

Form 3160-3
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 20215. Lease Serial No.
NMNM120895

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.
Cabo Wabo Federal Com 802H

9. API Well No.

10. Field and Pool, or Exploratory
Purple Sage; Wolfcamp (Gas)11. Sec., T. R. M. or Blk. and Survey or Area
SEC 24/T25S/R29E/NMP12. County or Parish
Eddy13. State
NM1a. Type of work: ☒ DRILL ☐ REENTER
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other
1c. Type of Completion: ☐ Hydraulic Fracturing ☒ Single Zone ☐ Multiple Zone2. Name of Operator
COG Production LLC3a. Address
2208 West Main Street, Artesia, NM 882103b. Phone No. (include area code)
(432) 253-96854. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface NENE / 210 FNL / 1080 FEL / LAT 32.12222757 / LONG -103.93287443
At proposed prod. zone SWSE / 200 FSL / 2066 FEL / LAT 32.0941302 / LONG -103.9359655914. Distance in miles and direction from nearest town or post office*
23 miles15. Distance from proposed* location to nearest property or lease line, ft.
(Also to nearest drig. unit line, if any)
330 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well
640.0018. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
870 feet19. Proposed Depth
10,530 TVD
20,522 MD20. BLM/BIA Bond No. in file
FED: NMB00021521. Elevations (Show whether DF, KDB, RT, GL, etc.)
3148 feet22. Approximate date work will start*
08/01/202223. Estimated duration
30 days

24. Attachments

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

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

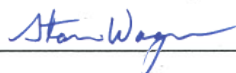
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

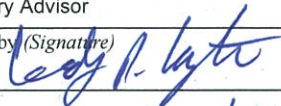
5. Operator certification.

6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature

Name (Printed/Typed)
Stan WagnerDate
07/05/2022Title
Regulatory Advisor

Approved by (Signature)



Name (Printed/Typed)

Cody R. Lantieri

Date
07/07/2022Title
Assistant Field Manager

Office

CFO

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)

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM120895

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator COG PRODUCTION LLC

3a. Address 2208 West Main Street, Artesia, NM 88210

3b. Phone No. (include area code)
(575) 748-69404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 24/T25S/R29E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. CABO WABO FEDERAL COM/802H

9. API Well No. 3001547756

10. Field and Pool or Exploratory Area
PURPLE SAGE/WOLFCAMP GAS11. Country or Parish, State
EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

COG Production requests that the well number for Cabo Wabo Federal Com 802H (30-015-47756) be changed to 802Y.

While drilling this well we ran into issues with lost returns and the decision was made to P&A . 802Y was P&A 6/21/22.

COG Production requests permission to skid the surface location and redrill as below:

Cabo Wabo Federal Com 802H replacement well

New SHL: 210 ft FNL & 1080 ft FEL, NENE 24-25S-29E Eddy Co.

New FTP: 330 ft FNL & 2066 ft FEL, 24-25S-29E

New LTP: 330 ft FSL & 2066 ft FEL, 25-25S-29E

New BHL: 200 ft FSL & 2066 ft FEL, 25-25S-29E

Please see attached revised C-102, drill and directional plan, & required APD attachments.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

STAN WAGNER / Ph: (432) 253-9685

Regulatory Advisor
Title

Signature

Date

07/07/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

CODY LAYTON / Ph: (575) 234-5959 / Approved

Assistant Field Manager Lands & I
Title

07/07/2022

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office CARLSBAD

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.

(Instructions on page 2)

Additional Information

Location of Well

O. SHL: NENE / 210 FNL / 1170 FEL / TWSP: 25S / RANGE: 29E / SECTION: 24 / LAT: 32.1222263 / LONG: -103.9331651 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 330 FNL / 1310 FEL / TWSP: 25S / RANGE: 29E / SECTION: 24 / LAT: 32.1218944 / LONG: -103.9336162 (TVD: 11467 feet, MD: 11590 feet)

BHL: SESW / 200 FSL / 2066 FEL / TWSP: 25S / RANGE: 29E / SECTION: 25 / LAT: 32.0941358 / LONG: -103.9335243 (TVD: 11471 feet, MD: 21659 feet)

CONFIDENTIAL

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp
4 Property Code 329794	5 Property Name CABO WABO FEDERAL COM	6 Well Number 802H
7 OGRID No. 217955	8 Operator Name COG PRODUCTION LLC	9 Elevation 3148'

¹⁰ Surface Location

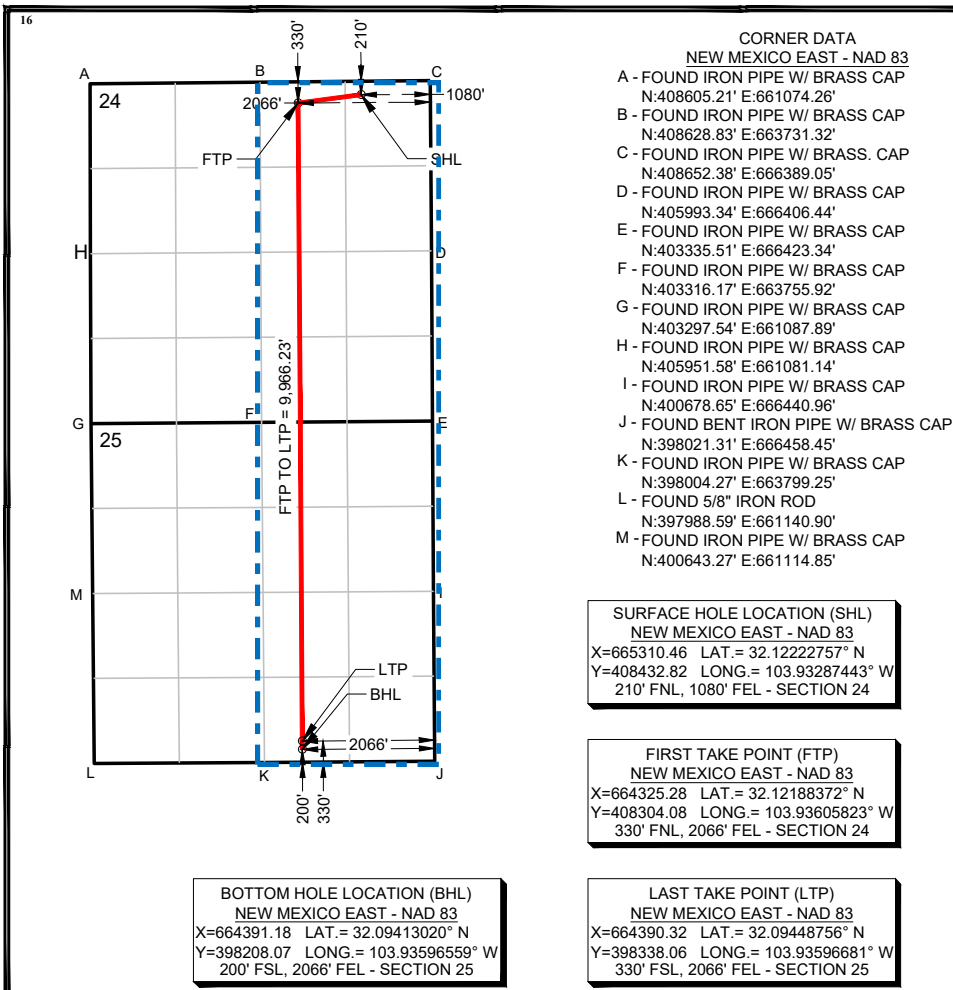
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	25-S	29-E		210'	NORTH	1080'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	25	25-S	29-E		200'	SOUTH	2066'	EAST	EDDY

12 Dedicated Acres 640	13 Joint or Infill	14 Consolidation Code Com	15 Order No.
----------------------------------	---------------------------	-------------------------------------	---------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**17 OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 7/5/22
Signature Date

Stan Wagner
Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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.

07/01/2022
Date of Survey

Signature and Seal of Professional Surveyor:

Charles L. Jurica
25490
PROFESSIONAL SURVEYOR
Certificate Number

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 Production LLC

OGRID: 217955

Date: 07/11/2022

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
Cabo Wabo Fed Com 802H	30-015	A-24-25S-29E	210 FNL & 1080 FEL	± 1160	± 4675	± 4493
Cabo Wabo Fed Com 803H	30-015-	A-24-25S-29E	210 FNL & 1110 FEL	± 1160	± 4675	± 4493

IV. Central Delivery Point Name: Cabo Wabo Fed Com 24 B CTB NWNE/4 24-25S-29E [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
Cabo Wabo Fed Com	Pending	± 8/23/22	± 25 days from spud	± 11/01/22	± 02/01/23	± 02/01/23
802H, 803H						

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

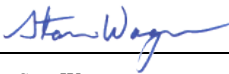
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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.

