224.8	2,223.9	2,223.9	4.7	4.8	169.17	-112.16	-81.2	-199.4	224.0	214.8	9.20	24.332
2,250.0	2,249.7	2,248.8	2,248.8	4.8	4.8	169.26	-112.16	-81.2	-199.4	226.0	216.7	9.32	24.236
2,275.0	2,274.6	2,273.7	2,273.7	4.8	4.9	169.36	-112.16	-81.2	-199.4	228.2	218.8	9.45	24.165
2,300.0	2,299.5	2,298.6	2,298.6	4.9	4.9	169.46	-112.16	-81.2	-199.4	230.7	221.1	9.57	24.117
2,325.0	2,324.3	2,323.4	2,323.4	4.9	5.0	169.58	-112.16	-81.2	-199.4	233.4	223.7	9.69	24.086
2,350.0	2,349.1	2,348.2	2,348.2	5.0	5.0	169.69	-112.16	-81.2	-199.4	236.3	226.5	9.81	24.078
2,375.0	2,373.9	2,373.0	2,373.0	5.1	5.0	169.82	-112.16	-81.2	-199.4	239.4	229.4	9.94	24.090
2,400.0	2,398.7	2,397.8	2,397.8	5.1	5.1	169.95	-112.16	-81.2	-199.4	242.7	232.6	10.06	24.123
2,425.0	2,423.4	2,422.5	2,422.5	5.2	5.1	170.08	-112.16	-81.2	-199.4	246.2	236.1	10.19	24.168
2,450.0	2,448.2	2,447.3	2,447.3	5.3	5.1	170.22	-112.16	-81.2	-199.4	250.0	239.7	10.32	24.233
2,475.0	2,472.8	2,471.9	2,471.9	5.4	5.2	170.36	-112.16	-81.2	-199.4	254.0	243.5	10.44	24.315
2,500.0	2,497.5	2,496.6	2,496.6	5.4	5.2	170.50	-112.16	-81.2	-199.4	258.1	247.6	10.57	24.415
2,525.0	2,522.1	2,523.2	2,523.2	5.5	5.3	170.66	-112.16	-81.2	-199.3	262.4	251.7	10.70	24.519

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
2,550.0	2,546.6	2,550.3	2,550.3	5.6	5.3	170.80	-81.1	-199.0	266.7	255.9	10.84	24.609	
2,575.0	2,571.2	2,577.4	2,577.4	5.7	5.3	170.94	-81.1	-198.4	271.0	260.0	10.98	24.693	
2,600.0	2,595.6	2,604.6	2,604.5	5.7	5.4	171.08	-81.0	-197.5	275.2	264.1	11.09	24.805	
2,625.0	2,620.1	2,631.8	2,631.8	5.8	5.4	171.21	-80.8	-196.4	279.1	267.9	11.24	24.833	
2,650.0	2,644.6	2,659.2	2,659.1	5.9	5.4	171.32	-80.7	-195.0	282.8	271.4	11.39	24.839	
2,675.0	2,669.1	2,686.6	2,686.4	5.9	5.5	171.41	-80.4	-193.4	286.3	274.8	11.53	24.823	
2,700.0	2,693.6	2,714.1	2,713.9	6.0	5.5	171.49	-80.2	-191.5	289.5	277.9	11.68	24.784	
2,725.0	2,718.1	2,741.6	2,741.3	6.1	5.6	171.56	-79.9	-189.3	292.6	280.7	11.84	24.717	
2,750.0	2,742.6	2,769.2	2,768.8	6.2	5.6	171.62	-79.6	-186.9	295.3	283.3	11.99	24.632	
2,775.0	2,767.1	2,796.9	2,796.4	6.3	5.6	171.67	-79.3	-184.1	297.9	285.7	12.14	24.530	
2,800.0	2,791.6	2,824.6	2,823.9	6.4	5.7	171.70	-78.9	-181.2	300.2	287.9	12.30	24.403	
2,825.0	2,816.1	2,852.4	2,851.5	6.4	5.7	171.72	-78.5	-177.9	302.3	289.8	12.46	24.253	
2,850.0	2,840.6	2,880.2	2,879.1	6.5	5.8	171.73	-78.1	-174.4	304.1	291.5	12.63	24.086	
2,875.0	2,865.1	2,908.1	2,906.7	6.6	5.9	171.73	-77.6	-170.6	305.7	292.9	12.79	23.901	
2,900.0	2,889.6	2,935.9	2,934.3	6.7	6.0	171.72	-77.1	-166.6	307.1	294.1	12.96	23.698	
2,925.0	2,914.1	2,963.8	2,961.8	6.8	6.0	171.70	-76.5	-162.2	308.2	295.1	13.13	23.476	
2,950.0	2,938.6	2,991.8	2,989.4	6.9	6.1	171.67	-76.0	-157.6	309.1	295.8	13.30	23.242	
2,975.0	2,963.1	3,019.7	3,016.9	7.0	6.2	171.63	-75.4	-152.8	309.7	296.3	13.47	22.990	
3,000.0	2,987.6	3,047.7	3,044.3	7.1	6.3	171.58	-74.7	-147.6	310.1	296.5	13.65	22.726	
3,025.0	3,012.1	3,075.6	3,071.8	7.2	6.4	171.52	-74.0	-142.2	310.3	296.5	13.82	22.446	
3,050.0	3,036.6	3,103.6	3,099.1	7.2	6.5	171.45	-73.3	-136.5	310.2	296.2	14.00	22.158	
3,075.0	3,061.1	3,128.2	3,123.2	7.3	6.6	171.38	-72.7	-131.5	310.1	295.9	14.16	21.892	
3,100.0	3,085.6	3,153.2	3,147.6	7.4	6.6	171.31	-72.0	-126.3	309.9	295.6	14.33	21.629	
3,125.0	3,110.1	3,178.2	3,172.1	7.5	6.7	171.25	-71.4	-121.2	309.8	295.3	14.50	21.369	
3,150.0	3,134.6	3,203.2	3,196.5	7.6	6.8	171.18	-70.7	-116.0	309.6	295.0	14.67	21.113	
3,175.0	3,159.1	3,228.2	3,221.0	7.7	6.8	171.11	-70.1	-110.8	309.5	294.6	14.84	20.858	
3,200.0	3,183.6	3,253.2	3,245.4	7.8	6.9	171.04	-69.4	-105.7	309.3	294.3	15.01	20.609	
3,225.0	3,208.1	3,278.2	3,269.9	7.9	7.0	170.97	-68.8	-100.5	309.2	294.0	15.18	20.362	
3,250.0	3,232.6	3,303.2	3,294.4	8.0	7.1	170.90	-68.2	-95.4	309.0	293.7	15.36	20.121	
3,275.0	3,257.1	3,328.2	3,318.8	8.1	7.1	170.83	-67.5	-90.2	308.9	293.3	15.54	19.880	
3,300.0	3,281.6	3,353.2	3,343.3	8.2	7.2	170.77	-66.9	-85.1	308.7	293.0	15.72	19.645	
3,325.0	3,306.1	3,378.2	3,367.7	8.3	7.3	170.70	-66.2	-79.9	308.6	292.7	15.90	19.413	
3,350.0	3,330.6	3,403.2	3,392.2	8.4	7.4	170.63	-65.6	-74.7	308.4	292.4	16.08	19.185	
3,375.0	3,355.1	3,428.2	3,416.6	8.5	7.5	170.56	-64.9	-69.6	308.3	292.0	16.26	18.959	
3,400.0	3,379.6	3,453.1	3,441.1	8.6	7.5	170.49	-64.3	-64.4	308.1	291.7	16.44	18.738	
3,425.0	3,404.1	3,478.1	3,465.5	8.7	7.6	170.42	-63.6	-59.3	308.0	291.4	16.63	18.521	
3,450.0	3,428.6	3,503.1	3,490.0	8.8	7.7	170.35	-63.0	-54.1	307.8	291.0	16.82	18.307	
3,475.0	3,453.1	3,528.1	3,514.4	8.9	7.8	170.28	-62.3	-49.0	307.7	290.7	17.00	18.096	
3,500.0	3,477.6	3,553.1	3,538.9	9.0	7.9	170.21	-61.7	-43.8	307.6	290.4	17.19	17.889	
3,525.0	3,502.1	3,578.1	3,563.3	9.1	8.0	170.14	-61.0	-38.7	307.4	290.0	17.38	17.686	
3,550.0	3,526.6	3,603.1	3,587.8	9.2	8.1	170.08	-60.4	-33.5	307.3	289.7	17.57	17.486	
3,575.0	3,551.1	3,628.1	3,612.2	9.3	8.2	170.01	-59.7	-28.3	307.1	289.4	17.76	17.289	
3,600.0	3,575.6	3,653.1	3,636.7	9.4	8.2	169.94	-59.1	-23.2	307.0	289.0	17.96	17.096	
3,625.0	3,600.1	3,678.1	3,661.1	9.5	8.3	169.87	-58.5	-18.0	306.8	288.7	18.15	16.906	
3,650.0	3,624.6	3,703.1	3,685.6	9.6	8.4	169.80	-57.8	-12.9	306.7	288.3	18.34	16.720	
3,675.0	3,649.1	3,728.1	3,710.0	9.7	8.5	169.73	-57.2	-7.7	306.5	288.0	18.54	16.536	
3,700.0	3,673.6	3,753.1	3,734.5	9.9	8.6	169.66	-56.5	-2.6	306.4	287.7	18.73	16.355	
3,725.0	3,698.1	3,778.1	3,758.9	10.0	8.7	169.59	-55.9	2.6	306.3	287.3	18.93	16.178	
3,750.0	3,722.6	3,803.1	3,783.4	10.1	8.8	169.52	-55.2	7.8	306.1	287.0	19.13	16.004	
3,775.0	3,747.1	3,828.1	3,807.8	10.2	8.9	169.45	-54.6	12.9	306.0	286.7	19.33	15.833	
3,800.0	3,771.6	3,853.1	3,832.3	10.3	9.0	169.38	-53.9	18.1	305.8	286.3	19.52	15.664	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
3,825.0	3,796.1	3,878.1	3,856.7	10.4	9.1	169.31	-53.3	23.2	305.7	286.0	19.72	15.499	
3,850.0	3,820.5	3,903.1	3,881.2	10.5	9.2	169.24	-52.6	28.4	305.6	285.6	19.92	15.337	
3,875.0	3,845.0	3,928.1	3,905.6	10.6	9.3	169.17	-52.0	33.5	305.4	285.3	20.12	15.177	
3,900.0	3,869.5	3,953.1	3,930.1	10.7	9.4	169.10	-51.3	38.7	305.3	285.0	20.33	15.020	
3,925.0	3,894.0	3,978.1	3,954.5	10.8	9.5	169.03	-50.7	43.9	305.1	284.6	20.53	14.866	
3,950.0	3,918.5	4,003.1	3,979.0	10.9	9.6	168.96	-50.1	49.0	305.0	284.3	20.73	14.714	
3,975.0	3,943.0	4,028.1	4,003.4	11.0	9.7	168.89	-49.4	54.2	304.9	283.9	20.93	14.565	
4,000.0	3,967.5	4,053.1	4,027.9	11.1	9.8	168.82	-48.8	59.3	304.7	283.6	21.13	14.419	
4,025.0	3,992.0	4,078.1	4,052.3	11.2	9.9	168.74	-48.1	64.5	304.6	283.3	21.34	14.275	
4,050.0	4,016.5	4,103.1	4,076.8	11.4	10.0	168.67	-47.5	69.6	304.5	282.9	21.54	14.134	
4,075.0	4,041.0	4,128.1	4,101.2	11.5	10.1	168.60	-46.8	74.8	304.3	282.6	21.75	13.994	
4,100.0	4,065.5	4,153.1	4,125.7	11.6	10.2	168.53	-46.2	79.9	304.2	282.2	21.95	13.857	
4,125.0	4,090.0	4,178.1	4,150.1	11.7	10.3	168.46	-45.5	85.1	304.1	281.9	22.16	13.723	
4,150.0	4,114.5	4,203.1	4,174.6	11.8	10.4	168.39	-44.9	90.3	303.9	281.6	22.36	13.591	
4,175.0	4,139.0	4,228.0	4,199.0	11.9	10.5	168.32	-44.2	95.4	303.8	281.2	22.57	13.461	
4,200.0	4,163.5	4,253.0	4,223.5	12.0	10.6	168.25	-43.6	100.6	303.7	280.9	22.77	13.333	
4,225.0	4,188.0	4,278.0	4,247.9	12.1	10.7	168.18	-42.9	105.7	303.5	280.5	22.98	13.207	
4,250.0	4,212.5	4,303.0	4,272.4	12.2	10.8	168.11	-42.3	110.9	303.4	280.2	23.19	13.084	
4,275.0	4,237.0	4,328.0	4,296.8	12.3	10.9	168.03	-41.6	116.0	303.3	279.9	23.40	12.962	
4,300.0	4,261.5	4,353.0	4,321.3	12.4	11.0	167.96	-41.0	121.2	303.1	279.5	23.60	12.842	
4,325.0	4,286.0	4,378.0	4,345.7	12.6	11.1	167.89	-40.4	126.4	303.0	279.2	23.81	12.725	
4,350.0	4,310.5	4,403.0	4,370.2	12.7	11.2	167.82	-39.7	131.5	302.9	278.8	24.02	12.609	
4,375.0	4,335.0	4,428.0	4,394.6	12.8	11.3	167.75	-39.1	136.7	302.7	278.5	24.23	12.495	
4,400.0	4,359.5	4,453.0	4,419.1	12.9	11.4	167.68	-38.4	141.8	302.6	278.2	24.44	12.383	
4,425.0	4,384.0	4,478.0	4,443.5	13.0	11.5	167.61	-37.8	147.0	302.5	277.8	24.65	12.273	
4,450.0	4,408.5	4,503.0	4,468.0	13.1	11.6	167.53	-37.1	152.1	302.4	277.5	24.86	12.165	
4,475.0	4,433.0	4,528.0	4,492.4	13.2	11.7	167.46	-36.5	157.3	302.2	277.2	25.06	12.058	
4,500.0	4,457.5	4,553.0	4,516.9	13.3	11.8	167.39	-35.8	162.5	302.1	276.8	25.27	11.953	
4,525.0	4,482.0	4,578.0	4,541.3	13.4	11.9	167.32	-35.2	167.6	302.0	276.5	25.48	11.849	
4,550.0	4,506.5	4,603.0	4,565.8	13.6	12.0	167.25	-34.5	172.8	301.8	276.1	25.69	11.748	
4,575.0	4,531.0	4,628.0	4,590.2	13.7	12.1	167.18	-33.9	177.9	301.7	275.8	25.90	11.647	
4,600.0	4,555.5	4,653.0	4,614.7	13.8	12.2	167.10	-33.2	183.1	301.6	275.5	26.11	11.549	
4,625.0	4,580.0	4,678.0	4,639.1	13.9	12.4	167.03	-32.6	188.2	301.5	275.1	26.33	11.452	
4,650.0	4,604.5	4,703.0	4,663.6	14.0	12.5	166.96	-31.9	193.4	301.3	274.8	26.54	11.356	
4,675.0	4,629.0	4,728.0	4,688.0	14.1	12.6	166.89	-31.3	198.5	301.2	274.5	26.75	11.262	
4,700.0	4,653.5	4,753.0	4,712.5	14.2	12.7	166.81	-30.7	203.7	301.1	274.1	26.96	11.169	
4,725.0	4,678.0	4,778.0	4,736.9	14.3	12.8	166.74	-30.0	208.9	301.0	273.8	27.17	11.078	
4,750.0	4,702.5	4,803.0	4,761.4	14.5	12.9	166.67	-29.4	214.0	300.8	273.5	27.38	10.988	
4,775.0	4,727.0	4,828.0	4,785.8	14.6	13.0	166.60	-28.7	219.2	300.7	273.1	27.59	10.899	
4,800.0	4,751.5	4,853.0	4,810.3	14.7	13.1	166.52	-28.1	224.3	300.6	272.8	27.80	10.812	
4,825.0	4,776.0	4,878.0	4,834.7	14.8	13.2	166.45	-27.4	229.5	300.5	272.5	28.01	10.728	
4,850.0	4,800.5	4,903.0	4,859.2	14.9	13.3	166.38	-26.8	234.6	300.4	272.1	28.22	10.645	
4,874.1	4,824.1	4,927.0	4,882.7	15.0	13.4	166.31	-26.1	239.6	300.2	271.8	28.42	10.566	
4,875.0	4,825.0	4,928.0	4,883.6	15.0	13.4	166.31	-26.1	239.8	300.2	271.8	28.42	10.563	
4,900.0	4,849.5	4,953.0	4,908.1	15.1	13.5	166.23	-25.5	245.0	300.1	271.4	28.63	10.482	
4,925.0	4,874.0	4,978.0	4,932.5	15.2	13.7	166.15	-24.8	250.1	299.8	270.9	28.84	10.396	
4,950.0	4,898.6	5,002.9	4,957.0	15.3	13.8	166.06	-24.2	255.3	299.4	270.4	29.05	10.307	
4,975.0	4,923.1	5,027.9	4,981.4	15.4	13.9	165.97	-23.5	260.4	298.9	269.6	29.26	10.217	
5,000.0	4,947.7	5,052.9	5,005.9	15.6	14.0	165.87	-22.9	265.6	298.3	268.8	29.47	10.124	
5,025.0	4,972.3	5,077.9	5,030.3	15.7	14.1	165.77	-22.2	270.7	297.6	267.9	29.67	10.030	
5,050.0	4,997.0	5,102.9	5,054.7	15.8	14.2	165.66	-21.6	275.9	296.8	266.9	29.88	9.934	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,075.0	5,021.6	5,127.9	5,079.2	15.9	14.3	165.54	-21.0	281.0	295.9	265.8	30.08	9.837	
5,100.0	5,046.3	5,152.8	5,103.6	16.0	14.4	165.42	-20.3	286.2	294.9	264.6	30.28	9.737	
5,125.0	5,071.0	5,177.8	5,128.0	16.1	14.5	165.29	-19.7	291.3	293.8	263.3	30.48	9.636	
5,150.0	5,095.7	5,202.8	5,152.4	16.2	14.6	165.16	-19.0	296.5	292.5	261.8	30.68	9.534	
5,175.0	5,120.4	5,227.7	5,176.8	16.3	14.8	165.02	-18.4	301.6	291.2	260.3	30.88	9.429	
5,200.0	5,145.1	5,252.7	5,201.3	16.4	14.9	164.87	-17.7	306.8	289.8	258.7	31.08	9.323	
5,225.0	5,169.9	5,277.6	5,225.6	16.5	15.0	164.71	-17.1	311.9	288.2	257.0	31.27	9.216	
5,250.0	5,194.6	5,302.5	5,250.0	16.6	15.1	164.55	-16.4	317.1	286.6	255.1	31.47	9.108	
5,275.0	5,219.4	5,327.5	5,274.4	16.7	15.2	164.37	-15.8	322.2	284.9	253.2	31.66	8.997	
5,300.0	5,244.2	5,352.4	5,298.8	16.8	15.3	164.19	-15.1	327.4	283.0	251.2	31.85	8.886	
5,325.0	5,269.0	5,377.3	5,323.2	16.9	15.4	164.00	-14.5	332.5	281.1	249.0	32.04	8.773	
5,350.0	5,293.8	5,402.2	5,347.5	17.0	15.5	163.80	-13.9	337.6	279.0	246.8	32.22	8.660	
5,375.0	5,318.7	5,427.1	5,371.9	17.1	15.6	163.59	-13.2	342.8	276.9	244.5	32.41	8.544	
5,400.0	5,343.5	5,452.0	5,396.2	17.2	15.8	163.38	-12.6	347.9	274.6	242.0	32.59	8.428	
5,425.0	5,368.4	5,476.8	5,420.5	17.3	15.9	163.15	-11.9	353.0	272.3	239.5	32.76	8.311	
5,450.0	5,393.2	5,501.7	5,444.8	17.4	16.0	162.91	-11.3	358.1	269.8	236.9	32.94	8.192	
5,475.0	5,418.1	5,526.5	5,469.1	17.5	16.1	162.66	-10.6	363.3	267.3	234.2	33.11	8.073	
5,500.0	5,443.0	5,551.4	5,493.4	17.6	16.2	162.39	-10.0	368.4	264.7	231.4	33.28	7.952	
5,525.0	5,467.9	5,576.2	5,517.7	17.7	16.3	162.11	-9.4	373.5	261.9	228.5	33.45	7.831	
5,550.0	5,492.8	5,601.0	5,542.0	17.8	16.4	161.82	-8.7	378.6	259.1	225.5	33.61	7.709	
5,575.0	5,517.7	5,625.8	5,566.2	17.9	16.5	161.52	-8.1	383.7	256.1	222.4	33.77	7.586	
5,600.0	5,542.7	5,650.5	5,590.4	18.0	16.6	161.20	-7.4	388.9	253.1	219.2	33.92	7.461	
5,625.0	5,567.6	5,675.3	5,614.7	18.1	16.8	160.86	-6.8	394.0	250.0	215.9	34.07	7.337	
5,650.0	5,592.5	5,700.1	5,638.9	18.2	16.9	160.51	-6.2	399.1	246.8	212.5	34.21	7.212	
5,675.0	5,617.5	5,724.8	5,663.1	18.3	17.0	160.14	-5.5	404.2	243.4	209.1	34.35	7.086	
5,700.0	5,642.5	5,749.5	5,687.2	18.4	17.1	159.75	-4.9	409.3	240.0	205.6	34.49	6.959	
5,725.0	5,667.4	5,774.2	5,711.4	18.5	17.2	159.33	-4.2	414.4	236.5	201.9	34.62	6.833	
5,750.0	5,692.4	5,798.9	5,735.5	18.6	17.3	158.90	-3.6	419.5	233.0	198.2	34.74	6.706	
5,775.0	5,717.4	5,823.6	5,759.7	18.6	17.4	158.44	-3.0	424.5	229.3	194.4	34.85	6.578	
5,800.0	5,742.3	5,848.2	5,783.8	18.7	17.5	157.96	-2.3	429.6	225.5	190.6	34.97	6.450	
5,825.0	5,767.3	5,872.8	5,807.9	18.8	17.6	157.45	-1.7	434.7	221.7	186.6	35.06	6.323	
5,850.0	5,792.3	5,897.4	5,831.9	18.9	17.8	156.91	-1.0	439.8	217.8	182.6	35.15	6.195	
5,875.0	5,817.3	5,922.0	5,856.0	18.9	17.9	156.34	-0.4	444.9	213.8	178.5	35.23	6.067	
5,900.0	5,842.3	5,946.6	5,880.0	19.0	18.0	155.73	0.2	449.9	209.7	174.4	35.30	5.939	
5,925.0	5,867.3	5,971.1	5,904.0	19.1	18.1	155.09	0.9	455.0	205.5	170.2	35.35	5.813	
5,950.0	5,892.3	5,995.7	5,928.0	19.1	18.2	154.41	1.5	460.1	201.3	165.9	35.39	5.687	
5,975.0	5,917.3	6,020.2	5,952.0	19.2	18.3	153.69	2.1	465.1	197.0	161.6	35.42	5.562	
6,000.0	5,942.3	6,044.7	5,976.0	19.3	18.4	152.92	2.8	470.2	192.6	157.2	35.44	5.436	
6,024.1	5,966.4	6,068.3	5,999.0	19.3	18.5	-128.79	3.4	475.0	188.4	153.0	35.40	5.320	
6,025.0	5,967.3	6,069.1	5,999.9	19.3	18.5	-128.82	3.4	475.2	188.2	152.8	35.40	5.316	
6,050.0	5,992.3	6,093.6	6,023.8	19.3	18.7	-129.67	4.0	480.3	183.8	148.4	35.34	5.200	
6,075.0	6,017.3	6,118.0	6,047.7	19.3	18.8	-130.55	4.7	485.3	179.4	144.1	35.27	5.086	
6,100.0	6,042.3	6,142.5	6,071.6	19.3	18.9	-131.48	5.3	490.3	175.0	139.9	35.18	4.976	
6,125.0	6,067.3	6,167.0	6,095.6	19.3	19.0	-132.46	5.9	495.4	170.7	135.7	35.08	4.867	
6,150.0	6,092.3	6,191.4	6,119.5	19.3	19.1	-133.49	6.6	500.4	166.5	131.5	34.96	4.762	
6,175.0	6,117.3	6,215.9	6,143.4	19.3	19.2	-134.57	7.2	505.5	162.3	127.5	34.83	4.661	
6,200.0	6,142.3	6,240.3	6,167.3	19.4	19.3	-135.70	7.8	510.5	158.2	123.5	34.67	4.563	
6,225.0	6,167.3	6,264.8	6,191.2	19.4	19.4	-136.89	8.5	515.6	154.1	119.6	34.49	4.468	
6,250.0	6,192.3	6,289.2	6,215.2	19.4	19.5	-138.15	9.1	520.6	150.1	115.8	34.29	4.378	
6,275.0	6,217.3	6,313.7	6,239.1	19.4	19.7	-139.47	9.7	525.7	146.2	112.1	34.06	4.293	
6,300.0	6,242.3	6,338.1	6,263.0	19.4	19.8	-140.87	10.4	530.7	142.4	108.6	33.80	4.212	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance			Offset Well Error: 0.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
6,325.0	6,267.3	6,362.6	6,286.9	19.4	19.9	-142.34	11.0	535.7	138.6	105.1	33.51	4.137		
6,350.0	6,292.3	6,386.6	6,310.4	19.4	20.0	-143.84	11.6	540.6	135.0	101.8	33.19	4.067		
6,375.0	6,317.3	6,410.5	6,333.8	19.4	20.1	-145.37	12.2	545.4	131.6	98.7	32.85	4.005		
6,400.0	6,342.3	6,434.5	6,357.4	19.4	20.2	-146.93	12.8	550.0	128.4	95.9	32.50	3.949		
6,425.0	6,367.3	6,458.5	6,381.0	19.4	20.3	-148.52	13.3	554.5	125.3	93.2	32.13	3.901		
6,450.0	6,392.3	6,482.6	6,404.7	19.5	20.4	-150.12	13.9	558.8	122.5	90.8	31.75	3.859		
6,475.0	6,417.3	6,506.8	6,428.5	19.5	20.5	-151.75	14.4	563.0	119.9	88.6	31.36	3.824		
6,500.0	6,442.3	6,531.0	6,452.3	19.5	20.6	-153.38	14.9	567.1	117.5	86.5	30.96	3.795		
6,525.0	6,467.3	6,555.2	6,476.3	19.5	20.7	-155.02	15.4	571.0	115.3	84.7	30.55	3.773		
6,550.0	6,492.3	6,579.6	6,500.3	19.5	20.8	-156.65	15.9	574.8	113.2	83.1	30.15	3.755		
6,575.0	6,517.3	6,603.9	6,524.4	19.5	21.0	-158.28	16.3	578.4	111.3	81.6	29.74	3.743		
6,600.0	6,542.3	6,628.3	6,548.5	19.5	21.1	-159.89	16.8	581.9	109.6	80.3	29.35	3.736		
6,625.0	6,567.3	6,652.8	6,572.7	19.5	21.2	-161.48	17.2	585.2	108.1	79.1	28.96	3.732		
6,650.0	6,592.3	6,677.3	6,597.0	19.5	21.3	-163.04	17.6	588.4	106.7	78.1	28.59	3.732		
6,675.0	6,617.3	6,701.8	6,621.3	19.6	21.4	-164.56	18.0	591.5	105.4	77.2	28.23	3.735		
6,700.0	6,642.3	6,726.4	6,645.7	19.6	21.5	-166.03	18.3	594.3	104.3	76.4	27.90	3.740		
6,725.0	6,667.3	6,751.0	6,670.2	19.6	21.6	-167.46	18.7	597.1	103.4	75.8	27.59	3.746		
6,750.0	6,692.3	6,775.6	6,694.7	19.6	21.7	-168.83	19.0	599.7	102.5	75.2	27.30	3.754		
6,775.0	6,717.3	6,800.0	6,719.0	19.6	21.8	-170.13	19.3	602.1	101.7	74.7	27.04	3.762		
6,800.0	6,742.3	6,825.0	6,743.9	19.6	21.9	-171.39	19.6	604.4	101.1	74.3	26.81	3.770		
6,825.0	6,767.3	6,849.7	6,768.5	19.6	22.0	-172.56	19.9	606.5	100.5	73.9	26.61	3.778		
6,850.0	6,792.3	6,874.5	6,793.2	19.6	22.1	-173.65	20.1	608.4	100.0	73.6	26.43	3.785		
6,875.0	6,817.3	6,899.3	6,817.9	19.6	22.2	-174.67	20.3	610.3	99.6	73.3	26.27	3.791		
6,900.0	6,842.3	6,924.1	6,842.6	19.6	22.3	-175.61	20.5	611.9	99.3	73.1	26.14	3.797		
6,925.0	6,867.3	6,948.9	6,867.4	19.7	22.3	-176.46	20.7	613.4	99.0	72.9	26.04	3.801		
6,950.0	6,892.3	6,973.8	6,892.2	19.7	22.4	-177.23	20.9	614.7	98.7	72.8	25.95	3.804		
6,975.0	6,917.3	6,998.6	6,917.1	19.7	22.5	-177.90	21.0	615.9	98.5	72.6	25.89	3.806		
7,000.0	6,942.3	7,023.5	6,941.9	19.7	22.6	-178.49	21.2	616.9	98.4	72.5	25.84	3.807		
7,025.0	6,967.3	7,048.4	6,966.8	19.7	22.7	-178.98	21.3	617.8	98.2	72.4	25.81	3.807		
7,050.0	6,992.3	7,073.3	6,991.7	19.7	22.7	-179.38	21.4	618.4	98.2	72.4	25.79	3.806		
7,075.0	7,017.3	7,098.2	7,016.6	19.7	22.8	-179.69	21.4	619.0	98.1	72.3	25.79	3.803		
7,100.0	7,042.3	7,123.1	7,041.5	19.7	22.9	-179.91	21.5	619.3	98.0	72.2	25.79	3.801		
7,125.0	7,067.3	7,148.1	7,066.4	19.7	22.9	-179.97	21.5	619.6	98.0	72.2	25.81	3.797		
7,150.0	7,092.3	7,173.0	7,091.4	19.8	22.9	-179.94	21.5	619.6	98.0	72.2	25.84	3.793		
7,175.0	7,117.3	7,198.0	7,116.4	19.8	22.9	-179.94	21.5	619.6	98.0	72.1	25.86	3.790		
7,200.0	7,142.3	7,223.0	7,141.4	19.8	22.9	-179.94	21.5	619.6	98.0	72.1	25.89	3.785		
7,225.0	7,167.3	7,248.0	7,166.4	19.8	22.9	-179.94	21.5	619.6	98.0	72.1	25.93	3.780		
7,250.0	7,192.3	7,273.0	7,191.4	19.8	23.0	-179.94	21.5	619.6	98.0	72.0	25.96	3.775		
7,275.0	7,217.3	7,298.0	7,216.4	19.8	23.0	-179.94	21.5	619.6	98.0	72.0	26.00	3.769		
7,300.0	7,242.3	7,323.0	7,241.4	19.8	23.0	-179.94	21.5	619.6	98.0	72.0	26.03	3.764		
7,325.0	7,267.3	7,348.0	7,266.4	19.8	23.0	-179.94	21.5	619.6	98.0	71.9	26.07	3.759		
7,350.0	7,292.3	7,373.0	7,291.4	19.8	23.0	-179.94	21.5	619.6	98.0	71.9	26.10	3.754		
7,375.0	7,317.3	7,398.0	7,316.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.9	26.14	3.749		
7,400.0	7,342.3	7,423.0	7,341.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.8	26.17	3.744		
7,425.0	7,367.3	7,448.0	7,366.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.8	26.21	3.739		
7,450.0	7,392.3	7,473.0	7,391.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.8	26.24	3.734		
7,475.0	7,417.3	7,498.0	7,416.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.7	26.28	3.729		
7,500.0	7,442.3	7,523.0	7,441.4	19.9	23.0	-179.94	21.5	619.6	98.0	71.7	26.31	3.724		
7,525.0	7,467.3	7,548.0	7,466.4	19.9	23.1	-179.94	21.5	619.6	98.0	71.7	26.35	3.719		
7,550.0	7,492.3	7,573.0	7,491.4	19.9	23.1	-179.94	21.5	619.6	98.0	71.6	26.38	3.715		
7,575.0	7,517.3	7,598.0	7,516.4	19.9	23.1	-179.94	21.5	619.6	98.0	71.6	26.42	3.710		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Offset (usft)	Offset (usft)	Offset (usft)	Offset (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor
7,600.0	7,542.3	7,623.0	7,541.4	20.0	23.1	179.94	21.5	619.6	98.0	71.5	26.45	3.705	
7,625.0	7,567.3	7,648.0	7,566.4	20.0	23.1	179.94	21.5	619.6	98.0	71.5	26.49	3.700	
7,650.0	7,592.3	7,673.0	7,591.4	20.0	23.1	179.94	21.5	619.6	98.0	71.5	26.52	3.695	
7,675.0	7,617.3	7,698.0	7,616.4	20.0	23.1	179.94	21.5	619.6	98.0	71.4	26.56	3.690	
7,700.0	7,642.3	7,723.0	7,641.4	20.0	23.1	179.94	21.5	619.6	98.0	71.4	26.59	3.685	
7,725.0	7,667.3	7,748.0	7,666.4	20.0	23.1	179.94	21.5	619.6	98.0	71.4	26.63	3.680	
7,750.0	7,692.3	7,773.0	7,691.4	20.0	23.1	179.94	21.5	619.6	98.0	71.3	26.66	3.675	
7,775.0	7,717.3	7,798.0	7,716.4	20.0	23.1	179.94	21.5	619.6	98.0	71.3	26.70	3.671	
7,800.0	7,742.3	7,823.0	7,741.4	20.0	23.2	179.94	21.5	619.6	98.0	71.3	26.73	3.666	
7,825.0	7,767.3	7,848.0	7,766.4	20.1	23.2	179.94	21.5	619.6	98.0	71.2	26.77	3.661	
7,850.0	7,792.3	7,873.0	7,791.4	20.1	23.2	179.94	21.5	619.6	98.0	71.2	26.80	3.656	
7,875.0	7,817.3	7,898.0	7,816.4	20.1	23.2	179.94	21.5	619.6	98.0	71.2	26.84	3.651	
7,900.0	7,842.3	7,923.0	7,841.4	20.1	23.2	179.94	21.5	619.6	98.0	71.1	26.87	3.647	
7,925.0	7,867.3	7,948.0	7,866.4	20.1	23.2	179.94	21.5	619.6	98.0	71.1	26.91	3.642	
7,950.0	7,892.3	7,973.0	7,891.4	20.1	23.2	179.94	21.5	619.6	98.0	71.1	26.95	3.637	
7,975.0	7,917.3	7,998.0	7,916.4	20.1	23.2	179.94	21.5	619.6	98.0	71.0	26.98	3.632	
8,000.0	7,942.3	8,023.0	7,941.4	20.1	23.2	179.94	21.5	619.6	98.0	71.0	27.02	3.628	
8,025.0	7,967.3	8,048.0	7,966.4	20.1	23.2	179.94	21.5	619.6	98.0	70.9	27.05	3.623	
8,050.0	7,992.3	8,073.0	7,991.4	20.2	23.2	179.94	21.5	619.6	98.0	70.9	27.09	3.618	
8,075.0	8,017.3	8,098.0	8,016.4	20.2	23.3	179.94	21.5	619.6	98.0	70.9	27.12	3.613	
8,100.0	8,042.3	8,123.0	8,041.4	20.2	23.3	179.94	21.5	619.6	98.0	70.8	27.16	3.609	
8,125.0	8,067.3	8,148.0	8,066.4	20.2	23.3	179.94	21.5	619.6	98.0	70.8	27.19	3.604	
8,150.0	8,092.3	8,173.0	8,091.4	20.2	23.3	179.94	21.5	619.6	98.0	70.8	27.23	3.599	
8,175.0	8,117.3	8,198.0	8,116.4	20.2	23.3	179.94	21.5	619.6	98.0	70.7	27.26	3.595	
8,200.0	8,142.3	8,223.0	8,141.4	20.2	23.3	179.94	21.5	619.6	98.0	70.7	27.30	3.590	
8,225.0	8,167.3	8,248.0	8,166.4	20.2	23.3	179.94	21.5	619.6	98.0	70.7	27.33	3.585	
8,250.0	8,192.3	8,273.0	8,191.4	20.2	23.3	179.94	21.5	619.6	98.0	70.6	27.37	3.581	
8,275.0	8,217.3	8,298.0	8,216.4	20.3	23.3	179.94	21.5	619.6	98.0	70.6	27.40	3.576	
8,300.0	8,242.3	8,323.0	8,241.4	20.3	23.3	179.94	21.5	619.6	98.0	70.6	27.44	3.571	
8,325.0	8,267.3	8,348.0	8,266.4	20.3	23.3	179.94	21.5	619.6	98.0	70.5	27.48	3.567	
8,350.0	8,292.3	8,373.0	8,291.4	20.3	23.4	179.94	21.5	619.6	98.0	70.5	27.51	3.562	
8,375.0	8,317.3	8,398.0	8,316.4	20.3	23.4	179.94	21.5	619.6	98.0	70.5	27.55	3.558	
8,400.0	8,342.3	8,423.0	8,341.4	20.3	23.4	179.94	21.5	619.6	98.0	70.4	27.58	3.553	
8,425.0	8,367.3	8,448.0	8,366.4	20.3	23.4	179.94	21.5	619.6	98.0	70.4	27.62	3.548	
8,450.0	8,392.3	8,473.0	8,391.4	20.3	23.4	179.94	21.5	619.6	98.0	70.3	27.65	3.544	
8,475.0	8,417.3	8,498.0	8,416.4	20.3	23.4	179.94	21.5	619.6	98.0	70.3	27.69	3.539	
8,500.0	8,442.3	8,523.0	8,441.4	20.4	23.4	179.94	21.5	619.6	98.0	70.3	27.72	3.535	
8,525.0	8,467.3	8,548.0	8,466.4	20.4	23.4	179.94	21.5	619.6	98.0	70.2	27.76	3.530	
8,550.0	8,492.3	8,573.0	8,491.4	20.4	23.4	179.94	21.5	619.6	98.0	70.2	27.80	3.526	
8,575.0	8,517.3	8,598.0	8,516.4	20.4	23.4	179.94	21.5	619.6	98.0	70.2	27.83	3.521	
8,600.0	8,542.3	8,623.0	8,541.4	20.4	23.5	179.94	21.5	619.6	98.0	70.1	27.87	3.517	
8,625.0	8,567.3	8,648.0	8,566.4	20.4	23.5	179.94	21.5	619.6	98.0	70.1	27.90	3.512	
8,650.0	8,592.3	8,673.0	8,591.4	20.4	23.5	179.94	21.5	619.6	98.0	70.1	27.94	3.508	
8,675.0	8,617.3	8,698.0	8,616.4	20.4	23.5	179.94	21.5	619.6	98.0	70.0	27.97	3.503	
8,700.0	8,642.3	8,723.0	8,641.4	20.5	23.5	179.94	21.5	619.6	98.0	70.0	28.01	3.499	
8,725.0	8,667.3	8,748.0	8,666.4	20.5	23.5	179.94	21.5	619.6	98.0	70.0	28.05	3.494	
8,750.0	8,692.3	8,773.0	8,691.4	20.5	23.5	179.94	21.5	619.6	98.0	69.9	28.08	3.490	
8,775.0	8,717.3	8,798.0	8,716.4	20.5	23.5	179.94	21.5	619.6	98.0	69.9	28.12	3.485	
8,800.0	8,742.3	8,823.0	8,741.4	20.5	23.5	179.94	21.5	619.6	98.0	69.8	28.15	3.481	
8,825.0	8,767.3	8,848.0	8,766.4	20.5	23.5	179.94	21.5	619.6	98.0	69.8	28.19	3.477	
8,850.0	8,792.3	8,873.0	8,791.4	20.5	23.5	179.94	21.5	619.6	98.0	69.8	28.22	3.472	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
8,875.0	8,817.3	8,898.0	8,816.4	20.5	23.6	179.94	21.5	619.6	98.0	69.7	28.26	3.468	
8,900.0	8,842.3	8,923.0	8,841.4	20.5	23.6	179.94	21.5	619.6	98.0	69.7	28.30	3.463	
8,925.0	8,867.3	8,948.0	8,866.4	20.6	23.6	179.94	21.5	619.6	98.0	69.7	28.33	3.459	
8,950.0	8,892.3	8,973.0	8,891.4	20.6	23.6	179.94	21.5	619.6	98.0	69.6	28.37	3.455	
8,975.0	8,917.3	8,998.0	8,916.4	20.6	23.6	179.94	21.5	619.6	98.0	69.6	28.40	3.450	
9,000.0	8,942.3	9,023.0	8,941.4	20.6	23.6	179.94	21.5	619.6	98.0	69.6	28.44	3.446	
9,025.0	8,967.3	9,048.0	8,966.4	20.6	23.6	179.94	21.5	619.6	98.0	69.5	28.47	3.442	
9,050.0	8,992.3	9,073.0	8,991.4	20.6	23.6	179.94	21.5	619.6	98.0	69.5	28.51	3.437	
9,075.0	9,017.3	9,098.0	9,016.4	20.6	23.6	179.94	21.5	619.6	98.0	69.5	28.55	3.433	
9,100.0	9,042.3	9,123.0	9,041.4	20.6	23.6	179.94	21.5	619.6	98.0	69.4	28.58	3.429	
9,125.0	9,067.3	9,148.0	9,066.4	20.7	23.7	179.94	21.5	619.6	98.0	69.4	28.61	3.425	
9,150.0	9,092.3	9,173.0	9,091.4	20.7	23.7	179.94	21.5	619.6	98.0	69.4	28.65	3.421	
9,175.0	9,117.3	9,198.0	9,116.4	20.7	23.7	179.94	21.5	619.6	98.0	69.3	28.68	3.417	
9,179.3	9,121.5	9,202.3	9,120.6	20.7	23.7	179.94	21.5	619.6	98.0	69.3	28.68	3.417	CC, ES, SF
9,200.0	9,142.3	9,223.0	9,141.4	20.7	23.7	-179.99	21.5	619.6	98.5	69.7	28.71	3.429	
9,225.0	9,167.2	9,247.9	9,166.3	20.7	23.7	-179.99	21.5	619.6	100.2	71.5	28.74	3.486	
9,250.0	9,192.0	9,272.7	9,191.1	20.7	23.7	-179.99	21.5	619.6	103.2	74.5	28.77	3.589	
9,275.0	9,216.6	9,297.4	9,215.7	20.7	23.7	-179.99	21.5	619.6	107.6	78.8	28.80	3.735	
9,300.0	9,241.0	9,321.7	9,240.1	20.7	23.7	-179.99	21.5	619.6	113.2	84.4	28.83	3.926	
9,325.0	9,265.0	9,345.7	9,264.1	20.7	23.7	-179.99	21.5	619.6	120.1	91.2	28.86	4.160	
9,350.0	9,288.7	9,369.4	9,287.8	20.7	23.7	-179.99	21.5	619.6	128.2	99.3	28.89	4.437	
9,375.0	9,311.8	9,392.6	9,310.9	20.7	23.8	-179.99	21.5	619.6	137.6	108.6	28.92	4.756	
9,400.0	9,334.5	9,415.2	9,333.6	20.7	23.8	-179.99	21.5	619.6	148.1	119.2	28.96	5.115	
9,425.0	9,356.6	9,437.3	9,355.7	20.7	23.8	-179.99	21.5	619.6	159.9	130.9	28.99	5.514	
9,450.0	9,378.0	9,458.7	9,377.1	20.7	23.8	-179.99	21.5	619.6	172.7	143.7	29.02	5.951	
9,475.0	9,398.7	9,479.4	9,397.8	20.7	23.8	-179.99	21.5	619.6	186.7	157.6	29.06	6.425	
9,500.0	9,418.7	9,499.4	9,417.8	20.7	23.8	-179.99	21.5	619.6	201.7	172.6	29.09	6.935	
9,525.0	9,437.9	9,518.6	9,437.0	20.7	23.8	-179.99	21.5	619.6	217.8	188.7	29.12	7.479	
9,550.0	9,456.1	9,536.8	9,455.2	20.7	23.8	-179.99	21.5	619.6	234.8	205.7	29.15	8.055	
9,575.0	9,473.5	9,554.2	9,472.6	20.7	23.8	-180.00	21.5	619.6	252.8	223.6	29.19	8.662	
9,600.0	9,489.9	9,570.6	9,489.0	20.7	23.8	-180.00	21.5	619.6	271.7	242.5	29.22	9.299	
9,625.0	9,505.3	9,586.0	9,504.4	20.8	23.8	-180.00	21.5	619.6	291.4	262.1	29.25	9.963	
9,650.0	9,519.6	9,600.4	9,518.7	20.8	23.8	-180.00	21.5	619.6	311.9	282.6	29.27	10.653	
9,675.0	9,532.9	9,613.6	9,532.0	20.8	23.8	-180.00	21.5	619.6	333.0	303.7	29.30	11.366	
9,700.0	9,545.0	9,625.7	9,544.1	20.8	23.8	-179.99	21.5	619.6	354.9	325.6	29.33	12.102	
9,725.0	9,556.0	9,636.7	9,555.1	20.8	23.9	-179.99	21.5	619.6	377.4	348.0	29.35	12.857	
9,750.0	9,565.8	9,646.5	9,564.9	20.8	23.9	-179.99	21.5	619.6	400.4	371.0	29.37	13.631	
9,775.0	9,574.3	9,655.0	9,573.4	20.9	23.9	-179.99	21.5	619.6	423.9	394.5	29.39	14.421	
9,800.0	9,581.6	9,662.3	9,580.7	20.9	23.9	-179.99	21.5	619.6	447.8	418.4	29.41	15.225	
9,825.0	9,587.7	9,668.4	9,586.8	20.9	23.9	-179.99	21.5	619.6	472.0	442.6	29.43	16.041	
9,850.0	9,592.4	9,673.2	9,591.5	20.9	23.9	-179.99	21.5	619.6	496.6	467.1	29.44	16.867	
9,875.0	9,595.9	9,676.6	9,595.0	21.0	23.9	-179.99	21.5	619.6	521.3	491.9	29.45	17.701	
9,900.0	9,598.1	9,678.8	9,597.2	21.0	23.9	-179.97	21.5	619.6	546.2	516.8	29.46	18.541	
9,925.0	9,599.0	9,679.7	9,598.1	21.0	23.9	-179.84	21.5	619.6	571.2	541.7	29.47	19.384	
9,925.6	9,599.0	9,679.7	9,598.1	21.0	23.9	-179.81	21.5	619.6	571.8	542.3	29.47	19.404	
9,950.0	9,599.2	9,679.9	9,598.3	21.1	23.9	-179.82	21.5	619.6	596.2	566.7	29.47	20.229	
9,975.0	9,599.4	9,680.1	9,598.5	21.1	23.9	-179.82	21.5	619.6	621.2	591.7	29.48	21.074	
10,000.0	9,599.6	9,680.3	9,598.7	21.1	23.9	-179.83	21.5	619.6	646.2	616.7	29.48	21.919	
10,025.0	9,599.8	9,680.5	9,598.9	21.2	23.9	-179.84	21.5	619.6	671.2	641.7	29.49	22.763	
10,050.0	9,600.0	9,680.7	9,599.1	21.2	23.9	-179.84	21.5	619.6	696.2	666.7	29.49	23.606	
10,075.0	9,600.2	9,680.9	9,599.3	21.3	23.9	-179.85	21.5	619.6	721.2	691.7	29.50	24.450	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
10,100.0	9,600.3	9,681.1	9,599.4	21.3	23.9	-179.85	21.5	619.6	746.2	716.7	29.50	25.293	
10,125.0	9,600.5	9,681.3	9,599.6	21.4	23.9	-179.86	21.5	619.6	771.2	741.7	29.51	26.135	
10,150.0	9,600.7	9,681.4	9,599.8	21.5	23.9	-179.86	21.5	619.6	796.2	766.7	29.51	26.977	
10,175.0	9,600.9	9,681.6	9,600.0	21.5	23.9	-179.87	21.5	619.6	821.2	791.7	29.52	27.818	
10,200.0	9,601.1	9,681.8	9,600.2	21.6	23.9	-179.87	21.5	619.6	846.2	816.7	29.53	28.659	
10,225.0	9,601.3	9,682.0	9,600.4	21.6	23.9	-179.88	21.5	619.6	871.2	841.7	29.53	29.500	
10,250.0	9,601.5	9,682.2	9,600.6	21.7	23.9	-179.88	21.5	619.6	896.2	866.7	29.54	30.340	
10,275.0	9,601.7	9,682.4	9,600.8	21.8	23.9	-179.88	21.5	619.6	921.2	891.6	29.54	31.179	
10,300.0	9,601.9	9,682.6	9,601.0	21.8	23.9	-179.89	21.5	619.6	946.2	916.6	29.55	32.019	
10,325.0	9,602.1	11,387.5	10,553.8	21.9	25.4	-180.00	983.3	618.5	952.7	912.7	39.98	23.828	
10,350.0	9,602.3	11,412.5	10,554.1	22.0	25.5	-180.00	1,008.3	618.4	952.7	912.7	40.03	23.801	
10,375.0	9,602.5	11,437.5	10,554.3	22.1	25.5	-180.00	1,033.3	618.4	952.8	912.7	40.08	23.773	
10,400.0	9,602.7	11,462.5	10,554.6	22.1	25.6	-180.00	1,058.3	618.4	952.8	912.7	40.13	23.745	
10,425.0	9,602.9	11,487.5	10,554.8	22.2	25.7	-180.00	1,083.3	618.4	952.9	912.7	40.18	23.716	
10,450.0	9,603.1	11,512.5	10,555.0	22.3	25.8	-180.00	1,108.3	618.3	952.9	912.7	40.23	23.686	
10,475.0	9,603.3	11,537.5	10,555.3	22.4	25.8	-180.00	1,133.3	618.3	953.0	912.7	40.29	23.655	
10,500.0	9,603.4	11,562.5	10,555.5	22.5	25.9	-180.00	1,158.3	618.3	953.0	912.7	40.34	23.625	
10,525.0	9,603.6	11,587.5	10,555.8	22.6	26.0	-180.00	1,183.3	618.2	953.1	912.7	40.40	23.593	
10,550.0	9,603.8	11,612.5	10,556.0	22.6	26.1	-180.00	1,208.3	618.2	953.1	912.7	40.46	23.561	
10,575.0	9,604.0	11,637.5	10,556.3	22.7	26.2	-180.00	1,233.3	618.2	953.2	912.7	40.51	23.528	
10,600.0	9,604.2	11,662.5	10,556.5	22.8	26.3	-180.00	1,258.3	618.2	953.3	912.7	40.57	23.495	
10,625.0	9,604.4	11,687.5	10,556.8	22.9	26.3	-180.00	1,283.3	618.1	953.3	912.7	40.63	23.461	
10,650.0	9,604.6	11,712.5	10,557.0	23.0	26.4	-180.00	1,308.3	618.1	953.4	912.7	40.70	23.426	
10,675.0	9,604.8	11,737.5	10,557.3	23.1	26.5	-180.00	1,333.3	618.1	953.4	912.7	40.76	23.391	
10,700.0	9,605.0	11,762.5	10,557.5	23.2	26.6	-180.00	1,358.3	618.0	953.5	912.6	40.82	23.356	
10,725.0	9,605.2	11,787.5	10,557.8	23.3	26.7	-180.00	1,383.3	618.0	953.5	912.6	40.89	23.319	
10,750.0	9,605.4	11,812.5	10,558.0	23.4	26.8	-180.00	1,408.3	618.0	953.6	912.6	40.96	23.282	
10,775.0	9,605.6	11,837.5	10,558.2	23.5	26.9	-180.00	1,433.3	617.9	953.6	912.6	41.02	23.245	
10,800.0	9,605.8	11,862.5	10,558.5	23.6	27.0	-180.00	1,458.3	617.9	953.7	912.6	41.09	23.208	
10,825.0	9,606.0	11,887.5	10,558.7	23.7	27.1	-180.00	1,483.3	617.9	953.7	912.6	41.16	23.169	
10,850.0	9,606.2	11,912.5	10,559.0	23.8	27.2	-180.00	1,508.3	617.9	953.8	912.5	41.23	23.131	
10,875.0	9,606.3	11,937.5	10,559.2	23.9	27.3	-180.00	1,533.3	617.8	953.8	912.5	41.31	23.091	
10,900.0	9,606.5	11,962.5	10,559.5	24.1	27.4	-180.00	1,558.3	617.8	953.9	912.5	41.38	23.052	
10,925.0	9,606.7	11,987.5	10,559.7	24.2	27.5	-180.00	1,583.3	617.8	953.9	912.5	41.45	23.012	
10,950.0	9,606.9	12,012.5	10,560.0	24.3	27.6	-180.00	1,608.3	617.7	954.0	912.5	41.53	22.971	
10,975.0	9,607.1	12,037.5	10,560.2	24.4	27.7	-180.00	1,633.3	617.7	954.0	912.4	41.61	22.930	
11,000.0	9,607.3	12,062.5	10,560.5	24.5	27.8	-180.00	1,658.3	617.7	954.1	912.4	41.68	22.889	
11,025.0	9,607.5	12,087.5	10,560.7	24.6	27.9	-180.00	1,683.3	617.7	954.2	912.4	41.76	22.847	
11,050.0	9,607.7	12,112.5	10,561.0	24.7	28.0	-180.00	1,708.3	617.6	954.2	912.4	41.84	22.804	
11,075.0	9,607.9	12,137.5	10,561.2	24.9	28.2	-180.00	1,733.3	617.6	954.3	912.3	41.92	22.761	
11,100.0	9,608.1	12,162.5	10,561.5	25.0	28.3	-180.00	1,758.3	617.6	954.3	912.3	42.01	22.719	
11,125.0	9,608.3	12,187.5	10,561.7	25.1	28.4	-180.00	1,783.3	617.5	954.4	912.3	42.09	22.675	
11,150.0	9,608.5	12,212.5	10,561.9	25.2	28.5	-180.00	1,808.3	617.5	954.4	912.2	42.17	22.631	
11,175.0	9,608.7	12,237.5	10,562.2	25.4	28.6	-180.00	1,833.3	617.5	954.5	912.2	42.26	22.586	
11,200.0	9,608.9	12,262.5	10,562.4	25.5	28.7	-180.00	1,858.3	617.5	954.5	912.2	42.34	22.542	
11,225.0	9,609.1	12,287.5	10,562.7	25.6	28.9	-180.00	1,883.3	617.4	954.6	912.1	42.43	22.497	
11,250.0	9,609.2	12,312.5	10,562.9	25.7	29.0	-180.00	1,908.3	617.4	954.6	912.1	42.52	22.451	
11,275.0	9,609.4	12,337.5	10,563.2	25.9	29.1	-180.00	1,933.3	617.4	954.7	912.1	42.61	22.406	
11,300.0	9,609.6	12,362.5	10,563.4	26.0	29.2	-180.00	1,958.3	617.3	954.7	912.0	42.70	22.360	
11,325.0	9,609.8	12,387.5	10,563.7	26.1	29.3	-180.00	1,983.3	617.3	954.8	912.0	42.79	22.313	
11,350.0	9,610.0	12,412.5	10,563.9	26.3	29.5	-180.00	2,008.2	617.3	954.8	912.0	42.88	22.266	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	
11,375.0	9,610.2	12,437.5	10,564.2	26.4	29.6	-180.00	2,033.2	617.2	954.9	911.9	42.98	22.219
11,400.0	9,610.4	12,462.5	10,564.4	26.5	29.7	-180.00	2,058.2	617.2	954.9	911.9	43.07	22.172
11,425.0	9,610.6	12,487.5	10,564.7	26.7	29.8	-180.00	2,083.2	617.2	955.0	911.8	43.16	22.125
11,450.0	9,610.8	12,512.5	10,564.9	26.8	30.0	-180.00	2,108.2	617.2	955.0	911.8	43.26	22.077
11,475.0	9,611.0	12,537.5	10,565.1	27.0	30.1	-180.00	2,133.2	617.1	955.1	911.7	43.36	22.028
11,500.0	9,611.2	12,562.5	10,565.4	27.1	30.2	-180.00	2,158.2	617.1	955.2	911.7	43.46	21.980
11,525.0	9,611.4	12,587.5	10,565.6	27.2	30.4	-180.00	2,183.2	617.1	955.2	911.7	43.55	21.931
11,550.0	9,611.6	12,612.5	10,565.9	27.4	30.5	-180.00	2,208.2	617.0	955.3	911.6	43.65	21.882
11,575.0	9,611.8	12,637.5	10,566.1	27.5	30.6	-180.00	2,233.2	617.0	955.3	911.6	43.76	21.833
11,600.0	9,612.0	12,662.5	10,566.4	27.7	30.8	-180.00	2,258.2	617.0	955.4	911.5	43.86	21.784
11,625.0	9,612.1	12,687.5	10,566.6	27.8	30.9	-180.00	2,283.2	617.0	955.4	911.5	43.96	21.734
11,650.0	9,612.3	12,712.5	10,566.9	28.0	31.0	-180.00	2,308.2	616.9	955.5	911.4	44.06	21.684
11,675.0	9,612.5	12,737.5	10,567.1	28.1	31.2	-180.00	2,333.2	616.9	955.5	911.4	44.17	21.634
11,700.0	9,612.7	12,762.5	10,567.4	28.3	31.3	-180.00	2,358.2	616.9	955.6	911.3	44.27	21.584
11,725.0	9,612.9	12,787.5	10,567.6	28.4	31.5	-180.00	2,383.2	616.8	955.6	911.3	44.38	21.534
11,750.0	9,613.1	12,812.5	10,567.9	28.5	31.6	-180.00	2,408.2	616.8	955.7	911.2	44.49	21.483
11,775.0	9,613.3	12,837.5	10,568.1	28.7	31.7	-180.00	2,433.2	616.8	955.7	911.1	44.59	21.432
11,800.0	9,613.5	12,862.5	10,568.3	28.8	31.9	-180.00	2,458.2	616.8	955.8	911.1	44.70	21.381
11,825.0	9,613.7	12,887.5	10,568.6	29.0	32.0	-180.00	2,483.2	616.7	955.8	911.0	44.81	21.330
11,850.0	9,613.9	12,912.5	10,568.8	29.2	32.2	-180.00	2,508.2	616.7	955.9	911.0	44.92	21.279
11,875.0	9,614.1	12,937.5	10,569.1	29.3	32.3	-180.00	2,533.2	616.7	955.9	910.9	45.03	21.227
11,900.0	9,614.3	12,962.5	10,569.3	29.5	32.5	-180.00	2,558.2	616.6	956.0	910.9	45.15	21.176
11,925.0	9,614.5	12,987.5	10,569.6	29.6	32.6	-180.00	2,583.2	616.6	956.1	910.8	45.26	21.124
11,950.0	9,614.7	13,012.5	10,569.8	29.8	32.7	-180.00	2,608.2	616.6	956.1	910.7	45.37	21.072
11,975.0	9,614.9	13,037.5	10,570.1	29.9	32.9	-180.00	2,633.2	616.5	956.2	910.7	45.49	21.020
12,000.0	9,615.1	13,062.5	10,570.3	30.1	33.0	-180.00	2,658.2	616.5	956.2	910.6	45.60	20.968
12,025.0	9,615.2	13,087.5	10,570.6	30.2	33.2	-180.00	2,683.2	616.5	956.3	910.5	45.72	20.916
12,050.0	9,615.4	13,112.5	10,570.8	30.4	33.3	-180.00	2,708.2	616.5	956.3	910.5	45.84	20.863
12,075.0	9,615.6	13,137.5	10,571.1	30.6	33.5	-180.00	2,733.2	616.4	956.4	910.4	45.96	20.811
12,100.0	9,615.8	13,162.5	10,571.3	30.7	33.6	-180.00	2,758.2	616.4	956.4	910.3	46.07	20.759
12,125.0	9,616.0	13,187.5	10,571.5	30.9	33.8	-180.00	2,783.2	616.4	956.5	910.3	46.19	20.706
12,150.0	9,616.2	13,212.5	10,571.8	31.0	33.9	-180.00	2,808.2	616.3	956.5	910.2	46.31	20.653
12,175.0	9,616.4	13,237.5	10,572.0	31.2	34.1	-180.00	2,833.2	616.3	956.6	910.1	46.44	20.600
12,200.0	9,616.6	13,262.5	10,572.3	31.4	34.2	-180.00	2,858.2	616.3	956.6	910.1	46.56	20.548
12,225.0	9,616.8	13,287.5	10,572.5	31.5	34.4	-180.00	2,883.2	616.3	956.7	910.0	46.68	20.495
12,250.0	9,617.0	13,312.5	10,572.8	31.7	34.6	-180.00	2,908.2	616.2	956.7	909.9	46.80	20.442
12,275.0	9,617.2	13,337.5	10,573.0	31.9	34.7	-180.00	2,933.2	616.2	956.8	909.9	46.93	20.389
12,300.0	9,617.4	13,362.5	10,573.3	32.0	34.9	-180.00	2,958.2	616.2	956.8	909.8	47.05	20.336
12,325.0	9,617.6	13,387.5	10,573.5	32.2	35.0	-180.00	2,983.2	616.1	956.9	909.7	47.18	20.283
12,350.0	9,617.8	13,412.5	10,573.8	32.4	35.2	-180.00	3,008.2	616.1	957.0	909.6	47.30	20.230
12,375.0	9,618.0	13,437.5	10,574.0	32.5	35.3	-180.00	3,033.2	616.1	957.0	909.6	47.43	20.176
12,400.0	9,618.1	13,462.5	10,574.3	32.7	35.5	-180.00	3,058.2	616.1	957.1	909.5	47.56	20.123
12,425.0	9,618.3	13,487.5	10,574.5	32.9	35.7	-180.00	3,083.2	616.0	957.1	909.4	47.69	20.070
12,450.0	9,618.5	13,512.5	10,574.7	33.0	35.8	-180.00	3,108.2	616.0	957.2	909.3	47.82	20.017
12,475.0	9,618.7	13,537.5	10,575.0	33.2	36.0	-180.00	3,133.2	616.0	957.2	909.3	47.95	19.964
12,500.0	9,618.9	13,562.5	10,575.2	33.4	36.1	-180.00	3,158.2	615.9	957.3	909.2	48.08	19.911
12,525.0	9,619.1	13,587.5	10,575.5	33.5	36.3	-180.00	3,183.2	615.9	957.3	909.1	48.21	19.858
12,550.0	9,619.3	13,612.5	10,575.7	33.7	36.5	-180.00	3,208.2	615.9	957.4	909.0	48.34	19.804
12,575.0	9,619.5	13,637.5	10,576.0	33.9	36.6	-180.00	3,233.2	615.8	957.4	909.0	48.47	19.751
12,600.0	9,619.7	13,662.5	10,576.2	34.0	36.8	-180.00	3,258.2	615.8	957.5	908.9	48.61	19.698
12,625.0	9,619.9	13,687.5	10,576.5	34.2	36.9	-180.00	3,283.2	615.8	957.5	908.8	48.74	19.645