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: 
Printed Name: Stan Wagner
Title: Regulatory Advisor
E-mail Address: stan.s.wagner@conocophillips.com
Date: 07/11/2022
Phone: 432-253-9685
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

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

Conocophillips Company - Cabo Wabo Federal Com #802H

1. Geologic Formations

TVD of target	10,530' EOL	Pilot hole depth	NA
MD at TD:	20,522'	Deepest expected fresh water:	50'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	516	Water	
Top of Salt	920	Salt	
Base of Salt	3170	Salt	
Lamar	3382	Salt Water	
Bell Canyon	3428	Salt Water	
Cherry Canyon	4320	Oil/Gas	
Brushy Canyon	5544	Oil/Gas	
Bone Spring Lime	7207	Oil/Gas	
1st Bone Spring Sand	8172	Oil/Gas	
2nd Bone Spring Sand	8783	Oil/Gas	
3rd Bone Spring Sand	10107	Oil/Gas	
Wolfcamp A	10448	Target	
Wolfcamp B	10908	Not Penetrated	

2. 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	900	13.38"	54.5	J55	BTC	2.74	8.24	17.39	18.53
9.875"	0	8500	7.625"	29.7	L80 IC	BTC	1.48	1.25	2.71	2.71
8.750"	8500	10150	7.625"	29.7	P110 IC	W513	1.55	1.77	3.12	1.87
6.75"	0	9650	5.5"	20	P110	BTC	1.84	2.50	3.32	3.32
6.75"	9650	20,522	5.5"	20	P110	W441	1.87	2.60	3.46	2.82
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 Onshore Oil and Gas Order #2 III.B.1.h

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

Conocophillips Company - Cabo Wabo Federal Com #802H

	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 - Cabo Wabo Federal Com #802H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	536	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
Inter. Stage 1	780	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	448	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1025	14.4	1.24	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	9,650'	35% OH in Lateral (KOP to EOL)

Conocophillips Company - Cabo Wabo Federal Com #802H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
---	---

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

BOP and BOPE will be installed per Onshore Order #2 requirements prior to drilling below the surface casing and will be rated to the above pressure rating or greater, see attached diagrams. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 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 valves (inside BOP and full-opening valve) with appropriate wrenches and choke

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 Onshore Oil and Gas Order #2 III.B.1.i.
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 Onshore Order #2 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 - Cabo Wabo Federal Com #802H

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 - 9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12	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
---	-----------------------------

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 - Cabo Wabo Federal Com #802H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	6575 psi at 10530' TVD
Abnormal Temperature	NO 160 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 Onshore Oil and Gas Order #6. 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

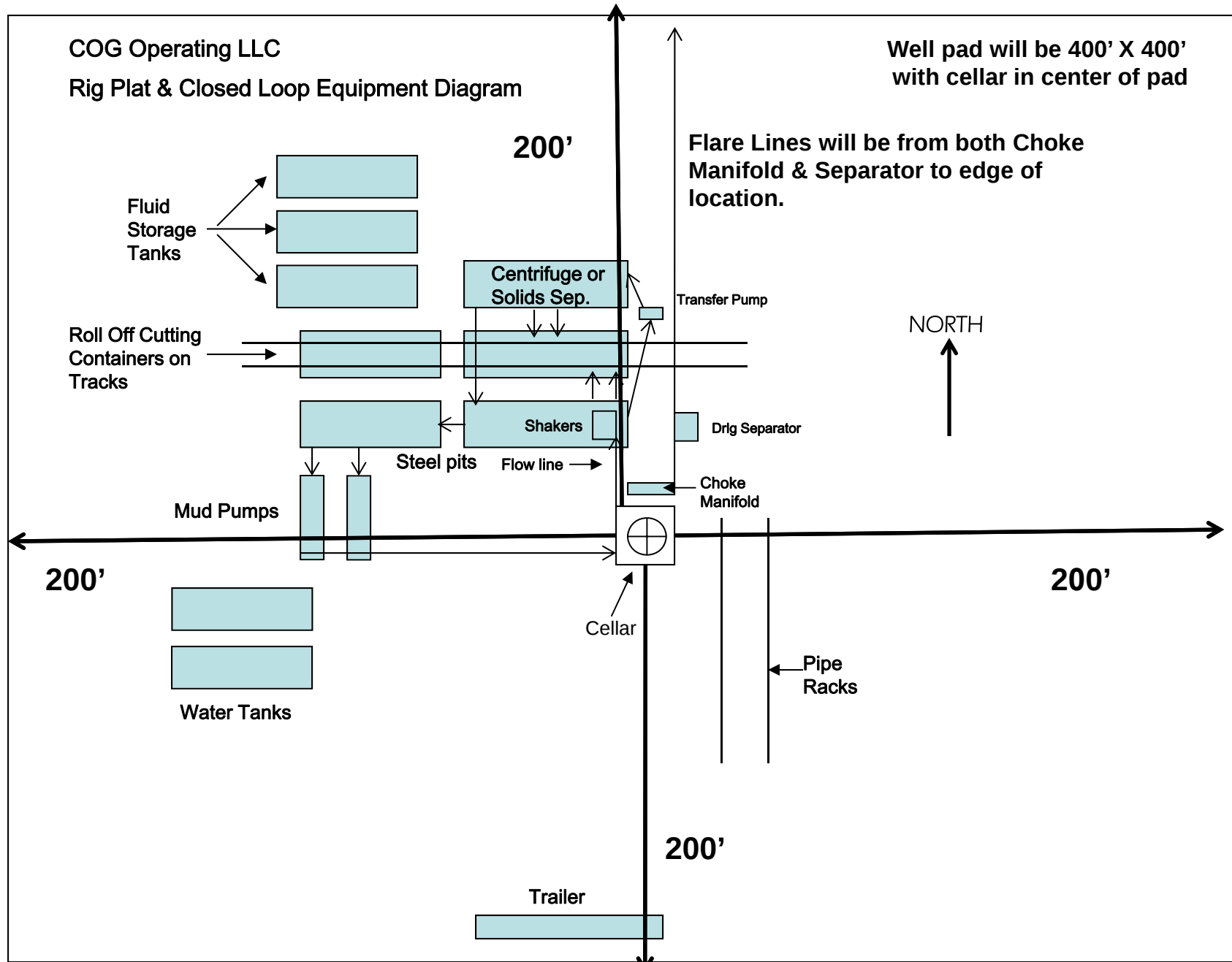


Exhibit 1

"I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

CABO WABO FEDERAL PROJECT (ATLAS 2529)

CABO WABO FEDERAL COM #802H

OWB

PWP0

Anticollision Report

05 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 95.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	7/5/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	2,000.0	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
2,000.0	10,153.2	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
10,153.2	20,522.7	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

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						
CABO WABO FEDERAL PROJECT (ATLAS 2529)						
CABO WABO 25 FEDERAL COM #3H - OWB-LAT 1 - A	8,121.6	17,420.0	290.9	106.9	1.581	Advise and Monitor, CC, ES,
CABO WABO 25 FEDERAL COM #3H - OWB-PH - AWP	20,255.3	10,400.0	381.7	290.5	4.188	CC, ES, SF
CABO WABO FEDERAL COM #501H - OWB - PWP1	2,000.0	1,994.0	219.4	211.7	28.589	CC, ES
CABO WABO FEDERAL COM #501H - OWB - PWP1	3,300.0	3,287.6	235.5	223.0	18.771	SF
CABO WABO FEDERAL COM #502H - OWB - PWP1	4,595.9	4,572.6	159.6	141.9	9.029	CC
CABO WABO FEDERAL COM #502H - OWB - PWP1	4,655.0	4,631.2	159.8	141.9	8.922	ES
CABO WABO FEDERAL COM #502H - OWB - PWP1	4,900.0	4,874.1	164.6	145.8	8.748	SF
CABO WABO FEDERAL COM #503H - OWB - PWP1						Out of range
CABO WABO FEDERAL COM #504H - OWB - PWP1						Out of range
CABO WABO FEDERAL COM #701H - OWB - PWP3	2,000.0	1,992.0	199.9	189.1	18.462	CC, ES
CABO WABO FEDERAL COM #701H - OWB - PWP3	2,600.0	2,584.7	215.8	202.4	16.038	SF
CABO WABO FEDERAL COM #702H - OWB - PWP4	2,000.0	1,993.0	170.0	163.4	25.837	CC, ES
CABO WABO FEDERAL COM #702H - OWB - PWP4	2,600.0	2,589.5	185.7	178.2	24.854	SF
CABO WABO FEDERAL COM #703H - OWB - PWP4	2,000.0	1,991.0	140.0	133.5	21.288	CC, ES
CABO WABO FEDERAL COM #703H - OWB - PWP4	20,522.7	20,713.7	824.4	650.5	4.742	SF
CABO WABO FEDERAL COM #704H - OWB - PWP4	10,636.6	10,846.5	844.0	802.1	20.150	CC
CABO WABO FEDERAL COM #704H - OWB - PWP4	20,522.7	20,718.4	862.5	688.6	4.959	ES, SF
CABO WABO FEDERAL COM #705H - OWB - PWP3						Out of range
CABO WABO FEDERAL COM #706H - OWB - PWP4						Out of range
CABO WABO FEDERAL COM #801H - OWB - AWP	2,941.6	2,934.4	51.2	35.4	3.245	CC
CABO WABO FEDERAL COM #801H - OWB - AWP	2,945.0	2,937.7	51.2	35.4	3.240	ES
CABO WABO FEDERAL COM #801H - OWB - AWP	3,000.0	2,991.7	51.8	35.6	3.202	SF
CABO WABO FEDERAL COM #801H - ST01 - AWP	2,959.5	2,952.1	51.9	41.2	4.862	CC, ES
CABO WABO FEDERAL COM #801H - ST01 - AWP	20,425.0	20,707.3	434.5	270.1	2.643	SF
CABO WABO FEDERAL COM #802H - OWB - AWP	0.0	0.0	90.1			
CABO WABO FEDERAL COM #803H - OWB - AWP	988.8	986.0	117.5	111.1	18.417	CC
CABO WABO FEDERAL COM #803H - OWB - AWP	1,000.0	997.0	117.5	111.1	18.317	ES
CABO WABO FEDERAL COM #803H - OWB - AWP	1,330.0	1,324.9	122.3	115.1	16.945	SF
CABO WABO FEDERAL COM #803Y - OWB - PWP0	2,559.9	2,559.0	30.0	22.3	3.919	CC
CABO WABO FEDERAL COM #803Y - OWB - PWP0	3,144.0	3,137.9	31.5	19.4	2.607	ES
CABO WABO FEDERAL COM #803Y - OWB - PWP0	7,648.7	7,642.1	85.4	40.2	1.889	Advise and Monitor, SF
CABO WABO FEDERAL COM #804H - OWB - AWP						Out of range

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	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						
CABO WABO FEDERAL PROJECT (ATLAS 2529)						
CABO WABO FEDERAL COM #804H - OWB - PHX3						Out of range
CABO WABO FEDERAL COM #805H - OWB - PWP2						Out of range

TD 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						
CABO WABO FEDERAL PROJECT (ATLAS 2529)						
CABO WABO 25 FEDERAL COM #3H - OWB-LAT 1 - A	20,522.7	8,062.0				Out of Range @TD
CABO WABO 25 FEDERAL COM #3H - OWB-PH - AWP	20,522.7	10,400.0	466.0	386.9	5.887	
CABO WABO FEDERAL COM #501H - OWB - PWP1	20,522.7	19,063.0				Out of Range @TD
CABO WABO FEDERAL COM #502H - OWB - PWP1	20,522.7	19,070.5				Out of Range @TD
CABO WABO FEDERAL COM #503H - OWB - PWP1	20,522.7	19,034.6				Out of Range @TD
CABO WABO FEDERAL COM #504H - OWB - PWP1	20,522.7	19,032.6				Out of Range @TD
CABO WABO FEDERAL COM #701H - OWB - PWP3	20,522.7	20,757.5				Out of Range @TD
CABO WABO FEDERAL COM #702H - OWB - PWP4	20,522.7	20,931.7				Out of Range @TD
CABO WABO FEDERAL COM #703H - OWB - PWP4	20,522.7	20,713.7	824.4	650.5	4.742	SF
CABO WABO FEDERAL COM #704H - OWB - PWP4	20,522.7	20,718.4	862.5	688.6	4.959	ES, SF
CABO WABO FEDERAL COM #705H - OWB - PWP3	20,522.7	20,756.1				Out of Range @TD
CABO WABO FEDERAL COM #706H - OWB - PWP4	20,522.7	20,673.2				Out of Range @TD
CABO WABO FEDERAL COM #801H - OWB - AWP	20,522.7	10,169.0				Out of Range @TD
CABO WABO FEDERAL COM #801H - ST01 - AWP	20,522.7	20,769.0	438.2	273.9	2.666	
CABO WABO FEDERAL COM #802H - OWB - AWP	20,522.7	682.0				Out of Range @TD
CABO WABO FEDERAL COM #803H - OWB - AWP	20,522.7	1,336.0				Out of Range @TD
CABO WABO FEDERAL COM #803Y - OWB - PWP0	20,522.7	20,731.5	445.7	279.1	2.675	
CABO WABO FEDERAL COM #804H - OWB - AWP	20,522.7	10,075.0				Out of Range @TD
CABO WABO FEDERAL COM #804H - OWB - PHX3	20,522.7	20,846.4				Out of Range @TD
CABO WABO FEDERAL COM #805H - OWB - PWP2	20,522.7	20,708.5				Out of Range @TD

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO 25 FEDERAL COM #3H - OWB-LAT 1 - AWP											Offset Site Error:	3.0 usft
Survey Program: 25-VESSI_INFLEX_GYRO, 7336-MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
7,200.0	7,112.2	17,420.0	7,944.9	21.0	161.1	-165.43	-156.8	-723.9	932.0	839.1	92.86	10.037
7,220.0	7,131.8	17,420.0	7,944.9	21.1	161.1	-165.43	-156.8	-723.9	913.3	820.0	93.25	9.794
7,300.0	7,210.2	17,420.0	7,944.9	21.4	161.1	-165.43	-156.8	-723.9	839.0	743.8	95.15	8.818
7,315.0	7,224.9	17,420.0	7,944.9	21.4	161.1	-165.43	-156.8	-723.9	825.2	729.6	95.57	8.634
7,400.0	7,308.1	17,420.0	7,944.9	21.7	161.1	-165.43	-156.8	-723.9	747.8	649.3	98.45	7.595
7,410.0	7,317.9	17,420.0	7,944.9	21.8	161.1	-165.43	-156.8	-723.9	738.8	639.9	98.86	7.473
7,500.0	7,406.1	17,420.0	7,944.9	22.1	161.1	-165.43	-156.8	-723.9	659.1	555.8	103.30	6.381
7,505.0	7,411.0	17,420.0	7,944.9	22.1	161.1	-165.43	-156.8	-723.9	654.8	551.2	103.60	6.321
7,600.0	7,504.1	17,420.0	7,944.9	22.5	161.1	-165.43	-156.8	-723.9	574.2	463.8	110.44	5.200
7,648.7	7,551.8	17,420.0	7,944.9	22.7	161.1	-165.43	-156.8	-723.9	534.8	419.8	115.04	4.649
7,695.0	7,597.3	17,420.0	7,944.9	22.8	161.1	-165.13	-156.8	-723.9	498.6	378.4	120.20	4.148
7,700.0	7,602.2	17,420.0	7,944.9	22.8	161.1	-165.10	-156.8	-723.9	494.7	373.9	120.81	4.095
7,790.0	7,691.0	17,420.0	7,944.9	23.2	161.1	-164.59	-156.8	-723.9	428.7	295.3	133.38	3.214
7,800.0	7,700.8	17,420.0	7,944.9	23.2	161.1	-164.54	-156.8	-723.9	421.7	286.8	134.97	3.125
7,885.0	7,785.1	17,420.0	7,944.9	23.6	161.1	-164.16	-156.8	-723.9	367.6	217.6	150.04	2.450
7,900.0	7,800.0	17,420.0	7,944.9	23.6	161.1	-164.10	-156.8	-723.9	359.1	206.2	152.91	2.348
7,980.0	7,879.6	17,420.0	7,944.9	23.9	161.1	-163.86	-156.8	-723.9	320.5	152.3	168.17	1.906 Advise and Monitor
8,000.0	7,899.5	17,420.0	7,944.9	24.0	161.1	-163.82	-156.8	-723.9	313.0	141.3	171.68	1.823 Advise and Monitor
8,075.0	7,974.4	17,420.0	7,944.9	24.3	161.1	-163.71	-156.8	-723.9	294.3	112.6	181.63	1.620 Advise and Monitor
8,100.0	7,999.3	17,420.0	7,944.9	24.4	161.1	-163.69	-156.8	-723.9	291.6	108.3	183.33	1.591 Advise and Monitor
8,121.6	8,020.9	17,420.0	7,944.9	24.5	161.1	-163.69	-156.8	-723.9	290.9	106.9	184.00	1.581 Advise and Monitor, CC, ES, SF
8,170.0	8,069.3	17,420.0	7,944.9	24.7	161.1	-163.71	-156.8	-723.9	294.5	111.8	182.74	1.612 Advise and Monitor
8,200.0	8,099.3	17,420.0	7,944.9	24.8	161.1	-163.74	-156.8	-723.9	300.3	120.1	180.19	1.667 Advise and Monitor
8,223.7	8,123.0	17,420.0	7,944.9	24.9	161.1	95.51	-156.8	-723.9	306.7	129.3	177.36	1.729 Advise and Monitor
8,265.0	8,164.3	17,420.0	7,944.9	25.0	161.1	95.51	-156.8	-723.9	321.5	150.3	171.23	1.878 Advise and Monitor
8,300.0	8,199.3	17,420.0	7,944.9	25.1	161.1	95.51	-156.8	-723.9	337.5	172.2	165.34	2.041
8,360.0	8,259.3	17,420.0	7,944.9	25.3	161.1	95.51	-156.8	-723.9	371.1	216.2	154.97	2.395
8,400.0	8,299.3	17,420.0	7,944.9	25.4	161.1	95.51	-156.8	-723.9	397.0	248.6	148.41	2.675
8,455.0	8,354.3	17,420.0	7,944.9	25.6	161.1	95.51	-156.8	-723.9	436.1	295.8	140.30	3.108
8,500.0	8,399.3	17,420.0	7,944.9	25.7	161.1	95.51	-156.8	-723.9	470.4	335.9	134.54	3.497
8,550.0	8,449.3	17,420.0	7,944.9	25.9	161.1	95.51	-156.8	-723.9	510.5	381.5	129.03	3.957
8,600.0	8,499.3	17,420.0	7,944.9	26.0	161.1	95.51	-156.8	-723.9	552.3	427.9	124.38	4.440
8,645.0	8,544.3	17,420.0	7,944.9	26.1	161.1	95.51	-156.8	-723.9	590.9	470.1	120.84	4.890
8,700.0	8,599.3	17,420.0	7,944.9	26.3	161.1	95.51	-156.8	-723.9	639.3	522.1	117.20	5.455
8,740.0	8,639.3	17,420.0	7,944.9	26.4	161.1	95.51	-156.8	-723.9	675.1	560.1	114.96	5.873
8,800.0	8,699.3	17,420.0	7,944.9	26.6	161.1	95.51	-156.8	-723.9	729.6	617.5	112.12	6.507
8,835.0	8,734.3	17,420.0	7,944.9	26.7	161.1	95.51	-156.8	-723.9	761.8	651.1	110.72	6.881
8,900.0	8,799.3	17,420.0	7,944.9	26.9	161.1	95.51	-156.8	-723.9	822.2	713.7	108.50	7.578
8,930.0	8,829.3	17,420.0	7,944.9	27.0	161.1	95.51	-156.8	-723.9	850.3	742.7	107.63	7.900
9,000.0	8,899.3	17,420.0	7,944.9	27.2	161.1	95.51	-156.8	-723.9	916.4	810.5	105.89	8.654
9,025.0	8,924.3	17,420.0	7,944.9	27.3	161.1	95.51	-156.8	-723.9	940.1	834.7	105.36	8.923