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor
12,650.0	9,620.1	13,712.5	10,576.7	34.4	37.1	-180.00	3,308.2	615.8	957.6	908.7	48.88	19.592
12,675.0	9,620.3	13,737.5	10,577.0	34.6	37.3	-180.00	3,333.2	615.7	957.6	908.6	49.01	19.539
12,700.0	9,620.5	13,762.5	10,577.2	34.7	37.4	-180.00	3,358.2	615.7	957.7	908.5	49.15	19.486
12,725.0	9,620.7	13,787.5	10,577.5	34.9	37.6	-180.00	3,383.2	615.7	957.7	908.5	49.28	19.433
12,750.0	9,620.9	13,812.5	10,577.7	35.1	37.8	-180.00	3,408.2	615.6	957.8	908.4	49.42	19.380
12,775.0	9,621.0	13,837.5	10,577.9	35.3	37.9	-180.00	3,433.2	615.6	957.8	908.3	49.56	19.327
12,800.0	9,621.2	13,862.5	10,578.2	35.4	38.1	-180.00	3,458.2	615.6	957.9	908.2	49.70	19.274
12,825.0	9,621.4	13,887.5	10,578.4	35.6	38.3	-180.00	3,483.2	615.6	958.0	908.1	49.84	19.221
12,850.0	9,621.6	13,912.5	10,578.7	35.8	38.4	-180.00	3,508.2	615.5	958.0	908.0	49.98	19.168
12,875.0	9,621.8	13,937.5	10,578.9	36.0	38.6	-180.00	3,533.2	615.5	958.1	907.9	50.12	19.116
12,900.0	9,622.0	13,962.5	10,579.2	36.1	38.8	-180.00	3,558.2	615.5	958.1	907.9	50.26	19.063
12,925.0	9,622.2	13,987.5	10,579.4	36.3	38.9	-180.00	3,583.2	615.4	958.2	907.8	50.40	19.011
12,950.0	9,622.4	14,012.5	10,579.7	36.5	39.1	-180.00	3,608.2	615.4	958.2	907.7	50.54	18.958
12,975.0	9,622.6	14,037.5	10,579.9	36.7	39.3	-180.00	3,633.2	615.4	958.3	907.6	50.69	18.906
13,000.0	9,622.8	14,062.5	10,580.2	36.8	39.5	-180.00	3,658.2	615.3	958.3	907.5	50.83	18.853
13,025.0	9,623.0	14,087.5	10,580.4	37.0	39.6	-180.00	3,683.2	615.3	958.4	907.4	50.97	18.801
13,050.0	9,623.2	14,112.5	10,580.7	37.2	39.8	-180.00	3,708.2	615.3	958.4	907.3	51.12	18.749
13,075.0	9,623.4	14,137.5	10,580.9	37.4	40.0	-180.00	3,733.2	615.3	958.5	907.2	51.26	18.697
13,100.0	9,623.6	14,162.5	10,581.2	37.6	40.1	-180.00	3,758.2	615.2	958.5	907.1	51.41	18.645
13,125.0	9,623.8	14,187.5	10,581.4	37.7	40.3	-180.00	3,783.2	615.2	958.6	907.0	51.56	18.593
13,150.0	9,623.9	14,212.5	10,581.6	37.9	40.5	-180.00	3,808.2	615.2	958.6	906.9	51.70	18.541
13,175.0	9,624.1	14,237.5	10,581.9	38.1	40.7	-180.00	3,833.2	615.1	958.7	906.8	51.85	18.489
13,200.0	9,624.3	14,262.5	10,582.1	38.3	40.8	-180.00	3,858.2	615.1	958.7	906.7	52.00	18.438
13,225.0	9,624.5	14,287.5	10,582.4	38.5	41.0	-180.00	3,883.2	615.1	958.8	906.7	52.15	18.386
13,250.0	9,624.7	14,312.5	10,582.6	38.7	41.2	-180.00	3,908.2	615.1	958.9	906.6	52.30	18.335
13,275.0	9,624.9	14,337.5	10,582.9	38.8	41.4	-180.00	3,933.2	615.0	958.9	906.5	52.45	18.283
13,300.0	9,625.1	14,362.5	10,583.1	39.0	41.5	-180.00	3,958.1	615.0	959.0	906.4	52.60	18.232
13,325.0	9,625.3	14,387.5	10,583.4	39.2	41.7	-180.00	3,983.1	615.0	959.0	906.3	52.75	18.181
13,350.0	9,625.5	14,412.5	10,583.6	39.4	41.9	-180.00	4,008.1	614.9	959.1	906.2	52.90	18.130
13,375.0	9,625.7	14,437.5	10,583.9	39.6	42.1	-180.00	4,033.1	614.9	959.1	906.1	53.05	18.079
13,400.0	9,625.9	14,462.5	10,584.1	39.8	42.2	-180.00	4,058.1	614.9	959.2	906.0	53.20	18.028
13,425.0	9,626.1	14,487.5	10,584.4	39.9	42.4	-180.00	4,083.1	614.9	959.2	905.9	53.36	17.978
13,450.0	9,626.3	14,512.5	10,584.6	40.1	42.6	-180.00	4,108.1	614.8	959.3	905.8	53.51	17.927
13,475.0	9,626.5	14,537.5	10,584.8	40.3	42.8	-180.00	4,133.1	614.8	959.3	905.7	53.66	17.877
13,500.0	9,626.7	14,562.5	10,585.1	40.5	42.9	-180.00	4,158.1	614.8	959.4	905.6	53.82	17.826
13,525.0	9,626.8	14,587.5	10,585.3	40.7	43.1	-180.00	4,183.1	614.7	959.4	905.5	53.97	17.776
13,550.0	9,627.0	14,612.5	10,585.6	40.9	43.3	-180.00	4,208.1	614.7	959.5	905.4	54.13	17.726
13,575.0	9,627.2	14,637.5	10,585.8	41.0	43.5	-180.00	4,233.1	614.7	959.5	905.3	54.28	17.676
13,600.0	9,627.4	14,662.5	10,586.1	41.2	43.7	-180.00	4,258.1	614.6	959.6	905.2	54.44	17.626
13,625.0	9,627.6	14,687.5	10,586.3	41.4	43.8	-180.00	4,283.1	614.6	959.6	905.0	54.60	17.577
13,650.0	9,627.8	14,712.5	10,586.6	41.6	44.0	-180.00	4,308.1	614.6	959.7	904.9	54.75	17.527
13,675.0	9,628.0	14,737.5	10,586.8	41.8	44.2	-180.00	4,333.1	614.6	959.8	904.8	54.91	17.478
13,700.0	9,628.2	14,762.5	10,587.1	42.0	44.4	-180.00	4,358.1	614.5	959.8	904.7	55.07	17.429
13,725.0	9,628.4	14,787.5	10,587.3	42.2	44.6	-180.00	4,383.1	614.5	959.9	904.6	55.23	17.379
13,750.0	9,628.6	14,812.5	10,587.6	42.4	44.7	-180.00	4,408.1	614.5	959.9	904.5	55.39	17.330
13,775.0	9,628.8	14,837.5	10,587.8	42.5	44.9	-180.00	4,433.1	614.4	960.0	904.4	55.55	17.282
13,800.0	9,629.0	14,862.5	10,588.0	42.7	45.1	-180.00	4,458.1	614.4	960.0	904.3	55.71	17.233
13,825.0	9,629.2	14,887.5	10,588.3	42.9	45.3	-180.00	4,483.1	614.4	960.1	904.2	55.87	17.184
13,850.0	9,629.4	14,912.5	10,588.5	43.1	45.5	-180.00	4,508.1	614.4	960.1	904.1	56.03	17.136
13,875.0	9,629.6	14,937.5	10,588.8	43.3	45.7	-180.00	4,533.1	614.3	960.2	904.0	56.19	17.088
13,900.0	9,629.8	14,962.5	10,589.0	43.5	45.8	-180.00	4,558.1	614.3	960.2	903.9	56.35	17.040