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO 25 FEDERAL COM #3H - OWB-PH - AWP											Offset Site Error:	3.0 usft
Survey Program: 25-VESI_INFLEX_GYRO											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum Separation	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)		
19,380.0	10,530.0	10,400.0	10,398.3	76.0	9.1	-83.12	-9,954.6	-542.4	954.9	899.3	55.61	17.172
19,400.0	10,530.0	10,400.0	10,398.3	76.1	9.1	-83.12	-9,954.6	-542.4	936.6	880.6	55.99	16.726
19,475.0	10,530.0	10,400.0	10,398.3	76.6	9.1	-83.12	-9,954.6	-542.4	868.6	811.0	57.61	15.079
19,500.0	10,530.0	10,400.0	10,398.3	76.8	9.1	-83.12	-9,954.6	-542.4	846.2	788.0	58.21	14.538
19,570.0	10,530.0	10,400.0	10,398.3	77.3	9.1	-83.12	-9,954.6	-542.4	784.4	724.3	60.08	13.055
19,600.0	10,530.0	10,400.0	10,398.3	77.5	9.1	-83.12	-9,954.6	-542.4	758.3	697.3	60.98	12.435
19,665.0	10,530.0	10,400.0	10,398.3	78.0	9.1	-83.12	-9,954.6	-542.4	702.9	639.8	63.17	11.128
19,700.0	10,530.0	10,400.0	10,398.3	78.2	9.1	-83.12	-9,954.6	-542.4	673.8	609.3	64.49	10.448
19,760.0	10,530.0	10,400.0	10,398.3	78.6	9.1	-83.12	-9,954.6	-542.4	625.3	558.3	67.01	9.331
19,800.0	10,530.0	10,400.0	10,398.3	78.9	9.1	-83.12	-9,954.6	-542.4	594.1	525.2	68.89	8.624
19,855.0	10,530.0	10,400.0	10,398.3	79.3	9.1	-83.12	-9,954.6	-542.4	553.1	481.3	71.74	7.710
19,900.0	10,530.0	10,400.0	10,398.3	79.6	9.1	-83.12	-9,954.6	-542.4	521.4	447.2	74.28	7.020
19,950.0	10,530.0	10,400.0	10,398.3	80.0	9.1	-83.12	-9,954.6	-542.4	488.7	411.4	77.30	6.322
20,000.0	10,530.0	10,400.0	10,398.3	80.3	9.1	-83.12	-9,954.6	-542.4	459.2	378.7	80.45	5.707
20,045.0	10,530.0	10,400.0	10,398.3	80.7	9.1	-83.12	-9,954.6	-542.4	435.8	352.5	83.28	5.232
20,100.0	10,530.0	10,400.0	10,398.3	81.0	9.1	-83.12	-9,954.6	-542.4	412.0	325.5	86.50	4.764
20,140.0	10,530.0	10,400.0	10,398.3	81.3	9.1	-83.12	-9,954.6	-542.4	398.7	310.2	88.48	4.506
20,200.0	10,530.0	10,400.0	10,398.3	81.8	9.1	-83.12	-9,954.6	-542.4	385.6	295.1	90.54	4.260
20,235.0	10,530.0	10,400.0	10,398.3	82.0	9.1	-83.12	-9,954.6	-542.4	382.2	291.1	91.08	4.197
20,255.3	10,530.0	10,400.0	10,398.3	82.1	9.1	-83.12	-9,954.6	-542.4	381.7	290.5	91.14	4.188 CC, ES, SF
20,300.0	10,530.0	10,400.0	10,398.3	82.5	9.1	-83.12	-9,954.6	-542.4	384.3	293.6	90.63	4.240
20,330.0	10,530.0	10,400.0	10,398.3	82.7	9.1	-83.12	-9,954.6	-542.4	388.9	299.1	89.81	4.331
20,392.7	10,530.0	10,400.0	10,398.3	83.1	9.1	-83.12	-9,954.6	-542.4	405.7	318.6	87.08	4.659
20,400.0	10,530.0	10,400.0	10,398.3	83.2	9.1	-83.12	-9,954.6	-542.4	408.2	321.5	86.69	4.708
20,425.0	10,530.0	10,400.0	10,398.3	83.4	9.1	-83.12	-9,954.6	-542.4	417.7	332.4	85.28	4.898
20,500.0	10,530.0	10,400.0	10,398.3	83.9	9.1	-83.12	-9,954.6	-542.4	453.4	372.8	80.62	5.623
20,520.0	10,530.0	10,400.0	10,398.3	84.0	9.1	-83.12	-9,954.6	-542.4	464.5	385.1	79.34	5.854
20,522.7	10,530.0	10,400.0	10,398.3	84.0	9.1	-83.12	-9,954.6	-542.4	466.0	386.9	79.17	5.887