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Reference	Depth (usft)	Vertical Depth (usft)	Reference	Offset	Offset	Offset	Offset	Offset	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
13,925.0	9,629.9	14,987.5	10,589.3	43.7	46.0	-180.00	4,583.1	614.3	960.3	903.8	56.51	16.992	
13,950.0	9,630.1	15,012.5	10,589.5	43.9	46.2	-180.00	4,608.1	614.2	960.3	903.7	56.68	16.944	
13,975.0	9,630.3	15,037.5	10,589.8	44.1	46.4	-180.00	4,633.1	614.2	960.4	903.5	56.84	16.896	
14,000.0	9,630.5	15,062.5	10,590.0	44.2	46.6	-180.00	4,658.1	614.2	960.4	903.4	57.00	16.849	
14,025.0	9,630.7	15,087.5	10,590.3	44.4	46.8	-180.00	4,683.1	614.2	960.5	903.3	57.17	16.801	
14,050.0	9,630.9	15,112.5	10,590.5	44.6	46.9	-180.00	4,708.1	614.1	960.5	903.2	57.33	16.754	
14,075.0	9,631.1	15,137.5	10,590.8	44.8	47.1	-180.00	4,733.1	614.1	960.6	903.1	57.50	16.707	
14,100.0	9,631.3	15,162.5	10,591.0	45.0	47.3	-180.00	4,758.1	614.1	960.6	903.0	57.66	16.660	
14,125.0	9,631.5	15,187.5	10,591.2	45.2	47.5	-180.00	4,783.1	614.0	960.7	902.9	57.83	16.613	
14,150.0	9,631.7	15,212.5	10,591.5	45.4	47.7	-180.00	4,808.1	614.0	960.8	902.8	57.99	16.567	
14,175.0	9,631.9	15,237.5	10,591.7	45.6	47.9	-180.00	4,833.1	614.0	960.8	902.6	58.16	16.520	
14,200.0	9,632.1	15,262.5	10,592.0	45.8	48.0	-180.00	4,858.1	613.9	960.9	902.5	58.33	16.474	
14,225.0	9,632.3	15,287.5	10,592.2	46.0	48.2	-180.00	4,883.1	613.9	960.9	902.4	58.49	16.428	
14,250.0	9,632.5	15,312.5	10,592.5	46.2	48.4	-180.00	4,908.1	613.9	961.0	902.3	58.66	16.382	
14,275.0	9,632.7	15,337.5	10,592.7	46.4	48.6	-180.00	4,933.1	613.9	961.0	902.2	58.83	16.336	
14,300.0	9,632.8	15,362.5	10,593.0	46.5	48.8	-180.00	4,958.1	613.8	961.1	902.1	59.00	16.290	
14,325.0	9,633.0	15,387.5	10,593.2	46.7	49.0	-180.00	4,983.1	613.8	961.1	902.0	59.17	16.245	
14,350.0	9,633.2	15,412.5	10,593.5	46.9	49.2	-180.00	5,008.1	613.8	961.2	901.8	59.33	16.199	
14,375.0	9,633.4	15,437.5	10,593.7	47.1	49.4	-180.00	5,033.1	613.7	961.2	901.7	59.50	16.154	
14,400.0	9,633.6	15,462.5	10,594.0	47.3	49.5	-180.00	5,058.1	613.7	961.3	901.6	59.67	16.109	
14,425.0	9,633.8	15,487.5	10,594.2	47.5	49.7	-180.00	5,083.1	613.7	961.3	901.5	59.84	16.064	
14,450.0	9,634.0	15,512.5	10,594.4	47.7	49.9	-180.00	5,108.1	613.7	961.4	901.4	60.01	16.019	
14,475.0	9,634.2	15,537.5	10,594.7	47.9	50.1	-180.00	5,133.1	613.6	961.4	901.3	60.18	15.975	
14,500.0	9,634.4	15,562.5	10,594.9	48.1	50.3	-180.00	5,158.1	613.6	961.5	901.1	60.36	15.930	
14,525.0	9,634.6	15,587.5	10,595.2	48.3	50.5	-180.00	5,183.1	613.6	961.5	901.0	60.53	15.886	
14,550.0	9,634.8	15,612.5	10,595.4	48.5	50.7	-180.00	5,208.1	613.5	961.6	900.9	60.70	15.842	
14,575.0	9,635.0	15,637.5	10,595.7	48.7	50.9	-180.00	5,233.1	613.5	961.7	900.8	60.87	15.798	
14,600.0	9,635.2	15,662.5	10,595.9	48.9	51.1	-180.00	5,258.1	613.5	961.7	900.7	61.04	15.754	
14,625.0	9,635.4	15,687.5	10,596.2	49.1	51.2	-180.00	5,283.1	613.5	961.8	900.5	61.22	15.711	
14,650.0	9,635.6	15,712.5	10,596.4	49.3	51.4	-180.00	5,308.1	613.4	961.8	900.4	61.39	15.667	
14,675.0	9,635.7	15,737.5	10,596.7	49.5	51.6	-180.00	5,333.1	613.4	961.9	900.3	61.56	15.624	
14,700.0	9,635.9	15,762.5	10,596.9	49.6	51.8	-180.00	5,358.1	613.4	961.9	900.2	61.74	15.581	
14,725.0	9,636.1	15,787.5	10,597.2	49.8	52.0	-180.00	5,383.1	613.3	962.0	900.1	61.91	15.538	
14,750.0	9,636.3	15,812.5	10,597.4	50.0	52.2	-180.00	5,408.1	613.3	962.0	899.9	62.09	15.495	
14,775.0	9,636.5	15,837.5	10,597.6	50.2	52.4	-180.00	5,433.1	613.3	962.1	899.8	62.26	15.452	
14,800.0	9,636.7	15,862.5	10,597.9	50.4	52.6	-180.00	5,458.1	613.2	962.1	899.7	62.44	15.410	
14,825.0	9,636.9	15,887.5	10,598.1	50.6	52.8	-180.00	5,483.1	613.2	962.2	899.6	62.61	15.368	
14,850.0	9,637.1	15,912.5	10,598.4	50.8	53.0	-180.00	5,508.1	613.2	962.2	899.4	62.79	15.325	
14,875.0	9,637.3	15,937.5	10,598.6	51.0	53.1	-180.00	5,533.1	613.2	962.3	899.3	62.96	15.283	
14,900.0	9,637.5	15,962.5	10,598.9	51.2	53.3	-180.00	5,558.1	613.1	962.3	899.2	63.14	15.242	
14,925.0	9,637.7	15,987.5	10,599.1	51.4	53.5	-180.00	5,583.1	613.1	962.4	899.1	63.32	15.200	
14,950.0	9,637.9	16,012.5	10,599.4	51.6	53.7	-180.00	5,608.1	613.1	962.4	899.0	63.49	15.158	
14,975.0	9,638.1	16,037.5	10,599.6	51.8	53.9	-180.00	5,633.1	613.0	962.5	898.8	63.67	15.117	
15,000.0	9,638.3	16,062.5	10,599.9	52.0	54.1	-180.00	5,658.1	613.0	962.5	898.7	63.85	15.076	
15,025.0	9,638.5	16,087.5	10,600.1	52.2	54.3	-180.00	5,683.1	613.0	962.6	898.6	64.03	15.035	
15,050.0	9,638.6	16,112.5	10,600.4	52.4	54.5	-180.00	5,708.1	613.0	962.7	898.5	64.20	14.994	
15,075.0	9,638.8	16,137.5	10,600.6	52.6	54.7	-180.00	5,733.1	612.9	962.7	898.3	64.38	14.953	
15,100.0	9,639.0	16,162.5	10,600.8	52.8	54.9	-180.00	5,758.1	612.9	962.8	898.2	64.56	14.913	
15,125.0	9,639.2	16,187.5	10,601.1	53.0	55.1	-180.00	5,783.1	612.9	962.8	898.1	64.74	14.872	
15,150.0	9,639.4	16,212.5	10,601.3	53.2	55.3	-180.00	5,808.1	612.8	962.9	897.9	64.92	14.832	
15,175.0	9,639.6	16,237.5	10,601.6	53.4	55.5	-180.00	5,833.1	612.8	962.9	897.8	65.10	14.792	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: Reference		0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR						Rule Assigned:		Offset Well Error: 0.0 usft				
Offset				Semi Major Axis		Offset Wellbore Centre			Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
15,200.0	9,639.8	16,262.5	10,601.8	53.6	55.6	-180.00	5,858.1	612.8	963.0	897.7	65.28	14.752		
15,225.0	9,640.0	16,287.5	10,602.1	53.8	55.8	-180.00	5,883.0	612.7	963.0	897.6	65.46	14.712		
15,250.0	9,640.2	16,312.5	10,602.3	54.0	56.0	-180.00	5,908.0	612.7	963.1	897.4	65.64	14.672		
15,275.0	9,640.4	16,337.5	10,602.6	54.2	56.2	-180.00	5,933.0	612.7	963.1	897.3	65.82	14.633		
15,300.0	9,640.6	16,362.5	10,602.8	54.4	56.4	-180.00	5,958.0	612.7	963.2	897.2	66.00	14.594		
15,325.0	9,640.8	16,387.5	10,603.1	54.6	56.6	-180.00	5,983.0	612.6	963.2	897.1	66.18	14.554		
15,350.0	9,641.0	16,412.5	10,603.3	54.8	56.8	-180.00	6,008.0	612.6	963.3	896.9	66.36	14.515		
15,375.0	9,641.2	16,437.5	10,603.6	55.0	57.0	-180.00	6,033.0	612.6	963.3	896.8	66.54	14.477		
15,400.0	9,641.4	16,462.5	10,603.8	55.2	57.2	-180.00	6,058.0	612.5	963.4	896.7	66.73	14.438		
15,425.0	9,641.6	16,487.5	10,604.1	55.4	57.4	-180.00	6,083.0	612.5	963.4	896.5	66.91	14.399		
15,450.0	9,641.7	16,512.5	10,604.3	55.6	57.6	-180.00	6,108.0	612.5	963.5	896.4	67.09	14.361		
15,475.0	9,641.9	16,537.5	10,604.5	55.8	57.8	-180.00	6,133.0	612.5	963.6	896.3	67.27	14.323		
15,500.0	9,642.1	16,562.5	10,604.8	56.0	58.0	-180.00	6,158.0	612.4	963.6	896.1	67.46	14.285		
15,525.0	9,642.3	16,587.5	10,605.0	56.2	58.2	-180.00	6,183.0	612.4	963.7	896.0	67.64	14.247		
15,550.0	9,642.5	16,612.5	10,605.3	56.4	58.4	-180.00	6,208.0	612.4	963.7	895.9	67.82	14.209		
15,575.0	9,642.7	16,637.5	10,605.5	56.6	58.6	-180.00	6,233.0	612.3	963.8	895.8	68.01	14.171		
15,600.0	9,642.9	16,662.5	10,605.8	56.8	58.8	-180.00	6,258.0	612.3	963.8	895.6	68.19	14.134		
15,625.0	9,643.1	16,687.5	10,606.0	57.0	59.0	-180.00	6,283.0	612.3	963.9	895.5	68.38	14.097		
15,650.0	9,643.3	16,712.5	10,606.3	57.2	59.2	-180.00	6,308.0	612.3	963.9	895.4	68.56	14.059		
15,675.0	9,643.5	16,737.5	10,606.5	57.4	59.3	-180.00	6,333.0	612.2	964.0	895.2	68.75	14.022		
15,700.0	9,643.7	16,762.5	10,606.8	57.6	59.5	-180.00	6,358.0	612.2	964.0	895.1	68.93	13.986		
15,725.0	9,643.9	16,787.5	10,607.0	57.8	59.7	-180.00	6,383.0	612.2	964.1	895.0	69.12	13.949		
15,750.0	9,644.1	16,812.5	10,607.3	58.0	59.9	-180.00	6,408.0	612.1	964.1	894.8	69.30	13.912		
15,775.0	9,644.3	16,837.5	10,607.5	58.2	60.1	-180.00	6,433.0	612.1	964.2	894.7	69.49	13.876		
15,800.0	9,644.5	16,862.5	10,607.7	58.4	60.3	-180.00	6,458.0	612.1	964.2	894.6	69.67	13.840		
15,825.0	9,644.6	16,887.5	10,608.0	58.6	60.5	-180.00	6,483.0	612.0	964.3	894.4	69.86	13.804		
15,850.0	9,644.8	16,912.5	10,608.2	58.8	60.7	-180.00	6,508.0	612.0	964.3	894.3	70.04	13.768		
15,875.0	9,645.0	16,937.5	10,608.5	59.0	60.9	-180.00	6,533.0	612.0	964.4	894.2	70.23	13.732		
15,900.0	9,645.2	16,962.5	10,608.7	59.2	61.1	-180.00	6,558.0	612.0	964.5	894.0	70.42	13.696		
15,925.0	9,645.4	16,987.5	10,609.0	59.4	61.3	-180.00	6,583.0	611.9	964.5	893.9	70.60	13.661		
15,950.0	9,645.6	17,012.5	10,609.2	59.6	61.5	-180.00	6,608.0	611.9	964.6	893.8	70.79	13.625		
15,975.0	9,645.8	17,037.5	10,609.5	59.8	61.7	-180.00	6,633.0	611.9	964.6	893.6	70.98	13.590		
16,000.0	9,646.0	17,062.5	10,609.7	60.0	61.9	-180.00	6,658.0	611.8	964.7	893.5	71.17	13.555		
16,025.0	9,646.2	17,087.5	10,610.0	60.2	62.1	-180.00	6,683.0	611.8	964.7	893.4	71.35	13.520		
16,050.0	9,646.4	17,112.5	10,610.2	60.4	62.3	-180.00	6,708.0	611.8	964.8	893.2	71.54	13.485		
16,075.0	9,646.6	17,137.5	10,610.5	60.6	62.5	-180.00	6,733.0	611.8	964.8	893.1	71.73	13.451		
16,100.0	9,646.8	17,162.5	10,610.7	60.8	62.7	-180.00	6,758.0	611.7	964.9	893.0	71.92	13.416		
16,125.0	9,647.0	17,187.5	10,610.9	61.0	62.9	-180.00	6,783.0	611.7	964.9	892.8	72.11	13.382		
16,150.0	9,647.2	17,212.5	10,611.2	61.2	63.1	-180.00	6,808.0	611.7	965.0	892.7	72.30	13.347		
16,175.0	9,647.4	17,237.5	10,611.4	61.4	63.3	-180.00	6,833.0	611.6	965.0	892.5	72.49	13.313		
16,200.0	9,647.5	17,262.5	10,611.7	61.6	63.5	-180.00	6,858.0	611.6	965.1	892.4	72.68	13.279		
16,225.0	9,647.7	17,287.5	10,611.9	61.8	63.7	-180.00	6,883.0	611.6	965.1	892.3	72.86	13.246		
16,250.0	9,647.9	17,312.5	10,612.2	62.0	63.9	-180.00	6,908.0	611.6	965.2	892.1	73.05	13.212		
16,275.0	9,648.1	17,337.5	10,612.4	62.2	64.1	-180.00	6,933.0	611.5	965.2	892.0	73.24	13.178		
16,300.0	9,648.3	17,362.5	10,612.7	62.4	64.3	-180.00	6,958.0	611.5	965.3	891.9	73.43	13.145		
16,325.0	9,648.5	17,387.5	10,612.9	62.6	64.5	-180.00	6,983.0	611.5	965.3	891.7	73.62	13.112		
16,350.0	9,648.7	17,412.5	10,613.2	62.8	64.7	-180.00	7,008.0	611.4	965.4	891.6	73.82	13.079		
16,375.0	9,648.9	17,437.5	10,613.4	63.0	64.9	-180.00	7,033.0	611.4	965.5	891.4	74.01	13.046		
16,400.0	9,649.1	17,462.5	10,613.7	63.2	65.1	-180.00	7,058.0	611.4	965.5	891.3	74.20	13.013		
16,425.0	9,649.3	17,487.5	10,613.9	63.4	65.3	-180.00	7,083.0	611.3	965.6	891.2	74.39	12.980		
16,450.0	9,649.5	17,512.5	10,614.1	63.6	65.5	-180.00	7,108.0	611.3	965.6	891.0	74.58	12.948		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR				Rule Assigned:					Offset Well Error: 0.0 usft					
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
16,475.0	9,649.7	17,537.5	10,614.4	63.8	65.7	-180.00	7,133.0	611.3	965.7	890.9	74.77	12.915		
16,500.0	9,649.9	17,562.5	10,614.6	64.0	65.9	-180.00	7,158.0	611.3	965.7	890.8	74.96	12.883		
16,525.0	9,650.1	17,587.5	10,614.9	64.2	66.1	-180.00	7,183.0	611.2	965.8	890.6	75.15	12.851		
16,550.0	9,650.3	17,612.5	10,615.1	64.4	66.3	-180.00	7,208.0	611.2	965.8	890.5	75.35	12.819		
16,575.0	9,650.4	17,637.5	10,615.4	64.6	66.5	-180.00	7,233.0	611.2	965.9	890.3	75.54	12.787		
16,600.0	9,650.6	17,662.5	10,615.6	64.8	66.7	-180.00	7,258.0	611.1	965.9	890.2	75.73	12.755		
16,625.0	9,650.8	17,687.5	10,615.9	65.0	66.9	-180.00	7,283.0	611.1	966.0	890.1	75.92	12.723		
16,650.0	9,651.0	17,712.5	10,616.1	65.3	67.1	-180.00	7,308.0	611.1	966.0	889.9	76.11	12.692		
16,675.0	9,651.2	17,737.5	10,616.4	65.5	67.3	-180.00	7,333.0	611.1	966.1	889.8	76.31	12.660		
16,700.0	9,651.4	17,762.5	10,616.6	65.7	67.5	-180.00	7,358.0	611.0	966.1	889.6	76.50	12.629		
16,725.0	9,651.6	17,787.5	10,616.9	65.9	67.7	-180.00	7,383.0	611.0	966.2	889.5	76.69	12.598		
16,750.0	9,651.8	17,812.5	10,617.1	66.1	67.9	-180.00	7,408.0	611.0	966.2	889.4	76.89	12.567		
16,775.0	9,652.0	17,837.5	10,617.3	66.3	68.1	-180.00	7,433.0	610.9	966.3	889.2	77.08	12.536		
16,800.0	9,652.2	17,862.5	10,617.6	66.5	68.3	-180.00	7,458.0	610.9	966.4	889.1	77.27	12.506		
16,825.0	9,652.4	17,887.5	10,617.8	66.7	68.5	-180.00	7,483.0	610.9	966.4	888.9	77.47	12.475		
16,850.0	9,652.6	17,912.5	10,618.1	66.9	68.7	-180.00	7,508.0	610.8	966.5	888.8	77.66	12.444		
16,875.0	9,652.8	17,937.5	10,618.3	67.1	68.9	-180.00	7,533.0	610.8	966.5	888.7	77.86	12.414		
16,900.0	9,653.0	17,962.5	10,618.6	67.3	69.1	-180.00	7,558.0	610.8	966.6	888.5	78.05	12.384		
16,925.0	9,653.2	17,987.5	10,618.8	67.5	69.3	-180.00	7,583.0	610.8	966.6	888.4	78.24	12.354		
16,950.0	9,653.4	18,012.5	10,619.1	67.7	69.5	-180.00	7,608.0	610.7	966.7	888.2	78.44	12.324		
16,975.0	9,653.5	18,037.5	10,619.3	67.9	69.7	-180.00	7,633.0	610.7	966.7	888.1	78.63	12.294		
17,000.0	9,653.7	18,062.5	10,619.6	68.1	69.9	-180.00	7,658.0	610.7	966.8	887.9	78.83	12.264		
17,025.0	9,653.9	18,087.5	10,619.8	68.3	70.1	-180.00	7,683.0	610.6	966.8	887.8	79.02	12.235		
17,050.0	9,654.1	18,112.5	10,620.1	68.5	70.3	-180.00	7,708.0	610.6	966.9	887.7	79.22	12.205		
17,075.0	9,654.3	18,137.5	10,620.3	68.7	70.5	-180.00	7,733.0	610.6	966.9	887.5	79.41	12.176		
17,100.0	9,654.5	18,162.5	10,620.5	68.9	70.7	-180.00	7,758.0	610.6	967.0	887.4	79.61	12.146		
17,125.0	9,654.7	18,187.5	10,620.8	69.1	70.9	-180.00	7,783.0	610.5	967.0	887.2	79.81	12.117		
17,150.0	9,654.9	18,212.5	10,621.0	69.3	71.1	-180.00	7,808.0	610.5	967.1	887.1	80.00	12.088		
17,175.0	9,655.1	18,237.5	10,621.3	69.5	71.3	-180.00	7,832.9	610.5	967.1	886.9	80.20	12.059		
17,200.0	9,655.3	18,262.5	10,621.5	69.7	71.5	-180.00	7,857.9	610.4	967.2	886.8	80.39	12.031		
17,225.0	9,655.5	18,287.5	10,621.8	69.9	71.7	-180.00	7,882.9	610.4	967.2	886.7	80.59	12.002		
17,250.0	9,655.7	18,312.5	10,622.0	70.2	71.9	-180.00	7,907.9	610.4	967.3	886.5	80.79	11.974		
17,275.0	9,655.9	18,337.5	10,622.3	70.4	72.1	-180.00	7,932.9	610.4	967.4	886.4	80.98	11.945		
17,300.0	9,656.1	18,362.5	10,622.5	70.6	72.3	-180.00	7,957.9	610.3	967.4	886.2	81.18	11.917		
17,325.0	9,656.3	18,387.5	10,622.8	70.8	72.5	-180.00	7,982.9	610.3	967.5	886.1	81.38	11.889		
17,350.0	9,656.4	18,412.5	10,623.0	71.0	72.7	-180.00	8,007.9	610.3	967.5	885.9	81.57	11.861		
17,375.0	9,656.6	18,437.5	10,623.3	71.2	72.9	-180.00	8,032.9	610.2	967.6	885.8	81.77	11.833		
17,400.0	9,656.8	18,462.5	10,623.5	71.4	73.1	-180.00	8,057.9	610.2	967.6	885.7	81.97	11.805		
17,425.0	9,657.0	18,487.5	10,623.8	71.6	73.3	-180.00	8,082.9	610.2	967.7	885.5	82.17	11.777		
17,450.0	9,657.2	18,512.5	10,624.0	71.8	73.5	-180.00	8,107.9	610.1	967.7	885.4	82.36	11.749		
17,475.0	9,657.4	18,537.5	10,624.2	72.0	73.7	-180.00	8,132.9	610.1	967.8	885.2	82.56	11.722		
17,500.0	9,657.6	18,562.5	10,624.5	72.2	73.9	-180.00	8,157.9	610.1	967.8	885.1	82.76	11.695		
17,525.0	9,657.8	18,587.5	10,624.7	72.4	74.1	-180.00	8,182.9	610.1	967.9	884.9	82.96	11.667		
17,550.0	9,658.0	18,612.5	10,625.0	72.6	74.3	-180.00	8,207.9	610.0	967.9	884.8	83.15	11.640		
17,575.0	9,658.2	18,637.5	10,625.2	72.8	74.5	-180.00	8,232.9	610.0	968.0	884.6	83.35	11.613		
17,600.0	9,658.4	18,662.5	10,625.5	73.0	74.7	-180.00	8,257.9	610.0	968.0	884.5	83.55	11.586		
17,625.0	9,658.6	18,687.5	10,625.7	73.2	74.9	-180.00	8,282.9	609.9	968.1	884.3	83.75	11.559		
17,650.0	9,658.8	18,712.5	10,626.0	73.4	75.1	-180.00	8,307.9	609.9	968.1	884.2	83.95	11.533		
17,675.0	9,659.0	18,737.5	10,626.2	73.6	75.3	-180.00	8,332.9	609.9	968.2	884.1	84.15	11.506		
17,700.0	9,659.2	18,762.5	10,626.5	73.9	75.6	-180.00	8,357.9	609.9	968.3	883.9	84.35	11.480		
17,725.0	9,659.3	18,787.5	10,626.7	74.1	75.8	-180.00	8,382.9	609.8	968.3	883.8	84.55	11.453		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
17,750.0	9,659.5	18,812.5	10,627.0	74.3	76.0	-180.00	8,407.9	609.8	968.4	883.6	84.74	11.427	
17,775.0	9,659.7	18,837.5	10,627.2	74.5	76.2	-180.00	8,432.9	609.8	968.4	883.5	84.94	11.401	
17,800.0	9,659.9	18,862.5	10,627.4	74.7	76.4	-180.00	8,457.9	609.7	968.5	883.3	85.14	11.375	
17,825.0	9,660.1	18,887.5	10,627.7	74.9	76.6	-180.00	8,482.9	609.7	968.5	883.2	85.34	11.349	
17,850.0	9,660.3	18,912.5	10,627.9	75.1	76.8	-180.00	8,507.9	609.7	968.6	883.0	85.54	11.323	
17,875.0	9,660.5	18,937.5	10,628.2	75.3	77.0	-180.00	8,532.9	609.7	968.6	882.9	85.74	11.297	
17,900.0	9,660.7	18,962.5	10,628.4	75.5	77.2	-180.00	8,557.9	609.6	968.7	882.7	85.94	11.271	
17,925.0	9,660.9	18,987.5	10,628.7	75.7	77.4	-180.00	8,582.9	609.6	968.7	882.6	86.14	11.246	
17,950.0	9,661.1	19,012.5	10,628.9	75.9	77.6	-180.00	8,607.9	609.6	968.8	882.4	86.34	11.220	
17,975.0	9,661.3	19,037.5	10,629.2	76.1	77.8	-180.00	8,632.9	609.5	968.8	882.3	86.54	11.195	
18,000.0	9,661.5	19,062.5	10,629.4	76.3	78.0	-180.00	8,657.9	609.5	968.9	882.1	86.74	11.170	
18,025.0	9,661.7	19,087.5	10,629.7	76.5	78.2	-180.00	8,682.9	609.5	968.9	882.0	86.94	11.145	
18,050.0	9,661.9	19,112.5	10,629.9	76.7	78.4	-180.00	8,707.9	609.4	969.0	881.8	87.14	11.119	
18,075.0	9,662.1	19,137.5	10,630.2	76.9	78.6	-180.00	8,732.9	609.4	969.0	881.7	87.34	11.095	
18,100.0	9,662.2	19,162.5	10,630.4	77.2	78.8	-180.00	8,757.9	609.4	969.1	881.6	87.55	11.070	
18,125.0	9,662.4	19,187.5	10,630.6	77.4	79.0	-180.00	8,782.9	609.4	969.2	881.4	87.75	11.045	
18,150.0	9,662.6	19,212.5	10,630.9	77.6	79.2	-180.00	8,807.9	609.3	969.2	881.3	87.95	11.020	
18,175.0	9,662.8	19,237.5	10,631.1	77.8	79.4	-180.00	8,832.9	609.3	969.3	881.1	88.15	10.996	
18,200.0	9,663.0	19,262.5	10,631.4	78.0	79.6	-180.00	8,857.9	609.3	969.3	881.0	88.35	10.971	
18,225.0	9,663.2	19,287.5	10,631.6	78.2	79.8	-180.00	8,882.9	609.2	969.4	880.8	88.55	10.947	
18,250.0	9,663.4	19,312.5	10,631.9	78.4	80.0	-180.00	8,907.9	609.2	969.4	880.7	88.75	10.923	
18,275.0	9,663.6	19,337.5	10,632.1	78.6	80.2	-180.00	8,932.9	609.2	969.5	880.5	88.95	10.899	
18,300.0	9,663.8	19,362.5	10,632.4	78.8	80.4	-180.00	8,957.9	609.2	969.5	880.4	89.16	10.874	
18,325.0	9,664.0	19,387.5	10,632.6	79.0	80.6	-180.00	8,982.9	609.1	969.6	880.2	89.36	10.851	
18,350.0	9,664.2	19,412.5	10,632.9	79.2	80.9	-180.00	9,007.9	609.1	969.6	880.1	89.56	10.827	
18,375.0	9,664.4	19,437.5	10,633.1	79.4	81.1	-180.00	9,032.9	609.1	969.7	879.9	89.76	10.803	
18,400.0	9,664.6	19,462.5	10,633.4	79.6	81.3	-180.00	9,057.9	609.0	969.7	879.8	89.96	10.779	
18,425.0	9,664.8	19,487.5	10,633.6	79.8	81.5	-180.00	9,082.9	609.0	969.8	879.6	90.17	10.756	
18,450.0	9,665.0	19,512.5	10,633.8	80.0	81.7	-180.00	9,107.9	609.0	969.8	879.5	90.37	10.732	
18,475.0	9,665.1	19,537.5	10,634.1	80.3	81.9	-180.00	9,132.9	609.0	969.9	879.3	90.57	10.709	
18,500.0	9,665.3	19,562.5	10,634.3	80.5	82.1	-180.00	9,157.9	608.9	969.9	879.2	90.77	10.685	
18,525.0	9,665.5	19,587.5	10,634.6	80.7	82.3	-180.00	9,182.9	608.9	970.0	879.0	90.98	10.662	
18,550.0	9,665.7	19,612.5	10,634.8	80.9	82.5	-180.00	9,207.9	608.9	970.0	878.9	91.18	10.639	
18,575.0	9,665.9	19,637.5	10,635.1	81.1	82.7	-180.00	9,232.9	608.8	970.1	878.7	91.38	10.616	
18,600.0	9,666.1	19,662.5	10,635.3	81.3	82.9	-180.00	9,257.9	608.8	970.2	878.6	91.58	10.593	
18,625.0	9,666.3	19,687.5	10,635.6	81.5	83.1	-180.00	9,282.9	608.8	970.2	878.4	91.79	10.570	
18,650.0	9,666.5	19,712.5	10,635.8	81.7	83.3	-180.00	9,307.9	608.7	970.3	878.3	91.99	10.547	
18,675.0	9,666.7	19,737.5	10,636.1	81.9	83.5	-180.00	9,332.9	608.7	970.3	878.1	92.19	10.525	
18,700.0	9,666.9	19,762.5	10,636.3	82.1	83.7	-180.00	9,357.9	608.7	970.4	878.0	92.40	10.502	
18,725.0	9,667.1	19,787.5	10,636.6	82.3	83.9	-180.00	9,382.9	608.7	970.4	877.8	92.60	10.480	
18,750.0	9,667.3	19,812.5	10,636.8	82.5	84.1	-180.00	9,407.9	608.6	970.5	877.7	92.80	10.457	
18,775.0	9,667.5	19,837.5	10,637.0	82.7	84.3	-180.00	9,432.9	608.6	970.5	877.5	93.01	10.435	
18,800.0	9,667.7	19,862.5	10,637.3	83.0	84.5	-180.00	9,457.9	608.6	970.6	877.4	93.21	10.413	
18,825.0	9,667.9	19,887.5	10,637.5	83.2	84.7	-180.00	9,482.9	608.5	970.6	877.2	93.41	10.391	
18,850.0	9,668.1	19,912.5	10,637.8	83.4	85.0	-180.00	9,507.9	608.5	970.7	877.1	93.62	10.368	
18,875.0	9,668.2	19,937.5	10,638.0	83.6	85.2	-180.00	9,532.9	608.5	970.7	876.9	93.82	10.346	
18,900.0	9,668.4	19,962.5	10,638.3	83.8	85.4	-180.00	9,557.9	608.5	970.8	876.8	94.03	10.325	
18,925.0	9,668.6	19,987.5	10,638.5	84.0	85.6	-180.00	9,582.9	608.4	970.8	876.6	94.23	10.303	
18,950.0	9,668.8	20,012.5	10,638.8	84.2	85.8	-180.00	9,607.9	608.4	970.9	876.5	94.44	10.281	
18,975.0	9,669.0	20,037.5	10,639.0	84.4	86.0	-180.00	9,632.9	608.4	970.9	876.3	94.64	10.259	
19,000.0	9,669.2	20,062.5	10,639.3	84.6	86.2	-180.00	9,657.9	608.3	971.0	876.2	94.84	10.238	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1, 10153-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	
19,025.0	9,669.4	20,087.5	10,639.5	84.8	86.4	-180.00	9,682.9	608.3	971.1	876.0	95.05	10.216
19,050.0	9,669.6	20,112.5	10,639.8	85.0	86.6	-180.00	9,707.9	608.3	971.1	875.9	95.25	10.195
19,075.0	9,669.8	20,137.5	10,640.0	85.2	86.8	-180.00	9,732.9	608.2	971.2	875.7	95.46	10.174
19,100.0	9,670.0	20,162.5	10,640.2	85.4	87.0	-180.00	9,757.9	608.2	971.2	875.5	95.66	10.152
19,125.0	9,670.2	20,187.5	10,640.5	85.7	87.2	-180.00	9,782.8	608.2	971.3	875.4	95.87	10.131
19,150.0	9,670.4	20,212.5	10,640.7	85.9	87.4	-180.00	9,807.8	608.2	971.3	875.2	96.07	10.110
19,175.0	9,670.6	20,237.5	10,641.0	86.1	87.6	-180.00	9,832.8	608.1	971.4	875.1	96.28	10.089
19,200.0	9,670.8	20,262.5	10,641.2	86.3	87.8	-180.00	9,857.8	608.1	971.4	874.9	96.48	10.068
19,225.0	9,671.0	20,287.5	10,641.5	86.5	88.0	-180.00	9,882.8	608.1	971.5	874.8	96.69	10.048
19,250.0	9,671.1	20,312.5	10,641.7	86.7	88.2	-180.00	9,907.8	608.0	971.5	874.6	96.89	10.027
19,275.0	9,671.3	20,337.5	10,642.0	86.9	88.5	-180.00	9,932.8	608.0	971.6	874.5	97.10	10.006
19,300.0	9,671.5	20,362.5	10,642.2	87.1	88.7	-180.00	9,957.8	608.0	971.6	874.3	97.30	9.986
19,325.0	9,671.7	20,387.5	10,642.5	87.3	88.9	-180.00	9,982.8	608.0	971.7	874.2	97.51	9.965
19,350.0	9,671.9	20,412.5	10,642.7	87.5	89.1	-180.00	10,007.8	607.9	971.7	874.0	97.72	9.945
19,375.0	9,672.1	20,437.5	10,643.0	87.7	89.3	-180.00	10,032.8	607.9	971.8	873.9	97.92	9.924
19,400.0	9,672.3	20,462.5	10,643.2	87.9	89.5	-180.00	10,057.8	607.9	971.8	873.7	98.13	9.904
19,425.0	9,672.5	20,487.5	10,643.5	88.2	89.7	-180.00	10,082.8	607.8	971.9	873.6	98.33	9.884
19,450.0	9,672.7	20,512.5	10,643.7	88.4	89.9	-180.00	10,107.8	607.8	972.0	873.4	98.54	9.864
19,475.0	9,672.9	20,537.5	10,643.9	88.6	90.1	-180.00	10,132.8	607.8	972.0	873.3	98.74	9.844
19,500.0	9,673.1	20,562.5	10,644.2	88.8	90.3	-180.00	10,157.8	607.8	972.1	873.1	98.95	9.824
19,525.0	9,673.3	20,587.5	10,644.4	89.0	90.5	-180.00	10,182.8	607.7	972.1	873.0	99.16	9.804
19,550.0	9,673.5	20,612.5	10,644.7	89.2	90.7	-180.00	10,207.8	607.7	972.2	872.8	99.36	9.784
19,575.0	9,673.7	20,637.5	10,644.9	89.4	90.9	-180.00	10,232.8	607.7	972.2	872.6	99.57	9.764
19,600.0	9,673.9	20,662.5	10,645.2	89.6	91.1	-180.00	10,257.8	607.6	972.3	872.5	99.78	9.744
19,625.0	9,674.0	20,687.5	10,645.4	89.8	91.3	-180.00	10,282.8	607.6	972.3	872.3	99.98	9.725
19,650.0	9,674.2	20,712.5	10,645.7	90.0	91.5	-180.00	10,307.8	607.6	972.4	872.2	100.19	9.705
19,675.0	9,674.4	20,737.5	10,645.9	90.2	91.8	-180.00	10,332.8	607.5	972.4	872.0	100.40	9.686
19,700.0	9,674.6	20,762.5	10,646.2	90.4	92.0	-180.00	10,357.8	607.5	972.5	871.9	100.60	9.667
19,725.0	9,674.8	20,787.5	10,646.4	90.7	92.2	-180.00	10,382.8	607.5	972.5	871.7	100.81	9.647
19,750.0	9,675.0	20,812.5	10,646.7	90.9	92.4	-180.00	10,407.8	607.5	972.6	871.6	101.02	9.628
19,775.0	9,675.2	20,837.5	10,646.9	91.1	92.6	-180.00	10,432.8	607.4	972.6	871.4	101.22	9.609
19,800.0	9,675.4	20,862.5	10,647.1	91.3	92.8	-180.00	10,457.8	607.4	972.7	871.3	101.43	9.590
19,825.0	9,675.6	20,887.5	10,647.4	91.5	93.0	-180.00	10,482.8	607.4	972.7	871.1	101.64	9.571
19,850.0	9,675.8	20,912.5	10,647.6	91.7	93.2	-180.00	10,507.8	607.3	972.8	871.0	101.84	9.552
19,875.0	9,676.0	20,937.5	10,647.9	91.9	93.4	-180.00	10,532.8	607.3	972.8	870.8	102.05	9.533
19,877.3	9,676.0	20,939.8	10,647.9	91.9	93.4	-180.00	10,535.1	607.3	972.9	870.8	102.07	9.531