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #501H - OWB - PWP1													Offset Site Error: 3.0 usft	
Survey Program: Reference		0-Standard Keeper 104, 8512-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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-156.17	-200.7	-88.6	219.5					
95.0	95.0	89.0	89.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.00	36.563		
100.0	100.0	94.0	94.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.00	36.563		
190.0	190.0	184.0	184.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.01	36.521		
200.0	200.0	194.0	194.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.01	36.513		
285.0	285.0	279.0	279.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.02	36.421		
300.0	300.0	294.0	294.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.4	6.03	36.401		
380.0	380.0	374.0	374.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.3	6.05	36.268		
400.0	400.0	394.0	394.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.3	6.06	36.229		
475.0	475.0	469.0	469.0	3.0	3.0	-156.17	-200.7	-88.6	219.4	213.3	6.08	36.062		
500.0	500.0	494.0	494.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.3	6.09	36.000		
570.0	570.0	564.0	564.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.3	6.13	35.807		
600.0	600.0	594.0	594.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.3	6.14	35.717		
665.0	665.0	659.0	659.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.2	6.18	35.506		
700.0	700.0	694.0	694.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.2	6.20	35.384		
760.0	760.0	754.0	754.0	3.1	3.1	-156.17	-200.7	-88.6	219.4	213.2	6.24	35.162		
800.0	800.0	794.0	794.0	3.2	3.2	-156.17	-200.7	-88.6	219.4	213.1	6.27	35.005		
855.0	855.0	849.0	849.0	3.2	3.2	-156.17	-200.7	-88.6	219.4	213.1	6.31	34.779		
900.0	900.0	894.0	894.0	3.2	3.2	-156.17	-200.7	-88.6	219.4	213.1	6.34	34.585		
950.0	950.0	944.0	944.0	3.2	3.2	-156.17	-200.7	-88.6	219.4	213.0	6.38	34.362		
1,000.0	1,000.0	994.0	994.0	3.2	3.2	-156.17	-200.7	-88.6	219.4	213.0	6.43	34.130		
1,045.0	1,045.0	1,039.0	1,039.0	3.3	3.3	-156.17	-200.7	-88.6	219.4	212.9	6.47	33.914		
1,100.0	1,100.0	1,094.0	1,094.0	3.3	3.3	-156.17	-200.7	-88.6	219.4	212.9	6.52	33.643		
1,140.0	1,140.0	1,134.0	1,134.0	3.3	3.3	-156.17	-200.7	-88.6	219.4	212.8	6.56	33.440		
1,200.0	1,200.0	1,194.0	1,194.0	3.4	3.3	-156.17	-200.7	-88.6	219.4	212.8	6.62	33.130		
1,235.0	1,235.0	1,229.0	1,229.0	3.4	3.4	-156.17	-200.7	-88.6	219.4	212.7	6.66	32.945		
1,300.0	1,300.0	1,294.0	1,294.0	3.4	3.4	-156.17	-200.7	-88.6	219.4	212.7	6.73	32.595		
1,330.0	1,330.0	1,324.0	1,324.0	3.4	3.4	-156.17	-200.7	-88.6	219.4	212.6	6.77	32.431		
1,400.0	1,400.0	1,394.0	1,394.0	3.5	3.5	-156.17	-200.7	-88.6	219.4	212.6	6.85	32.044		
1,425.0	1,425.0	1,419.0	1,419.0	3.5	3.5	-156.17	-200.7	-88.6	219.4	212.5	6.88	31.904		
1,500.0	1,500.0	1,494.0	1,494.0	3.5	3.5	-156.17	-200.7	-88.6	219.4	212.4	6.97	31.480		
1,520.0	1,520.0	1,514.0	1,514.0	3.6	3.6	-156.17	-200.7	-88.6	219.4	212.4	6.99	31.366		
1,600.0	1,600.0	1,594.0	1,594.0	3.6	3.6	-156.17	-200.7	-88.6	219.4	212.3	7.10	30.907		
1,615.0	1,615.0	1,609.0	1,609.0	3.6	3.6	-156.17	-200.7	-88.6	219.4	212.3	7.12	30.820		
1,700.0	1,700.0	1,694.0	1,694.0	3.7	3.7	-156.17	-200.7	-88.6	219.4	212.2	7.23	30.328		
1,710.0	1,710.0	1,704.0	1,704.0	3.7	3.7	-156.17	-200.7	-88.6	219.4	212.2	7.25	30.270		
1,800.0	1,800.0	1,794.0	1,794.0	3.8	3.8	-156.17	-200.7	-88.6	219.4	212.0	7.38	29.747		
1,805.0	1,805.0	1,799.0	1,799.0	3.8	3.8	-156.17	-200.7	-88.6	219.4	212.0	7.38	29.718		
1,900.0	1,900.0	1,894.0	1,894.0	3.9	3.8	-156.17	-200.7	-88.6	219.4	211.9	7.52	29.167		
1,995.0	1,995.0	1,989.0	1,989.0	3.9	3.9	-156.17	-200.7	-88.6	219.4	211.7	7.67	28.618		
2,000.0	2,000.0	1,994.0	1,994.0	3.9	3.9	-156.17	-200.7	-88.6	219.4	211.7	7.67	28.589	CC, ES	
2,090.0	2,090.0	2,084.0	2,084.0	4.1	4.0	-141.39	-200.7	-88.6	220.5	212.6	7.92	27.827		
2,100.0	2,100.0	2,094.0	2,094.0	4.2	4.0	-141.44	-200.7	-88.6	220.8	212.8	7.95	27.758		
2,185.0	2,184.9	2,178.9	2,178.9	4.7	4.1	-142.07	-200.7	-88.6	224.1	215.5	8.53	26.260		
2,200.0	2,199.8	2,193.8	2,193.8	4.8	4.1	-142.22	-200.7	-88.6	224.9	216.2	8.64	26.019		
2,250.0	2,249.7	2,243.7	2,243.7	4.9	4.2	-142.79	-200.7	-88.6	228.0	219.2	8.80	25.912		
2,280.0	2,279.6	2,273.6	2,273.6	5.0	4.2	-143.18	-200.7	-88.6	230.1	221.2	8.86	25.963		
2,300.0	2,299.5	2,293.5	2,293.5	5.0	4.2	-143.44	-200.7	-88.6	231.5	222.6	8.90	25.997		
2,375.0	2,374.2	2,368.2	2,368.2	5.1	4.3	-144.38	-200.7	-88.6	236.8	227.7	9.08	26.074		
2,400.0	2,399.1	2,393.1	2,393.1	5.1	4.3	-144.68	-200.7	-88.6	238.6	229.4	9.14	26.093		
2,470.0	2,468.8	2,462.8	2,462.8	5.2	4.4	-145.51	-200.7	-88.6	243.6	234.2	9.34	26.067		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #501H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8512-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
2,500.0	2,498.7	2,492.7	2,492.7	5.3	4.4	-145.86	-200.7	-88.6	245.7	236.3	9.43	26.053	
2,535.0	2,533.6	2,529.2	2,529.2	5.3	4.4	-146.30	-200.6	-88.5	248.2	238.7	9.51	26.084	
2,565.0	2,563.5	2,560.8	2,560.8	5.3	4.4	-140.03	-200.5	-88.0	249.9	240.3	9.60	26.037	
2,600.0	2,598.4	2,597.6	2,597.6	5.4	4.5	-132.40	-200.1	-87.1	251.4	241.7	9.70	25.913	
2,660.0	2,658.2	2,660.6	2,660.5	5.6	4.5	-119.40	-199.2	-84.4	252.7	242.7	10.04	25.170	
2,700.0	2,698.0	2,702.4	2,702.2	5.8	4.5	-111.54	-198.3	-81.9	252.7	242.4	10.27	24.596	
2,755.0	2,752.8	2,758.6	2,758.2	6.1	4.6	-102.50	-196.7	-77.7	251.7	241.0	10.66	23.610	
2,800.0	2,797.6	2,802.9	2,802.4	6.4	4.6	-96.69	-195.5	-74.3	250.4	239.4	10.98	22.814	
2,850.0	2,847.3	2,852.1	2,851.4	6.6	4.6	-91.87	-194.1	-70.4	248.7	237.4	11.24	22.116	
2,900.0	2,896.9	2,901.1	2,900.3	6.9	4.6	-88.53	-192.7	-66.6	246.7	235.2	11.52	21.412	
2,945.0	2,941.5	2,945.1	2,944.1	7.0	4.7	-86.58	-191.4	-63.1	244.8	233.1	11.69	20.934	
3,000.0	2,995.9	2,998.6	2,997.5	7.2	4.7	-85.32	-189.9	-59.0	242.3	230.4	11.93	20.320	
3,040.0	3,035.4	3,037.5	3,036.1	7.4	4.7	-85.05	-188.8	-55.9	240.6	228.5	12.05	19.964	
3,100.0	3,094.4	3,095.4	3,093.9	7.5	4.8	-85.49	-187.1	-51.4	238.1	225.9	12.24	19.456	
3,135.0	3,128.8	3,129.1	3,127.5	7.6	4.8	-86.16	-186.2	-48.7	236.9	224.5	12.31	19.240	
3,144.0	3,137.6	3,137.8	3,136.1	7.6	4.8	-86.37	-185.9	-48.1	236.6	224.2	12.33	19.189	