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		Offset		Semi Major Axis		Offset Wellbore Centre			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-107.05	-61.2	-199.6	208.8						
25.0	25.0	24.0	24.0	0.5	0.1	-107.05	-61.2	-199.6	208.8						
50.0	50.0	49.0	49.0	0.5	0.3	-107.05	-61.2	-199.6	208.8	207.5	1.27	164.157			
75.0	75.0	74.0	74.0	0.5	0.4	-107.05	-61.2	-199.6	208.8	207.4	1.36	152.989			
100.0	100.0	99.0	99.0	0.5	0.5	-107.05	-61.2	-199.6	208.8	207.3	1.48	140.993			
125.0	125.0	124.0	124.0	0.6	0.6	-107.05	-61.2	-199.6	208.8	207.0	1.73	120.881			
150.0	150.0	149.0	149.0	0.8	0.8	-107.05	-61.2	-199.6	208.8	206.8	1.97	105.797			
175.0	175.0	174.0	174.0	0.9	0.9	-107.05	-61.2	-199.6	208.8	206.6	2.22	94.059			
200.0	200.0	199.0	199.0	1.0	1.0	-107.05	-61.2	-199.6	208.8	206.3	2.47	84.666			
225.0	225.0	224.0	224.0	1.1	1.1	-107.05	-61.2	-199.6	208.8	206.1	2.63	79.451			
250.0	250.0	249.0	249.0	1.2	1.2	-107.05	-61.2	-199.6	208.8	206.0	2.79	74.888			
275.0	275.0	274.0	274.0	1.3	1.3	-107.05	-61.2	-199.6	208.8	205.8	2.95	70.820			
300.0	300.0	299.0	299.0	1.4	1.4	-107.05	-61.2	-199.6	208.8	205.7	3.11	67.171			
325.0	325.0	324.0	324.0	1.4	1.4	-107.05	-61.2	-199.6	208.8	205.5	3.24	64.492			
350.0	350.0	349.0	349.0	1.5	1.5	-107.05	-61.2	-199.6	208.8	205.4	3.37	62.030			
375.0	375.0	374.0	374.0	1.6	1.6	-107.05	-61.2	-199.6	208.8	205.3	3.49	59.749			
400.0	400.0	399.0	399.0	1.6	1.6	-107.05	-61.2	-199.6	208.8	205.1	3.62	57.629			
425.0	425.0	424.0	424.0	1.7	1.7	-107.05	-61.2	-199.6	208.8	205.0	3.73	55.917			
450.0	450.0	449.0	449.0	1.8	1.8	-107.05	-61.2	-199.6	208.8	204.9	3.84	54.309			
475.0	475.0	474.0	474.0	1.8	1.8	-107.05	-61.2	-199.6	208.8	204.8	3.95	52.791			
500.0	500.0	499.0	499.0	1.9	1.9	-107.05	-61.2	-199.6	208.8	204.7	4.07	51.355			
525.0	525.0	524.0	524.0	1.9	1.9	-107.05	-61.2	-199.6	208.8	204.6	4.16	50.136			
550.0	550.0	549.0	549.0	2.0	2.0	-107.05	-61.2	-199.6	208.8	204.5	4.26	48.976			
575.0	575.0	574.0	574.0	2.1	2.1	-107.05	-61.2	-199.6	208.8	204.4	4.36	47.868			
600.0	600.0	599.0	599.0	2.1	2.1	-107.05	-61.2	-199.6	208.8	204.3	4.46	46.810			
625.0	625.0	624.0	624.0	2.2	2.2	-107.05	-61.2	-199.6	208.8	204.2	4.55	45.883			
650.0	650.0	649.0	649.0	2.2	2.2	-107.05	-61.2	-199.6	208.8	204.1	4.64	44.994			
675.0	675.0	674.0	674.0	2.3	2.3	-107.05	-61.2	-199.6	208.8	204.0	4.73	44.138			
700.0	700.0	699.0	699.0	2.3	2.3	-107.05	-61.2	-199.6	208.8	204.0	4.82	43.315			
725.0	725.0	724.0	724.0	2.4	2.4	-107.05	-61.2	-199.6	208.8	203.9	4.90	42.578			
750.0	750.0	749.0	749.0	2.4	2.4	-107.05	-61.2	-199.6	208.8	203.8	4.99	41.867			
775.0	775.0	774.0	774.0	2.5	2.5	-107.05	-61.2	-199.6	208.8	203.7	5.07	41.179			
800.0	800.0	799.0	799.0	2.5	2.5	-107.05	-61.2	-199.6	208.8	203.6	5.15	40.514			
825.0	825.0	824.0	824.0	2.6	2.6	-107.05	-61.2	-199.6	208.8	203.5	5.23	39.910			
850.0	850.0	849.0	849.0	2.6	2.6	-107.05	-61.2	-199.6	208.8	203.5	5.31	39.324			
875.0	875.0	874.0	874.0	2.6	2.6	-107.05	-61.2	-199.6	208.8	203.4	5.39	38.755			
900.0	900.0	899.0	899.0	2.7	2.7	-107.05	-61.2	-199.6	208.8	203.3	5.46	38.203			
925.0	925.0	924.0	924.0	2.7	2.7	-107.05	-61.2	-199.6	208.8	203.2	5.54	37.695			
950.0	950.0	949.0	949.0	2.8	2.8	-107.05	-61.2	-199.6	208.8	203.2	5.61	37.201			
975.0	975.0	974.0	974.0	2.8	2.8	-107.05	-61.2	-199.6	208.8	203.1	5.69	36.720			
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-107.05	-61.2	-199.6	208.8	203.0	5.76	36.251			
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-107.05	-61.2	-199.6	208.8	202.9	5.83	35.816			
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-107.05	-61.2	-199.6	208.8	202.9	5.90	35.392			
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-107.05	-61.2	-199.6	208.8	202.8	5.97	34.978			
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-107.05	-61.2	-199.6	208.8	202.7	6.04	34.574			
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-107.05	-61.2	-199.6	208.8	202.7	6.11	34.196			
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-107.05	-61.2	-199.6	208.8	202.6	6.17	33.826			
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-107.05	-61.2	-199.6	208.8	202.5	6.24	33.465			
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-107.05	-61.2	-199.6	208.8	202.5	6.31	33.111			
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-107.05	-61.2	-199.6	208.8	202.4	6.37	32.779			
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-107.05	-61.2	-199.6	208.8	202.3	6.43	32.453			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-107.05	-61.2	-199.6	208.8	202.3	6.50	32.134	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-107.05	-61.2	-199.6	208.8	202.2	6.56	31.821	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-107.05	-61.2	-199.6	208.8	202.1	6.62	31.525	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-107.05	-61.2	-199.6	208.8	202.1	6.68	31.235	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-107.05	-61.2	-199.6	208.8	202.0	6.75	30.950	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-107.05	-61.2	-199.6	208.8	202.0	6.81	30.670	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-107.05	-61.2	-199.6	208.8	201.9	6.87	30.405	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-107.05	-61.2	-199.6	208.8	201.8	6.93	30.144	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-107.05	-61.2	-199.6	208.8	201.8	6.99	29.888	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-107.05	-61.2	-199.6	208.8	201.7	7.04	29.636	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-107.05	-61.2	-199.6	208.8	201.7	7.10	29.396	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-107.05	-61.2	-199.6	208.8	201.6	7.16	29.161	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-107.05	-61.2	-199.6	208.8	201.6	7.22	28.928	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-107.05	-61.2	-199.6	208.8	201.5	7.27	28.700	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-107.05	-61.2	-199.6	208.8	201.4	7.33	28.482	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-107.05	-61.2	-199.6	208.8	201.4	7.39	28.267	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-107.05	-61.2	-199.6	208.8	201.3	7.44	28.055	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-107.05	-61.2	-199.6	208.8	201.3	7.50	27.847	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-107.05	-61.2	-199.6	208.8	201.2	7.55	27.647	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-107.05	-61.2	-199.6	208.8	201.2	7.61	27.450	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-107.05	-61.2	-199.6	208.8	201.1	7.66	27.256	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-107.05	-61.2	-199.6	208.8	201.1	7.71	27.065	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-107.05	-61.2	-199.6	208.8	201.0	7.77	26.881	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-107.05	-61.2	-199.6	208.8	201.0	7.82	26.700	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-107.05	-61.2	-199.6	208.8	200.9	7.87	26.521	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-107.05	-61.2	-199.6	208.8	200.8	7.92	26.345	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-107.05	-61.2	-199.6	208.8	200.8	7.98	26.175	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-107.05	-61.2	-199.6	208.8	200.7	8.03	26.007	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-107.05	-61.2	-199.6	208.8	200.7	8.08	25.842	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-107.05	-61.2	-199.6	208.8	200.6	8.13	25.679 CC	
2,025.0	2,025.0	2,024.9	2,024.9	4.4	4.4	173.88	-61.2	-199.6	208.8	200.6	8.21	25.444 ES	
2,050.0	2,050.0	2,050.8	2,050.8	4.5	4.5	173.90	-61.1	-199.4	209.0	200.7	8.29	25.222	
2,075.0	2,075.0	2,076.7	2,076.7	4.5	4.5	173.94	-60.9	-199.2	209.3	200.9	8.37	25.014	
2,100.0	2,100.0	2,102.6	2,102.5	4.5	4.5	174.00	-60.7	-198.8	209.7	201.2	8.45	24.812	
2,125.0	2,125.0	2,128.4	2,128.4	4.6	4.6	174.07	-60.4	-198.4	210.2	201.6	8.58	24.505	
2,150.0	2,149.9	2,154.3	2,154.3	4.6	4.6	174.16	-60.0	-197.9	210.8	202.1	8.70	24.219	
2,175.0	2,174.9	2,180.2	2,180.2	4.7	4.7	174.26	-59.6	-197.3	211.5	202.7	8.83	23.953	
2,200.0	2,199.8	2,206.1	2,206.1	4.7	4.7	174.38	-59.1	-196.6	212.3	203.4	8.96	23.704	
2,225.0	2,224.8	2,232.0	2,232.0	4.7	4.7	174.51	-58.5	-195.8	213.3	204.2	9.09	23.462	
2,250.0	2,249.7	2,257.9	2,257.8	4.8	4.8	174.66	-57.9	-194.8	214.3	205.1	9.22	23.239	
2,275.0	2,274.6	2,283.8	2,283.7	4.8	4.8	174.82	-57.2	-193.8	215.5	206.1	9.35	23.033	
2,300.0	2,299.5	2,309.7	2,309.5	4.9	4.9	175.00	-56.4	-192.7	216.7	207.3	9.49	22.841	
2,325.0	2,324.3	2,335.5	2,335.4	4.9	4.9	175.19	-55.6	-191.6	218.1	208.5	9.63	22.652	
2,350.0	2,349.1	2,361.4	2,361.2	5.0	5.0	175.39	-54.7	-190.3	219.6	209.9	9.77	22.480	
2,375.0	2,373.9	2,387.3	2,387.0	5.1	5.0	175.60	-53.7	-188.9	221.2	211.3	9.91	22.324	
2,400.0	2,398.7	2,413.2	2,412.8	5.1	5.1	175.82	-52.7	-187.4	223.0	212.9	10.05	22.178	
2,425.0	2,423.4	2,439.0	2,438.6	5.2	5.1	176.05	-51.6	-185.8	224.8	214.6	10.20	22.034	
2,450.0	2,448.2	2,464.9	2,464.4	5.3	5.2	176.30	-50.4	-184.2	226.8	216.4	10.35	21.905	
2,475.0	2,472.8	2,490.8	2,490.2	5.4	5.2	176.55	-49.2	-182.4	228.8	218.3	10.50	21.790	
2,500.0	2,497.5	2,517.0	2,516.3	5.4	5.3	176.81	-47.9	-180.5	231.0	220.4	10.66	21.675	
2,525.0	2,522.1	2,543.5	2,542.7	5.5	5.3	177.03	-46.7	-178.3	233.2	222.4	10.80	21.601	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,570.0	2,569.1	5.6	5.4	177.21	-45.6	-176.0	235.5	224.6	10.94	21.533	
2,575.0	2,571.2	2,596.6	2,595.5	5.7	5.5	177.35	-44.6	-173.4	237.8	226.8	11.08	21.470	
2,600.0	2,595.6	2,623.1	2,621.9	5.7	5.5	177.45	-43.8	-170.6	240.1	228.9	11.21	21.420	
2,625.0	2,620.1	2,649.7	2,648.3	5.8	5.6	177.51	-43.0	-167.6	242.2	230.8	11.37	21.295	
2,650.0	2,644.6	2,676.4	2,674.7	5.9	5.7	177.53	-42.4	-164.3	244.1	232.5	11.54	21.156	
2,675.0	2,669.1	2,703.0	2,701.2	5.9	5.7	177.51	-41.9	-160.9	245.8	234.1	11.70	21.011	
2,700.0	2,693.6	2,728.9	2,726.8	6.0	5.8	177.47	-41.5	-157.3	247.4	235.5	11.84	20.888	
2,725.0	2,718.1	2,753.9	2,751.5	6.1	5.8	177.41	-41.1	-153.9	248.9	236.9	12.00	20.737	
2,750.0	2,742.6	2,778.8	2,776.2	6.2	5.9	177.36	-40.7	-150.4	250.5	238.3	12.17	20.589	
2,775.0	2,767.1	2,803.8	2,800.9	6.3	5.9	177.31	-40.4	-147.0	252.0	239.7	12.33	20.443	
2,800.0	2,791.6	2,828.7	2,825.6	6.4	6.0	177.26	-40.0	-143.5	253.6	241.1	12.49	20.296	
2,825.0	2,816.1	2,853.7	2,850.3	6.4	6.1	177.22	-39.6	-140.1	255.1	242.5	12.66	20.146	
2,850.0	2,840.6	2,878.6	2,875.0	6.5	6.1	177.17	-39.2	-136.6	256.7	243.9	12.83	20.000	
2,875.0	2,865.1	2,903.6	2,899.7	6.6	6.2	177.12	-38.9	-133.2	258.2	245.2	13.00	19.857	
2,900.0	2,889.6	2,928.5	2,924.5	6.7	6.3	177.07	-38.5	-129.7	259.8	246.6	13.18	19.714	
2,925.0	2,914.1	2,953.5	2,949.2	6.8	6.3	177.03	-38.1	-126.3	261.3	248.0	13.35	19.570	
2,950.0	2,938.6	2,978.4	2,973.9	6.9	6.4	176.98	-37.8	-122.8	262.9	249.4	13.53	19.429	
2,975.0	2,963.1	3,003.4	2,998.6	7.0	6.5	176.94	-37.4	-119.4	264.4	250.7	13.71	19.292	
3,000.0	2,987.6	3,028.3	3,023.3	7.1	6.6	176.89	-37.0	-115.9	266.0	252.1	13.89	19.155	
3,025.0	3,012.1	3,053.3	3,048.0	7.2	6.7	176.85	-36.7	-112.4	267.5	253.5	14.07	19.018	
3,050.0	3,036.6	3,078.2	3,072.7	7.2	6.7	176.80	-36.3	-109.0	269.1	254.8	14.25	18.884	
3,075.0	3,061.1	3,103.2	3,097.4	7.3	6.8	176.76	-35.9	-105.5	270.7	256.2	14.43	18.752	
3,100.0	3,085.6	3,128.1	3,122.1	7.4	6.9	176.72	-35.5	-102.1	272.2	257.6	14.62	18.623	
3,125.0	3,110.1	3,153.1	3,146.8	7.5	7.0	176.67	-35.2	-98.6	273.8	259.0	14.80	18.493	
3,150.0	3,134.6	3,178.0	3,171.5	7.6	7.1	176.63	-34.8	-95.2	275.3	260.3	14.99	18.366	
3,175.0	3,159.1	3,203.0	3,196.2	7.7	7.2	176.59	-34.4	-91.7	276.9	261.7	15.18	18.242	
3,200.0	3,183.6	3,227.9	3,221.0	7.8	7.2	176.55	-34.1	-88.3	278.4	263.0	15.37	18.119	
3,225.0	3,208.1	3,252.9	3,245.7	7.9	7.3	176.51	-33.7	-84.8	280.0	264.4	15.56	17.997	
3,250.0	3,232.6	3,277.8	3,270.4	8.0	7.4	176.47	-33.3	-81.4	281.5	265.8	15.75	17.878	
3,275.0	3,257.1	3,302.8	3,295.1	8.1	7.5	176.43	-32.9	-77.9	283.1	267.1	15.94	17.761	
3,300.0	3,281.6	3,327.7	3,319.8	8.2	7.6	176.39	-32.6	-74.5	284.6	268.5	16.13	17.646	
3,325.0	3,306.1	3,352.7	3,344.5	8.3	7.7	176.35	-32.2	-71.0	286.2	269.9	16.32	17.531	
3,350.0	3,330.6	3,377.6	3,369.2	8.4	7.8	176.31	-31.8	-67.6	287.7	271.2	16.52	17.419	
3,375.0	3,355.1	3,402.6	3,393.9	8.5	7.9	176.28	-31.5	-64.1	289.3	272.6	16.71	17.310	
3,400.0	3,379.6	3,427.5	3,418.6	8.6	8.0	176.24	-31.1	-60.7	290.8	273.9	16.91	17.202	
3,425.0	3,404.1	3,452.5	3,443.3	8.7	8.1	176.20	-30.7	-57.2	292.4	275.3	17.10	17.094	
3,450.0	3,428.6	3,477.4	3,468.0	8.8	8.2	176.17	-30.3	-53.8	294.0	276.6	17.30	16.990	
3,475.0	3,453.1	3,502.4	3,492.7	8.9	8.2	176.13	-30.0	-50.3	295.5	278.0	17.50	16.887	
3,500.0	3,477.6	3,527.3	3,517.5	9.0	8.3	176.09	-29.6	-46.8	297.1	279.4	17.70	16.786	
3,525.0	3,502.1	3,552.3	3,542.2	9.1	8.4	176.06	-29.2	-43.4	298.6	280.7	17.90	16.685	
3,550.0	3,526.6	3,577.2	3,566.9	9.2	8.5	176.02	-28.9	-39.9	300.2	282.1	18.10	16.587	
3,575.0	3,551.1	3,602.2	3,591.6	9.3	8.6	175.99	-28.5	-36.5	301.7	283.4	18.30	16.491	
3,600.0	3,575.6	3,627.1	3,616.3	9.4	8.7	175.95	-28.1	-33.0	303.3	284.8	18.50	16.397	
3,625.0	3,600.1	3,652.1	3,641.0	9.5	8.8	175.92	-27.8	-29.6	304.8	286.1	18.70	16.303	
3,650.0	3,624.6	3,677.0	3,665.7	9.6	8.9	175.89	-27.4	-26.1	306.4	287.5	18.90	16.211	
3,675.0	3,649.1	3,702.0	3,690.4	9.7	9.0	175.85	-27.0	-22.7	307.9	288.8	19.10	16.121	
3,700.0	3,673.6	3,726.9	3,715.1	9.9	9.1	175.82	-26.6	-19.2	309.5	290.2	19.30	16.033	
3,725.0	3,698.1	3,751.9	3,739.8	10.0	9.2	175.79	-26.3	-15.8	311.1	291.5	19.51	15.945	
3,750.0	3,722.6	3,776.8	3,764.5	10.1	9.3	175.75	-25.9	-12.3	312.6	292.9	19.71	15.859	
3,775.0	3,747.1	3,801.8	3,789.2	10.2	9.4	175.72	-25.5	-8.9	314.2	294.3	19.92	15.775	
3,800.0	3,771.6	3,826.7	3,813.9	10.3	9.5	175.69	-25.2	-5.4	315.7	295.6	20.12	15.692	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
3,825.0	3,796.1	3,851.7	3,838.7	10.4	9.6	175.66	-24.8	-2.0	317.3	297.0	20.33	15.610	
3,850.0	3,820.5	3,876.6	3,863.4	10.5	9.7	175.63	-24.4	1.5	318.8	298.3	20.53	15.530	
3,875.0	3,845.0	3,901.6	3,888.1	10.6	9.8	175.60	-24.0	4.9	320.4	299.7	20.74	15.451	
3,900.0	3,869.5	3,926.6	3,912.8	10.7	9.9	175.57	-23.7	8.4	321.9	301.0	20.94	15.373	
3,925.0	3,894.0	3,951.5	3,937.5	10.8	10.0	175.54	-23.3	11.8	323.5	302.4	21.15	15.297	
3,950.0	3,918.5	3,976.5	3,962.2	10.9	10.1	175.51	-22.9	15.3	325.1	303.7	21.36	15.221	
3,975.0	3,943.0	4,001.4	3,986.9	11.0	10.2	175.48	-22.6	18.8	326.6	305.1	21.56	15.147	
4,000.0	3,967.5	4,026.4	4,011.6	11.1	10.3	175.45	-22.2	22.2	328.2	306.4	21.77	15.075	
4,025.0	3,992.0	4,051.3	4,036.3	11.2	10.4	175.42	-21.8	25.7	329.7	307.7	21.98	15.003	
4,050.0	4,016.5	4,076.3	4,061.0	11.4	10.5	175.39	-21.5	29.1	331.3	309.1	22.19	14.932	
4,075.0	4,041.0	4,101.2	4,085.7	11.5	10.6	175.36	-21.1	32.6	332.8	310.4	22.39	14.863	
4,100.0	4,065.5	4,126.2	4,110.4	11.6	10.7	175.33	-20.7	36.0	334.4	311.8	22.60	14.795	
4,125.0	4,090.0	4,151.1	4,135.2	11.7	10.8	175.30	-20.3	39.5	336.0	313.1	22.81	14.727	
4,150.0	4,114.5	4,176.1	4,159.9	11.8	10.9	175.28	-20.0	42.9	337.5	314.5	23.02	14.661	
4,175.0	4,139.0	4,201.0	4,184.6	11.9	11.0	175.25	-19.6	46.4	339.1	315.8	23.23	14.596	
4,200.0	4,163.5	4,226.0	4,209.3	12.0	11.1	175.22	-19.2	49.8	340.6	317.2	23.44	14.532	
4,225.0	4,188.0	4,250.9	4,234.0	12.1	11.2	175.19	-18.9	53.3	342.2	318.5	23.65	14.468	
4,250.0	4,212.5	4,275.9	4,258.7	12.2	11.3	175.17	-18.5	56.7	343.7	319.9	23.86	14.406	
4,275.0	4,237.0	4,300.8	4,283.4	12.3	11.4	175.14	-18.1	60.2	345.3	321.2	24.07	14.345	
4,300.0	4,261.5	4,325.8	4,308.1	12.4	11.5	175.12	-17.7	63.6	346.9	322.6	24.28	14.288	
4,325.0	4,286.0	4,350.7	4,332.8	12.6	11.6	175.09	-17.4	67.1	348.4	323.9	24.48	14.232	
4,350.0	4,310.5	4,375.1	4,357.0	12.7	11.7	175.06	-17.0	70.5	350.0	325.3	24.68	14.180	
4,375.0	4,335.0	4,398.6	4,380.3	12.8	11.7	175.04	-16.7	73.6	351.6	326.7	24.88	14.136	
4,400.0	4,359.5	4,422.1	4,403.6	12.9	11.8	175.02	-16.3	76.7	353.4	328.3	25.08	14.092	
4,425.0	4,384.0	4,445.6	4,426.9	13.0	11.9	175.01	-16.0	79.7	355.2	329.9	25.28	14.052	
4,450.0	4,408.5	4,469.1	4,450.2	13.1	12.0	174.99	-15.7	82.6	357.2	331.7	25.48	14.017	
4,475.0	4,433.0	4,492.6	4,473.5	13.2	12.1	174.98	-15.4	85.3	359.2	333.5	25.68	13.987	
4,500.0	4,457.5	4,516.0	4,496.8	13.3	12.2	174.98	-15.1	88.0	361.4	335.5	25.88	13.962	
4,525.0	4,482.0	4,539.5	4,520.1	13.4	12.3	174.97	-14.8	90.6	363.6	337.6	26.08	13.942	
4,550.0	4,506.5	4,562.9	4,543.4	13.6	12.4	174.97	-14.6	93.1	366.0	339.7	26.28	13.926	
4,575.0	4,531.0	4,586.3	4,566.6	13.7	12.5	174.97	-14.3	95.5	368.4	342.0	26.48	13.915	
4,600.0	4,555.5	4,609.7	4,589.9	13.8	12.6	174.97	-14.1	97.8	371.0	344.3	26.67	13.908	
4,625.0	4,580.0	4,633.0	4,613.2	13.9	12.7	174.98	-13.8	100.0	373.6	346.8	26.87	13.906	
4,650.0	4,604.5	4,656.4	4,636.4	14.0	12.8	174.98	-13.6	102.1	376.4	349.3	27.06	13.908	
4,675.0	4,629.0	4,679.7	4,659.6	14.1	12.8	174.99	-13.4	104.1	379.3	352.0	27.26	13.914	
4,700.0	4,653.5	4,700.0	4,679.9	14.2	12.9	175.00	-13.2	105.8	382.2	354.8	27.43	13.936	
4,725.0	4,678.0	4,726.3	4,706.1	14.3	13.0	175.02	-13.0	107.9	385.3	357.6	27.64	13.939	
4,750.0	4,702.5	4,749.5	4,729.3	14.5	13.1	175.04	-12.8	109.6	388.4	360.6	27.83	13.957	
4,775.0	4,727.0	4,772.8	4,752.4	14.6	13.2	175.05	-12.6	111.2	391.7	363.6	28.02	13.979	
4,800.0	4,751.5	4,796.0	4,775.6	14.7	13.3	175.07	-12.5	112.7	395.0	366.8	28.21	14.005	
4,825.0	4,776.0	4,819.1	4,798.7	14.8	13.3	175.10	-12.3	114.2	398.5	370.1	28.39	14.037	
4,850.0	4,800.5	4,842.3	4,821.8	14.9	13.4	175.12	-12.2	115.5	402.0	373.4	28.56	14.074	
4,874.1	4,824.1	4,864.6	4,844.1	15.0	13.5	175.15	-12.0	116.7	405.5	376.8	28.74	14.112	
4,875.0	4,825.0	4,865.4	4,844.9	15.0	13.5	175.15	-12.0	116.8	405.7	376.9	28.74	14.113	
4,900.0	4,849.5	4,888.5	4,868.0	15.1	13.6	175.18	-11.9	117.9	409.3	380.4	28.92	14.156	
4,925.0	4,874.0	4,911.6	4,891.1	15.2	13.7	175.21	-11.8	119.0	413.0	383.9	29.09	14.196	
4,950.0	4,898.6	4,934.7	4,914.1	15.3	13.7	175.24	-11.7	120.0	416.7	387.4	29.27	14.236	
4,975.0	4,923.1	4,957.8	4,937.2	15.4	13.8	175.27	-11.6	120.9	420.3	390.9	29.44	14.276	
5,000.0	4,947.7	4,980.8	4,960.2	15.6	13.9	175.30	-11.5	121.6	424.0	394.4	29.62	14.316	
5,025.0	4,972.3	5,003.9	4,983.2	15.7	13.9	175.34	-11.4	122.3	427.6	397.8	29.79	14.356	
5,050.0	4,997.0	5,026.9	5,006.3	15.8	14.0	175.37	-11.4	122.9	431.3	401.3	29.95	14.400	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
5,075.0	5,021.6	5,049.9	5,029.3	15.9	14.1	175.40	-11.3	123.4	434.9	404.8	30.11	14.443	
5,100.0	5,046.3	5,072.9	5,052.3	16.0	14.1	175.44	-11.3	123.9	438.5	408.2	30.27	14.485	
5,125.0	5,071.0	5,095.9	5,075.3	16.1	14.2	175.47	-11.2	124.2	442.1	411.7	30.43	14.529	
5,150.0	5,095.7	5,118.9	5,098.3	16.2	14.2	175.50	-11.2	124.4	445.7	415.1	30.56	14.583	
5,175.0	5,120.4	5,141.9	5,121.2	16.3	14.3	175.54	-11.2	124.6	449.3	418.6	30.69	14.640	
5,200.0	5,145.1	5,165.6	5,145.0	16.4	14.3	175.57	-11.2	124.6	452.9	422.0	30.82	14.692	
5,225.0	5,169.9	5,189.5	5,168.9	16.5	14.3	175.61	-11.2	124.6	456.4	425.4	30.93	14.755	
5,250.0	5,194.6	5,214.3	5,193.6	16.6	14.3	175.65	-11.2	124.6	459.8	428.7	31.05	14.808	
5,275.0	5,219.4	5,239.1	5,218.4	16.7	14.3	175.68	-11.2	124.6	463.1	431.9	31.17	14.855	
5,300.0	5,244.2	5,263.8	5,243.2	16.8	14.3	175.71	-11.2	124.6	466.3	435.0	31.30	14.898	
5,325.0	5,269.0	5,288.7	5,268.0	16.9	14.4	175.74	-11.2	124.6	469.4	438.0	31.42	14.939	
5,350.0	5,293.8	5,313.5	5,292.8	17.0	14.4	175.77	-11.2	124.6	472.4	440.8	31.54	14.976	
5,375.0	5,318.7	5,338.3	5,317.7	17.1	14.4	175.80	-11.2	124.6	475.2	443.6	31.66	15.010	
5,400.0	5,343.5	5,363.2	5,342.5	17.2	14.4	175.82	-11.2	124.6	478.0	446.2	31.78	15.039	
5,425.0	5,368.4	5,388.0	5,367.4	17.3	14.4	175.85	-11.2	124.6	480.6	448.7	31.90	15.067	
5,450.0	5,393.2	5,412.9	5,392.2	17.4	14.4	175.87	-11.2	124.6	483.2	451.2	32.02	15.091	
5,475.0	5,418.1	5,437.8	5,417.1	17.5	14.4	175.90	-11.2	124.6	485.6	453.5	32.14	15.111	
5,500.0	5,443.0	5,462.7	5,442.0	17.6	14.4	175.92	-11.2	124.6	488.0	455.7	32.26	15.128	
5,525.0	5,467.9	5,487.6	5,466.9	17.7	14.5	175.94	-11.2	124.6	490.2	457.8	32.37	15.143	
5,550.0	5,492.8	5,512.5	5,491.8	17.8	14.5	175.96	-11.2	124.6	492.3	459.8	32.49	15.154	
5,575.0	5,517.7	5,537.4	5,516.7	17.9	14.5	175.97	-11.2	124.6	494.3	461.7	32.60	15.163	
5,600.0	5,542.7	5,562.3	5,541.7	18.0	14.5	175.99	-11.2	124.6	496.2	463.5	32.72	15.167	
5,625.0	5,567.6	5,587.2	5,566.6	18.1	14.5	176.01	-11.2	124.6	498.0	465.2	32.83	15.171	
5,650.0	5,592.5	5,612.2	5,591.5	18.2	14.5	176.02	-11.2	124.6	499.7	466.8	32.94	15.171	
5,675.0	5,617.5	5,637.1	5,616.5	18.3	14.5	176.03	-11.2	124.6	501.3	468.2	33.05	15.168	
5,700.0	5,642.5	5,662.1	5,641.5	18.4	14.6	176.05	-11.2	124.6	502.7	469.6	33.16	15.162	
5,725.0	5,667.4	5,687.1	5,666.4	18.5	14.6	176.06	-11.2	124.6	504.1	470.8	33.26	15.155	
5,750.0	5,692.4	5,712.0	5,691.4	18.6	14.6	176.07	-11.2	124.6	505.3	472.0	33.37	15.145	
5,775.0	5,717.4	5,737.0	5,716.4	18.6	14.6	176.08	-11.2	124.6	506.5	473.0	33.47	15.132	
5,800.0	5,742.3	5,762.0	5,741.3	18.7	14.6	176.09	-11.2	124.6	507.5	473.9	33.57	15.116	
5,825.0	5,767.3	5,787.0	5,766.3	18.8	14.6	176.10	-11.2	124.6	508.4	474.7	33.67	15.100	
5,850.0	5,792.3	5,811.9	5,791.3	18.9	14.6	176.10	-11.2	124.6	509.2	475.5	33.77	15.082	
5,875.0	5,817.3	5,836.9	5,816.3	18.9	14.7	176.11	-11.2	124.6	509.9	476.1	33.86	15.060	
5,900.0	5,842.3	5,861.9	5,841.3	19.0	14.7	176.11	-11.2	124.6	510.5	476.6	33.96	15.035	
5,925.0	5,867.3	5,886.9	5,866.3	19.1	14.7	176.12	-11.2	124.6	511.0	477.0	34.04	15.014	
5,950.0	5,892.3	5,911.9	5,891.3	19.1	14.7	176.12	-11.2	124.6	511.4	477.3	34.12	14.990	
5,975.0	5,917.3	5,936.9	5,916.3	19.2	14.7	176.12	-11.2	124.6	511.7	477.5	34.20	14.963	
6,000.0	5,942.3	5,961.9	5,941.3	19.3	14.7	176.12	-11.2	124.6	511.8	477.5	34.28	14.932	
6,024.1	5,966.4	5,986.0	5,965.4	19.3	14.7	-104.79	-11.2	124.6	511.9	477.6	34.31	14.918	
6,025.0	5,967.3	5,986.9	5,966.3	19.3	14.7	-104.79	-11.2	124.6	511.9	477.6	34.31	14.918	
6,050.0	5,992.3	6,011.9	5,991.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.5	34.33	14.909	
6,075.0	6,017.3	6,036.9	6,016.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.5	34.35	14.900	
6,100.0	6,042.3	6,061.9	6,041.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.5	34.37	14.891	
6,125.0	6,067.3	6,086.9	6,066.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.5	34.40	14.881	
6,150.0	6,092.3	6,111.9	6,091.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.4	34.42	14.871	
6,175.0	6,117.3	6,136.9	6,116.3	19.3	14.8	-104.79	-11.2	124.6	511.9	477.4	34.44	14.861	
6,200.0	6,142.3	6,161.9	6,141.3	19.4	14.8	-104.79	-11.2	124.6	511.9	477.4	34.47	14.851	
6,225.0	6,167.3	6,186.9	6,166.3	19.4	14.8	-104.79	-11.2	124.6	511.9	477.4	34.49	14.841	
6,250.0	6,192.3	6,211.9	6,191.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.4	34.51	14.831	
6,275.0	6,217.3	6,236.9	6,216.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.3	34.54	14.821	
6,300.0	6,242.3	6,261.9	6,241.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.3	34.56	14.811	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Angle (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
6,325.0	6,267.3	6,286.9	6,266.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.3	34.58	14.801	
6,350.0	6,292.3	6,311.9	6,291.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.3	34.61	14.791	
6,375.0	6,317.3	6,336.9	6,316.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.2	34.63	14.780	
6,400.0	6,342.3	6,361.9	6,341.3	19.4	14.9	-104.79	-11.2	124.6	511.9	477.2	34.65	14.770	
6,425.0	6,367.3	6,386.9	6,366.3	19.4	15.0	-104.79	-11.2	124.6	511.9	477.2	34.68	14.760	
6,450.0	6,392.3	6,411.9	6,391.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.2	34.70	14.750	
6,475.0	6,417.3	6,436.9	6,416.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.1	34.73	14.740	
6,500.0	6,442.3	6,461.9	6,441.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.1	34.75	14.730	
6,525.0	6,467.3	6,486.9	6,466.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.1	34.77	14.720	
6,550.0	6,492.3	6,511.9	6,491.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.1	34.80	14.710	
6,575.0	6,517.3	6,536.9	6,516.3	19.5	15.0	-104.79	-11.2	124.6	511.9	477.0	34.82	14.700	
6,600.0	6,542.3	6,561.9	6,541.3	19.5	15.1	-104.79	-11.2	124.6	511.9	477.0	34.84	14.690	
6,625.0	6,567.3	6,586.9	6,566.3	19.5	15.1	-104.79	-11.2	124.6	511.9	477.0	34.87	14.680	
6,650.0	6,592.3	6,611.9	6,591.3	19.5	15.1	-104.79	-11.2	124.6	511.9	477.0	34.89	14.670	
6,675.0	6,617.3	6,636.9	6,616.3	19.6	15.1	-104.79	-11.2	124.6	511.9	477.0	34.92	14.660	
6,700.0	6,642.3	6,661.9	6,641.3	19.6	15.1	-104.79	-11.2	124.6	511.9	476.9	34.94	14.650	
6,725.0	6,667.3	6,686.9	6,666.3	19.6	15.1	-104.79	-11.2	124.6	511.9	476.9	34.96	14.640	
6,750.0	6,692.3	6,711.9	6,691.3	19.6	15.1	-104.79	-11.2	124.6	511.9	476.9	34.99	14.630	
6,775.0	6,717.3	6,736.9	6,716.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.9	35.01	14.620	
6,800.0	6,742.3	6,761.9	6,741.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.8	35.04	14.610	
6,825.0	6,767.3	6,786.9	6,766.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.8	35.06	14.600	
6,850.0	6,792.3	6,811.9	6,791.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.8	35.08	14.590	
6,875.0	6,817.3	6,836.9	6,816.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.8	35.11	14.580	
6,900.0	6,842.3	6,861.9	6,841.3	19.6	15.2	-104.79	-11.2	124.6	511.9	476.7	35.13	14.570	
6,925.0	6,867.3	6,886.9	6,866.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.7	35.16	14.560	
6,950.0	6,892.3	6,911.9	6,891.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.7	35.18	14.550	
6,975.0	6,917.3	6,936.9	6,916.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.7	35.21	14.539	
7,000.0	6,942.3	6,961.9	6,941.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.6	35.23	14.529	
7,025.0	6,967.3	6,986.9	6,966.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.6	35.25	14.519	
7,050.0	6,992.3	7,011.9	6,991.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.6	35.28	14.509	
7,075.0	7,017.3	7,036.9	7,016.3	19.7	15.3	-104.79	-11.2	124.6	511.9	476.6	35.30	14.499	
7,100.0	7,042.3	7,061.9	7,041.3	19.7	15.4	-104.79	-11.2	124.6	511.9	476.5	35.33	14.489	
7,125.0	7,067.3	7,086.9	7,066.3	19.7	15.4	-104.79	-11.2	124.6	511.9	476.5	35.35	14.479	
7,150.0	7,092.3	7,111.9	7,091.3	19.8	15.4	-104.79	-11.2	124.6	511.9	476.5	35.38	14.469	
7,175.0	7,117.3	7,136.9	7,116.3	19.8	15.4	-104.79	-11.2	124.6	511.9	476.5	35.40	14.459	
7,200.0	7,142.3	7,161.9	7,141.3	19.8	15.4	-104.79	-11.2	124.6	511.9	476.4	35.42	14.449	
7,225.0	7,167.3	7,186.9	7,166.3	19.8	15.4	-104.79	-11.2	124.6	511.9	476.4	35.45	14.439	
7,250.0	7,192.3	7,211.9	7,191.3	19.8	15.4	-104.79	-11.2	124.6	511.9	476.4	35.47	14.429	
7,275.0	7,217.3	7,236.9	7,216.3	19.8	15.5	-104.79	-11.2	124.6	511.9	476.4	35.50	14.419	
7,300.0	7,242.3	7,261.9	7,241.3	19.8	15.5	-104.79	-11.2	124.6	511.9	476.3	35.52	14.409	
7,325.0	7,267.3	7,286.9	7,266.3	19.8	15.5	-104.79	-11.2	124.6	511.9	476.3	35.55	14.399	
7,350.0	7,292.3	7,311.9	7,291.3	19.8	15.5	-104.79	-11.2	124.6	511.9	476.3	35.57	14.389	
7,375.0	7,317.3	7,336.9	7,316.3	19.9	15.5	-104.79	-11.2	124.6	511.9	476.3	35.60	14.379	
7,400.0	7,342.3	7,361.9	7,341.3	19.9	15.5	-104.79	-11.2	124.6	511.9	476.2	35.62	14.369	
7,425.0	7,367.3	7,386.9	7,366.3	19.9	15.5	-104.79	-11.2	124.6	511.9	476.2	35.65	14.359	
7,450.0	7,392.3	7,411.9	7,391.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.2	35.67	14.349	
7,475.0	7,417.3	7,436.9	7,416.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.2	35.70	14.339	
7,500.0	7,442.3	7,461.9	7,441.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.1	35.72	14.329	
7,525.0	7,467.3	7,486.9	7,466.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.1	35.75	14.319	
7,550.0	7,492.3	7,511.9	7,491.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.1	35.77	14.309	
7,575.0	7,517.3	7,536.9	7,516.3	19.9	15.6	-104.79	-11.2	124.6	511.9	476.1	35.80	14.299	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
7,600.0	7,542.3	7,561.9	7,541.3	20.0	15.6	-104.79	-11.2	124.6	511.9	476.0	35.82	14.289	
7,625.0	7,567.3	7,586.9	7,566.3	20.0	15.7	-104.79	-11.2	124.6	511.9	476.0	35.85	14.280	
7,650.0	7,592.3	7,611.9	7,591.3	20.0	15.7	-104.79	-11.2	124.6	511.9	476.0	35.87	14.270	
7,675.0	7,617.3	7,636.9	7,616.3	20.0	15.7	-104.79	-11.2	124.6	511.9	476.0	35.90	14.260	
7,700.0	7,642.3	7,661.9	7,641.3	20.0	15.7	-104.79	-11.2	124.6	511.9	475.9	35.92	14.250	
7,725.0	7,667.3	7,686.9	7,666.3	20.0	15.7	-104.79	-11.2	124.6	511.9	475.9	35.95	14.240	
7,750.0	7,692.3	7,711.9	7,691.3	20.0	15.7	-104.79	-11.2	124.6	511.9	475.9	35.97	14.230	
7,775.0	7,717.3	7,736.9	7,716.3	20.0	15.8	-104.79	-11.2	124.6	511.9	475.9	36.00	14.220	
7,800.0	7,742.3	7,761.9	7,741.3	20.0	15.8	-104.79	-11.2	124.6	511.9	475.8	36.02	14.210	
7,825.0	7,767.3	7,786.9	7,766.3	20.1	15.8	-104.79	-11.2	124.6	511.9	475.8	36.05	14.200	
7,850.0	7,792.3	7,811.9	7,791.3	20.1	15.8	-104.79	-11.2	124.6	511.9	475.8	36.07	14.190	
7,875.0	7,817.3	7,836.9	7,816.3	20.1	15.8	-104.79	-11.2	124.6	511.9	475.8	36.10	14.180	
7,900.0	7,842.3	7,861.9	7,841.3	20.1	15.8	-104.79	-11.2	124.6	511.9	475.7	36.12	14.170	
7,925.0	7,867.3	7,886.9	7,866.3	20.1	15.8	-104.79	-11.2	124.6	511.9	475.7	36.15	14.160	
7,950.0	7,892.3	7,911.9	7,891.3	20.1	15.9	-104.79	-11.2	124.6	511.9	475.7	36.17	14.150	
7,975.0	7,917.3	7,936.9	7,916.3	20.1	15.9	-104.79	-11.2	124.6	511.9	475.7	36.20	14.140	
8,000.0	7,942.3	7,961.9	7,941.3	20.1	15.9	-104.79	-11.2	124.6	511.9	475.6	36.22	14.130	
8,025.0	7,967.3	7,986.9	7,966.3	20.1	15.9	-104.79	-11.2	124.6	511.9	475.6	36.25	14.120	
8,050.0	7,992.3	8,011.9	7,991.3	20.2	15.9	-104.79	-11.2	124.6	511.9	475.6	36.28	14.110	
8,075.0	8,017.3	8,036.9	8,016.3	20.2	15.9	-104.79	-11.2	124.6	511.9	475.6	36.30	14.101	
8,100.0	8,042.3	8,061.9	8,041.3	20.2	15.9	-104.79	-11.2	124.6	511.9	475.5	36.33	14.091	
8,125.0	8,067.3	8,086.9	8,066.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.5	36.35	14.081	
8,150.0	8,092.3	8,111.9	8,091.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.5	36.38	14.071	
8,175.0	8,117.3	8,136.9	8,116.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.5	36.40	14.061	
8,200.0	8,142.3	8,161.9	8,141.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.4	36.43	14.051	
8,225.0	8,167.3	8,186.9	8,166.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.4	36.45	14.041	
8,250.0	8,192.3	8,211.9	8,191.3	20.2	16.0	-104.79	-11.2	124.6	511.9	475.4	36.48	14.031	
8,275.0	8,217.3	8,236.9	8,216.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.4	36.51	14.021	
8,300.0	8,242.3	8,261.9	8,241.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.3	36.53	14.011	
8,325.0	8,267.3	8,286.9	8,266.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.3	36.56	14.002	
8,350.0	8,292.3	8,311.9	8,291.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.3	36.58	13.992	
8,375.0	8,317.3	8,336.9	8,316.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.3	36.61	13.982	
8,400.0	8,342.3	8,361.9	8,341.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.2	36.64	13.972	
8,425.0	8,367.3	8,386.9	8,366.3	20.3	16.1	-104.79	-11.2	124.6	511.9	475.2	36.66	13.962	
8,450.0	8,392.3	8,411.9	8,391.3	20.3	16.2	-104.79	-11.2	124.6	511.9	475.2	36.69	13.952	
8,475.0	8,417.3	8,436.9	8,416.3	20.3	16.2	-104.79	-11.2	124.6	511.9	475.2	36.71	13.942	
8,500.0	8,442.3	8,461.9	8,441.3	20.4	16.2	-104.79	-11.2	124.6	511.9	475.1	36.74	13.933	
8,525.0	8,467.3	8,486.9	8,466.3	20.4	16.2	-104.79	-11.2	124.6	511.9	475.1	36.76	13.923	
8,550.0	8,492.3	8,511.9	8,491.3	20.4	16.2	-104.79	-11.2	124.6	511.9	475.1	36.79	13.913	
8,575.0	8,517.3	8,536.9	8,516.3	20.4	16.2	-104.79	-11.2	124.6	511.9	475.1	36.82	13.903	
8,600.0	8,542.3	8,561.9	8,541.3	20.4	16.3	-104.79	-11.2	124.6	511.9	475.0	36.84	13.893	
8,625.0	8,567.3	8,586.9	8,566.3	20.4	16.3	-104.79	-11.2	124.6	511.9	475.0	36.87	13.883	
8,650.0	8,592.3	8,611.9	8,591.3	20.4	16.3	-104.79	-11.2	124.6	511.9	475.0	36.90	13.874	
8,675.0	8,617.3	8,636.9	8,616.3	20.4	16.3	-104.79	-11.2	124.6	511.9	474.9	36.92	13.864	
8,700.0	8,642.3	8,661.9	8,641.3	20.5	16.3	-104.79	-11.2	124.6	511.9	474.9	36.95	13.854	
8,725.0	8,667.3	8,686.9	8,666.3	20.5	16.3	-104.79	-11.2	124.6	511.9	474.9	36.97	13.844	
8,750.0	8,692.3	8,711.9	8,691.3	20.5	16.3	-104.79	-11.2	124.6	511.9	474.9	37.00	13.834	
8,775.0	8,717.3	8,736.9	8,716.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.8	37.03	13.824	
8,800.0	8,742.3	8,761.9	8,741.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.8	37.05	13.815	
8,825.0	8,767.3	8,786.9	8,766.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.8	37.08	13.805	
8,850.0	8,792.3	8,811.9	8,791.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.8	37.11	13.795	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
8,875.0	8,817.3	8,836.9	8,816.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.7	37.13	13.785	
8,900.0	8,842.3	8,861.9	8,841.3	20.5	16.4	-104.79	-11.2	124.6	511.9	474.7	37.16	13.776	
8,925.0	8,867.3	8,886.9	8,866.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.7	37.18	13.766	
8,950.0	8,892.3	8,911.9	8,891.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.7	37.21	13.756	
8,975.0	8,917.3	8,936.9	8,916.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.6	37.24	13.746	
9,000.0	8,942.3	8,961.9	8,941.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.6	37.26	13.736	
9,025.0	8,967.3	8,986.9	8,966.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.6	37.29	13.727	
9,050.0	8,992.3	9,011.9	8,991.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.6	37.32	13.717	
9,075.0	9,017.3	9,036.9	9,016.3	20.6	16.5	-104.79	-11.2	124.6	511.9	474.5	37.34	13.707	
9,100.0	9,042.3	9,061.9	9,041.3	20.6	16.6	-104.79	-11.2	124.6	511.9	474.5	37.37	13.697	
9,125.0	9,067.3	9,086.9	9,066.3	20.7	16.6	-104.79	-11.2	124.6	511.9	474.5	37.39	13.689	
9,150.0	9,092.3	9,111.9	9,091.3	20.7	16.6	-104.79	-11.2	124.6	511.9	474.5	37.42	13.680	
9,175.0	9,117.3	9,136.9	9,116.3	20.7	16.6	-104.79	-11.2	124.6	511.9	474.4	37.44	13.671	
9,179.3	9,121.5	9,141.2	9,120.5	20.7	16.6	-104.79	-11.2	124.6	511.9	474.4	37.45	13.670	
9,200.0	9,142.3	9,161.9	9,141.3	20.7	16.6	-104.76	-11.2	124.6	512.0	474.5	37.46	13.669 SF	
9,225.0	9,167.2	9,186.9	9,166.2	20.7	16.6	-104.90	-11.2	124.6	512.4	475.0	37.47	13.676	
9,250.0	9,192.0	9,211.7	9,191.0	20.7	16.7	-105.13	-11.2	124.6	513.2	475.7	37.48	13.693	
9,275.0	9,216.6	9,236.3	9,215.6	20.7	16.7	-105.46	-11.2	124.6	514.4	476.9	37.49	13.722	
9,300.0	9,241.0	9,260.6	9,240.0	20.7	16.7	-105.86	-11.2	124.6	515.9	478.4	37.49	13.763	
9,325.0	9,265.0	9,284.7	9,264.0	20.7	16.7	-106.34	-11.2	124.6	517.9	480.4	37.48	13.818	
9,350.0	9,288.7	9,308.3	9,287.7	20.7	16.7	-106.88	-11.2	124.6	520.4	482.9	37.47	13.888	
9,375.0	9,311.8	9,331.5	9,310.8	20.7	16.7	-107.45	-11.2	124.6	523.3	485.9	37.45	13.975	
9,400.0	9,334.5	9,354.1	9,333.5	20.7	16.7	-108.05	-11.2	124.6	526.8	489.4	37.41	14.081	
9,425.0	9,356.6	9,376.2	9,355.6	20.7	16.8	-108.65	-11.2	124.6	531.0	493.6	37.37	14.209	
9,450.0	9,378.0	9,397.6	9,377.0	20.7	16.8	-109.24	-11.2	124.6	535.8	498.4	37.31	14.360	
9,475.0	9,398.7	9,418.4	9,397.7	20.7	16.8	-109.79	-11.2	124.6	541.3	504.0	37.24	14.536	
9,500.0	9,418.7	9,438.3	9,417.7	20.7	16.8	-110.29	-11.2	124.6	547.5	510.4	37.15	14.739	
9,525.0	9,437.9	9,457.5	9,436.9	20.7	16.8	-110.72	-11.2	124.6	554.6	517.5	37.04	14.972	
9,550.0	9,456.1	9,475.8	9,455.1	20.7	16.8	-111.04	-11.2	124.6	562.4	525.5	36.92	15.236	
9,575.0	9,473.5	9,493.1	9,472.5	20.7	16.8	-111.25	-11.2	124.6	571.2	534.4	36.78	15.531	
9,600.0	9,489.9	9,509.5	9,488.9	20.7	16.8	-111.33	-11.2	124.6	580.8	544.2	36.62	15.860	
9,625.0	9,505.3	9,524.9	9,504.3	20.8	16.8	-111.25	-11.2	124.6	591.4	554.9	36.45	16.223	
9,650.0	9,519.6	9,539.3	9,518.6	20.8	16.9	-110.99	-11.2	124.6	602.8	566.6	36.27	16.620	
9,675.0	9,532.9	9,552.5	9,531.9	20.8	16.9	-110.53	-11.2	124.6	615.2	579.1	36.08	17.052	
9,700.0	9,545.0	9,564.7	9,544.0	20.8	16.9	-109.86	-11.2	124.6	628.4	592.5	35.87	17.517	
9,725.0	9,556.0	9,575.6	9,555.0	20.8	16.9	-108.94	-11.2	124.6	642.5	606.8	35.66	18.015	
9,750.0	9,565.8	9,585.4	9,564.8	20.8	16.9	-107.76	-11.2	124.6	657.4	621.9	35.45	18.545	
9,775.0	9,574.3	9,593.9	9,573.3	20.9	16.9	-106.30	-11.2	124.6	673.1	637.8	35.23	19.106	
9,800.0	9,581.6	9,601.3	9,580.6	20.9	16.9	-104.53	-11.2	124.6	689.5	654.5	35.01	19.696	
9,825.0	9,587.7	9,607.3	9,586.7	20.9	16.9	-102.44	-11.2	124.6	706.6	671.8	34.79	20.312	
9,850.0	9,592.4	9,612.1	9,591.4	20.9	16.9	-100.01	-11.2	124.6	724.3	689.7	34.57	20.954	
9,875.0	9,595.9	9,615.6	9,594.9	21.0	16.9	-97.23	-11.2	124.6	742.5	708.2	34.35	21.617	
9,900.0	9,598.1	9,617.8	9,597.1	21.0	16.9	-94.09	-11.2	124.6	761.3	727.1	34.14	22.301	
9,925.0	9,599.0	9,618.6	9,598.0	21.0	16.9	-90.62	-11.2	124.6	780.4	746.5	33.93	23.002	
9,925.6	9,599.0	9,618.6	9,598.0	21.0	16.9	-90.54	-11.2	124.6	780.9	746.9	33.92	23.018	
9,950.0	9,599.2	9,618.8	9,598.2	21.1	16.9	-90.56	-11.2	124.6	799.9	766.2	33.73	23.715	
9,975.0	9,599.4	9,619.0	9,598.4	21.1	16.9	-90.59	-11.2	124.6	819.7	786.2	33.54	24.442	
10,000.0	9,599.6	9,619.2	9,598.6	21.1	16.9	-90.61	-11.2	124.6	839.8	806.4	33.35	25.180	
10,025.0	9,599.8	9,619.4	9,598.8	21.2	16.9	-90.63	-11.2	124.6	860.1	826.9	33.17	25.926	
10,050.0	9,600.0	9,619.6	9,599.0	21.2	16.9	-90.65	-11.2	124.6	880.6	847.6	33.00	26.682	
10,075.0	9,600.2	9,619.8	9,599.2	21.3	16.9	-90.67	-11.2	124.6	901.4	868.6	32.84	27.448	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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											Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
10,100.0	9,600.3	9,620.0	9,599.3	21.3	16.9	-90.70	-11.2	124.6	922.4	889.7	32.68	28.223	
10,125.0	9,600.5	9,620.2	9,599.5	21.4	16.9	-90.72	-11.2	124.6	943.6	911.1	32.53	29.003	
10,150.0	9,600.7	9,620.4	9,599.7	21.5	16.9	-90.74	-11.2	124.6	965.0	932.6	32.39	29.791	
10,175.0	9,600.9	9,620.6	9,599.9	21.5	16.9	-90.76	-11.2	124.6	986.5	954.3	32.25	30.585	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		Offset		Semi Major Axis		Offset Wellbore Centre			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
0.0	0.0	0.0	0.0	0.0	0.0	-90.34	-1.2	-200.0	200.0								
25.0	25.0	24.1	24.1	0.5	0.1	-90.34	-1.2	-200.0	200.0								
50.0	50.0	49.1	49.1	0.5	0.3	-90.34	-1.2	-200.0	200.0	198.7	1.27	157.317					
75.0	75.0	74.1	74.1	0.5	0.4	-90.34	-1.2	-200.0	200.0	198.6	1.36	146.609					
100.0	100.0	99.1	99.1	0.5	0.5	-90.34	-1.2	-200.0	200.0	198.5	1.48	135.113					
125.0	125.0	124.1	124.1	0.6	0.6	-90.34	-1.2	-200.0	200.0	198.3	1.73	115.869					
150.0	150.0	149.1	149.1	0.8	0.8	-90.34	-1.2	-200.0	200.0	198.0	1.97	101.429					
175.0	175.0	174.1	174.1	0.9	0.9	-90.34	-1.2	-200.0	200.0	197.8	2.22	90.189					
200.0	200.0	199.1	199.1	1.0	1.0	-90.34	-1.2	-200.0	200.0	197.5	2.46	81.192					
225.0	225.0	224.1	224.1	1.1	1.1	-90.34	-1.2	-200.0	200.0	197.4	2.62	76.211					
250.0	250.0	249.1	249.1	1.2	1.2	-90.34	-1.2	-200.0	200.0	197.2	2.78	71.846					
275.0	275.0	274.1	274.1	1.3	1.3	-90.34	-1.2	-200.0	200.0	197.1	2.94	67.954					
300.0	300.0	299.1	299.1	1.4	1.4	-90.34	-1.2	-200.0	200.0	196.9	3.10	64.462					
325.0	325.0	324.1	324.1	1.4	1.4	-90.34	-1.2	-200.0	200.0	196.8	3.23	61.903					
350.0	350.0	349.1	349.1	1.5	1.5	-90.34	-1.2	-200.0	200.0	196.6	3.36	59.550					
375.0	375.0	374.1	374.1	1.6	1.6	-90.34	-1.2	-200.0	200.0	196.5	3.49	57.369					
400.0	400.0	399.1	399.1	1.6	1.6	-90.34	-1.2	-200.0	200.0	196.4	3.61	55.342					
425.0	425.0	424.1	424.1	1.7	1.7	-90.34	-1.2	-200.0	200.0	196.3	3.72	53.709					
450.0	450.0	449.1	449.1	1.8	1.8	-90.34	-1.2	-200.0	200.0	196.2	3.83	52.173					
475.0	475.0	474.1	474.1	1.8	1.8	-90.34	-1.2	-200.0	200.0	196.1	3.94	50.722					
500.0	500.0	499.1	499.1	1.9	1.9	-90.34	-1.2	-200.0	200.0	196.0	4.05	49.350					
525.0	525.0	524.1	524.1	1.9	1.9	-90.34	-1.2	-200.0	200.0	195.9	4.15	48.188					
550.0	550.0	549.1	549.1	2.0	2.0	-90.34	-1.2	-200.0	200.0	195.8	4.25	47.081					
575.0	575.0	574.1	574.1	2.1	2.1	-90.34	-1.2	-200.0	200.0	195.7	4.35	46.024					
600.0	600.0	599.1	599.1	2.1	2.1	-90.34	-1.2	-200.0	200.0	195.6	4.44	45.013					
625.0	625.0	624.1	624.1	2.2	2.2	-90.34	-1.2	-200.0	200.0	195.5	4.53	44.130					
650.0	650.0	649.1	649.1	2.2	2.2	-90.34	-1.2	-200.0	200.0	195.4	4.62	43.282					
675.0	675.0	674.1	674.1	2.3	2.3	-90.34	-1.2	-200.0	200.0	195.3	4.71	42.466					
700.0	700.0	699.1	699.1	2.3	2.3	-90.34	-1.2	-200.0	200.0	195.2	4.80	41.680					
725.0	725.0	724.1	724.1	2.4	2.4	-90.34	-1.2	-200.0	200.0	195.1	4.88	40.978					
750.0	750.0	749.1	749.1	2.4	2.4	-90.34	-1.2	-200.0	200.0	195.0	4.96	40.301					
775.0	775.0	774.1	774.1	2.5	2.5	-90.34	-1.2	-200.0	200.0	195.0	5.04	39.646					
800.0	800.0	799.1	799.1	2.5	2.5	-90.34	-1.2	-200.0	200.0	194.9	5.13	39.011					
825.0	825.0	824.1	824.1	2.6	2.6	-90.34	-1.2	-200.0	200.0	194.8	5.20	38.436					
850.0	850.0	849.1	849.1	2.6	2.6	-90.34	-1.2	-200.0	200.0	194.7	5.28	37.879					
875.0	875.0	874.1	874.1	2.6	2.6	-90.34	-1.2	-200.0	200.0	194.6	5.36	37.337					
900.0	900.0	899.1	899.1	2.7	2.7	-90.34	-1.2	-200.0	200.0	194.6	5.43	36.810					
925.0	925.0	924.1	924.1	2.7	2.7	-90.34	-1.2	-200.0	200.0	194.5	5.51	36.327					
950.0	950.0	949.1	949.1	2.8	2.8	-90.34	-1.2	-200.0	200.0	194.4	5.58	35.858					
975.0	975.0	974.1	974.1	2.8	2.8	-90.34	-1.2	-200.0	200.0	194.4	5.65	35.400					
1,000.0	1,000.0	999.1	999.1	2.9	2.9	-90.34	-1.2	-200.0	200.0	194.3	5.72	34.953					
1,025.0	1,025.0	1,024.1	1,024.1	2.9	2.9	-90.34	-1.2	-200.0	200.0	194.2	5.79	34.540					
1,050.0	1,050.0	1,049.1	1,049.1	3.0	3.0	-90.34	-1.2	-200.0	200.0	194.1	5.86	34.137					
1,075.0	1,075.0	1,074.1	1,074.1	3.0	3.0	-90.34	-1.2	-200.0	200.0	194.1	5.93	33.743					
1,100.0	1,100.0	1,099.1	1,099.1	3.0	3.0	-90.34	-1.2	-200.0	200.0	194.0	6.00	33.359					
1,125.0	1,125.0	1,124.1	1,124.1	3.1	3.1	-90.34	-1.2	-200.0	200.0	193.9	6.06	33.000					
1,150.0	1,150.0	1,149.1	1,149.1	3.1	3.1	-90.34	-1.2	-200.0	200.0	193.9	6.13	32.649					
1,175.0	1,175.0	1,174.1	1,174.1	3.2	3.2	-90.34	-1.2	-200.0	200.0	193.8	6.19	32.305					
1,200.0	1,200.0	1,199.1	1,199.1	3.2	3.2	-90.34	-1.2	-200.0	200.0	193.7	6.26	31.969					
1,225.0	1,225.0	1,224.1	1,224.1	3.2	3.2	-90.34	-1.2	-200.0	200.0	193.7	6.32	31.653					
1,250.0	1,250.0	1,249.1	1,249.1	3.3	3.3	-90.34	-1.2	-200.0	200.0	193.6	6.38	31.344					