3,200.0	3,192.5	3,191.5	3,189.7	7.7	4.8	-90.01	-184.4	-43.9	235.3	222.8	12.42	18.945	
3,230.0	3,221.9	3,220.4	3,218.4	7.8	4.8	-91.97	-183.6	-41.6	235.0	222.5	12.46	18.854	
3,242.0	3,233.6	3,231.8	3,229.8	7.8	4.9	-92.75	-183.3	-40.7	235.0	222.5	12.48	18.827	
3,300.0	3,290.5	3,287.6	3,285.4	8.0	4.9	-96.55	-181.7	-36.3	235.5	223.0	12.55	18.771 SF	
3,325.0	3,315.0	3,311.6	3,309.3	8.0	4.9	-98.17	-181.0	-34.5	236.1	223.5	12.58	18.774	
3,400.0	3,388.5	3,383.6	3,381.1	8.2	5.0	-102.99	-178.9	-28.8	239.1	226.4	12.65	18.904	
3,420.0	3,408.1	3,402.8	3,400.2	8.2	5.0	-104.25	-178.4	-27.3	240.2	227.5	12.66	18.965	
3,500.0	3,486.5	3,479.6	3,476.7	8.4	5.0	-109.18	-176.2	-21.3	245.8	233.1	12.73	19.314	
3,515.0	3,501.2	3,494.0	3,491.1	8.5	5.0	-110.08	-175.8	-20.2	247.1	234.3	12.74	19.395	
3,600.0	3,584.4	3,575.6	3,572.4	8.7	5.1	-115.00	-173.5	-13.8	255.4	242.6	12.81	19.943	
3,610.0	3,594.2	3,585.2	3,582.0	8.7	5.1	-115.56	-173.2	-13.1	256.5	243.7	12.82	20.016	
3,700.0	3,682.4	3,671.6	3,668.1	9.0	5.2	-120.37	-170.7	-6.3	267.6	254.7	12.91	20.734	
3,705.0	3,687.3	3,676.4	3,672.9	9.0	5.2	-120.63	-170.6	-5.9	268.3	255.3	12.91	20.777	
3,800.0	3,780.4	3,767.6	3,763.8	9.2	5.3	-125.27	-168.0	1.2	282.0	269.0	13.04	21.631	
3,895.0	3,873.5	3,858.8	3,854.7	9.5	5.3	-129.48	-165.4	8.3	297.5	284.3	13.20	22.540	
3,900.0	3,878.4	3,863.6	3,859.5	9.5	5.3	-129.69	-165.3	8.7	298.4	285.2	13.21	22.589	
3,990.0	3,966.6	3,950.1	3,945.6	9.8	5.4	-133.27	-162.8	15.5	314.5	301.1	13.40	23.472	
4,000.0	3,976.4	3,959.7	3,955.1	9.8	5.4	-133.64	-162.5	16.2	316.4	303.0	13.42	23.571	
4,085.0	4,059.7	4,041.3	4,036.5	10.1	5.5	-136.67	-160.2	22.6	332.8	319.1	13.64	24.405	
4,100.0	4,074.4	4,055.7	4,050.8	10.1	5.5	-137.18	-159.8	23.7	335.8	322.1	13.68	24.552	
4,180.0	4,152.8	4,132.5	4,127.4	10.4	5.6	-139.73	-157.6	29.8	352.1	338.2	13.90	25.324	
4,200.0	4,172.4	4,151.7	4,146.5	10.4	5.6	-140.33	-157.1	31.3	356.3	342.3	13.96	25.515	
4,275.0	4,245.9	4,223.7	4,218.3	10.7	5.7	-142.48	-155.0	36.9	372.3	358.1	14.20	26.219	
4,300.0	4,270.4	4,247.7	4,242.2	10.7	5.7	-143.15	-154.3	38.8	377.7	363.5	14.28	26.450	
4,370.0	4,339.0	4,314.9	4,309.2	11.0	5.7	-144.94	-152.4	44.0	393.2	378.7	14.52	27.085	
4,400.0	4,368.4	4,343.7	4,337.9	11.1	5.8	-145.67	-151.6	46.3	400.0	385.4	14.62	27.351	
4,465.0	4,432.1	4,406.1	4,400.1	11.3	5.8	-147.16	-149.8	51.2	414.8	400.0	14.86	27.917	
4,500.0	4,466.4	4,439.7	4,433.5	11.4	5.9	-147.92	-148.9	53.8	422.9	407.9	14.99	28.216	
4,560.0	4,525.2	4,497.3	4,491.0	11.6	5.9	-149.16	-147.2	58.3	437.0	421.8	15.22	28.716	
4,600.0	4,564.4	4,535.7	4,529.2	11.7	5.9	-149.95	-146.1	61.3	446.5	431.1	15.37	29.042	
4,655.0	4,618.3	4,588.5	4,581.8	11.9	6.0	-150.97	-144.6	65.4	459.6	444.0	15.59	29.481	
4,700.0	4,662.4	4,631.8	4,624.9	12.0	6.0	-151.77	-143.4	68.8	470.4	454.7	15.77	29.831	
4,750.0	4,711.4	4,679.8	4,672.7	12.2	6.1	-152.62	-142.0	72.6	482.6	466.6	15.97	30.212	
4,800.0	4,760.4	4,727.8	4,720.6	12.4	6.1	-153.42	-140.7	76.3	494.9	478.7	16.18	30.584	
4,845.0	4,804.4	4,771.0	4,763.6	12.5	6.2	-154.12	-139.4	79.7	506.0	489.6	16.37	30.911	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #501H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8512-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation Factor		Warning	
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,858.3	4,823.8	4,816.3	12.7	6.2	-154.92	-137.9	83.8	519.6	503.0	16.60	31.302	
4,940.0	4,897.5	4,862.2	4,854.5	12.8	6.3	-155.48	-136.8	86.8	529.6	512.9	16.77	31.580	
5,000.0	4,956.3	4,919.8	4,911.9	13.1	6.3	-156.28	-135.2	91.4	544.7	527.7	17.03	31.987	
5,035.0	4,990.6	4,953.4	4,945.4	13.2	6.3	-156.73	-134.2	94.0	553.6	536.4	17.18	32.218	
5,100.0	5,054.3	5,015.8	5,007.6	13.4	6.4	-157.53	-132.4	98.9	570.1	552.6	17.47	32.640	
5,130.0	5,083.7	5,044.6	5,036.3	13.5	6.4	-157.88	-131.6	101.1	577.7	560.1	17.60	32.829	
5,200.0	5,152.3	5,111.8	5,103.3	13.7	6.5	-158.67	-129.7	106.4	595.6	577.7	17.91	33.263	
5,225.0	5,176.8	5,135.8	5,127.2	13.8	6.5	-158.94	-129.0	108.3	602.1	584.0	18.02	33.414	
5,300.0	5,250.3	5,207.8	5,199.0	14.1	6.6	-159.71	-127.0	113.9	621.4	603.1	18.35	33.857	
5,320.0	5,269.9	5,227.0	5,218.1	14.2	6.6	-159.91	-126.4	115.4	626.6	608.2	18.44	33.973	
5,400.0	5,348.3	5,303.8	5,294.7	14.4	6.7	-160.67	-124.2	121.4	647.4	628.6	18.81	34.425	
5,415.0	5,363.0	5,318.2	5,309.0	14.5	6.7	-160.81	-123.8	122.5	651.3	632.4	18.87	34.508	
5,500.0	5,446.3	5,399.9	5,390.3	14.8	6.8	-161.56	-121.5	128.9	673.5	654.3	19.26	34.968	
5,510.0	5,456.1	5,409.5	5,399.9	14.8	6.8	-161.65	-121.2	129.7	676.1	656.8	19.31	35.021	
5,600.0	5,544.3	5,495.9	5,486.0	15.1	6.9	-162.39	-118.8	136.4	699.8	680.1	19.72	35.487	
5,605.0	5,549.2	5,500.7	5,490.8	15.2	6.9	-162.43	-118.6	136.8	701.1	681.4	19.74	35.512	
5,700.0	5,642.3	5,591.9	5,581.7	15.5	7.0	-163.15	-116.0	143.9	726.2	706.0	20.18	35.983	
5,795.0	5,735.4	5,683.1	5,672.6	15.8	7.1	-163.83	-113.4	151.1	751.3	730.7	20.62	36.435	
5,800.0	5,740.3	5,687.9	5,677.4	15.9	7.1	-163.86	-113.3	151.4	752.7	732.0	20.64	36.458	
5,890.0	5,828.5	5,774.3	5,763.5	16.2	7.2	-164.46	-110.8	158.2	776.6	755.5	21.06	36.869	
5,900.0	5,838.3	5,783.9	5,773.1	16.2	7.2	-164.53	-110.6	159.0	779.3	758.2	21.11	36.913	
5,985.0	5,921.6	5,865.5	5,854.4	16.5	7.3	-165.05	-108.2	165.3	802.0	780.5	21.51	37.285	
6,000.0	5,936.3	5,879.9	5,868.7	16.6	7.3	-165.14	-107.8	166.5	806.0	784.4	21.58	37.350	
6,080.0	6,014.7	5,956.7	5,945.3	16.9	7.4	-165.61	-105.6	172.5	827.4	805.4	21.96	37.686	
6,100.0	6,034.2	5,975.9	5,964.4	16.9	7.4	-165.72	-105.1	174.0	832.8	810.7	22.05	37.768	
6,175.0	6,107.7	6,048.0	6,036.2	17.2	7.5	-166.14	-103.1	179.6	852.9	830.5	22.40	38.070	
6,200.0	6,132.2	6,072.0	6,060.1	17.3	7.5	-166.27	-102.4	181.5	859.6	837.1	22.52	38.169	
6,270.0	6,200.8	6,139.2	6,127.1	17.6	7.6	-166.63	-100.5	186.8	878.4	855.6	22.85	38.441	
6,300.0	6,230.2	6,168.0	6,155.8	17.7	7.6	-166.78	-99.6	189.0	886.5	863.5	22.99	38.555	
6,365.0	6,293.9	6,230.4	6,218.0	17.9	7.7	-167.10	-97.9	193.9	904.1	880.8	23.30	38.797	
6,400.0	6,328.2	6,264.0	6,251.5	18.0	7.7	-167.26	-96.9	196.5	913.5	890.0	23.47	38.925	
6,460.0	6,387.0	6,321.6	6,308.9	18.3	7.8	-167.54	-95.3	201.0	929.7	906.0	23.75	39.140	
6,500.0	6,426.2	6,360.0	6,347.1	18.4	7.8	-167.71	-94.2	204.0	940.6	916.6	23.94	39.281	