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
1,275.0	1,275.0	1,274.1	1,274.1	3.3	3.3	-90.34	-1.2	-200.0	200.0	193.6	6.44	31.041	
1,300.0	1,300.0	1,299.1	1,299.1	3.4	3.4	-90.34	-1.2	-200.0	200.0	193.5	6.51	30.744	
1,325.0	1,325.0	1,324.1	1,324.1	3.4	3.4	-90.34	-1.2	-200.0	200.0	193.4	6.57	30.463	
1,350.0	1,350.0	1,349.1	1,349.1	3.4	3.4	-90.34	-1.2	-200.0	200.0	193.4	6.63	30.188	
1,375.0	1,375.0	1,374.1	1,374.1	3.5	3.5	-90.34	-1.2	-200.0	200.0	193.3	6.69	29.918	
1,400.0	1,400.0	1,399.1	1,399.1	3.5	3.5	-90.34	-1.2	-200.0	200.0	193.3	6.74	29.652	
1,425.0	1,425.0	1,424.1	1,424.1	3.6	3.6	-90.34	-1.2	-200.0	200.0	193.2	6.80	29.401	
1,450.0	1,450.0	1,449.1	1,449.1	3.6	3.6	-90.34	-1.2	-200.0	200.0	193.1	6.86	29.154	
1,475.0	1,475.0	1,474.1	1,474.1	3.6	3.6	-90.34	-1.2	-200.0	200.0	193.1	6.92	28.911	
1,500.0	1,500.0	1,499.1	1,499.1	3.7	3.7	-90.34	-1.2	-200.0	200.0	193.0	6.98	28.672	
1,525.0	1,525.0	1,524.1	1,524.1	3.7	3.7	-90.34	-1.2	-200.0	200.0	193.0	7.03	28.445	
1,550.0	1,550.0	1,549.1	1,549.1	3.8	3.8	-90.34	-1.2	-200.0	200.0	192.9	7.09	28.221	
1,575.0	1,575.0	1,574.1	1,574.1	3.8	3.8	-90.34	-1.2	-200.0	200.0	192.9	7.14	28.001	
1,600.0	1,600.0	1,599.1	1,599.1	3.8	3.8	-90.34	-1.2	-200.0	200.0	192.8	7.20	27.785	
1,625.0	1,625.0	1,624.1	1,624.1	3.9	3.9	-90.34	-1.2	-200.0	200.0	192.8	7.25	27.578	
1,650.0	1,650.0	1,649.1	1,649.1	3.9	3.9	-90.34	-1.2	-200.0	200.0	192.7	7.31	27.375	
1,675.0	1,675.0	1,674.1	1,674.1	3.9	3.9	-90.34	-1.2	-200.0	200.0	192.6	7.36	27.174	
1,700.0	1,700.0	1,699.1	1,699.1	4.0	4.0	-90.34	-1.2	-200.0	200.0	192.6	7.41	26.977	
1,725.0	1,725.0	1,724.1	1,724.1	4.0	4.0	-90.34	-1.2	-200.0	200.0	192.5	7.47	26.788	
1,750.0	1,750.0	1,749.1	1,749.1	4.1	4.1	-90.34	-1.2	-200.0	200.0	192.5	7.52	26.602	
1,775.0	1,775.0	1,774.1	1,774.1	4.1	4.1	-90.34	-1.2	-200.0	200.0	192.4	7.57	26.418	
1,800.0	1,800.0	1,799.1	1,799.1	4.1	4.1	-90.34	-1.2	-200.0	200.0	192.4	7.62	26.237	
1,825.0	1,825.0	1,824.1	1,824.1	4.2	4.2	-90.34	-1.2	-200.0	200.0	192.3	7.67	26.063	
1,850.0	1,850.0	1,849.1	1,849.1	4.2	4.2	-90.34	-1.2	-200.0	200.0	192.3	7.72	25.892	
1,875.0	1,875.0	1,874.1	1,874.1	4.2	4.2	-90.34	-1.2	-200.0	200.0	192.2	7.78	25.723	
1,900.0	1,900.0	1,899.1	1,899.1	4.3	4.3	-90.34	-1.2	-200.0	200.0	192.2	7.83	25.556	
1,925.0	1,925.0	1,924.1	1,924.1	4.3	4.3	-90.34	-1.2	-200.0	200.0	192.1	7.88	25.396	
1,950.0	1,950.0	1,949.1	1,949.1	4.3	4.3	-90.34	-1.2	-200.0	200.0	192.1	7.92	25.237	
1,975.0	1,975.0	1,974.1	1,974.1	4.4	4.4	-90.34	-1.2	-200.0	200.0	192.0	7.97	25.081	
2,000.0	2,000.0	1,999.1	1,999.1	4.4	4.4	-90.34	-1.2	-200.0	200.0	192.0	8.02	24.926 CC, ES	
2,025.0	2,025.0	2,022.8	2,022.8	4.4	4.4	-169.42	-1.1	-200.1	200.2	192.1	8.12	24.656	
2,050.0	2,050.0	2,046.5	2,046.5	4.5	4.5	-169.38	-1.0	-200.3	200.8	192.5	8.22	24.437	
2,075.0	2,075.0	2,070.1	2,070.1	4.5	4.5	-169.33	-0.7	-200.7	201.7	193.4	8.31	24.269	
2,100.0	2,100.0	2,093.7	2,093.7	4.5	4.6	-169.25	-0.3	-201.2	203.0	194.6	8.41	24.150	
2,125.0	2,125.0	2,117.3	2,117.2	4.6	4.6	-169.15	0.2	-202.0	204.7	196.2	8.54	23.968	
2,150.0	2,149.9	2,140.8	2,140.7	4.6	4.7	-169.03	0.8	-202.8	206.8	198.2	8.68	23.821	
2,175.0	2,174.9	2,164.3	2,164.2	4.7	4.7	-168.89	1.5	-203.8	209.3	200.5	8.82	23.721	
2,200.0	2,199.8	2,187.7	2,187.6	4.7	4.8	-168.73	2.4	-205.0	212.2	203.2	8.96	23.668	
2,225.0	2,224.8	2,211.1	2,210.9	4.7	4.8	-168.56	3.3	-206.3	215.4	206.3	9.11	23.652 SF	
2,250.0	2,249.7	2,234.3	2,234.1	4.8	4.9	-168.37	4.3	-207.8	219.0	209.8	9.25	23.675	
2,275.0	2,274.6	2,257.5	2,257.2	4.8	4.9	-168.17	5.5	-209.4	223.0	213.6	9.39	23.739	
2,300.0	2,299.5	2,280.6	2,280.2	4.9	5.0	-167.96	6.8	-211.2	227.4	217.8	9.54	23.842	
2,325.0	2,324.3	2,303.6	2,303.1	4.9	5.0	-167.74	8.1	-213.1	232.1	222.4	9.68	23.974	
2,350.0	2,349.1	2,326.5	2,325.8	5.0	5.1	-167.51	9.6	-215.2	237.2	227.4	9.83	24.134	
2,375.0	2,373.9	2,349.3	2,348.5	5.1	5.2	-167.27	11.1	-217.3	242.7	232.8	9.98	24.328	
2,400.0	2,398.7	2,372.0	2,370.9	5.1	5.2	-167.03	12.8	-219.7	248.6	238.5	10.12	24.557	
2,425.0	2,423.4	2,394.5	2,393.3	5.2	5.3	-166.78	14.5	-222.1	254.8	244.6	10.27	24.807	
2,450.0	2,448.2	2,418.2	2,416.7	5.3	5.4	-166.53	16.4	-224.8	261.4	251.0	10.42	25.092	
2,475.0	2,472.8	2,442.3	2,440.5	5.4	5.4	-166.29	18.4	-227.5	268.2	257.6	10.56	25.393	
2,500.0	2,497.5	2,466.2	2,464.3	5.4	5.5	-166.07	20.3	-230.2	275.1	264.4	10.70	25.706	
2,525.0	2,522.1	2,490.2	2,488.0	5.5	5.5	-165.87	22.2	-233.0	282.3	271.5	10.83	26.071	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
2,550.0	2,546.6	2,514.1	2,511.6	5.6	5.6	-165.68	24.1	-235.7	289.7	278.8	10.96	26.443	
2,575.0	2,571.2	2,537.9	2,535.2	5.7	5.7	-165.52	26.1	-238.4	297.3	286.2	11.08	26.822	
2,600.0	2,595.6	2,561.6	2,558.8	5.7	5.7	-165.40	28.0	-241.1	305.0	293.8	11.20	27.243	
2,625.0	2,620.1	2,585.4	2,582.3	5.8	5.8	-165.29	29.9	-243.8	312.7	301.4	11.33	27.594	
2,650.0	2,644.6	2,609.2	2,605.9	5.9	5.8	-165.19	31.8	-246.5	320.4	308.9	11.47	27.935	
2,675.0	2,669.1	2,633.0	2,629.4	5.9	5.9	-165.09	33.7	-249.2	328.1	316.5	11.61	28.264	
2,700.0	2,693.6	2,656.8	2,653.0	6.0	6.0	-164.99	35.7	-251.9	335.8	324.0	11.75	28.585	
2,725.0	2,718.1	2,680.6	2,676.5	6.1	6.0	-164.90	37.6	-254.6	343.5	331.6	11.89	28.892	
2,750.0	2,742.6	2,704.3	2,700.1	6.2	6.1	-164.82	39.5	-257.3	351.2	339.1	12.03	29.191	
2,775.0	2,767.1	2,728.1	2,723.6	6.3	6.2	-164.73	41.4	-260.0	358.9	346.7	12.17	29.478	
2,800.0	2,791.6	2,751.9	2,747.2	6.4	6.2	-164.65	43.3	-262.7	366.6	354.2	12.32	29.759	
2,825.0	2,816.1	2,775.7	2,770.7	6.4	6.3	-164.58	45.2	-265.4	374.3	361.8	12.47	30.023	
2,850.0	2,840.6	2,799.5	2,794.3	6.5	6.4	-164.51	47.2	-268.0	382.0	369.3	12.61	30.280	
2,875.0	2,865.1	2,823.2	2,817.8	6.6	6.5	-164.43	49.1	-270.7	389.7	376.9	12.76	30.528	
2,900.0	2,889.6	2,847.0	2,841.4	6.7	6.5	-164.37	51.0	-273.4	397.4	384.4	12.91	30.769	
2,925.0	2,914.1	2,870.8	2,864.9	6.8	6.6	-164.30	52.9	-276.1	405.1	392.0	13.07	30.996	
2,950.0	2,938.6	2,894.6	2,888.5	6.9	6.7	-164.24	54.8	-278.8	412.8	399.5	13.22	31.218	
2,975.0	2,963.1	2,918.4	2,912.0	7.0	6.8	-164.18	56.8	-281.5	420.5	407.1	13.38	31.432	
3,000.0	2,987.6	2,942.1	2,935.6	7.1	6.8	-164.12	58.7	-284.2	428.2	414.6	13.53	31.639	
3,025.0	3,012.1	2,965.9	2,959.1	7.2	6.9	-164.07	60.6	-286.9	435.9	422.2	13.69	31.835	
3,050.0	3,036.6	2,989.7	2,982.7	7.2	7.0	-164.01	62.5	-289.6	443.6	429.7	13.85	32.027	
3,075.0	3,061.1	3,013.5	3,006.2	7.3	7.1	-163.96	64.4	-292.3	451.3	437.3	14.01	32.212	
3,100.0	3,085.6	3,037.3	3,029.8	7.4	7.2	-163.91	66.3	-295.0	459.0	444.8	14.17	32.391	
3,125.0	3,110.1	3,061.0	3,053.3	7.5	7.2	-163.86	68.3	-297.7	466.7	452.3	14.33	32.560	
3,150.0	3,134.6	3,084.8	3,076.9	7.6	7.3	-163.81	70.2	-300.4	474.4	459.9	14.50	32.726	
3,175.0	3,159.1	3,108.6	3,100.4	7.7	7.4	-163.77	72.1	-303.1	482.1	467.4	14.66	32.887	
3,200.0	3,183.6	3,132.4	3,124.0	7.8	7.5	-163.72	74.0	-305.8	489.8	475.0	14.82	33.042	
3,225.0	3,208.1	3,156.2	3,147.5	7.9	7.6	-163.68	75.9	-308.5	497.5	482.5	14.99	33.189	
3,250.0	3,232.6	3,179.9	3,171.0	8.0	7.7	-163.64	77.8	-311.2	505.2	490.0	15.16	33.332	
3,275.0	3,257.1	3,203.7	3,194.6	8.1	7.7	-163.60	79.8	-313.9	512.9	497.6	15.32	33.479	
3,300.0	3,281.6	3,228.8	3,219.4	8.2	7.8	-163.56	81.8	-316.7	520.6	505.1	15.49	33.606	
3,325.0	3,306.1	3,254.6	3,245.0	8.3	7.9	-163.52	83.8	-319.6	528.2	512.5	15.68	33.691	
3,350.0	3,330.6	3,280.5	3,270.7	8.4	8.0	-163.50	85.7	-322.3	535.7	519.8	15.86	33.767	
3,375.0	3,355.1	3,306.5	3,296.5	8.5	8.1	-163.48	87.6	-325.0	543.1	527.1	16.05	33.839	
3,400.0	3,379.6	3,332.6	3,322.4	8.6	8.2	-163.47	89.4	-327.5	550.4	534.2	16.23	33.912	
3,425.0	3,404.1	3,358.7	3,348.3	8.7	8.3	-163.46	91.2	-330.0	557.7	541.3	16.41	33.974	
3,450.0	3,428.6	3,384.9	3,374.3	8.8	8.4	-163.46	92.9	-332.4	564.8	548.2	16.60	34.029	
3,475.0	3,453.1	3,411.1	3,400.4	8.9	8.5	-163.47	94.5	-334.7	571.8	555.1	16.78	34.078	
3,500.0	3,477.6	3,437.4	3,426.6	9.0	8.6	-163.49	96.1	-336.9	578.8	561.8	16.96	34.121	
3,525.0	3,502.1	3,463.8	3,452.8	9.1	8.7	-163.51	97.6	-339.0	585.6	568.5	17.15	34.155	
3,550.0	3,526.6	3,490.2	3,479.1	9.2	8.8	-163.53	99.0	-341.0	592.4	575.1	17.33	34.182	
3,575.0	3,551.1	3,516.6	3,505.5	9.3	8.9	-163.56	100.4	-342.9	599.0	581.5	17.51	34.205	
3,600.0	3,575.6	3,543.2	3,531.9	9.4	8.9	-163.60	101.7	-344.7	605.6	587.9	17.70	34.223	
3,625.0	3,600.1	3,569.8	3,558.4	9.5	9.0	-163.64	102.9	-346.4	612.1	594.2	17.88	34.233	
3,650.0	3,624.6	3,596.4	3,585.0	9.6	9.1	-163.69	104.0	-348.1	618.4	600.4	18.06	34.237	
3,675.0	3,649.1	3,623.1	3,611.6	9.7	9.2	-163.74	105.1	-349.6	624.7	606.5	18.24	34.241	
3,700.0	3,673.6	3,649.8	3,638.3	9.9	9.3	-163.79	106.1	-351.0	630.9	612.5	18.43	34.239	
3,725.0	3,698.1	3,676.6	3,665.0	10.0	9.4	-163.86	107.1	-352.4	637.0	618.4	18.61	34.230	
3,750.0	3,722.6	3,703.5	3,691.8	10.1	9.5	-163.92	108.0	-353.6	642.9	624.2	18.79	34.216	
3,775.0	3,747.1	3,730.4	3,718.7	10.2	9.6	-163.99	108.8	-354.7	648.8	629.9	18.97	34.204	
3,800.0	3,771.6	3,757.3	3,745.6	10.3	9.6	-164.07	109.5	-355.8	654.6	635.5	19.15	34.187	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
3,825.0	3,796.1	3,784.3	3,772.6	10.4	9.7	-164.15	110.2	-356.7	660.3	641.0	19.33	34.162	
3,850.0	3,820.5	3,811.3	3,799.6	10.5	9.8	-164.23	110.7	-357.5	665.9	646.4	19.51	34.138	
3,875.0	3,845.0	3,838.4	3,826.6	10.6	9.9	-164.32	111.3	-358.2	671.4	651.7	19.68	34.114	
3,900.0	3,869.5	3,865.5	3,853.8	10.7	10.0	-164.41	111.7	-358.9	676.8	656.9	19.86	34.085	
3,925.0	3,894.0	3,892.7	3,880.9	10.8	10.0	-164.51	112.1	-359.4	682.1	662.1	20.03	34.051	
3,950.0	3,918.5	3,919.9	3,908.1	10.9	10.1	-164.61	112.4	-359.8	687.3	667.1	20.20	34.026	
3,975.0	3,943.0	3,947.2	3,935.4	11.0	10.2	-164.72	112.6	-360.1	692.4	672.0	20.36	34.002	
4,000.0	3,967.5	3,974.5	3,962.7	11.1	10.2	-164.83	112.7	-360.3	697.4	676.9	20.53	33.973	
4,025.0	3,992.0	4,001.8	3,990.0	11.2	10.3	-164.94	112.8	-360.4	702.3	681.6	20.69	33.942	
4,050.0	4,016.5	4,027.4	4,015.6	11.4	10.3	-165.05	112.8	-360.4	707.1	686.3	20.82	33.959	
4,075.0	4,041.0	4,051.9	4,040.1	11.5	10.3	-165.15	112.8	-360.4	712.0	691.0	20.96	33.973	
4,100.0	4,065.5	4,076.4	4,064.6	11.6	10.4	-165.25	112.8	-360.4	716.8	695.7	21.09	33.986	
4,125.0	4,090.0	4,100.9	4,089.1	11.7	10.4	-165.35	112.8	-360.4	721.6	700.4	21.23	33.998	
4,150.0	4,114.5	4,125.4	4,113.6	11.8	10.4	-165.45	112.8	-360.4	726.4	705.1	21.36	34.014	
4,175.0	4,139.0	4,149.9	4,138.1	11.9	10.4	-165.55	112.8	-360.4	731.3	709.8	21.49	34.030	
4,200.0	4,163.5	4,174.4	4,162.6	12.0	10.4	-165.65	112.8	-360.4	736.1	714.5	21.62	34.045	
4,225.0	4,188.0	4,198.9	4,187.1	12.1	10.5	-165.74	112.8	-360.4	740.9	719.2	21.76	34.058	
4,250.0	4,212.5	4,223.4	4,211.6	12.2	10.5	-165.84	112.8	-360.4	745.8	723.9	21.89	34.071	
4,275.0	4,237.0	4,247.9	4,236.1	12.3	10.5	-165.93	112.8	-360.4	750.6	728.6	22.02	34.083	
4,300.0	4,261.5	4,272.4	4,260.6	12.4	10.5	-166.02	112.8	-360.4	755.5	733.3	22.16	34.095	
4,325.0	4,286.0	4,296.9	4,285.1	12.6	10.5	-166.11	112.8	-360.4	760.3	738.0	22.29	34.105	
4,350.0	4,310.5	4,321.4	4,309.6	12.7	10.6	-166.20	112.8	-360.4	765.2	742.7	22.43	34.114	
4,375.0	4,335.0	4,345.9	4,334.1	12.8	10.6	-166.29	112.8	-360.4	770.0	747.4	22.57	34.123	
4,400.0	4,359.5	4,370.4	4,358.6	12.9	10.6	-166.38	112.8	-360.4	774.8	752.1	22.70	34.132	
4,425.0	4,384.0	4,394.9	4,383.1	13.0	10.6	-166.46	112.8	-360.4	779.7	756.9	22.84	34.139	
4,450.0	4,408.5	4,419.4	4,407.6	13.1	10.6	-166.55	112.8	-360.4	784.5	761.6	22.98	34.145	
4,475.0	4,433.0	4,443.9	4,432.1	13.2	10.7	-166.63	112.8	-360.4	789.4	766.3	23.11	34.151	
4,500.0	4,457.5	4,468.4	4,456.6	13.3	10.7	-166.72	112.8	-360.4	794.3	771.0	23.25	34.157	
4,525.0	4,482.0	4,492.9	4,481.1	13.4	10.7	-166.80	112.8	-360.4	799.1	775.7	23.39	34.161	
4,550.0	4,506.5	4,517.4	4,505.6	13.6	10.7	-166.88	112.8	-360.4	804.0	780.4	23.53	34.165	
4,575.0	4,531.0	4,541.9	4,530.1	13.7	10.7	-166.96	112.8	-360.4	808.8	785.2	23.67	34.169	
4,600.0	4,555.5	4,566.4	4,554.6	13.8	10.8	-167.04	112.8	-360.4	813.7	789.9	23.81	34.172	
4,625.0	4,580.0	4,590.9	4,579.1	13.9	10.8	-167.12	112.8	-360.4	818.6	794.6	23.95	34.175	
4,650.0	4,604.5	4,615.4	4,603.6	14.0	10.8	-167.19	112.8	-360.4	823.4	799.3	24.09	34.177	
4,675.0	4,629.0	4,639.9	4,628.1	14.1	10.8	-167.27	112.8	-360.4	828.3	804.1	24.23	34.178	
4,700.0	4,653.5	4,664.4	4,652.6	14.2	10.8	-167.35	112.8	-360.4	833.2	808.8	24.38	34.179	
4,725.0	4,678.0	4,688.9	4,677.1	14.3	10.9	-167.42	112.8	-360.4	838.0	813.5	24.52	34.180	
4,750.0	4,702.5	4,713.4	4,701.6	14.5	10.9	-167.49	112.8	-360.4	842.9	818.2	24.66	34.180	
4,775.0	4,727.0	4,737.9	4,726.1	14.6	10.9	-167.57	112.8	-360.4	847.8	823.0	24.80	34.179	
4,800.0	4,751.5	4,762.4	4,750.6	14.7	10.9	-167.64	112.8	-360.4	852.6	827.7	24.95	34.179	
4,825.0	4,776.0	4,786.9	4,775.1	14.8	10.9	-167.71	112.8	-360.4	857.5	832.4	25.09	34.184	
4,850.0	4,800.5	4,811.4	4,799.6	14.9	10.9	-167.78	112.8	-360.4	862.4	837.2	25.22	34.189	
4,874.1	4,824.1	4,835.0	4,823.2	15.0	11.0	-167.85	112.8	-360.4	867.1	841.7	25.36	34.193	
4,875.0	4,825.0	4,835.9	4,824.1	15.0	11.0	-167.85	112.8	-360.4	867.3	841.9	25.36	34.193	
4,900.0	4,849.5	4,860.4	4,848.6	15.1	11.0	-167.93	112.8	-360.4	872.1	846.6	25.50	34.203	
4,925.0	4,874.0	4,884.9	4,873.1	15.2	11.0	-168.01	112.8	-360.4	876.8	851.2	25.64	34.195	
4,950.0	4,898.6	4,909.5	4,897.7	15.3	11.0	-168.08	112.8	-360.4	881.4	855.6	25.79	34.183	
4,975.0	4,923.1	4,934.0	4,922.2	15.4	11.0	-168.15	112.8	-360.4	885.9	860.0	25.93	34.167	
5,000.0	4,947.7	4,958.6	4,946.8	15.6	11.1	-168.22	112.8	-360.4	890.3	864.3	26.07	34.146	
5,025.0	4,972.3	4,983.2	4,971.4	15.7	11.1	-168.28	112.8	-360.4	894.6	868.4	26.22	34.126	
5,050.0	4,997.0	5,007.9	4,996.1	15.8	11.1	-168.35	112.8	-360.4	898.8	872.5	26.36	34.101	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance			Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor			
5,075.0	5,021.6	5,032.5	5,020.7	15.9	11.1	-168.41	112.8	-360.4	902.9	876.4	26.50	34.073			
5,100.0	5,046.3	5,057.2	5,045.4	16.0	11.1	-168.47	112.8	-360.4	906.9	880.3	26.64	34.041			
5,125.0	5,071.0	5,081.9	5,070.1	16.1	11.2	-168.53	112.8	-360.4	910.8	884.0	26.78	34.008			
5,150.0	5,095.7	5,106.6	5,094.8	16.2	11.2	-168.58	112.8	-360.4	914.6	887.7	26.92	33.971			
5,175.0	5,120.4	5,131.3	5,119.5	16.3	11.2	-168.64	112.8	-360.4	918.2	891.2	27.06	33.931			
5,200.0	5,145.1	5,156.0	5,144.2	16.4	11.2	-168.69	112.8	-360.4	921.8	894.6	27.20	33.887			
5,225.0	5,169.9	5,180.8	5,169.0	16.5	11.2	-168.74	112.8	-360.4	925.3	897.9	27.34	33.843			
5,250.0	5,194.6	5,205.5	5,193.7	16.6	11.3	-168.79	112.8	-360.4	928.6	901.2	27.48	33.795			
5,275.0	5,219.4	5,230.3	5,218.5	16.7	11.3	-168.83	112.8	-360.4	931.9	904.3	27.62	33.744			
5,300.0	5,244.2	5,255.1	5,243.3	16.8	11.3	-168.88	112.8	-360.4	935.0	907.3	27.75	33.690			
5,325.0	5,269.0	5,279.9	5,268.1	16.9	11.3	-168.92	112.8	-360.4	938.1	910.2	27.89	33.636			
5,350.0	5,293.8	5,304.7	5,292.9	17.0	11.3	-168.96	112.8	-360.4	941.0	913.0	28.02	33.578			
5,375.0	5,318.7	5,329.6	5,317.8	17.1	11.4	-169.00	112.8	-360.4	943.8	915.7	28.16	33.518			
5,400.0	5,343.5	5,354.4	5,342.6	17.2	11.4	-169.03	112.8	-360.4	946.6	918.3	28.29	33.454			
5,425.0	5,368.4	5,379.3	5,367.5	17.3	11.4	-169.07	112.8	-360.4	949.2	920.7	28.43	33.391			
5,450.0	5,393.2	5,404.2	5,392.3	17.4	11.4	-169.10	112.8	-360.4	951.7	923.1	28.56	33.326			
5,475.0	5,418.1	5,429.0	5,417.2	17.5	11.4	-169.14	112.8	-360.4	954.1	925.4	28.69	33.257			
5,500.0	5,443.0	5,453.9	5,442.1	17.6	11.5	-169.17	112.8	-360.4	956.4	927.6	28.82	33.184			
5,525.0	5,467.9	5,478.8	5,467.0	17.7	11.5	-169.20	112.8	-360.4	958.6	929.6	28.95	33.114			
5,550.0	5,492.8	5,503.7	5,491.9	17.8	11.5	-169.22	112.8	-360.4	960.7	931.6	29.07	33.041			
5,575.0	5,517.7	5,528.7	5,516.8	17.9	11.5	-169.25	112.8	-360.4	962.6	933.4	29.20	32.965			
5,600.0	5,542.7	5,553.6	5,541.8	18.0	11.5	-169.27	112.8	-360.4	964.5	935.2	29.33	32.886			
5,625.0	5,567.6	5,578.5	5,566.7	18.1	11.6	-169.30	112.8	-360.4	966.3	936.8	29.45	32.810			
5,650.0	5,592.5	5,603.5	5,591.6	18.2	11.6	-169.32	112.8	-360.4	967.9	938.3	29.57	32.731			
5,675.0	5,617.5	5,628.4	5,616.6	18.3	11.6	-169.34	112.8	-360.4	969.5	939.8	29.69	32.649			
5,700.0	5,642.5	5,653.4	5,641.6	18.4	11.6	-169.36	112.8	-360.4	970.9	941.1	29.82	32.564			
5,725.0	5,667.4	5,678.3	5,666.5	18.5	11.6	-169.38	112.8	-360.4	972.2	942.3	29.93	32.484			
5,750.0	5,692.4	5,703.3	5,691.5	18.6	11.6	-169.39	112.8	-360.4	973.5	943.4	30.05	32.400			
5,775.0	5,717.4	5,728.3	5,716.5	18.6	11.7	-169.41	112.8	-360.4	974.6	944.4	30.16	32.314			
5,800.0	5,742.3	5,753.2	5,741.4	18.7	11.7	-169.42	112.8	-360.4	975.6	945.3	30.28	32.225			
5,825.0	5,767.3	5,778.2	5,766.4	18.8	11.7	-169.43	112.8	-360.4	976.5	946.1	30.38	32.143			
5,850.0	5,792.3	5,803.2	5,791.4	18.9	11.7	-169.44	112.8	-360.4	977.3	946.8	30.49	32.058			
5,875.0	5,817.3	5,828.2	5,816.4	18.9	11.7	-169.45	112.8	-360.4	978.0	947.4	30.59	31.970			
5,900.0	5,842.3	5,853.2	5,841.4	19.0	11.8	-169.46	112.8	-360.4	978.6	947.9	30.70	31.880			
5,925.0	5,867.3	5,878.2	5,866.4	19.1	11.8	-169.46	112.8	-360.4	979.1	948.3	30.78	31.804			
5,950.0	5,892.3	5,903.2	5,891.4	19.1	11.8	-169.47	112.8	-360.4	979.5	948.6	30.87	31.725			
5,975.0	5,917.3	5,928.2	5,916.4	19.2	11.8	-169.47	112.8	-360.4	979.7	948.8	30.96	31.644			
6,000.0	5,942.3	5,953.2	5,941.4	19.3	11.8	-169.47	112.8	-360.4	979.9	948.8	31.05	31.559			
6,024.1	5,966.4	5,977.3	5,965.5	19.3	11.9	-90.39	112.8	-360.4	979.9	948.8	31.09	31.519			
6,025.0	5,967.3	5,978.2	5,966.4	19.3	11.9	-90.39	112.8	-360.4	979.9	948.8	31.09	31.518			
6,050.0	5,992.3	6,003.2	5,991.4	19.3	11.9	-90.39	112.8	-360.4	979.9	948.8	31.11	31.494			
6,075.0	6,017.3	6,028.2	6,016.4	19.3	11.9	-90.39	112.8	-360.4	979.9	948.8	31.14	31.469			
6,100.0	6,042.3	6,053.2	6,041.4	19.3	11.9	-90.39	112.8	-360.4	979.9	948.8	31.16	31.445			
6,125.0	6,067.3	6,078.2	6,066.4	19.3	11.9	-90.39	112.8	-360.4	979.9	948.7	31.19	31.418			
6,150.0	6,092.3	6,103.2	6,091.4	19.3	12.0	-90.39	112.8	-360.4	979.9	948.7	31.22	31.390			
6,175.0	6,117.3	6,128.2	6,116.4	19.3	12.0	-90.39	112.8	-360.4	979.9	948.7	31.24	31.363			
6,200.0	6,142.3	6,153.2	6,141.4	19.4	12.0	-90.39	112.8	-360.4	979.9	948.7	31.27	31.335			
6,225.0	6,167.3	6,178.2	6,166.4	19.4	12.0	-90.39	112.8	-360.4	979.9	948.6	31.30	31.308			
6,250.0	6,192.3	6,203.2	6,191.4	19.4	12.0	-90.39	112.8	-360.4	979.9	948.6	31.33	31.281			
6,275.0	6,217.3	6,228.2	6,216.4	19.4	12.1	-90.39	112.8	-360.4	979.9	948.6	31.35	31.253			
6,300.0	6,242.3	6,253.2	6,241.4	19.4	12.1	-90.39	112.8	-360.4	979.9	948.5	31.38	31.226			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Vertical (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)
Separation Factor	Warning												
6,325.0	6,267.3	6,278.2	6,266.4	19.4	12.1	-90.39	112.8	-360.4	979.9	948.5	31.41	31.199	
6,350.0	6,292.3	6,303.2	6,291.4	19.4	12.1	-90.39	112.8	-360.4	979.9	948.5	31.44	31.172	
6,375.0	6,317.3	6,328.2	6,316.4	19.4	12.1	-90.39	112.8	-360.4	979.9	948.5	31.46	31.144	
6,400.0	6,342.3	6,353.2	6,341.4	19.4	12.2	-90.39	112.8	-360.4	979.9	948.4	31.49	31.117	
6,425.0	6,367.3	6,378.2	6,366.4	19.4	12.2	-90.39	112.8	-360.4	979.9	948.4	31.52	31.090	
6,450.0	6,392.3	6,403.2	6,391.4	19.5	12.2	-90.39	112.8	-360.4	979.9	948.4	31.55	31.063	
6,475.0	6,417.3	6,428.2	6,416.4	19.5	12.2	-90.39	112.8	-360.4	979.9	948.3	31.57	31.036	
6,500.0	6,442.3	6,453.2	6,441.4	19.5	12.2	-90.39	112.8	-360.4	979.9	948.3	31.60	31.009	
6,525.0	6,467.3	6,478.2	6,466.4	19.5	12.3	-90.39	112.8	-360.4	979.9	948.3	31.63	30.982	
6,550.0	6,492.3	6,503.2	6,491.4	19.5	12.3	-90.39	112.8	-360.4	979.9	948.3	31.66	30.954	
6,575.0	6,517.3	6,528.2	6,516.4	19.5	12.3	-90.39	112.8	-360.4	979.9	948.2	31.68	30.927	
6,600.0	6,542.3	6,553.2	6,541.4	19.5	12.3	-90.39	112.8	-360.4	979.9	948.2	31.71	30.900	
6,625.0	6,567.3	6,578.2	6,566.4	19.5	12.3	-90.39	112.8	-360.4	979.9	948.2	31.74	30.873	
6,650.0	6,592.3	6,603.2	6,591.4	19.5	12.4	-90.39	112.8	-360.4	979.9	948.2	31.77	30.846	
6,675.0	6,617.3	6,628.2	6,616.4	19.6	12.4	-90.39	112.8	-360.4	979.9	948.1	31.80	30.819	
6,700.0	6,642.3	6,653.2	6,641.4	19.6	12.4	-90.39	112.8	-360.4	979.9	948.1	31.82	30.792	
6,725.0	6,667.3	6,678.2	6,666.4	19.6	12.4	-90.39	112.8	-360.4	979.9	948.1	31.85	30.766	
6,750.0	6,692.3	6,703.2	6,691.4	19.6	12.4	-90.39	112.8	-360.4	979.9	948.0	31.88	30.739	
6,775.0	6,717.3	6,728.2	6,716.4	19.6	12.5	-90.39	112.8	-360.4	979.9	948.0	31.91	30.712	
6,800.0	6,742.3	6,753.2	6,741.4	19.6	12.5	-90.39	112.8	-360.4	979.9	948.0	31.94	30.685	
6,825.0	6,767.3	6,778.2	6,766.4	19.6	12.5	-90.39	112.8	-360.4	979.9	948.0	31.96	30.658	
6,850.0	6,792.3	6,803.2	6,791.4	19.6	12.5	-90.39	112.8	-360.4	979.9	947.9	31.99	30.631	
6,875.0	6,817.3	6,828.2	6,816.4	19.6	12.5	-90.39	112.8	-360.4	979.9	947.9	32.02	30.604	
6,900.0	6,842.3	6,853.2	6,841.4	19.6	12.6	-90.39	112.8	-360.4	979.9	947.9	32.05	30.578	
6,925.0	6,867.3	6,878.2	6,866.4	19.7	12.6	-90.39	112.8	-360.4	979.9	947.8	32.08	30.551	
6,950.0	6,892.3	6,903.2	6,891.4	19.7	12.6	-90.39	112.8	-360.4	979.9	947.8	32.10	30.524	
6,975.0	6,917.3	6,928.2	6,916.4	19.7	12.6	-90.39	112.8	-360.4	979.9	947.8	32.13	30.497	
7,000.0	6,942.3	6,953.2	6,941.4	19.7	12.6	-90.39	112.8	-360.4	979.9	947.8	32.16	30.471	
7,025.0	6,967.3	6,978.2	6,966.4	19.7	12.7	-90.39	112.8	-360.4	979.9	947.7	32.19	30.444	
7,050.0	6,992.3	7,003.2	6,991.4	19.7	12.7	-90.39	112.8	-360.4	979.9	947.7	32.22	30.417	
7,075.0	7,017.3	7,028.2	7,016.4	19.7	12.7	-90.39	112.8	-360.4	979.9	947.7	32.24	30.391	
7,100.0	7,042.3	7,053.2	7,041.4	19.7	12.7	-90.39	112.8	-360.4	979.9	947.7	32.27	30.364	
7,125.0	7,067.3	7,078.2	7,066.4	19.7	12.7	-90.39	112.8	-360.4	979.9	947.6	32.30	30.338	
7,150.0	7,092.3	7,103.2	7,091.4	19.8	12.8	-90.39	112.8	-360.4	979.9	947.6	32.33	30.311	
7,175.0	7,117.3	7,128.2	7,116.4	19.8	12.8	-90.39	112.8	-360.4	979.9	947.6	32.36	30.284	
7,200.0	7,142.3	7,153.2	7,141.4	19.8	12.8	-90.39	112.8	-360.4	979.9	947.5	32.39	30.258	
7,225.0	7,167.3	7,178.2	7,166.4	19.8	12.8	-90.39	112.8	-360.4	979.9	947.5	32.41	30.231	
7,250.0	7,192.3	7,203.2	7,191.4	19.8	12.8	-90.39	112.8	-360.4	979.9	947.5	32.44	30.205	
7,275.0	7,217.3	7,228.2	7,216.4	19.8	12.9	-90.39	112.8	-360.4	979.9	947.5	32.47	30.179	
7,300.0	7,242.3	7,253.2	7,241.4	19.8	12.9	-90.39	112.8	-360.4	979.9	947.4	32.50	30.152	
7,325.0	7,267.3	7,278.2	7,266.4	19.8	12.9	-90.39	112.8	-360.4	979.9	947.4	32.53	30.126	
7,350.0	7,292.3	7,303.2	7,291.4	19.8	12.9	-90.39	112.8	-360.4	979.9	947.4	32.56	30.099	
7,375.0	7,317.3	7,328.2	7,316.4	19.9	12.9	-90.39	112.8	-360.4	979.9	947.3	32.58	30.073	
7,400.0	7,342.3	7,353.2	7,341.4	19.9	13.0	-90.39	112.8	-360.4	979.9	947.3	32.61	30.047	
7,425.0	7,367.3	7,378.2	7,366.4	19.9	13.0	-90.39	112.8	-360.4	979.9	947.3	32.64	30.020	
7,450.0	7,392.3	7,403.2	7,391.4	19.9	13.0	-90.39	112.8	-360.4	979.9	947.3	32.67	29.994	
7,475.0	7,417.3	7,428.2	7,416.4	19.9	13.0	-90.39	112.8	-360.4	979.9	947.2	32.70	29.968	
7,500.0	7,442.3	7,453.2	7,441.4	19.9	13.0	-90.39	112.8	-360.4	979.9	947.2	32.73	29.942	
7,525.0	7,467.3	7,478.2	7,466.4	19.9	13.1	-90.39	112.8	-360.4	979.9	947.2	32.76	29.915	
7,550.0	7,492.3	7,503.2	7,491.4	19.9	13.1	-90.39	112.8	-360.4	979.9	947.1	32.79	29.889	
7,575.0	7,517.3	7,528.2	7,516.4	19.9	13.1	-90.39	112.8	-360.4	979.9	947.1	32.81	29.863	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
7,600.0	7,542.3	7,553.2	7,541.4	20.0	13.1	-90.39	112.8	-360.4	979.9	947.1	32.84	29.837	
7,625.0	7,567.3	7,578.2	7,566.4	20.0	13.1	-90.39	112.8	-360.4	979.9	947.1	32.87	29.811	
7,650.0	7,592.3	7,603.2	7,591.4	20.0	13.2	-90.39	112.8	-360.4	979.9	947.0	32.90	29.785	
7,675.0	7,617.3	7,628.2	7,616.4	20.0	13.2	-90.39	112.8	-360.4	979.9	947.0	32.93	29.759	
7,700.0	7,642.3	7,653.2	7,641.4	20.0	13.2	-90.39	112.8	-360.4	979.9	947.0	32.96	29.732	
7,725.0	7,667.3	7,678.2	7,666.4	20.0	13.2	-90.39	112.8	-360.4	979.9	946.9	32.99	29.706	
7,750.0	7,692.3	7,703.2	7,691.4	20.0	13.2	-90.39	112.8	-360.4	979.9	946.9	33.02	29.680	
7,775.0	7,717.3	7,728.2	7,716.4	20.0	13.3	-90.39	112.8	-360.4	979.9	946.9	33.04	29.654	
7,800.0	7,742.3	7,753.2	7,741.4	20.0	13.3	-90.39	112.8	-360.4	979.9	946.8	33.07	29.629	
7,825.0	7,767.3	7,778.2	7,766.4	20.1	13.3	-90.39	112.8	-360.4	979.9	946.8	33.10	29.603	
7,850.0	7,792.3	7,803.2	7,791.4	20.1	13.3	-90.39	112.8	-360.4	979.9	946.8	33.13	29.577	
7,875.0	7,817.3	7,828.2	7,816.4	20.1	13.3	-90.39	112.8	-360.4	979.9	946.8	33.16	29.551	
7,900.0	7,842.3	7,853.2	7,841.4	20.1	13.3	-90.39	112.8	-360.4	979.9	946.7	33.19	29.525	
7,925.0	7,867.3	7,878.2	7,866.4	20.1	13.4	-90.39	112.8	-360.4	979.9	946.7	33.22	29.499	
7,950.0	7,892.3	7,903.2	7,891.4	20.1	13.4	-90.39	112.8	-360.4	979.9	946.7	33.25	29.473	
7,975.0	7,917.3	7,928.2	7,916.4	20.1	13.4	-90.39	112.8	-360.4	979.9	946.6	33.28	29.447	
8,000.0	7,942.3	7,953.2	7,941.4	20.1	13.4	-90.39	112.8	-360.4	979.9	946.6	33.31	29.422	
8,025.0	7,967.3	7,978.2	7,966.4	20.1	13.4	-90.39	112.8	-360.4	979.9	946.6	33.34	29.396	
8,050.0	7,992.3	8,003.2	7,991.4	20.2	13.5	-90.39	112.8	-360.4	979.9	946.6	33.36	29.370	
8,075.0	8,017.3	8,028.2	8,016.4	20.2	13.5	-90.39	112.8	-360.4	979.9	946.5	33.39	29.345	
8,100.0	8,042.3	8,053.2	8,041.4	20.2	13.5	-90.39	112.8	-360.4	979.9	946.5	33.42	29.319	
8,125.0	8,067.3	8,078.2	8,066.4	20.2	13.5	-90.39	112.8	-360.4	979.9	946.5	33.45	29.293	
8,150.0	8,092.3	8,103.2	8,091.4	20.2	13.5	-90.39	112.8	-360.4	979.9	946.4	33.48	29.268	
8,175.0	8,117.3	8,128.2	8,116.4	20.2	13.6	-90.39	112.8	-360.4	979.9	946.4	33.51	29.242	
8,200.0	8,142.3	8,153.2	8,141.4	20.2	13.6	-90.39	112.8	-360.4	979.9	946.4	33.54	29.216	
8,225.0	8,167.3	8,178.2	8,166.4	20.2	13.6	-90.39	112.8	-360.4	979.9	946.4	33.57	29.191	
8,250.0	8,192.3	8,203.2	8,191.4	20.2	13.6	-90.39	112.8	-360.4	979.9	946.3	33.60	29.165	
8,275.0	8,217.3	8,228.2	8,216.4	20.3	13.6	-90.39	112.8	-360.4	979.9	946.3	33.63	29.140	
8,300.0	8,242.3	8,253.2	8,241.4	20.3	13.7	-90.39	112.8	-360.4	979.9	946.3	33.66	29.114	
8,325.0	8,267.3	8,278.2	8,266.4	20.3	13.7	-90.39	112.8	-360.4	979.9	946.2	33.69	29.089	
8,350.0	8,292.3	8,303.2	8,291.4	20.3	13.7	-90.39	112.8	-360.4	979.9	946.2	33.72	29.064	
8,375.0	8,317.3	8,328.2	8,316.4	20.3	13.7	-90.39	112.8	-360.4	979.9	946.2	33.75	29.038	
8,400.0	8,342.3	8,353.2	8,341.4	20.3	13.7	-90.39	112.8	-360.4	979.9	946.1	33.78	29.013	
8,425.0	8,367.3	8,378.2	8,366.4	20.3	13.8	-90.39	112.8	-360.4	979.9	946.1	33.81	28.987	
8,450.0	8,392.3	8,403.2	8,391.4	20.3	13.8	-90.39	112.8	-360.4	979.9	946.1	33.83	28.962	
8,475.0	8,417.3	8,428.2	8,416.4	20.3	13.8	-90.39	112.8	-360.4	979.9	946.1	33.86	28.937	
8,500.0	8,442.3	8,453.2	8,441.4	20.4	13.8	-90.39	112.8	-360.4	979.9	946.0	33.89	28.912	
8,525.0	8,467.3	8,478.2	8,466.4	20.4	13.8	-90.39	112.8	-360.4	979.9	946.0	33.92	28.886	
8,550.0	8,492.3	8,503.2	8,491.4	20.4	13.9	-90.39	112.8	-360.4	979.9	946.0	33.95	28.861	
8,575.0	8,517.3	8,528.2	8,516.4	20.4	13.9	-90.39	112.8	-360.4	979.9	945.9	33.98	28.836	
8,600.0	8,542.3	8,553.2	8,541.4	20.4	13.9	-90.39	112.8	-360.4	979.9	945.9	34.01	28.811	
8,625.0	8,567.3	8,578.2	8,566.4	20.4	13.9	-90.39	112.8	-360.4	979.9	945.9	34.04	28.786	
8,650.0	8,592.3	8,603.2	8,591.4	20.4	13.9	-90.39	112.8	-360.4	979.9	945.9	34.07	28.761	
8,675.0	8,617.3	8,628.2	8,616.4	20.4	14.0	-90.39	112.8	-360.4	979.9	945.8	34.10	28.735	
8,700.0	8,642.3	8,653.2	8,641.4	20.5	14.0	-90.39	112.8	-360.4	979.9	945.8	34.13	28.710	
8,725.0	8,667.3	8,678.2	8,666.4	20.5	14.0	-90.39	112.8	-360.4	979.9	945.8	34.16	28.685	
8,750.0	8,692.3	8,703.2	8,691.4	20.5	14.0	-90.39	112.8	-360.4	979.9	945.7	34.19	28.660	
8,775.0	8,717.3	8,728.2	8,716.4	20.5	14.0	-90.39	112.8	-360.4	979.9	945.7	34.22	28.635	
8,800.0	8,742.3	8,753.2	8,741.4	20.5	14.1	-90.39	112.8	-360.4	979.9	945.7	34.25	28.610	
8,825.0	8,767.3	8,778.2	8,766.4	20.5	14.1	-90.39	112.8	-360.4	979.9	945.6	34.28	28.585	
8,850.0	8,792.3	8,803.2	8,791.4	20.5	14.1	-90.39	112.8	-360.4	979.9	945.6	34.31	28.560	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
8,875.0	8,817.3	8,828.2	8,816.4	20.5	14.1	-90.39	112.8	-360.4	979.9	945.6	34.34	28.536	
8,900.0	8,842.3	8,853.2	8,841.4	20.5	14.1	-90.39	112.8	-360.4	979.9	945.6	34.37	28.511	
8,925.0	8,867.3	8,878.2	8,866.4	20.6	14.2	-90.39	112.8	-360.4	979.9	945.5	34.40	28.486	
8,950.0	8,892.3	8,903.2	8,891.4	20.6	14.2	-90.39	112.8	-360.4	979.9	945.5	34.43	28.461	
8,975.0	8,917.3	8,928.2	8,916.4	20.6	14.2	-90.39	112.8	-360.4	979.9	945.5	34.46	28.436	
9,000.0	8,942.3	8,953.2	8,941.4	20.6	14.2	-90.39	112.8	-360.4	979.9	945.4	34.49	28.412	
9,025.0	8,967.3	8,978.2	8,966.4	20.6	14.2	-90.39	112.8	-360.4	979.9	945.4	34.52	28.387	
9,050.0	8,992.3	9,003.2	8,991.4	20.6	14.3	-90.39	112.8	-360.4	979.9	945.4	34.55	28.362	
9,075.0	9,017.3	9,028.2	9,016.4	20.6	14.3	-90.39	112.8	-360.4	979.9	945.3	34.58	28.337	
9,100.0	9,042.3	9,053.2	9,041.4	20.6	14.3	-90.39	112.8	-360.4	979.9	945.3	34.61	28.313	
9,125.0	9,067.3	9,078.2	9,066.4	20.7	14.3	-90.39	112.8	-360.4	979.9	945.3	34.64	28.291	
9,150.0	9,092.3	9,103.2	9,091.4	20.7	14.3	-90.39	112.8	-360.4	979.9	945.3	34.67	28.268	
9,175.0	9,117.3	9,128.2	9,116.4	20.7	14.4	-90.39	112.8	-360.4	979.9	945.2	34.69	28.246	
9,179.3	9,121.5	9,132.5	9,120.6	20.7	14.4	-90.39	112.8	-360.4	979.9	945.2	34.70	28.242	
9,200.0	9,142.3	9,153.2	9,141.4	20.7	14.4	-90.35	112.8	-360.4	979.9	945.2	34.71	28.228	
9,225.0	9,167.2	9,178.1	9,166.3	20.7	14.4	-90.45	112.8	-360.4	979.9	945.2	34.74	28.211	
9,250.0	9,192.0	9,202.9	9,191.1	20.7	14.4	-90.62	112.8	-360.4	980.0	945.2	34.76	28.194	
9,275.0	9,216.6	9,227.6	9,215.7	20.7	14.4	-90.87	112.8	-360.4	980.0	945.2	34.78	28.176	
9,300.0	9,241.0	9,251.9	9,240.1	20.7	14.5	-91.17	112.8	-360.4	980.1	945.3	34.81	28.158	
9,325.0	9,265.0	9,275.9	9,264.1	20.7	14.5	-91.54	112.8	-360.4	980.3	945.5	34.83	28.141	
9,350.0	9,288.7	9,299.6	9,287.8	20.7	14.5	-91.96	112.8	-360.4	980.6	945.7	34.86	28.127	
9,375.0	9,311.8	9,322.8	9,310.9	20.7	14.5	-92.42	112.8	-360.4	980.9	946.1	34.89	28.116	
9,400.0	9,334.5	9,345.4	9,333.6	20.7	14.5	-92.91	112.8	-360.4	981.5	946.6	34.92	28.110	
9,425.0	9,356.6	9,367.5	9,355.7	20.7	14.6	-93.43	112.8	-360.4	982.2	947.3	34.94	28.111	
9,450.0	9,378.0	9,388.9	9,377.1	20.7	14.6	-93.95	112.8	-360.4	983.2	948.2	34.96	28.120	
9,475.0	9,398.7	9,409.6	9,397.8	20.7	14.6	-94.48	112.8	-360.4	984.4	949.4	34.99	28.138	
9,500.0	9,418.7	9,429.6	9,417.8	20.7	14.6	-94.99	112.8	-360.4	986.0	951.0	35.00	28.167	
9,525.0	9,437.9	9,448.8	9,437.0	20.7	14.6	-95.47	112.8	-360.4	987.9	952.9	35.02	28.210	
9,550.0	9,456.1	9,467.0	9,455.2	20.7	14.6	-95.92	112.8	-360.4	990.2	955.2	35.03	28.267	
9,575.0	9,473.5	9,484.4	9,472.6	20.7	14.6	-96.31	112.8	-360.4	992.9	957.9	35.04	28.340	
9,600.0	9,489.9	9,500.8	9,489.0	20.7	14.7	-96.64	112.8	-360.4	996.2	961.1	35.04	28.430	
9,625.0	9,505.3	9,516.2	9,504.4	20.8	14.7	-96.89	112.8	-360.4	999.9	964.9	35.03	28.540	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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														Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-96.05	-21.2	-199.9	201.0						
25.0	25.0	24.0	24.0	0.5	0.1	-96.05	-21.2	-199.9	201.0						
50.0	50.0	49.0	49.0	0.5	0.3	-96.05	-21.2	-199.9	201.0	199.7	1.27	158.144			
75.0	75.0	74.0	74.0	0.5	0.4	-96.05	-21.2	-199.9	201.0	199.7	1.36	147.389			