6,555.0	6,480.1	6,412.8	6,399.8	18.6	7.9	-167.95	-92.7	208.2	955.4	931.2	24.21	39.470	
6,600.0	6,524.2	6,456.0	6,442.8	18.8	8.0	-168.14	-91.4	211.5	967.6	943.2	24.42	39.623	
6,650.0	6,573.2	6,504.0	6,490.7	19.0	8.0	-168.35	-90.1	215.3	981.2	956.5	24.66	39.789	
6,700.0	6,622.2	6,552.0	6,538.5	19.1	8.1	-168.55	-88.7	219.1	994.8	969.9	24.90	39.952	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #502H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8546-MWD+IFR1+FDIR													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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-149.47	-201.1	-118.6	233.6					
95.0	95.0	89.0	89.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.00	38.915		
100.0	100.0	94.0	94.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.00	38.915		
190.0	190.0	184.0	184.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.01	38.873		
200.0	200.0	194.0	194.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.01	38.865		
285.0	285.0	279.0	279.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.02	38.775		
300.0	300.0	294.0	294.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.03	38.755		
380.0	380.0	374.0	374.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.05	38.625		
400.0	400.0	394.0	394.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.5	6.05	38.586		
475.0	475.0	469.0	469.0	3.0	3.0	-149.47	-201.1	-118.6	233.5	227.4	6.08	38.422		
500.0	500.0	494.0	494.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.4	6.09	38.361		
570.0	570.0	564.0	564.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.4	6.12	38.171		
600.0	600.0	594.0	594.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.4	6.13	38.081		
665.0	665.0	659.0	659.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.3	6.17	37.873		
700.0	700.0	694.0	694.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.3	6.19	37.752		
760.0	760.0	754.0	754.0	3.1	3.1	-149.47	-201.1	-118.6	233.5	227.3	6.22	37.532		
800.0	800.0	794.0	794.0	3.2	3.2	-149.47	-201.1	-118.6	233.5	227.3	6.25	37.377		
855.0	855.0	849.0	849.0	3.2	3.2	-149.47	-201.1	-118.6	233.5	227.2	6.29	37.153		
900.0	900.0	894.0	894.0	3.2	3.2	-149.47	-201.1	-118.6	233.5	227.2	6.32	36.961		
950.0	950.0	944.0	944.0	3.2	3.2	-149.47	-201.1	-118.6	233.5	227.2	6.36	36.738		
1,000.0	1,000.0	994.0	994.0	3.2	3.2	-149.47	-201.1	-118.6	233.5	227.1	6.40	36.507		
1,045.0	1,045.0	1,039.0	1,039.0	3.3	3.3	-149.47	-201.1	-118.6	233.5	227.1	6.43	36.292		
1,100.0	1,100.0	1,094.0	1,094.0	3.3	3.3	-149.47	-201.1	-118.6	233.5	227.0	6.48	36.021		
1,140.0	1,140.0	1,134.0	1,134.0	3.3	3.3	-149.47	-201.1	-118.6	233.5	227.0	6.52	35.819		
1,200.0	1,200.0	1,194.0	1,194.0	3.4	3.3	-149.47	-201.1	-118.6	233.5	226.9	6.58	35.507		
1,235.0	1,235.0	1,229.0	1,229.0	3.4	3.4	-149.47	-201.1	-118.6	233.5	226.9	6.61	35.322		
1,300.0	1,300.0	1,294.0	1,294.0	3.4	3.4	-149.47	-201.1	-118.6	233.5	226.8	6.68	34.971		
1,330.0	1,330.0	1,324.0	1,324.0	3.4	3.4	-149.47	-201.1	-118.6	233.5	226.8	6.71	34.806		
1,400.0	1,400.0	1,394.0	1,394.0	3.5	3.5	-149.47	-201.1	-118.6	233.5	226.7	6.79	34.415		
1,425.0	1,425.0	1,419.0	1,419.0	3.5	3.5	-149.47	-201.1	-118.6	233.5	226.7	6.81	34.274		
1,500.0	1,500.0	1,494.0	1,494.0	3.5	3.5	-149.47	-201.1	-118.6	233.5	226.6	6.90	33.845		
1,520.0	1,520.0	1,514.0	1,514.0	3.6	3.6	-149.47	-201.1	-118.6	233.5	226.6	6.92	33.729		
1,600.0	1,600.0	1,594.0	1,594.0	3.6	3.6	-149.47	-201.1	-118.6	233.5	226.5	7.02	33.264		
1,615.0	1,615.0	1,609.0	1,609.0	3.6	3.6	-149.47	-201.1	-118.6	233.5	226.5	7.04	33.176		
1,700.0	1,700.0	1,694.0	1,694.0	3.7	3.7	-149.47	-201.1	-118.6	233.5	226.4	7.15	32.675		
1,710.0	1,710.0	1,704.0	1,704.0	3.7	3.7	-149.47	-201.1	-118.6	233.5	226.3	7.16	32.616		
1,800.0	1,800.0	1,794.0	1,794.0	3.8	3.8	-149.47	-201.1	-118.6	233.5	226.2	7.28	32.083		
1,805.0	1,805.0	1,799.0	1,799.0	3.8	3.8	-149.47	-201.1	-118.6	233.5	226.2	7.29	32.053		
1,900.0	1,900.0	1,894.0	1,894.0	3.9	3.8	-149.47	-201.1	-118.6	233.5	226.1	7.42	31.489		
1,995.0	1,995.0	1,989.0	1,989.0	3.9	3.9	-149.47	-201.1	-118.6	233.5	226.0	7.55	30.926		
2,000.0	2,000.0	1,994.0	1,994.0	3.9	3.9	-149.47	-201.1	-118.6	233.5	226.0	7.56	30.896		
2,090.0	2,090.0	2,084.0	2,084.0	4.1	4.0	-134.70	-201.1	-118.6	234.5	226.7	7.79	30.108		
2,100.0	2,100.0	2,094.0	2,094.0	4.2	4.0	-134.75	-201.1	-118.6	234.7	226.9	7.82	30.034		
2,185.0	2,184.9	2,178.9	2,178.9	4.7	4.1	-135.43	-201.1	-118.6	237.7	229.4	8.35	28.460		
2,200.0	2,199.8	2,193.8	2,193.8	4.8	4.1	-135.59	-201.1	-118.6	238.4	230.0	8.46	28.199		
2,250.0	2,249.7	2,243.7	2,243.7	4.9	4.2	-136.21	-201.1	-118.6	241.3	232.7	8.61	28.026		
2,280.0	2,279.6	2,273.6	2,273.6	5.0	4.2	-136.63	-201.1	-118.6	243.2	234.5	8.67	28.034		
2,300.0	2,299.5	2,293.5	2,293.5	5.0	4.2	-136.91	-201.1	-118.6	244.4	235.7	8.72	28.040		
2,375.0	2,374.2	2,368.2	2,368.2	5.1	4.3	-137.94	-201.1	-118.6	249.3	240.4	8.90	28.002		
2,400.0	2,399.1	2,393.1	2,393.1	5.1	4.3	-138.27	-201.1	-118.6	250.9	241.9	8.97	27.980		
2,470.0	2,468.8	2,462.8	2,462.8	5.2	4.4	-139.18	-201.1	-118.6	255.5	246.3	9.18	27.842		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #502H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8546-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning		
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)	Between Ellipses (usft)	Factor		
2,500.0	2,498.7	2,492.7	2,492.7	5.3	4.4	-139.56	-201.1	-118.6	257.5	248.2	9.27	27.779	
2,535.0	2,533.6	2,527.4	2,527.4	5.3	4.4	-139.96	-201.1	-118.8	259.8	250.5	9.35	27.787	
2,565.0	2,563.5	2,557.1	2,557.1	5.3	4.4	-133.53	-200.9	-119.2	261.7	252.3	9.43	27.760	
2,600.0	2,598.4	2,591.7	2,591.7	5.4	4.5	-125.51	-200.6	-120.0	263.7	254.1	9.52	27.708	
2,660.0	2,658.2	2,651.3	2,651.2	5.6	4.5	-111.42	-199.8	-122.4	266.2	256.4	9.83	27.091	
2,700.0	2,698.0	2,691.0	2,690.8	5.8	4.5	-102.52	-199.0	-124.6	267.3	257.3	10.04	26.625	
2,755.0	2,752.8	2,745.6	2,745.3	6.1	4.5	-91.68	-197.5	-128.5	268.2	257.8	10.38	25.829	
2,800.0	2,797.6	2,790.6	2,790.1	6.4	4.6	-84.27	-196.2	-132.2	268.3	257.6	10.67	25.143	
2,850.0	2,847.3	2,840.6	2,839.9	6.6	4.6	-77.60	-194.7	-136.4	267.7	256.8	10.88	24.606	
2,900.0	2,896.9	2,890.5	2,889.7	6.9	4.6	-72.35	-193.2	-140.5	266.3	255.2	11.10	23.990	
2,945.0	2,941.5	2,935.5	2,934.4	7.0	4.7	-68.64	-191.8	-144.3	264.5	253.3	11.20	23.621	