100.0	100.0	99.0	99.0	0.5	0.5	-96.05	-21.2	-199.9	201.0	199.5	1.48	135.835			
125.0	125.0	124.0	124.0	0.6	0.6	-96.05	-21.2	-199.9	201.0	199.3	1.73	116.479			
150.0	150.0	149.0	149.0	0.8	0.8	-96.05	-21.2	-199.9	201.0	199.0	1.97	101.957			
175.0	175.0	174.0	174.0	0.9	0.9	-96.05	-21.2	-199.9	201.0	198.8	2.22	90.655			
200.0	200.0	199.0	199.0	1.0	1.0	-96.05	-21.2	-199.9	201.0	198.6	2.46	81.608			
225.0	225.0	224.0	224.0	1.1	1.1	-96.05	-21.2	-199.9	201.0	198.4	2.62	76.594			
250.0	250.0	249.0	249.0	1.2	1.2	-96.05	-21.2	-199.9	201.0	198.2	2.78	72.205			
275.0	275.0	274.0	274.0	1.3	1.3	-96.05	-21.2	-199.9	201.0	198.1	2.94	68.292			
300.0	300.0	299.0	299.0	1.4	1.4	-96.05	-21.2	-199.9	201.0	197.9	3.10	64.781			
325.0	325.0	324.0	324.0	1.4	1.4	-96.05	-21.2	-199.9	201.0	197.8	3.23	62.207			
350.0	350.0	349.0	349.0	1.5	1.5	-96.05	-21.2	-199.9	201.0	197.7	3.36	59.841			
375.0	375.0	374.0	374.0	1.6	1.6	-96.05	-21.2	-199.9	201.0	197.5	3.49	57.648			
400.0	400.0	399.0	399.0	1.6	1.6	-96.05	-21.2	-199.9	201.0	197.4	3.61	55.610			
425.0	425.0	424.0	424.0	1.7	1.7	-96.05	-21.2	-199.9	201.0	197.3	3.72	53.966			
450.0	450.0	449.0	449.0	1.8	1.8	-96.05	-21.2	-199.9	201.0	197.2	3.83	52.422			
475.0	475.0	474.0	474.0	1.8	1.8	-96.05	-21.2	-199.9	201.0	197.1	3.94	50.963			
500.0	500.0	499.0	499.0	1.9	1.9	-96.05	-21.2	-199.9	201.0	197.0	4.05	49.584			
525.0	525.0	524.0	524.0	1.9	1.9	-96.05	-21.2	-199.9	201.0	196.9	4.15	48.414			
550.0	550.0	549.0	549.0	2.0	2.0	-96.05	-21.2	-199.9	201.0	196.8	4.25	47.301			
575.0	575.0	574.0	574.0	2.1	2.1	-96.05	-21.2	-199.9	201.0	196.7	4.35	46.238			
600.0	600.0	599.0	599.0	2.1	2.1	-96.05	-21.2	-199.9	201.0	196.6	4.45	45.222			
625.0	625.0	624.0	624.0	2.2	2.2	-96.05	-21.2	-199.9	201.0	196.5	4.53	44.333			
650.0	650.0	649.0	649.0	2.2	2.2	-96.05	-21.2	-199.9	201.0	196.4	4.62	43.480			
675.0	675.0	674.0	674.0	2.3	2.3	-96.05	-21.2	-199.9	201.0	196.3	4.71	42.659			
700.0	700.0	699.0	699.0	2.3	2.3	-96.05	-21.2	-199.9	201.0	196.2	4.80	41.869			
725.0	725.0	724.0	724.0	2.4	2.4	-96.05	-21.2	-199.9	201.0	196.1	4.88	41.163			
750.0	750.0	749.0	749.0	2.4	2.4	-96.05	-21.2	-199.9	201.0	196.1	4.97	40.482			
775.0	775.0	774.0	774.0	2.5	2.5	-96.05	-21.2	-199.9	201.0	196.0	5.05	39.823			
800.0	800.0	799.0	799.0	2.5	2.5	-96.05	-21.2	-199.9	201.0	195.9	5.13	39.185			
825.0	825.0	824.0	824.0	2.6	2.6	-96.05	-21.2	-199.9	201.0	195.8	5.21	38.606			
850.0	850.0	849.0	849.0	2.6	2.6	-96.05	-21.2	-199.9	201.0	195.7	5.28	38.045			
875.0	875.0	874.0	874.0	2.6	2.6	-96.05	-21.2	-199.9	201.0	195.7	5.36	37.500			
900.0	900.0	899.0	899.0	2.7	2.7	-96.05	-21.2	-199.9	201.0	195.6	5.44	36.971			
925.0	925.0	924.0	924.0	2.7	2.7	-96.05	-21.2	-199.9	201.0	195.5	5.51	36.485			
950.0	950.0	949.0	949.0	2.8	2.8	-96.05	-21.2	-199.9	201.0	195.4	5.58	36.012			
975.0	975.0	974.0	974.0	2.8	2.8	-96.05	-21.2	-199.9	201.0	195.4	5.65	35.552			
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-96.05	-21.2	-199.9	201.0	195.3	5.73	35.103			
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-96.05	-21.2	-199.9	201.0	195.2	5.80	34.687			
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-96.05	-21.2	-199.9	201.0	195.2	5.86	34.281			
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-96.05	-21.2	-199.9	201.0	195.1	5.93	33.885			
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-96.05	-21.2	-199.9	201.0	195.0	6.00	33.498			
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-96.05	-21.2	-199.9	201.0	195.0	6.07	33.137			
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-96.05	-21.2	-199.9	201.0	194.9	6.13	32.784			
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-96.05	-21.2	-199.9	201.0	194.8	6.20	32.438			
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-96.05	-21.2	-199.9	201.0	194.8	6.26	32.100			
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-96.05	-21.2	-199.9	201.0	194.7	6.33	31.782			
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-96.05	-21.2	-199.9	201.0	194.6	6.39	31.471			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-96.05	-21.2	-199.9	201.0	194.6	6.45	31.166	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-96.05	-21.2	-199.9	201.0	194.5	6.51	30.866	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-96.05	-21.2	-199.9	201.0	194.4	6.57	30.584	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-96.05	-21.2	-199.9	201.0	194.4	6.63	30.307	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-96.05	-21.2	-199.9	201.0	194.3	6.69	30.035	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-96.05	-21.2	-199.9	201.0	194.3	6.75	29.768	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-96.05	-21.2	-199.9	201.0	194.2	6.81	29.515	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-96.05	-21.2	-199.9	201.0	194.2	6.87	29.266	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-96.05	-21.2	-199.9	201.0	194.1	6.93	29.022	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-96.05	-21.2	-199.9	201.0	194.0	6.98	28.781	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-96.05	-21.2	-199.9	201.0	194.0	7.04	28.553	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-96.05	-21.2	-199.9	201.0	193.9	7.10	28.328	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-96.05	-21.2	-199.9	201.0	193.9	7.15	28.106	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-96.05	-21.2	-199.9	201.0	193.8	7.21	27.888	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-96.05	-21.2	-199.9	201.0	193.8	7.26	27.680	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-96.05	-21.2	-199.9	201.0	193.7	7.32	27.476	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-96.05	-21.2	-199.9	201.0	193.7	7.37	27.274	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-96.05	-21.2	-199.9	201.0	193.6	7.42	27.075	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-96.05	-21.2	-199.9	201.0	193.5	7.48	26.885	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-96.05	-21.2	-199.9	201.0	193.5	7.53	26.697	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-96.05	-21.2	-199.9	201.0	193.4	7.58	26.512	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-96.05	-21.2	-199.9	201.0	193.4	7.63	26.330	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-96.05	-21.2	-199.9	201.0	193.3	7.69	26.155	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-96.05	-21.2	-199.9	201.0	193.3	7.74	25.983	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-96.05	-21.2	-199.9	201.0	193.2	7.79	25.812	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-96.05	-21.2	-199.9	201.0	193.2	7.84	25.644	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-96.05	-21.2	-199.9	201.0	193.1	7.89	25.483	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-96.05	-21.2	-199.9	201.0	193.1	7.94	25.323	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-96.05	-21.2	-199.9	201.0	193.0	7.99	25.166	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-96.05	-21.2	-199.9	201.0	193.0	8.04	25.010 CC, ES	
2,025.0	2,025.0	2,022.5	2,022.5	4.4	4.4	-175.13	-21.2	-200.0	201.2	193.1	8.14	24.717	
2,050.0	2,050.0	2,045.9	2,045.9	4.5	4.5	-175.12	-21.1	-200.3	201.8	193.6	8.25	24.479	
2,075.0	2,075.0	2,069.3	2,069.2	4.5	4.5	-175.09	-21.1	-200.7	202.9	194.5	8.35	24.296	
2,100.0	2,100.0	2,092.6	2,092.6	4.5	4.5	-175.06	-21.0	-201.4	204.3	195.9	8.45	24.167	
2,125.0	2,125.0	2,115.9	2,115.9	4.6	4.6	-175.02	-20.8	-202.2	206.2	197.6	8.60	23.986	
2,150.0	2,149.9	2,139.2	2,139.1	4.6	4.6	-174.97	-20.7	-203.2	208.4	199.7	8.74	23.838	
2,175.0	2,174.9	2,162.4	2,162.3	4.7	4.6	-174.92	-20.5	-204.4	211.1	202.2	8.89	23.743	
2,200.0	2,199.8	2,185.5	2,185.4	4.7	4.7	-174.85	-20.3	-205.8	214.2	205.2	9.04	23.698	
2,225.0	2,224.8	2,208.6	2,208.4	4.7	4.7	-174.78	-20.1	-207.4	217.7	208.5	9.19	23.693 SF	
2,250.0	2,249.7	2,231.6	2,231.3	4.8	4.7	-174.70	-19.8	-209.2	221.6	212.3	9.34	23.728	
2,275.0	2,274.6	2,254.5	2,254.1	4.8	4.8	-174.62	-19.5	-211.1	225.9	216.4	9.49	23.807	
2,300.0	2,299.5	2,277.3	2,276.8	4.9	4.8	-174.54	-19.2	-213.2	230.7	221.0	9.64	23.927	
2,325.0	2,324.3	2,300.0	2,299.5	4.9	4.9	-174.45	-18.8	-215.4	235.8	226.0	9.79	24.081	
2,350.0	2,349.1	2,322.5	2,321.8	5.0	4.9	-174.35	-18.5	-217.8	241.3	231.3	9.95	24.260	
2,375.0	2,373.9	2,344.9	2,344.1	5.1	5.0	-174.26	-18.1	-220.4	247.2	237.1	10.10	24.475	
2,400.0	2,398.7	2,367.2	2,366.2	5.1	5.0	-174.16	-17.7	-223.1	253.5	243.3	10.25	24.728	
2,425.0	2,423.4	2,389.4	2,388.2	5.2	5.1	-174.06	-17.2	-226.0	260.2	249.8	10.41	25.004	
2,450.0	2,448.2	2,411.4	2,410.0	5.3	5.1	-173.96	-16.8	-229.1	267.3	256.8	10.56	25.306	
2,475.0	2,472.8	2,433.2	2,431.6	5.4	5.2	-173.86	-16.3	-232.2	274.8	264.1	10.72	25.636	
2,500.0	2,497.5	2,454.9	2,453.0	5.4	5.3	-173.76	-15.8	-235.5	282.7	271.8	10.87	25.994	
2,525.0	2,522.1	2,476.4	2,474.2	5.5	5.3	-173.66	-15.3	-239.0	290.9	279.9	11.01	26.419	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
2,550.0	2,546.6	2,499.9	2,497.4	5.6	5.4	-173.55	-14.7	-242.9	299.5	288.4	11.16	26.834	
2,575.0	2,571.2	2,520.9	2,518.0	5.7	5.5	-173.45	-14.1	-246.5	308.5	297.2	11.28	27.340	
2,600.0	2,595.6	2,544.2	2,540.9	5.7	5.6	-173.37	-13.5	-250.5	317.5	306.1	11.40	27.850	
2,625.0	2,620.1	2,567.5	2,563.9	5.8	5.6	-173.30	-12.9	-254.5	326.5	315.0	11.54	28.292	
2,650.0	2,644.6	2,590.8	2,586.9	5.9	5.7	-173.23	-12.3	-258.5	335.5	323.9	11.68	28.724	
2,675.0	2,669.1	2,614.1	2,609.8	5.9	5.8	-173.17	-11.7	-262.5	344.6	332.7	11.82	29.139	
2,700.0	2,693.6	2,637.4	2,632.8	6.0	5.8	-173.11	-11.1	-266.5	353.6	341.6	11.97	29.541	
2,725.0	2,718.1	2,660.7	2,655.7	6.1	5.9	-173.05	-10.5	-270.5	362.6	350.5	12.12	29.926	
2,750.0	2,742.6	2,684.0	2,678.7	6.2	6.0	-172.99	-9.9	-274.5	371.6	359.4	12.27	30.301	
2,775.0	2,767.1	2,707.3	2,701.6	6.3	6.0	-172.94	-9.3	-278.5	380.7	368.3	12.41	30.664	
2,800.0	2,791.6	2,730.6	2,724.6	6.4	6.1	-172.89	-8.7	-282.5	389.7	377.1	12.57	31.013	
2,825.0	2,816.1	2,753.9	2,747.6	6.4	6.2	-172.84	-8.1	-286.5	398.7	386.0	12.72	31.343	
2,850.0	2,840.6	2,777.3	2,770.5	6.5	6.3	-172.79	-7.5	-290.5	407.8	394.9	12.88	31.665	
2,875.0	2,865.1	2,800.6	2,793.5	6.6	6.3	-172.75	-6.9	-294.5	416.8	403.8	13.03	31.979	
2,900.0	2,889.6	2,823.9	2,816.4	6.7	6.4	-172.71	-6.3	-298.5	425.8	412.6	13.19	32.279	
2,925.0	2,914.1	2,847.2	2,839.4	6.8	6.5	-172.67	-5.7	-302.5	434.9	421.5	13.35	32.562	
2,950.0	2,938.6	2,870.5	2,862.3	6.9	6.6	-172.63	-5.0	-306.5	443.9	430.4	13.52	32.839	
2,975.0	2,963.1	2,893.8	2,885.3	7.0	6.7	-172.59	-4.4	-310.5	452.9	439.2	13.68	33.109	
3,000.0	2,987.6	2,917.1	2,908.3	7.1	6.7	-172.56	-3.8	-314.5	461.9	448.1	13.84	33.368	
3,025.0	3,012.1	2,940.4	2,931.2	7.2	6.8	-172.52	-3.2	-318.5	471.0	457.0	14.01	33.611	
3,050.0	3,036.6	2,963.7	2,954.2	7.2	6.9	-172.49	-2.6	-322.5	480.0	465.8	14.18	33.849	
3,075.0	3,061.1	2,987.1	2,977.1	7.3	7.0	-172.46	-2.0	-326.5	489.0	474.7	14.35	34.082	
3,100.0	3,085.6	3,010.4	3,000.1	7.4	7.1	-172.42	-1.4	-330.5	498.1	483.6	14.52	34.306	
3,125.0	3,110.1	3,033.7	3,023.0	7.5	7.2	-172.40	-0.8	-334.5	507.1	492.4	14.69	34.516	
3,150.0	3,134.6	3,057.0	3,046.0	7.6	7.2	-172.37	-0.2	-338.5	516.1	501.3	14.86	34.722	
3,175.0	3,159.1	3,080.3	3,068.9	7.7	7.3	-172.34	0.4	-342.6	525.2	510.1	15.04	34.922	
3,200.0	3,183.6	3,103.6	3,091.9	7.8	7.4	-172.31	1.0	-346.6	534.2	519.0	15.21	35.117	
3,225.0	3,208.1	3,126.9	3,114.9	7.9	7.5	-172.29	1.6	-350.6	543.2	527.8	15.39	35.299	
3,250.0	3,232.6	3,150.2	3,137.8	8.0	7.6	-172.26	2.2	-354.6	552.3	536.7	15.57	35.477	
3,275.0	3,257.1	3,173.5	3,160.8	8.1	7.7	-172.24	2.8	-358.6	561.3	545.5	15.74	35.650	
3,300.0	3,281.6	3,196.8	3,183.7	8.2	7.8	-172.21	3.4	-362.6	570.3	554.4	15.92	35.820	
3,325.0	3,306.1	3,220.2	3,206.7	8.3	7.8	-172.19	4.0	-366.6	579.4	563.3	16.10	35.978	
3,350.0	3,330.6	3,243.5	3,229.6	8.4	7.9	-172.17	4.7	-370.6	588.4	572.1	16.28	36.133	
3,375.0	3,355.1	3,266.8	3,252.6	8.5	8.0	-172.15	5.3	-374.6	597.4	581.0	16.47	36.283	
3,400.0	3,379.6	3,290.1	3,275.6	8.6	8.1	-172.13	5.9	-378.6	606.5	589.8	16.65	36.431	
3,425.0	3,404.1	3,313.4	3,298.5	8.7	8.2	-172.11	6.5	-382.6	615.5	598.7	16.83	36.570	
3,450.0	3,428.6	3,336.7	3,321.5	8.8	8.3	-172.09	7.1	-386.6	624.5	607.5	17.02	36.704	
3,475.0	3,453.1	3,360.0	3,344.4	8.9	8.4	-172.07	7.7	-390.6	633.6	616.4	17.20	36.836	
3,500.0	3,477.6	3,383.3	3,367.4	9.0	8.5	-172.05	8.3	-394.6	642.6	625.2	17.38	36.964	
3,525.0	3,502.1	3,406.6	3,390.3	9.1	8.6	-172.03	8.9	-398.6	651.6	634.0	17.57	37.086	
3,550.0	3,526.6	3,429.9	3,413.3	9.2	8.7	-172.01	9.5	-402.6	660.7	642.9	17.76	37.204	
3,575.0	3,551.1	3,453.3	3,436.2	9.3	8.8	-172.00	10.1	-406.6	669.7	651.7	17.94	37.319	
3,600.0	3,575.6	3,476.6	3,459.2	9.4	8.8	-171.98	10.7	-410.6	678.7	660.6	18.13	37.432	
3,625.0	3,600.1	3,499.9	3,482.2	9.5	8.9	-171.96	11.3	-414.6	687.8	669.4	18.32	37.540	
3,650.0	3,624.6	3,523.2	3,505.1	9.6	9.0	-171.95	11.9	-418.6	696.8	678.3	18.51	37.643	
3,675.0	3,649.1	3,546.5	3,528.1	9.7	9.1	-171.93	12.5	-422.6	705.8	687.1	18.70	37.744	
3,700.0	3,673.6	3,569.8	3,551.0	9.9	9.2	-171.92	13.1	-426.6	714.8	696.0	18.89	37.843	
3,725.0	3,698.1	3,593.1	3,574.0	10.0	9.3	-171.90	13.7	-430.6	723.9	704.8	19.08	37.938	
3,750.0	3,722.6	3,616.4	3,596.9	10.1	9.4	-171.89	14.4	-434.6	732.9	713.6	19.27	38.029	
3,775.0	3,747.1	3,639.7	3,619.9	10.2	9.5	-171.88	15.0	-438.6	741.9	722.5	19.46	38.119	
3,800.0	3,771.6	3,663.1	3,642.9	10.3	9.6	-171.86	15.6	-442.6	751.0	731.3	19.66	38.206	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
3,825.0	3,796.1	3,686.4	3,665.8	10.4	9.7	-171.85	16.2	-446.6	760.0	740.2	19.85	38.290		
3,850.0	3,820.5	3,709.7	3,688.8	10.5	9.8	-171.84	16.8	-450.6	769.0	749.0	20.04	38.371		
3,875.0	3,845.0	3,733.0	3,711.7	10.6	9.9	-171.82	17.4	-454.6	778.1	757.8	20.24	38.450		
3,900.0	3,869.5	3,756.3	3,734.7	10.7	10.0	-171.81	18.0	-458.6	787.1	766.7	20.43	38.528		
3,925.0	3,894.0	3,779.6	3,757.6	10.8	10.1	-171.80	18.6	-462.6	796.1	775.5	20.62	38.602		
3,950.0	3,918.5	3,802.9	3,780.6	10.9	10.2	-171.79	19.2	-466.6	805.2	784.4	20.82	38.675		
3,975.0	3,943.0	3,826.2	3,803.5	11.0	10.3	-171.78	19.8	-470.6	814.2	793.2	21.01	38.745		
4,000.0	3,967.5	3,849.5	3,826.5	11.1	10.4	-171.77	20.4	-474.6	823.2	802.0	21.21	38.814		
4,025.0	3,992.0	3,872.8	3,849.5	11.2	10.5	-171.75	21.0	-478.6	832.3	810.9	21.41	38.880		
4,050.0	4,016.5	3,896.2	3,872.4	11.4	10.6	-171.74	21.6	-482.6	841.3	819.7	21.60	38.945		
4,075.0	4,041.0	3,919.5	3,895.4	11.5	10.7	-171.73	22.2	-486.6	850.4	828.6	21.80	39.007		
4,100.0	4,065.5	3,942.8	3,918.3	11.6	10.8	-171.72	22.8	-490.6	859.4	837.4	22.00	39.069		
4,125.0	4,090.0	3,966.1	3,941.3	11.7	10.8	-171.71	23.4	-494.6	868.4	846.2	22.19	39.128		
4,150.0	4,114.5	3,989.4	3,964.2	11.8	10.9	-171.70	24.1	-498.6	877.5	855.1	22.39	39.186		
4,175.0	4,139.0	4,012.7	3,987.2	11.9	11.0	-171.69	24.7	-502.6	886.5	863.9	22.59	39.242		
4,200.0	4,163.5	4,036.0	4,010.2	12.0	11.1	-171.68	25.3	-506.6	895.5	872.7	22.79	39.297		
4,225.0	4,188.0	4,059.3	4,033.1	12.1	11.2	-171.68	25.9	-510.6	904.6	881.6	22.99	39.350		
4,250.0	4,212.5	4,082.6	4,056.1	12.2	11.3	-171.67	26.5	-514.6	913.6	890.4	23.19	39.402		
4,275.0	4,237.0	4,105.9	4,079.0	12.3	11.4	-171.66	27.1	-518.6	922.6	899.2	23.39	39.452		
4,300.0	4,261.5	4,129.3	4,102.0	12.4	11.5	-171.65	27.7	-522.6	931.7	908.1	23.59	39.502		
4,325.0	4,286.0	4,152.6	4,124.9	12.6	11.6	-171.64	28.3	-526.6	940.7	916.9	23.79	39.549		
4,350.0	4,310.5	4,175.9	4,147.9	12.7	11.7	-171.63	28.9	-530.6	949.7	925.7	23.99	39.596		
4,375.0	4,335.0	4,199.2	4,170.8	12.8	11.8	-171.62	29.5	-534.6	958.8	934.6	24.19	39.641		
4,400.0	4,359.5	4,222.5	4,193.8	12.9	11.9	-171.62	30.1	-538.6	967.8	943.4	24.39	39.686		
4,425.0	4,384.0	4,245.8	4,216.8	13.0	12.0	-171.61	30.7	-542.6	976.8	952.2	24.59	39.729		
4,450.0	4,408.5	4,269.1	4,239.7	13.1	12.1	-171.60	31.3	-546.6	985.9	961.1	24.79	39.771		
4,475.0	4,433.0	4,292.4	4,262.7	13.2	12.2	-171.59	31.9	-550.6	994.9	969.9	24.99	39.812		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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: Reference		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			
Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-101.66	-41.2	-199.7	203.9						
25.0	25.0	24.0	24.0	0.5	0.1	-101.66	-41.2	-199.7	203.9						
50.0	50.0	49.0	49.0	0.5	0.3	-101.66	-41.2	-199.7	203.9	202.6	1.27	160.381			
75.0	75.0	74.0	74.0	0.5	0.4	-101.66	-41.2	-199.7	203.9	202.5	1.36	149.472			
100.0	100.0	99.0	99.0	0.5	0.5	-101.66	-41.2	-199.7	203.9	202.4	1.48	137.753			
125.0	125.0	124.0	124.0	0.6	0.6	-101.66	-41.2	-199.7	203.9	202.2	1.73	118.116			
150.0	150.0	149.0	149.0	0.8	0.8	-101.66	-41.2	-199.7	203.9	201.9	1.97	103.385			
175.0	175.0	174.0	174.0	0.9	0.9	-101.66	-41.2	-199.7	203.9	201.7	2.22	91.920			
200.0	200.0	199.0	199.0	1.0	1.0	-101.66	-41.2	-199.7	203.9	201.4	2.46	82.745			
225.0	225.0	224.0	224.0	1.1	1.1	-101.66	-41.2	-199.7	203.9	201.3	2.63	77.656			
250.0	250.0	249.0	249.0	1.2	1.2	-101.66	-41.2	-199.7	203.9	201.1	2.79	73.202			
275.0	275.0	274.0	274.0	1.3	1.3	-101.66	-41.2	-199.7	203.9	201.0	2.95	69.231			
300.0	300.0	299.0	299.0	1.4	1.4	-101.66	-41.2	-199.7	203.9	200.8	3.11	65.669			
325.0	325.0	324.0	324.0	1.4	1.4	-101.66	-41.2	-199.7	203.9	200.7	3.23	63.055			
350.0	350.0	349.0	349.0	1.5	1.5	-101.66	-41.2	-199.7	203.9	200.5	3.36	60.653			
375.0	375.0	374.0	374.0	1.6	1.6	-101.66	-41.2	-199.7	203.9	200.4	3.49	58.428			
400.0	400.0	399.0	399.0	1.6	1.6	-101.66	-41.2	-199.7	203.9	200.3	3.62	56.360			
425.0	425.0	424.0	424.0	1.7	1.7	-101.66	-41.2	-199.7	203.9	200.2	3.73	54.690			
450.0	450.0	449.0	449.0	1.8	1.8	-101.66	-41.2	-199.7	203.9	200.1	3.84	53.122			
475.0	475.0	474.0	474.0	1.8	1.8	-101.66	-41.2	-199.7	203.9	200.0	3.95	51.641			
500.0	500.0	499.0	499.0	1.9	1.9	-101.66	-41.2	-199.7	203.9	199.8	4.06	50.241			
525.0	525.0	524.0	524.0	1.9	1.9	-101.66	-41.2	-199.7	203.9	199.7	4.16	49.053			
550.0	550.0	549.0	549.0	2.0	2.0	-101.66	-41.2	-199.7	203.9	199.7	4.25	47.922			
575.0	575.0	574.0	574.0	2.1	2.1	-101.66	-41.2	-199.7	203.9	199.6	4.35	46.842			
600.0	600.0	599.0	599.0	2.1	2.1	-101.66	-41.2	-199.7	203.9	199.5	4.45	45.810			
625.0	625.0	624.0	624.0	2.2	2.2	-101.66	-41.2	-199.7	203.9	199.4	4.54	44.907			
650.0	650.0	649.0	649.0	2.2	2.2	-101.66	-41.2	-199.7	203.9	199.3	4.63	44.041			
675.0	675.0	674.0	674.0	2.3	2.3	-101.66	-41.2	-199.7	203.9	199.2	4.72	43.207			
700.0	700.0	699.0	699.0	2.3	2.3	-101.66	-41.2	-199.7	203.9	199.1	4.81	42.404			
725.0	725.0	724.0	724.0	2.4	2.4	-101.66	-41.2	-199.7	203.9	199.0	4.89	41.687			
750.0	750.0	749.0	749.0	2.4	2.4	-101.66	-41.2	-199.7	203.9	198.9	4.97	40.994			
775.0	775.0	774.0	774.0	2.5	2.5	-101.66	-41.2	-199.7	203.9	198.8	5.06	40.325			
800.0	800.0	799.0	799.0	2.5	2.5	-101.66	-41.2	-199.7	203.9	198.8	5.14	39.676			
825.0	825.0	824.0	824.0	2.6	2.6	-101.66	-41.2	-199.7	203.9	198.7	5.22	39.088			
850.0	850.0	849.0	849.0	2.6	2.6	-101.66	-41.2	-199.7	203.9	198.6	5.29	38.518			
875.0	875.0	874.0	874.0	2.6	2.6	-101.66	-41.2	-199.7	203.9	198.5	5.37	37.964			
900.0	900.0	899.0	899.0	2.7	2.7	-101.66	-41.2	-199.7	203.9	198.5	5.45	37.426			
925.0	925.0	924.0	924.0	2.7	2.7	-101.66	-41.2	-199.7	203.9	198.4	5.52	36.932			
950.0	950.0	949.0	949.0	2.8	2.8	-101.66	-41.2	-199.7	203.9	198.3	5.59	36.451			
975.0	975.0	974.0	974.0	2.8	2.8	-101.66	-41.2	-199.7	203.9	198.2	5.67	35.983			
1,000.0	1,000.0	999.0	999.0	2.9	2.9	-101.66	-41.2	-199.7	203.9	198.2	5.74	35.526			
1,025.0	1,025.0	1,024.0	1,024.0	2.9	2.9	-101.66	-41.2	-199.7	203.9	198.1	5.81	35.104			
1,050.0	1,050.0	1,049.0	1,049.0	3.0	3.0	-101.66	-41.2	-199.7	203.9	198.0	5.88	34.691			
1,075.0	1,075.0	1,074.0	1,074.0	3.0	3.0	-101.66	-41.2	-199.7	203.9	198.0	5.95	34.288			
1,100.0	1,100.0	1,099.0	1,099.0	3.0	3.0	-101.66	-41.2	-199.7	203.9	197.9	6.02	33.894			
1,125.0	1,125.0	1,124.0	1,124.0	3.1	3.1	-101.66	-41.2	-199.7	203.9	197.8	6.08	33.527			
1,150.0	1,150.0	1,149.0	1,149.0	3.1	3.1	-101.66	-41.2	-199.7	203.9	197.8	6.15	33.168			
1,175.0	1,175.0	1,174.0	1,174.0	3.2	3.2	-101.66	-41.2	-199.7	203.9	197.7	6.21	32.816			
1,200.0	1,200.0	1,199.0	1,199.0	3.2	3.2	-101.66	-41.2	-199.7	203.9	197.6	6.28	32.472			
1,225.0	1,225.0	1,224.0	1,224.0	3.2	3.2	-101.66	-41.2	-199.7	203.9	197.6	6.34	32.149			
1,250.0	1,250.0	1,249.0	1,249.0	3.3	3.3	-101.66	-41.2	-199.7	203.9	197.5	6.41	31.832			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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													Offset Well Error: 0.0 usft
Reference													
Offset													
Semi Major Axis													
Offset Wellbore Centre													
Distance													
Between Centres													
Between Ellipses													
No-Go Distance													
Separation Factor													
Warning													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
1,275.0	1,275.0	1,274.0	1,274.0	3.3	3.3	-101.66	-41.2	-199.7	203.9	197.4	6.47	31.522	
1,300.0	1,300.0	1,299.0	1,299.0	3.4	3.4	-101.66	-41.2	-199.7	203.9	197.4	6.53	31.217	
1,325.0	1,325.0	1,324.0	1,324.0	3.4	3.4	-101.66	-41.2	-199.7	203.9	197.3	6.59	30.930	
1,350.0	1,350.0	1,349.0	1,349.0	3.4	3.4	-101.66	-41.2	-199.7	203.9	197.3	6.65	30.648	
1,375.0	1,375.0	1,374.0	1,374.0	3.5	3.5	-101.66	-41.2	-199.7	203.9	197.2	6.71	30.371	
1,400.0	1,400.0	1,399.0	1,399.0	3.5	3.5	-101.66	-41.2	-199.7	203.9	197.1	6.77	30.099	
1,425.0	1,425.0	1,424.0	1,424.0	3.6	3.6	-101.66	-41.2	-199.7	203.9	197.1	6.83	29.842	
1,450.0	1,450.0	1,449.0	1,449.0	3.6	3.6	-101.66	-41.2	-199.7	203.9	197.0	6.89	29.588	
1,475.0	1,475.0	1,474.0	1,474.0	3.6	3.6	-101.66	-41.2	-199.7	203.9	197.0	6.95	29.339	
1,500.0	1,500.0	1,499.0	1,499.0	3.7	3.7	-101.66	-41.2	-199.7	203.9	196.9	7.01	29.095	
1,525.0	1,525.0	1,524.0	1,524.0	3.7	3.7	-101.66	-41.2	-199.7	203.9	196.8	7.06	28.862	
1,550.0	1,550.0	1,549.0	1,549.0	3.8	3.8	-101.66	-41.2	-199.7	203.9	196.8	7.12	28.633	
1,575.0	1,575.0	1,574.0	1,574.0	3.8	3.8	-101.66	-41.2	-199.7	203.9	196.7	7.18	28.407	
1,600.0	1,600.0	1,599.0	1,599.0	3.8	3.8	-101.66	-41.2	-199.7	203.9	196.7	7.23	28.185	
1,625.0	1,625.0	1,624.0	1,624.0	3.9	3.9	-101.66	-41.2	-199.7	203.9	196.6	7.29	27.974	
1,650.0	1,650.0	1,649.0	1,649.0	3.9	3.9	-101.66	-41.2	-199.7	203.9	196.6	7.34	27.765	
1,675.0	1,675.0	1,674.0	1,674.0	3.9	3.9	-101.66	-41.2	-199.7	203.9	196.5	7.40	27.560	
1,700.0	1,700.0	1,699.0	1,699.0	4.0	4.0	-101.66	-41.2	-199.7	203.9	196.5	7.45	27.357	
1,725.0	1,725.0	1,724.0	1,724.0	4.0	4.0	-101.66	-41.2	-199.7	203.9	196.4	7.51	27.163	
1,750.0	1,750.0	1,749.0	1,749.0	4.1	4.1	-101.66	-41.2	-199.7	203.9	196.3	7.56	26.972	
1,775.0	1,775.0	1,774.0	1,774.0	4.1	4.1	-101.66	-41.2	-199.7	203.9	196.3	7.61	26.784	
1,800.0	1,800.0	1,799.0	1,799.0	4.1	4.1	-101.66	-41.2	-199.7	203.9	196.2	7.67	26.598	
1,825.0	1,825.0	1,824.0	1,824.0	4.2	4.2	-101.66	-41.2	-199.7	203.9	196.2	7.72	26.420	
1,850.0	1,850.0	1,849.0	1,849.0	4.2	4.2	-101.66	-41.2	-199.7	203.9	196.1	7.77	26.244	
1,875.0	1,875.0	1,874.0	1,874.0	4.2	4.2	-101.66	-41.2	-199.7	203.9	196.1	7.82	26.071	
1,900.0	1,900.0	1,899.0	1,899.0	4.3	4.3	-101.66	-41.2	-199.7	203.9	196.0	7.87	25.899	
1,925.0	1,925.0	1,924.0	1,924.0	4.3	4.3	-101.66	-41.2	-199.7	203.9	196.0	7.92	25.735	
1,950.0	1,950.0	1,949.0	1,949.0	4.3	4.3	-101.66	-41.2	-199.7	203.9	195.9	7.97	25.572	
1,975.0	1,975.0	1,974.0	1,974.0	4.4	4.4	-101.66	-41.2	-199.7	203.9	195.9	8.02	25.412	
2,000.0	2,000.0	1,999.0	1,999.0	4.4	4.4	-101.66	-41.2	-199.7	203.9	195.8	8.07	25.253 CC, ES	
2,025.0	2,025.0	2,022.4	2,022.4	4.4	4.4	179.27	-41.2	-199.8	204.1	195.9	8.18	24.961	
2,050.0	2,050.0	2,045.8	2,045.8	4.5	4.5	179.28	-41.2	-200.1	204.7	196.4	8.28	24.721	
2,075.0	2,075.0	2,069.1	2,069.1	4.5	4.5	179.31	-41.2	-200.5	205.8	197.4	8.39	24.534	
2,100.0	2,100.0	2,092.4	2,092.4	4.5	4.5	179.35	-41.2	-201.2	207.2	198.7	8.49	24.398	
2,125.0	2,125.0	2,115.7	2,115.7	4.6	4.5	179.40	-41.2	-202.0	209.1	200.5	8.63	24.215	
2,150.0	2,149.9	2,138.9	2,138.9	4.6	4.6	179.46	-41.2	-203.1	211.4	202.6	8.78	24.067	
2,175.0	2,174.9	2,162.1	2,162.0	4.7	4.6	179.53	-41.2	-204.3	214.1	205.1	8.93	23.971	
2,200.0	2,199.8	2,185.2	2,185.1	4.7	4.7	179.60	-41.2	-205.7	217.2	208.1	9.08	23.925	
2,225.0	2,224.8	2,208.2	2,208.0	4.7	4.7	179.69	-41.2	-207.3	220.7	211.5	9.23	23.919 SF	
2,250.0	2,249.7	2,231.2	2,230.9	4.8	4.7	179.78	-41.2	-209.0	224.6	215.3	9.38	23.954	
2,275.0	2,274.6	2,254.0	2,253.7	4.8	4.8	179.87	-41.2	-211.0	229.0	219.5	9.53	24.032	
2,300.0	2,299.5	2,276.7	2,276.3	4.9	4.8	179.97	-41.2	-213.1	233.7	224.1	9.68	24.152	
2,325.0	2,324.3	2,300.0	2,299.5	4.9	4.8	-179.92	-41.2	-215.4	238.9	229.1	9.83	24.298	
2,350.0	2,349.1	2,321.9	2,321.2	5.0	4.9	-179.81	-41.2	-217.8	244.5	234.5	9.98	24.484	
2,375.0	2,373.9	2,344.2	2,343.4	5.1	4.9	-179.70	-41.2	-220.4	250.4	240.3	10.14	24.699	
2,400.0	2,398.7	2,366.5	2,365.5	5.1	4.9	-179.58	-41.2	-223.1	256.8	246.5	10.29	24.952	
2,425.0	2,423.4	2,388.6	2,387.4	5.2	5.0	-179.47	-41.2	-226.0	263.5	253.1	10.45	25.228	
2,450.0	2,448.2	2,410.5	2,409.1	5.3	5.1	-179.35	-41.2	-229.1	270.7	260.1	10.60	25.531	
2,475.0	2,472.8	2,432.3	2,430.6	5.4	5.2	-179.23	-41.2	-232.3	278.2	267.5	10.76	25.860	
2,500.0	2,497.5	2,453.9	2,452.0	5.4	5.2	-179.12	-41.2	-235.6	286.2	275.2	10.91	26.219	
2,525.0	2,522.1	2,475.3	2,473.1	5.5	5.3	-179.00	-41.2	-239.0	294.5	283.4	11.05	26.644	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
2,550.0	2,546.6	2,500.0	2,497.5	5.6	5.4	-178.87	-41.2	-243.2	303.2	291.9	11.21	27.041	
2,575.0	2,571.2	2,517.7	2,514.8	5.7	5.5	-178.77	-41.2	-246.3	312.2	300.9	11.33	27.563	
2,600.0	2,595.6	2,538.5	2,535.4	5.7	5.5	-178.67	-41.2	-250.2	321.5	310.1	11.45	28.085	
2,625.0	2,620.1	2,559.3	2,555.8	5.8	5.6	-178.56	-41.2	-254.1	331.0	319.4	11.59	28.556	
2,650.0	2,644.6	2,580.0	2,576.0	5.9	5.7	-178.46	-41.2	-258.2	340.7	329.0	11.73	29.033	
2,675.0	2,669.1	2,600.0	2,595.6	5.9	5.8	-178.36	-41.2	-262.3	350.5	338.6	11.87	29.526	
2,700.0	2,693.6	2,620.9	2,616.1	6.0	5.9	-178.25	-41.2	-266.7	360.5	348.5	12.02	29.996	
2,725.0	2,718.1	2,641.2	2,635.9	6.1	5.9	-178.15	-41.2	-271.2	370.7	358.5	12.16	30.473	
2,750.0	2,742.6	2,661.4	2,655.5	6.2	6.0	-178.05	-41.2	-275.7	381.0	368.7	12.31	30.954	
2,775.0	2,767.1	2,681.4	2,675.0	6.3	6.1	-177.96	-41.2	-280.4	391.4	379.0	12.45	31.440	
2,800.0	2,791.6	2,700.0	2,693.1	6.4	6.2	-177.87	-41.2	-284.8	402.1	389.5	12.58	31.958	
2,825.0	2,816.1	2,721.0	2,713.5	6.4	6.2	-177.77	-41.2	-290.0	412.8	400.1	12.71	32.479	
2,850.0	2,840.6	2,740.7	2,732.5	6.5	6.3	-177.68	-41.2	-294.9	423.8	411.0	12.83	33.028	
2,875.0	2,865.1	2,761.7	2,752.8	6.6	6.3	-177.58	-41.2	-300.3	434.9	421.9	12.96	33.550	
2,900.0	2,889.6	2,784.1	2,774.4	6.7	6.4	-177.49	-41.2	-306.1	445.9	432.8	13.10	34.035	
2,925.0	2,914.1	2,806.5	2,796.0	6.8	6.5	-177.39	-41.2	-311.9	457.0	443.8	13.25	34.487	
2,950.0	2,938.6	2,828.9	2,817.7	6.9	6.6	-177.30	-41.2	-317.7	468.1	454.7	13.41	34.897	
2,975.0	2,963.1	2,851.3	2,839.3	7.0	6.6	-177.22	-41.2	-323.5	479.2	465.6	13.58	35.297	
3,000.0	2,987.6	2,873.7	2,860.9	7.1	6.7	-177.14	-41.2	-329.3	490.3	476.6	13.74	35.687	
3,025.0	3,012.1	2,896.1	2,882.6	7.2	6.8	-177.06	-41.2	-335.1	501.4	487.5	13.90	36.060	
3,050.0	3,036.6	2,918.5	2,904.2	7.2	6.9	-176.99	-41.2	-340.9	512.5	498.4	14.07	36.417	
3,075.0	3,061.1	2,940.9	2,925.8	7.3	7.0	-176.92	-41.2	-346.7	523.6	509.3	14.24	36.764	
3,100.0	3,085.6	2,963.3	2,947.5	7.4	7.0	-176.85	-41.2	-352.5	534.7	520.3	14.41	37.103	
3,125.0	3,110.1	2,985.7	2,969.1	7.5	7.1	-176.79	-41.2	-358.3	545.8	531.2	14.58	37.427	
3,150.0	3,134.6	3,008.1	2,990.7	7.6	7.2	-176.72	-41.2	-364.1	556.9	542.1	14.76	37.741	
3,175.0	3,159.1	3,030.5	3,012.4	7.7	7.3	-176.66	-41.2	-369.9	568.0	553.0	14.93	38.043	
3,200.0	3,183.6	3,052.9	3,034.0	7.8	7.4	-176.61	-41.2	-375.7	579.1	564.0	15.10	38.338	
3,225.0	3,208.1	3,075.3	3,055.6	7.9	7.5	-176.55	-41.2	-381.5	590.2	574.9	15.28	38.620	
3,250.0	3,232.6	3,097.7	3,077.3	8.0	7.6	-176.50	-41.2	-387.3	601.3	585.8	15.46	38.895	
3,275.0	3,257.1	3,120.1	3,098.9	8.1	7.6	-176.45	-41.2	-393.1	612.3	596.7	15.64	39.159	
3,300.0	3,281.6	3,142.5	3,120.5	8.2	7.7	-176.40	-41.2	-398.9	623.4	607.6	15.82	39.417	
3,325.0	3,306.1	3,164.9	3,142.2	8.3	7.8	-176.35	-41.2	-404.7	634.5	618.5	16.00	39.663	
3,350.0	3,330.6	3,187.3	3,163.8	8.4	7.9	-176.30	-41.2	-410.5	645.6	629.5	16.18	39.904	
3,375.0	3,355.1	3,209.6	3,185.4	8.5	8.0	-176.26	-41.2	-416.3	656.7	640.4	16.36	40.137	
3,400.0	3,379.6	3,232.0	3,207.1	8.6	8.1	-176.22	-41.2	-422.1	667.8	651.3	16.55	40.363	
3,425.0	3,404.1	3,254.4	3,228.7	8.7	8.2	-176.17	-41.2	-427.9	678.9	662.2	16.73	40.579	
3,450.0	3,428.6	3,276.8	3,250.3	8.8	8.3	-176.13	-41.2	-433.7	690.0	673.1	16.92	40.790	
3,475.0	3,453.1	3,299.2	3,272.0	8.9	8.4	-176.10	-41.2	-439.5	701.1	684.0	17.10	40.997	
3,500.0	3,477.6	3,321.6	3,293.6	9.0	8.5	-176.06	-41.2	-445.3	712.2	695.0	17.29	41.195	
3,525.0	3,502.1	3,344.0	3,315.2	9.1	8.6	-176.02	-41.2	-451.1	723.3	705.9	17.48	41.385	
3,550.0	3,526.6	3,366.4	3,336.9	9.2	8.7	-175.98	-41.2	-456.9	734.4	716.8	17.67	41.571	
3,575.0	3,551.1	3,388.8	3,358.5	9.3	8.7	-175.95	-41.2	-462.7	745.5	727.7	17.86	41.753	
3,600.0	3,575.6	3,411.2	3,380.1	9.4	8.8	-175.92	-41.2	-468.5	756.6	738.6	18.05	41.929	
3,625.0	3,600.1	3,433.6	3,401.8	9.5	8.9	-175.88	-41.2	-474.2	767.7	749.5	18.24	42.097	
3,650.0	3,624.6	3,456.0	3,423.4	9.6	9.0	-175.85	-41.2	-480.0	778.8	760.4	18.43	42.261	
3,675.0	3,649.1	3,478.4	3,445.0	9.7	9.1	-175.82	-41.2	-485.8	789.9	771.3	18.62	42.422	
3,700.0	3,673.6	3,500.8	3,466.7	9.9	9.2	-175.79	-41.2	-491.6	801.1	782.2	18.81	42.579	
3,725.0	3,698.1	3,523.2	3,488.3	10.0	9.3	-175.76	-41.2	-497.4	812.2	793.1	19.01	42.728	
3,750.0	3,722.6	3,545.6	3,510.0	10.1	9.4	-175.73	-41.2	-503.2	823.3	804.1	19.20	42.873	
3,775.0	3,747.1	3,568.0	3,531.6	10.2	9.5	-175.71	-41.2	-509.0	834.4	815.0	19.40	43.016	
3,800.0	3,771.6	3,590.4	3,553.2	10.3	9.6	-175.68	-41.2	-514.8	845.5	825.9	19.59	43.156	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	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												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
3,825.0	3,796.1	3,612.8	3,574.9	10.4	9.7	-175.65	-41.2	-520.6	856.6	836.8	19.79	43.289	
3,850.0	3,820.5	3,635.2	3,596.5	10.5	9.8	-175.63	-41.2	-526.4	867.7	847.7	19.98	43.419	
3,875.0	3,845.0	3,657.6	3,618.1	10.6	9.9	-175.60	-41.2	-532.2	878.8	858.6	20.18	43.546	
3,900.0	3,869.5	3,680.0	3,639.8	10.7	10.0	-175.58	-41.2	-538.0	889.9	869.5	20.38	43.670	
3,925.0	3,894.0	3,702.4	3,661.4	10.8	10.1	-175.56	-41.2	-543.8	901.0	880.4	20.57	43.790	
3,950.0	3,918.5	3,724.8	3,683.0	10.9	10.2	-175.53	-41.2	-549.6	912.1	891.3	20.77	43.906	
3,975.0	3,943.0	3,747.2	3,704.7	11.0	10.3	-175.51	-41.2	-555.4	923.2	902.2	20.97	44.020	
4,000.0	3,967.5	3,769.6	3,726.3	11.1	10.4	-175.49	-41.2	-561.2	934.3	913.1	21.17	44.131	
4,025.0	3,992.0	3,792.0	3,747.9	11.2	10.5	-175.47	-41.2	-567.0	945.4	924.0	21.37	44.238	
4,050.0	4,016.5	3,814.4	3,769.6	11.4	10.6	-175.45	-41.2	-572.8	956.5	934.9	21.57	44.343	
4,075.0	4,041.0	3,836.8	3,791.2	11.5	10.7	-175.43	-41.2	-578.6	967.6	945.8	21.77	44.445	
4,100.0	4,065.5	3,859.2	3,812.8	11.6	10.8	-175.41	-41.2	-584.4	978.7	956.7	21.97	44.544	
4,125.0	4,090.0	3,881.5	3,834.5	11.7	10.9	-175.39	-41.2	-590.2	989.8	967.6	22.17	44.641	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=32ft @ 2946.0usft

Offset Depths are relative to Offset Datum

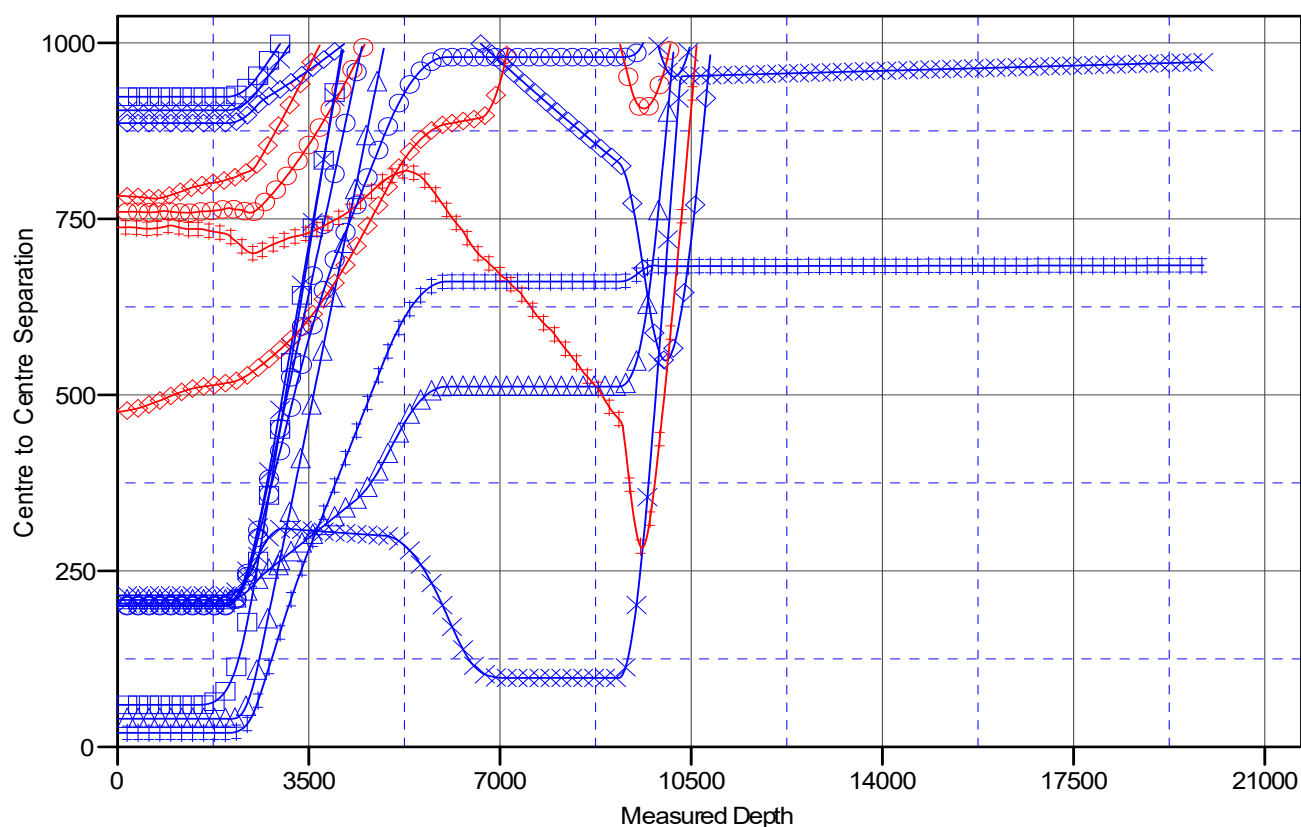
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 701H

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

Grid Convergence at Surface is: 0.16°

Ladder Plot



LEGEND

MOMBA FEDERAL COM #702H OWB, AWP V0	TATER SALAD FEDERAL COM703H, OWB, PWP1 V0	MOMBA FEDERAL COM #903H OWB, PWP2 V0
MOMBA FEDERAL COM #703H OWB, AWP V0	MOMBA 24 FEDERAL COM #1H OWB, AWP V0	TATER SALAD FEDERAL COM902H, OWB, PWP1 V0
MOMBA FEDERAL COM #901H OWB, PWP1 V0	TATER SALAD FEDERAL COM901H, OWB, PWP1 V0	TATER SALAD FEDERAL COM702H, OWB, PWP1 V0
MOMBA FEDERAL COM #902H OWB, PWP2 V0	TATER SALAD FEDERAL COM904H, OWB, PWP1 V0	TATER SALAD FEDERAL COM704H, OWB, PWP1 V0
TATER SALAD FEDERAL COM905H, OWB, PWP1 V0	MOMBA FEDERAL COM #701H OWB, AWP V0	TATER SALAD FEDERAL COM903H, OWB, PWP1 V0

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Project:	ATLAS PROSPECT (DBW)	TVD Reference:	RKB=32ft @ 2946.0usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB=32ft @ 2946.0usft

Offset Depths are relative to Offset Datum

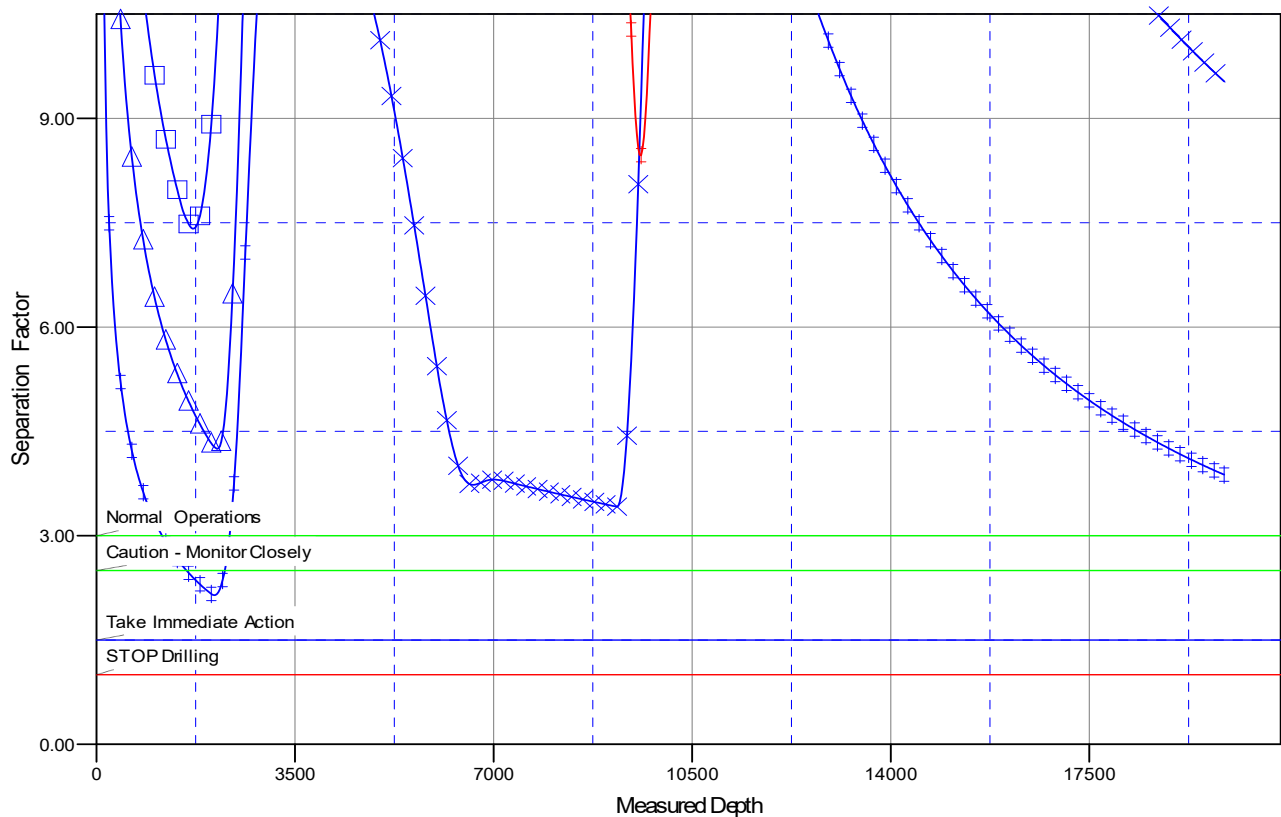
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 701H

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

Grid Convergence at Surface is: 0.16°

Separation Factor Plot



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

DELAWARE BASIN WEST

ATLAS PROSPECT (DBW)

TATER SALAD & MOMBA FEDERAL

TATER SALAD FEDERAL COM 701H

300154774500

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 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	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
From:	Map	Easting:	593,463.23 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 6.913 N
		Longitude:	104° 1' 54.189 W

Well	TATER SALAD FEDERAL COM 701H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
Grid Convergence:	0.16 °		
		Latitude:	32° 2' 5.049 N
		Longitude:	104° 2' 5.211 W
		Ground Level:	2,914.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2024	12/31/2025	6.39	59.51	47,044.53855857

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	3.30

Plan Survey Tool Program		Date	2/18/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	2,000.0 PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	2,000.0	9,179.3 PWP1 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	9,179.3	19,877.3 PWP1 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +		

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,575.0	11.50	79.08	2,571.2	10.9	56.5	2.00	2.00	0.00	79.08	
4,874.1	11.50	79.08	4,824.1	97.7	506.6	0.00	0.00	0.00	0.00	
6,024.1	0.00	0.00	5,966.4	119.5	619.5	1.00	-1.00	0.00	180.00	
9,179.3	0.00	0.00	9,121.5	119.5	619.5	0.00	0.00	0.00	0.00	
9,925.6	89.56	359.93	9,599.0	593.3	618.9	12.00	12.00	-0.01	359.93	
19,877.3	89.56	359.93	9,676.0	10,544.7	607.3	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 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	79.08	2,100.0	0.3	1.7	0.4	2.00	2.00	0.00
2,200.0	4.00	79.08	2,199.8	1.3	6.9	1.7	2.00	2.00	0.00
2,300.0	6.00	79.08	2,299.5	3.0	15.4	3.9	2.00	2.00	0.00
2,400.0	8.00	79.08	2,398.7	5.3	27.4	6.8	2.00	2.00	0.00
2,500.0	10.00	79.08	2,497.5	8.2	42.7	10.7	2.00	2.00	0.00
2,575.0	11.50	79.08	2,571.2	10.9	56.5	14.1	2.00	2.00	0.00
2,600.0	11.50	79.08	2,595.6	11.8	61.4	15.3	0.00	0.00	0.00
2,700.0	11.50	79.08	2,693.6	15.6	80.9	20.2	0.00	0.00	0.00
2,800.0	11.50	79.08	2,791.6	19.4	100.5	25.1	0.00	0.00	0.00
2,900.0	11.50	79.08	2,889.6	23.2	120.1	30.0	0.00	0.00	0.00
3,000.0	11.50	79.08	2,987.6	26.9	139.7	34.9	0.00	0.00	0.00
3,100.0	11.50	79.08	3,085.6	30.7	159.2	39.8	0.00	0.00	0.00
3,200.0	11.50	79.08	3,183.6	34.5	178.8	44.7	0.00	0.00	0.00
3,300.0	11.50	79.08	3,281.6	38.3	198.4	49.6	0.00	0.00	0.00
3,400.0	11.50	79.08	3,379.6	42.0	218.0	54.5	0.00	0.00	0.00
3,500.0	11.50	79.08	3,477.6	45.8	237.6	59.4	0.00	0.00	0.00
3,600.0	11.50	79.08	3,575.6	49.6	257.1	64.3	0.00	0.00	0.00
3,700.0	11.50	79.08	3,673.6	53.4	276.7	69.2	0.00	0.00	0.00
3,800.0	11.50	79.08	3,771.6	57.2	296.3	74.1	0.00	0.00	0.00
3,900.0	11.50	79.08	3,869.5	60.9	315.9	79.0	0.00	0.00	0.00
4,000.0	11.50	79.08	3,967.5	64.7	335.4	83.9	0.00	0.00	0.00
4,100.0	11.50	79.08	4,065.5	68.5	355.0	88.8	0.00	0.00	0.00
4,200.0	11.50	79.08	4,163.5	72.3	374.6	93.7	0.00	0.00	0.00
4,300.0	11.50	79.08	4,261.5	76.0	394.2	98.6	0.00	0.00	0.00
4,400.0	11.50	79.08	4,359.5	79.8	413.7	103.5	0.00	0.00	0.00
4,500.0	11.50	79.08	4,457.5	83.6	433.3	108.4	0.00	0.00	0.00
4,600.0	11.50	79.08	4,555.5	87.4	452.9	113.3	0.00	0.00	0.00
4,700.0	11.50	79.08	4,653.5	91.1	472.5	118.2	0.00	0.00	0.00
4,800.0	11.50	79.08	4,751.5	94.9	492.0	123.0	0.00	0.00	0.00
4,874.1	11.50	79.08	4,824.1	97.7	506.6	126.7	0.00	0.00	0.00
4,900.0	11.24	79.08	4,849.5	98.7	511.6	127.9	1.00	-1.00	0.00
5,000.0	10.24	79.08	4,947.7	102.2	529.9	132.5	1.00	-1.00	0.00
5,100.0	9.24	79.08	5,046.3	105.4	546.5	136.7	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	8.24	79.08	5,145.1	108.3	561.4	140.4	1.00	-1.00	0.00
5,300.0	7.24	79.08	5,244.2	110.8	574.6	143.7	1.00	-1.00	0.00
5,400.0	6.24	79.08	5,343.5	113.1	586.2	146.6	1.00	-1.00	0.00
5,500.0	5.24	79.08	5,443.0	115.0	596.0	149.0	1.00	-1.00	0.00
5,600.0	4.24	79.08	5,542.7	116.5	604.1	151.1	1.00	-1.00	0.00
5,700.0	3.24	79.08	5,642.5	117.8	610.5	152.7	1.00	-1.00	0.00
5,800.0	2.24	79.08	5,742.3	118.7	615.2	153.8	1.00	-1.00	0.00
5,900.0	1.24	79.08	5,842.3	119.2	618.2	154.6	1.00	-1.00	0.00
6,000.0	0.24	79.08	5,942.3	119.5	619.5	154.9	1.00	-1.00	0.00
6,024.1	0.00	0.00	5,966.4	119.5	619.5	154.9	1.00	-1.00	0.00
6,100.0	0.00	0.00	6,042.3	119.5	619.5	154.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,142.3	119.5	619.5	154.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,242.3	119.5	619.5	154.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,342.3	119.5	619.5	154.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,442.3	119.5	619.5	154.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,542.3	119.5	619.5	154.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,642.3	119.5	619.5	154.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,742.3	119.5	619.5	154.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,842.3	119.5	619.5	154.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,942.3	119.5	619.5	154.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,042.3	119.5	619.5	154.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,142.3	119.5	619.5	154.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,242.3	119.5	619.5	154.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,342.3	119.5	619.5	154.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,442.3	119.5	619.5	154.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,542.3	119.5	619.5	154.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,642.3	119.5	619.5	154.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,742.3	119.5	619.5	154.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,842.3	119.5	619.5	154.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,942.3	119.5	619.5	154.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,042.3	119.5	619.5	154.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,142.3	119.5	619.5	154.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,242.3	119.5	619.5	154.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,342.3	119.5	619.5	154.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,442.3	119.5	619.5	154.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,542.3	119.5	619.5	154.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,642.3	119.5	619.5	154.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,742.3	119.5	619.5	154.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,842.3	119.5	619.5	154.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,942.3	119.5	619.5	154.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,042.3	119.5	619.5	154.9	0.00	0.00	0.00
9,179.3	0.00	0.00	9,121.5	119.5	619.5	154.9	0.00	0.00	0.00
9,200.0	2.49	359.93	9,142.3	120.0	619.5	155.4	12.00	12.00	0.00
9,225.0	5.49	359.93	9,167.2	121.7	619.5	157.1	12.00	12.00	0.00
9,250.0	8.49	359.93	9,192.0	124.7	619.5	160.1	12.00	12.00	0.00
9,275.0	11.49	359.93	9,216.6	129.1	619.5	164.5	12.00	12.00	0.00
9,300.0	14.49	359.93	9,241.0	134.7	619.5	170.1	12.00	12.00	0.00
9,325.0	17.49	359.93	9,265.0	141.6	619.5	177.0	12.00	12.00	0.00
9,350.0	20.49	359.93	9,288.7	149.7	619.5	185.1	12.00	12.00	0.00
9,375.0	23.49	359.93	9,311.8	159.1	619.5	194.4	12.00	12.00	0.00
9,400.0	26.49	359.93	9,334.5	169.6	619.4	205.0	12.00	12.00	0.00
9,425.0	29.49	359.93	9,356.6	181.4	619.4	216.7	12.00	12.00	0.00
9,450.0	32.49	359.93	9,378.0	194.2	619.4	229.5	12.00	12.00	0.00
9,475.0	35.49	359.93	9,398.7	208.2	619.4	243.5	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,500.0	38.49	359.93	9,418.7	223.2	619.4	258.5	12.00	12.00	0.00	
9,525.0	41.49	359.93	9,437.9	239.3	619.4	274.5	12.00	12.00	0.00	
9,550.0	44.49	359.93	9,456.1	256.3	619.3	291.5	12.00	12.00	0.00	
9,575.0	47.49	359.93	9,473.5	274.3	619.3	309.5	12.00	12.00	0.00	
9,600.0	50.49	359.93	9,489.9	293.2	619.3	328.3	12.00	12.00	0.00	
9,625.0	53.49	359.93	9,505.3	312.9	619.3	348.0	12.00	12.00	0.00	
9,650.0	56.49	359.93	9,519.6	333.4	619.2	368.4	12.00	12.00	0.00	
9,675.0	59.49	359.93	9,532.9	354.5	619.2	389.6	12.00	12.00	0.00	
9,700.0	62.49	359.93	9,545.0	376.4	619.2	411.4	12.00	12.00	0.00	
9,725.0	65.49	359.93	9,556.0	398.9	619.2	433.8	12.00	12.00	0.00	
9,750.0	68.49	359.93	9,565.8	421.9	619.1	456.8	12.00	12.00	0.00	
9,775.0	71.49	359.93	9,574.3	445.4	619.1	480.2	12.00	12.00	0.00	
9,800.0	74.49	359.93	9,581.6	469.3	619.1	504.1	12.00	12.00	0.00	
9,825.0	77.49	359.93	9,587.7	493.5	619.1	528.3	12.00	12.00	0.00	
9,850.0	80.49	359.93	9,592.4	518.1	619.0	552.8	12.00	12.00	0.00	
9,875.0	83.49	359.93	9,595.9	542.8	619.0	577.5	12.00	12.00	0.00	
9,900.0	86.49	359.93	9,598.1	567.7	619.0	602.4	12.00	12.00	0.00	
9,925.6	89.56	359.93	9,599.0	593.3	618.9	627.9	12.00	12.00	0.00	
10,000.0	89.56	359.93	9,599.6	667.7	618.9	702.2	0.00	0.00	0.00	
10,100.0	89.56	359.93	9,600.3	767.7	618.7	802.0	0.00	0.00	0.00	
10,200.0	89.56	359.93	9,601.1	867.7	618.6	901.8	0.00	0.00	0.00	
10,300.0	89.56	359.93	9,601.9	967.7	618.5	1,001.6	0.00	0.00	0.00	
10,400.0	89.56	359.93	9,602.7	1,067.7	618.4	1,101.5	0.00	0.00	0.00	
10,500.0	89.56	359.93	9,603.4	1,167.7	618.3	1,201.3	0.00	0.00	0.00	
10,600.0	89.56	359.93	9,604.2	1,267.7	618.2	1,301.1	0.00	0.00	0.00	
10,700.0	89.56	359.93	9,605.0	1,367.7	618.0	1,400.9	0.00	0.00	0.00	
10,800.0	89.56	359.93	9,605.8	1,467.7	617.9	1,500.8	0.00	0.00	0.00	
10,900.0	89.56	359.93	9,606.5	1,567.7	617.8	1,600.6	0.00	0.00	0.00	
11,000.0	89.56	359.93	9,607.3	1,667.7	617.7	1,700.4	0.00	0.00	0.00	
11,100.0	89.56	359.93	9,608.1	1,767.7	617.6	1,800.2	0.00	0.00	0.00	
11,200.0	89.56	359.93	9,608.9	1,867.7	617.5	1,900.1	0.00	0.00	0.00	
11,300.0	89.56	359.93	9,609.6	1,967.7	617.3	1,999.9	0.00	0.00	0.00	
11,400.0	89.56	359.93	9,610.4	2,067.7	617.2	2,099.7	0.00	0.00	0.00	
11,500.0	89.56	359.93	9,611.2	2,167.6	617.1	2,199.5	0.00	0.00	0.00	
11,600.0	89.56	359.93	9,612.0	2,267.6	617.0	2,299.4	0.00	0.00	0.00	
11,700.0	89.56	359.93	9,612.7	2,367.6	616.9	2,399.2	0.00	0.00	0.00	
11,800.0	89.56	359.93	9,613.5	2,467.6	616.8	2,499.0	0.00	0.00	0.00	
11,900.0	89.56	359.93	9,614.3	2,567.6	616.6	2,598.8	0.00	0.00	0.00	
12,000.0	89.56	359.93	9,615.1	2,667.6	616.5	2,698.7	0.00	0.00	0.00	
12,100.0	89.56	359.93	9,615.8	2,767.6	616.4	2,798.5	0.00	0.00	0.00	
12,200.0	89.56	359.93	9,616.6	2,867.6	616.3	2,898.3	0.00	0.00	0.00	
12,300.0	89.56	359.93	9,617.4	2,967.6	616.2	2,998.1	0.00	0.00	0.00	
12,400.0	89.56	359.93	9,618.1	3,067.6	616.0	3,098.0	0.00	0.00	0.00	
12,500.0	89.56	359.93	9,618.9	3,167.6	615.9	3,197.8	0.00	0.00	0.00	
12,600.0	89.56	359.93	9,619.7	3,267.6	615.8	3,297.6	0.00	0.00	0.00	
12,700.0	89.56	359.93	9,620.5	3,367.6	615.7	3,397.4	0.00	0.00	0.00	
12,800.0	89.56	359.93	9,621.2	3,467.6	615.6	3,497.3	0.00	0.00	0.00	
12,900.0	89.56	359.93	9,622.0	3,567.6	615.5	3,597.1	0.00	0.00	0.00	
13,000.0	89.56	359.93	9,622.8	3,667.6	615.3	3,696.9	0.00	0.00	0.00	
13,100.0	89.56	359.93	9,623.6	3,767.6	615.2	3,796.7	0.00	0.00	0.00	
13,200.0	89.56	359.93	9,624.3	3,867.6	615.1	3,896.6	0.00	0.00	0.00	
13,300.0	89.56	359.93	9,625.1	3,967.6	615.0	3,996.4	0.00	0.00	0.00	
13,400.0	89.56	359.93	9,625.9	4,067.6	614.9	4,096.2	0.00	0.00	0.00	
13,500.0	89.56	359.93	9,626.7	4,167.6	614.8	4,196.0	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	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	89.56	359.93	9,627.4	4,267.6	614.6	4,295.9	0.00	0.00	0.00	
13,700.0	89.56	359.93	9,628.2	4,367.6	614.5	4,395.7	0.00	0.00	0.00	
13,800.0	89.56	359.93	9,629.0	4,467.6	614.4	4,495.5	0.00	0.00	0.00	
13,900.0	89.56	359.93	9,629.8	4,567.6	614.3	4,595.3	0.00	0.00	0.00	
14,000.0	89.56	359.93	9,630.5	4,667.6	614.2	4,695.2	0.00	0.00	0.00	
14,100.0	89.56	359.93	9,631.3	4,767.6	614.1	4,795.0	0.00	0.00	0.00	
14,200.0	89.56	359.93	9,632.1	4,867.6	613.9	4,894.8	0.00	0.00	0.00	
14,300.0	89.56	359.93	9,632.8	4,967.6	613.8	4,994.6	0.00	0.00	0.00	
14,400.0	89.56	359.93	9,633.6	5,067.6	613.7	5,094.5	0.00	0.00	0.00	
14,500.0	89.56	359.93	9,634.4	5,167.6	613.6	5,194.3	0.00	0.00	0.00	
14,600.0	89.56	359.93	9,635.2	5,267.6	613.5	5,294.1	0.00	0.00	0.00	
14,700.0	89.56	359.93	9,635.9	5,367.6	613.4	5,393.9	0.00	0.00	0.00	
14,800.0	89.56	359.93	9,636.7	5,467.5	613.2	5,493.8	0.00	0.00	0.00	
14,900.0	89.56	359.93	9,637.5	5,567.5	613.1	5,593.6	0.00	0.00	0.00	
15,000.0	89.56	359.93	9,638.3	5,667.5	613.0	5,693.4	0.00	0.00	0.00	
15,100.0	89.56	359.93	9,639.0	5,767.5	612.9	5,793.2	0.00	0.00	0.00	
15,200.0	89.56	359.93	9,639.8	5,867.5	612.8	5,893.1	0.00	0.00	0.00	
15,300.0	89.56	359.93	9,640.6	5,967.5	612.7	5,992.9	0.00	0.00	0.00	
15,400.0	89.56	359.93	9,641.4	6,067.5	612.5	6,092.7	0.00	0.00	0.00	
15,500.0	89.56	359.93	9,642.1	6,167.5	612.4	6,192.5	0.00	0.00	0.00	
15,600.0	89.56	359.93	9,642.9	6,267.5	612.3	6,292.4	0.00	0.00	0.00	
15,700.0	89.56	359.93	9,643.7	6,367.5	612.2	6,392.2	0.00	0.00	0.00	
15,800.0	89.56	359.93	9,644.5	6,467.5	612.1	6,492.0	0.00	0.00	0.00	
15,900.0	89.56	359.93	9,645.2	6,567.5	612.0	6,591.8	0.00	0.00	0.00	
16,000.0	89.56	359.93	9,646.0	6,667.5	611.8	6,691.7	0.00	0.00	0.00	
16,100.0	89.56	359.93	9,646.8	6,767.5	611.7	6,791.5	0.00	0.00	0.00	
16,200.0	89.56	359.93	9,647.5	6,867.5	611.6	6,891.3	0.00	0.00	0.00	
16,300.0	89.56	359.93	9,648.3	6,967.5	611.5	6,991.1	0.00	0.00	0.00	
16,400.0	89.56	359.93	9,649.1	7,067.5	611.4	7,091.0	0.00	0.00	0.00	
16,500.0	89.56	359.93	9,649.9	7,167.5	611.3	7,190.8	0.00	0.00	0.00	
16,600.0	89.56	359.93	9,650.6	7,267.5	611.1	7,290.6	0.00	0.00	0.00	
16,700.0	89.56	359.93	9,651.4	7,367.5	611.0	7,390.4	0.00	0.00	0.00	
16,800.0	89.56	359.93	9,652.2	7,467.5	610.9	7,490.3	0.00	0.00	0.00	
16,900.0	89.56	359.93	9,653.0	7,567.5	610.8	7,590.1	0.00	0.00	0.00	
17,000.0	89.56	359.93	9,653.7	7,667.5	610.7	7,689.9	0.00	0.00	0.00	
17,100.0	89.56	359.93	9,654.5	7,767.5	610.6	7,789.7	0.00	0.00	0.00	
17,200.0	89.56	359.93	9,655.3	7,867.5	610.4	7,889.6	0.00	0.00	0.00	
17,300.0	89.56	359.93	9,656.1	7,967.5	610.3	7,989.4	0.00	0.00	0.00	
17,400.0	89.56	359.93	9,656.8	8,067.5	610.2	8,089.2	0.00	0.00	0.00	
17,500.0	89.56	359.93	9,657.6	8,167.5	610.1	8,189.0	0.00	0.00	0.00	
17,600.0	89.56	359.93	9,658.4	8,267.5	610.0	8,288.9	0.00	0.00	0.00	
17,700.0	89.56	359.93	9,659.2	8,367.5	609.8	8,388.7	0.00	0.00	0.00	
17,800.0	89.56	359.93	9,659.9	8,467.5	609.7	8,488.5	0.00	0.00	0.00	
17,900.0	89.56	359.93	9,660.7	8,567.5	609.6	8,588.3	0.00	0.00	0.00	
18,000.0	89.56	359.93	9,661.5	8,667.5	609.5	8,688.2	0.00	0.00	0.00	
18,100.0	89.56	359.93	9,662.2	8,767.4	609.4	8,788.0	0.00	0.00	0.00	
18,200.0	89.56	359.93	9,663.0	8,867.4	609.3	8,887.8	0.00	0.00	0.00	
18,300.0	89.56	359.93	9,663.8	8,967.4	609.1	8,987.6	0.00	0.00	0.00	
18,400.0	89.56	359.93	9,664.6	9,067.4	609.0	9,087.5	0.00	0.00	0.00	
18,500.0	89.56	359.93	9,665.3	9,167.4	608.9	9,187.3	0.00	0.00	0.00	
18,600.0	89.56	359.93	9,666.1	9,267.4	608.8	9,287.1	0.00	0.00	0.00	
18,700.0	89.56	359.93	9,666.9	9,367.4	608.7	9,386.9	0.00	0.00	0.00	
18,800.0	89.56	359.93	9,667.7	9,467.4	608.6	9,486.8	0.00	0.00	0.00	
18,900.0	89.56	359.93	9,668.4	9,567.4	608.4	9,586.6	0.00	0.00	0.00	

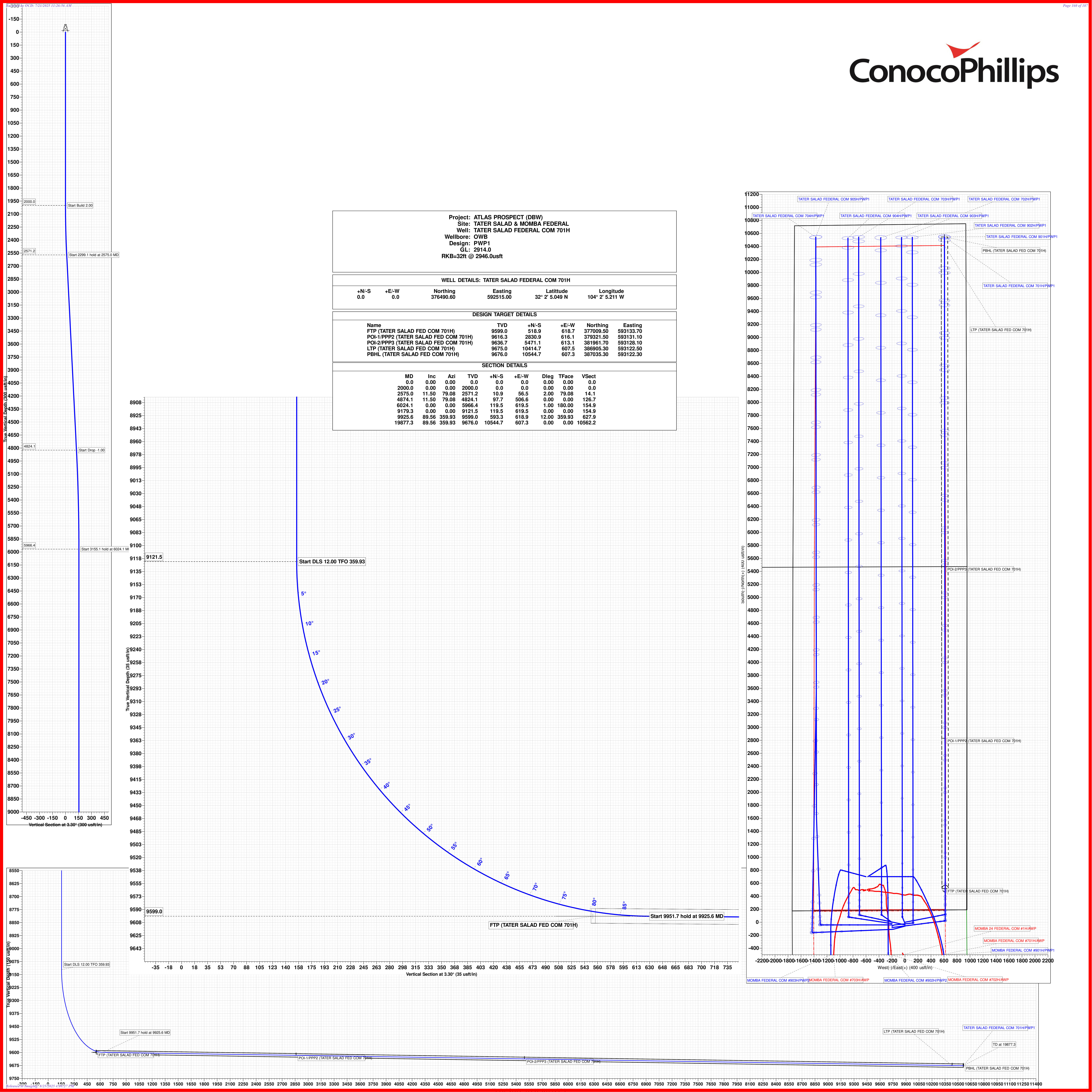
ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 701H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.0usft
Project:	ATLAS PROSPECT (DBW)	MD Reference:	RKB=32ft @ 2946.0usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 701H	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	89.56	359.93	9,669.2	9,667.4	608.3	9,686.4	0.00	0.00	0.00	
19,100.0	89.56	359.93	9,670.0	9,767.4	608.2	9,786.2	0.00	0.00	0.00	
19,200.0	89.56	359.93	9,670.8	9,867.4	608.1	9,886.1	0.00	0.00	0.00	
19,300.0	89.56	359.93	9,671.5	9,967.4	608.0	9,985.9	0.00	0.00	0.00	
19,400.0	89.56	359.93	9,672.3	10,067.4	607.9	10,085.7	0.00	0.00	0.00	
19,500.0	89.56	359.93	9,673.1	10,167.4	607.7	10,185.5	0.00	0.00	0.00	
19,600.0	89.56	359.93	9,673.9	10,267.4	607.6	10,285.4	0.00	0.00	0.00	
19,700.0	89.56	359.93	9,674.6	10,367.4	607.5	10,385.2	0.00	0.00	0.00	
19,800.0	89.56	359.93	9,675.4	10,467.4	607.4	10,485.0	0.00	0.00	0.00	
19,877.3	89.56	359.93	9,676.0	10,544.7	607.3	10,562.2	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
FTP (TATER SALAD FE	0.00	0.00	9,599.0	518.9	618.7	377,009.50	593,133.70	32° 2' 10.167 N	104° 1' 58.006 W	
- plan misses target center by 6.3usft at 9851.7usft MD (9592.7 TVD, 519.8 N, 619.0 E)										
- Circle (radius 50.0)										
POI-1/PPP2 (TATER SA	0.00	0.00	9,616.3	2,830.9	616.1	379,321.50	593,131.10	32° 2' 33.048 N	104° 1' 57.962 W	
- plan misses target center by 0.2usft at 12163.3usft MD (9616.3 TVD, 2830.9 N, 616.3 E)										
- Point										
POI-2/PPP3 (TATER SA	0.00	0.00	9,636.7	5,471.1	613.1	381,961.70	593,128.10	32° 2' 59.177 N	104° 1' 57.911 W	
- plan misses target center by 0.1usft at 14803.6usft MD (9636.7 TVD, 5471.1 N, 613.2 E)										
- Point										
LTP (TATER SALAD FEI	0.00	0.00	9,675.0	10,414.7	607.5	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	-0.44	179.93	9,676.0	10,544.7	607.3	387,035.30	593,122.30	32° 3' 49.388 N	104° 1' 57.814 W	
- plan hits target center										
- Rectangle (sides W100.0 H10,025.5 D20.0)										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.0	2,000.0	0.0	0.0	Start Build 2.00	
2,575.0	2,571.2	10.9	56.5	Start 2299.1 hold at 2575.0 MD	
4,874.1	4,824.1	97.7	506.6	Start Drop -1.00	
6,024.1	5,966.4	119.5	619.5	Start 3155.1 hold at 6024.1 MD	
9,179.3	9,121.5	119.5	619.5	Start DLS 12.00 TFO 359.93	
9,925.6	9,599.0	593.3	618.9	Start 9951.7 hold at 9925.6 MD	
19,877.3	9,676.0	10,544.7	607.3	TD at 19877.3	



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 701H
LOCATION:	Section 24, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

Primary Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **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

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

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 6/3/2025

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 (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S 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 H₂S 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. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S 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 H₂S 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

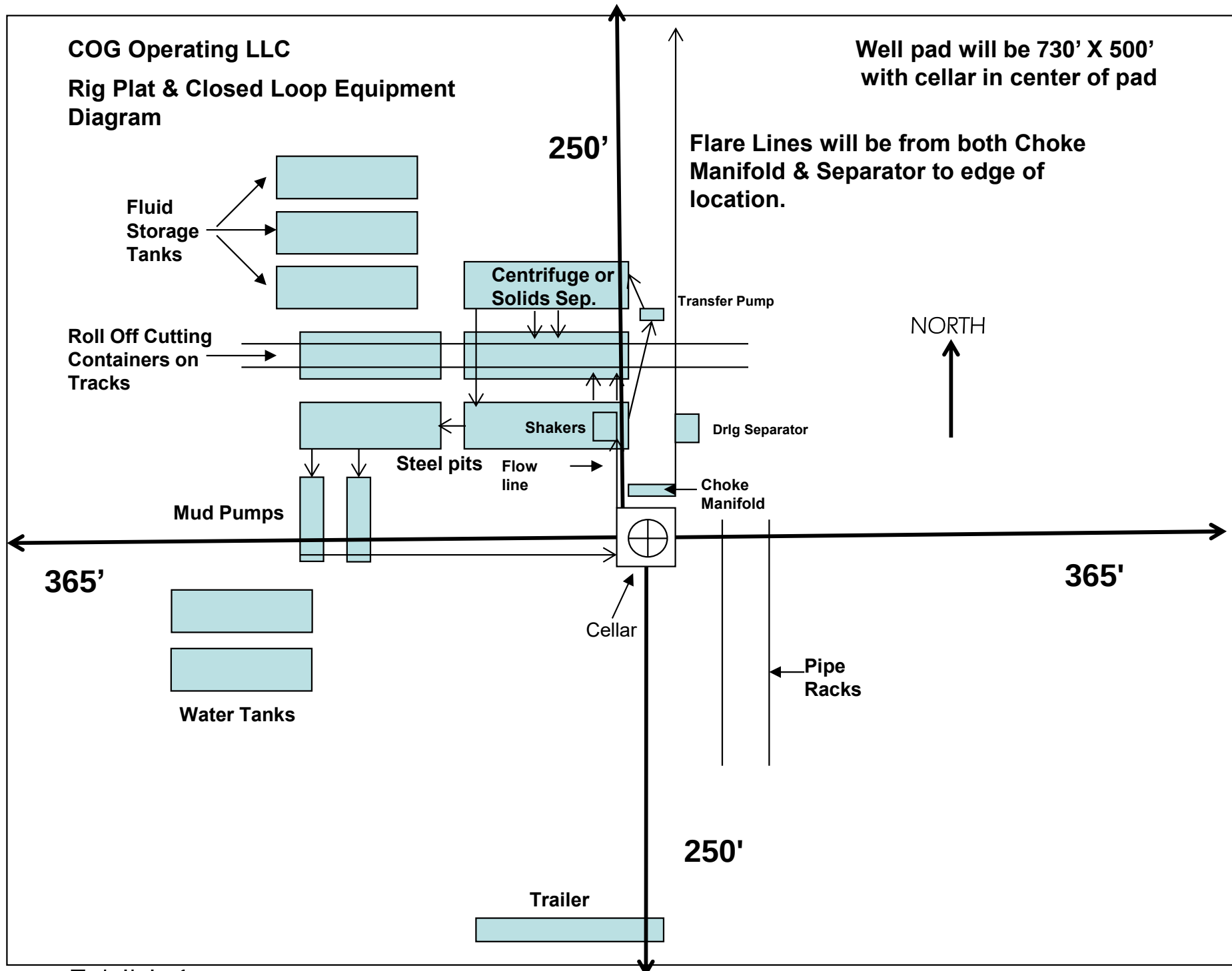


Exhibit 1

"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 701H

1. Geologic Formations

TVD of target	9,630' EOL	Pilot hole depth	NA
MD at TD:	19,908'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	466	Water	
Top of Salt	596	Salt	
Base of Salt	2470	Salt	
Lamar	2668	Salt Water	
Bell Canyon	2713	Salt Water	
Cherry Canyon	3554	Oil/Gas	
Brushy Canyon	4815	Oil/Gas	
Bone Spring	6381	Oil/Gas	
1st Bone Spring Sand	7287	Oil/Gas	
2nd Bone Spring Sand	8009	Oil/Gas	
3rd Bone Spring Sand	9147	Oil/Gas	
Wolfcamp	9499	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	450	10.75"	45.5	J55	BTC	10.15	1.14	34.92	38.88
9.875"	0	7500	7.625"	29.7	L80-ICY	BTC	1.51	1.26	3.26	3.29
8.750"	7500	9100	7.625"	29.7	P110-ICY	W513	1.56	1.91	3.95	2.37
6.75"	0	8900	5.5"	23	P110-CY	BTC	2.33	2.71	3.56	3.56
6.75"	8900	19,908	5.5"	23	P110-CY	W441	2.15	2.51	3.29	2.99
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

2b. Contingency Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	450	13.375"	54.5	J55	BTC	5.49	2.53	34.78	37.06
12.25"	0	2570	9.625"	40	L80-IC	BTC	2.90	1.61	8.91	9.21
8.75"	2370	9100	7.625"	29.7	P110-ICY	W513	1.56	1.91	3.95	2.37
6.75"	0	8900	5.5"	23	P110-CY	BTC	2.33	2.71	3.56	3.56
6.75"	8900	19,908	5.5"	23	P110-CY	W441	2.15	2.51	3.29	2.99
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

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

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

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

March 19, 2025

1

ConocoPhillips Company - TATER SALAD FED COM 701H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

ConocoPhillips Company - TATER SALAD FED COM 701H

3. Cementing Program

Casing	# Skis	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	220	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	700	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	560	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	8,600'	20% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Skis	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	270	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Int. #1	300	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl ₂
Inter. #2 (Liner)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	500	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
2 nd Intermediate	2,370'	20%
Production	8,850'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - TATER SALAD FED COM 701H

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 701H

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 701H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	6765 psi at 9630' TVD
Abnormal Temperature	NO 155 Deg. F.

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

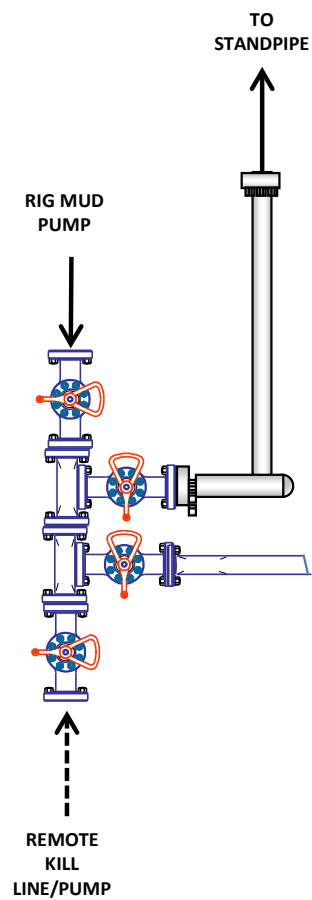
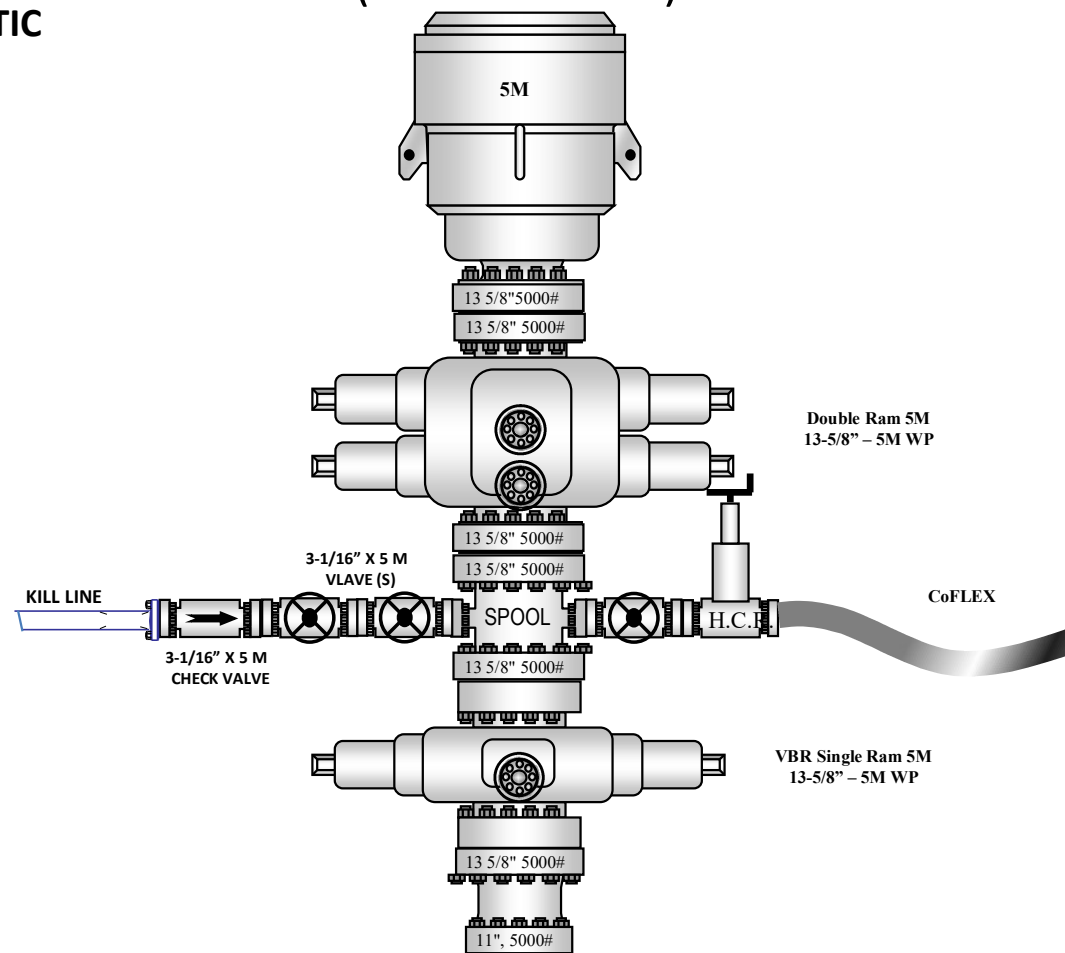
Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

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

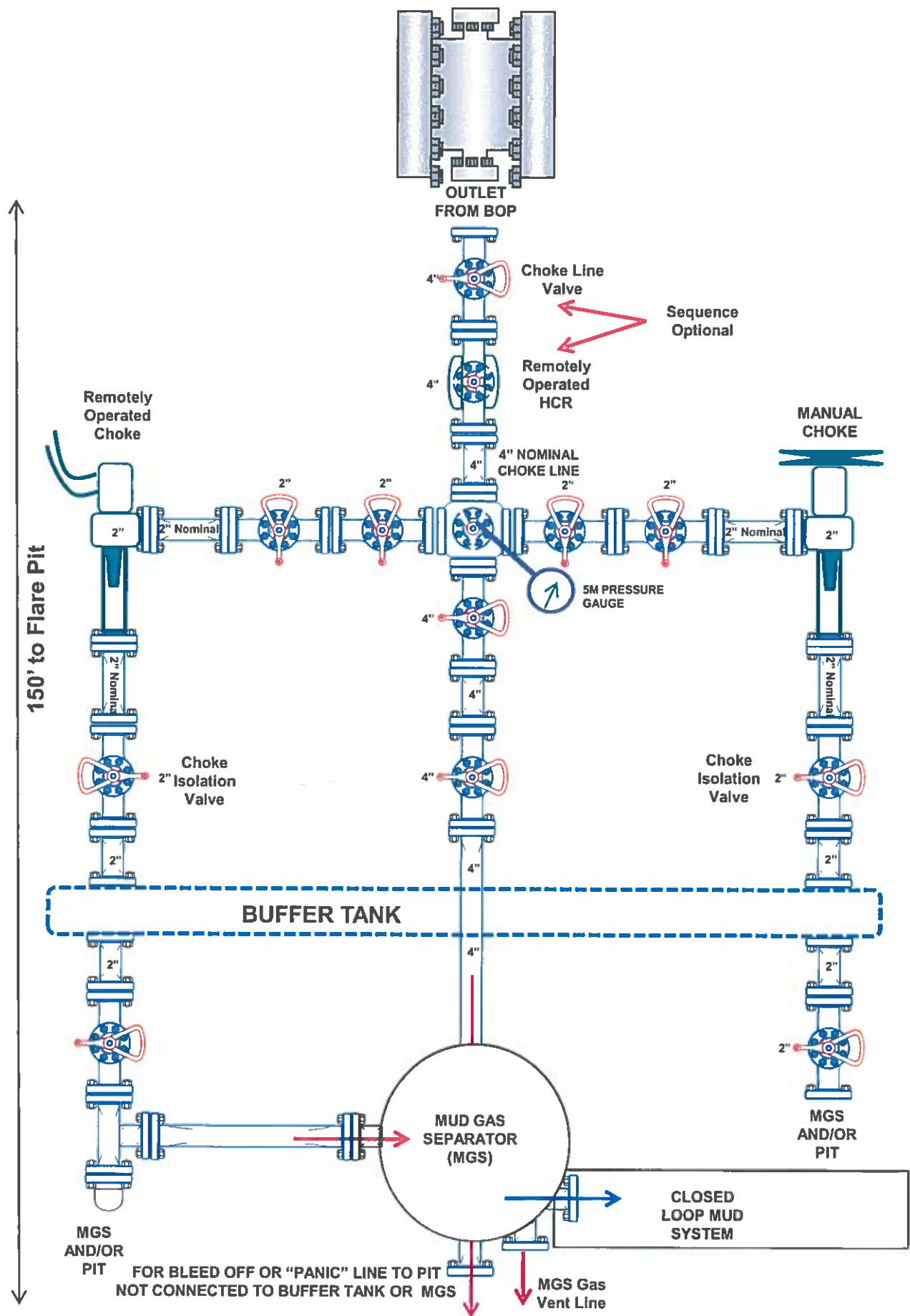
8. Other Facets of Operation

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

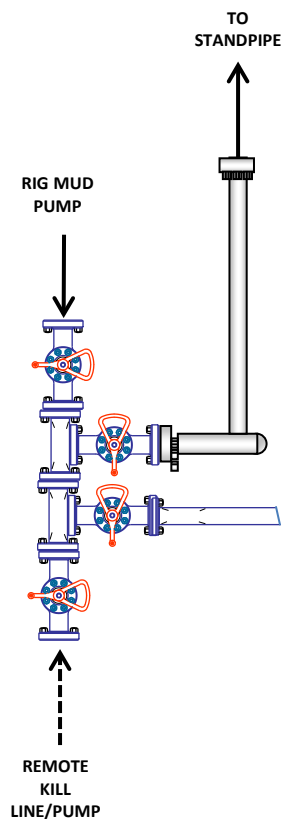
x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

5M BOP Stack**10M REMOTE KILL SCHEMATIC****5M BOP Stack
(2.5M Annular)**

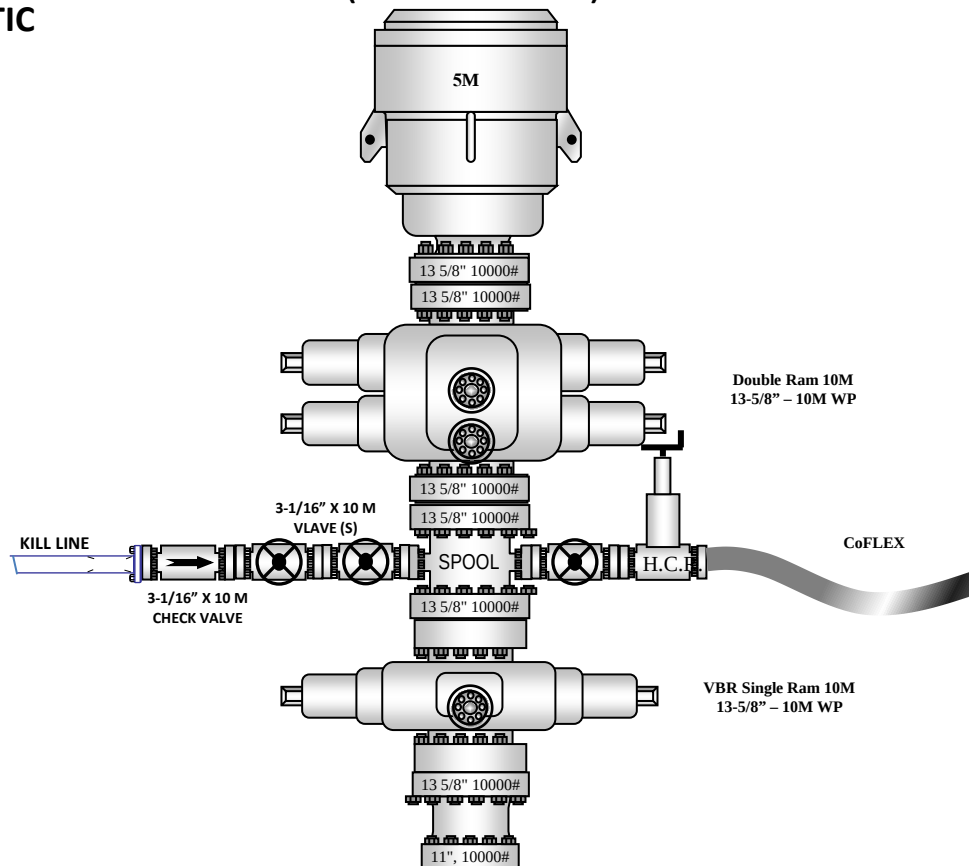
5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)



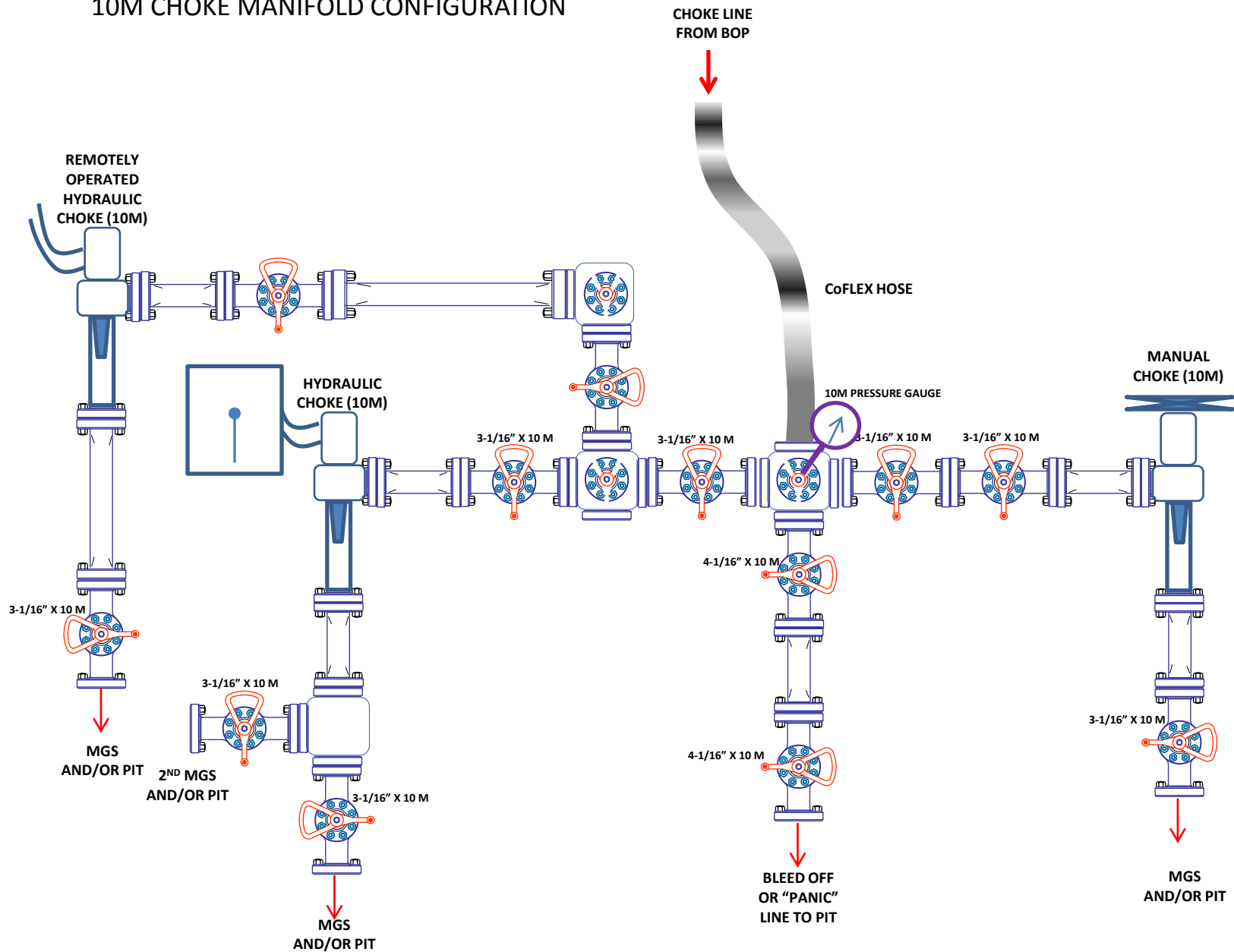
10M REMOTE KILL SCHEMATIC



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

Action 487064

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 487064
	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/oed/contact-us>

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

CONDITIONS

Action 487064

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 487064
	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.	8/25/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/25/2025
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.	8/25/2025
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.	8/25/2025