3,000.0	2,995.9	2,990.3	2,989.1	7.2	4.7	-65.13	-190.1	-148.8	261.4	250.0	11.40	22.941	
3,040.0	3,035.4	3,030.2	3,028.8	7.4	4.7	-63.18	-188.9	-152.1	258.7	247.2	11.51	22.473	
3,100.0	3,094.4	3,089.8	3,088.2	7.5	4.8	-61.03	-187.1	-157.1	253.8	242.1	11.67	21.739	
3,135.0	3,128.8	3,124.6	3,122.8	7.6	4.8	-60.15	-186.1	-160.0	250.4	238.7	11.78	21.266	
3,144.0	3,137.6	3,133.5	3,131.6	7.6	4.8	-59.96	-185.8	-160.7	249.5	237.7	11.80	21.140	
3,200.0	3,192.5	3,189.0	3,187.0	7.7	4.8	-61.07	-184.1	-165.3	243.9	231.9	11.98	20.364	
3,230.0	3,221.9	3,218.7	3,216.6	7.8	4.8	-61.69	-183.2	-167.8	240.9	228.8	12.07	19.953	
3,300.0	3,290.5	3,288.1	3,285.7	8.0	4.9	-63.19	-181.1	-173.5	234.1	221.8	12.30	19.025	
3,325.0	3,315.0	3,312.9	3,310.4	8.0	4.9	-63.75	-180.4	-175.6	231.7	219.3	12.39	18.699	
3,400.0	3,388.5	3,387.2	3,384.4	8.2	5.0	-65.49	-178.2	-181.8	224.6	211.9	12.65	17.752	
3,420.0	3,408.1	3,407.1	3,404.2	8.2	5.0	-65.97	-177.6	-183.4	222.7	210.0	12.72	17.505	
3,500.0	3,486.5	3,486.4	3,483.2	8.4	5.0	-67.99	-175.2	-190.0	215.5	202.5	13.02	16.553	
3,515.0	3,501.2	3,501.2	3,498.0	8.5	5.0	-68.38	-174.7	-191.2	214.2	201.1	13.08	16.379	
3,600.0	3,584.4	3,585.5	3,581.9	8.7	5.1	-70.70	-172.2	-198.2	206.8	193.4	13.40	15.432	
3,610.0	3,594.2	3,595.4	3,591.8	8.7	5.1	-70.98	-171.9	-199.0	206.0	192.6	13.44	15.324	
3,700.0	3,682.4	3,684.6	3,680.6	9.0	5.2	-73.63	-169.2	-206.4	198.7	184.9	13.81	14.392	
3,705.0	3,687.3	3,689.6	3,685.6	9.0	5.2	-73.78	-169.0	-206.8	198.3	184.5	13.83	14.342	
3,800.0	3,780.4	3,783.7	3,779.4	9.2	5.3	-76.80	-166.2	-214.7	191.1	176.9	14.22	13.437	
3,895.0	3,873.5	3,877.9	3,873.2	9.5	5.4	-80.05	-163.3	-222.5	184.5	169.9	14.63	12.611	
3,900.0	3,878.4	3,882.9	3,878.1	9.5	5.4	-80.23	-163.2	-222.9	184.2	169.5	14.65	12.569	
3,990.0	3,966.6	3,972.1	3,967.0	9.8	5.4	-83.52	-160.5	-230.3	178.5	163.5	15.05	11.864	
4,000.0	3,976.4	3,982.0	3,976.8	9.8	5.4	-83.90	-160.2	-231.1	177.9	162.9	15.09	11.791	
4,085.0	4,059.7	4,066.2	4,060.8	10.1	5.5	-87.21	-157.6	-238.1	173.3	157.8	15.47	11.200	
4,100.0	4,074.4	4,081.1	4,075.6	10.1	5.5	-87.81	-157.2	-239.3	172.5	157.0	15.54	11.103	
4,180.0	4,152.8	4,160.4	4,154.6	10.4	5.6	-91.11	-154.8	-245.9	168.8	152.9	15.89	10.618	
4,200.0	4,172.4	4,180.2	4,174.3	10.4	5.6	-91.96	-154.2	-247.6	167.9	151.9	15.98	10.507	
4,275.0	4,245.9	4,254.6	4,248.4	10.7	5.7	-95.20	-152.0	-253.7	165.1	148.8	16.32	10.119	
4,300.0	4,270.4	4,279.3	4,273.1	10.7	5.7	-96.31	-151.2	-255.8	164.3	147.9	16.43	10.002	
4,370.0	4,339.0	4,348.7	4,342.2	11.0	5.8	-99.46	-149.1	-261.5	162.3	145.6	16.73	9.702	
4,400.0	4,368.4	4,378.5	4,371.8	11.1	5.8	-100.83	-148.2	-264.0	161.7	144.8	16.86	9.588	
4,465.0	4,432.1	4,442.9	4,436.0	11.3	5.9	-103.83	-146.3	-269.4	160.5	143.4	17.14	9.366	
4,500.0	4,466.4	4,477.6	4,470.5	11.4	5.9	-105.46	-145.2	-272.2	160.1	142.8	17.28	9.262	
4,560.0	4,525.2	4,537.1	4,529.8	11.6	5.9	-108.27	-143.4	-277.2	159.6	142.1	17.53	9.107	
4,595.9	4,560.3	4,572.6	4,565.2	11.7	6.0	-109.96	-142.3	-280.1	159.6	141.9	17.67	9.029 CC	
4,600.0	4,564.4	4,576.7	4,569.3	11.7	6.0	-110.15	-142.2	-280.5	159.6	141.9	17.69	9.020	
4,655.0	4,618.3	4,631.2	4,623.6	11.9	6.0	-112.74	-140.6	-285.0	159.8	141.9	17.91	8.922 ES	
4,700.0	4,662.4	4,675.8	4,668.0	12.0	6.1	-114.85	-139.2	-288.7	160.2	142.1	18.08	8.859	
4,750.0	4,711.4	4,725.4	4,717.4	12.2	6.1	-117.17	-137.7	-292.8	160.9	142.6	18.27	8.806	
4,800.0	4,760.4	4,775.0	4,766.7	12.4	6.2	-119.47	-136.2	-296.9	161.8	143.4	18.45	8.770	
4,845.0	4,804.4	4,819.6	4,811.2	12.5	6.2	-121.52	-134.9	-300.6	162.9	144.3	18.62	8.753	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #502H - OWB - PWP1													Offset Site Error:	3.0 usft	
Survey Program:		0-Standard Keeper 104, 8546-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,900.0	4,858.3	4,874.1	4,865.5	12.7	6.3	-123.98	-133.2	-305.1	164.6	145.8	18.81	8.748 SF			
4,940.0	4,897.5	4,913.7	4,905.0	12.8	6.3	-125.73	-132.0	-308.4	165.9	147.0	18.95	8.756			
5,000.0	4,956.3	4,973.2	4,964.2	13.1	6.4	-128.31	-130.2	-313.4	168.3	149.1	19.16	8.785			
5,035.0	4,990.6	5,007.9	4,998.8	13.2	6.4	-129.78	-129.2	-316.2	169.8	150.5	19.27	8.810			
5,100.0	5,054.3	5,072.3	5,062.9	13.4	6.5	-132.44	-127.3	-321.6	172.9	153.4	19.49	8.872			
5,130.0	5,083.7	5,102.1	5,092.6	13.5	6.5	-133.63	-126.4	-324.1	174.5	154.9	19.59	8.907			
5,200.0	5,152.3	5,171.5	5,161.7	13.7	6.6	-136.34	-124.3	-329.8	178.4	158.6	19.82	9.002			
5,225.0	5,176.8	5,196.2	5,186.4	13.8	6.6	-137.27	-123.5	-331.9	179.9	160.0	19.90	9.040			
5,300.0	5,250.3	5,270.6	5,260.4	14.1	6.7	-139.99	-121.3	-338.0	184.7	164.6	20.15	9.167			
5,320.0	5,269.9	5,290.4	5,280.2	14.2	6.7	-140.69	-120.7	-339.7	186.1	165.9	20.22	9.204			
5,400.0	5,348.3	5,369.7	5,359.1	14.4	6.8	-143.39	-118.3	-346.3	191.7	171.2	20.48	9.361			
5,415.0	5,363.0	5,384.6	5,374.0	14.5	6.8	-143.88	-117.8	-347.5	192.8	172.3	20.53	9.392			
5,500.0	5,446.3	5,468.8	5,457.9	14.8	6.9	-146.54	-115.3	-354.5	199.3	178.5	20.81	9.577			
5,510.0	5,456.1	5,478.7	5,467.8	14.8	6.9	-146.84	-115.0	-355.3	200.1	179.3	20.85	9.600			
5,600.0	5,544.3	5,567.9	5,556.6	15.1	7.0	-149.46	-112.3	-362.7	207.5	186.4	21.15	9.811			
5,605.0	5,549.2	5,572.9	5,561.6	15.2	7.0	-149.60	-112.1	-363.1	208.0	186.8	21.17	9.823			
5,700.0	5,642.3	5,667.1	5,655.4	15.5	7.1	-152.15	-109.3	-370.9	216.2	194.7	21.50	10.057			
5,795.0	5,735.4	5,761.2	5,749.2	15.8	7.2	-154.51	-106.4	-378.8	224.9	203.1	21.84	10.299			
5,800.0	5,740.3	5,766.2	5,754.1	15.9	7.2	-154.62	-106.3	-379.2	225.4	203.5	21.85	10.312			
5,890.0	5,828.5	5,855.4	5,843.0	16.2	7.3	-156.69	-103.6	-386.6	233.9	211.7	22.18	10.547			
5,900.0	5,838.3	5,865.3	5,852.8	16.2	7.3	-156.91	-103.3	-387.4	234.9	212.7	22.21	10.573			
5,985.0	5,921.6	5,949.6	5,936.7	16.5	7.4	-158.71	-100.8	-394.4	243.2	220.7	22.53	10.798			
6,000.0	5,936.3	5,964.4	5,951.6	16.6	7.4	-159.01	-100.3	-395.6	244.7	222.1	22.58	10.838			
6,080.0	6,014.7	6,043.7	6,030.5	16.9	7.5	-160.58	-97.9	-402.2	252.8	230.0	22.88	11.051			
6,100.0	6,034.2	6,063.6	6,050.3	16.9	7.5	-160.95	-97.3	-403.8	254.9	231.9	22.96	11.104			
6,175.0	6,107.7	6,137.9	6,124.3	17.2	7.6	-162.31	-95.1	-410.0	262.7	239.5	23.24	11.303			
6,200.0	6,132.2	6,162.7	6,149.0	17.3	7.6	-162.74	-94.3	-412.1	265.3	242.0	23.34	11.369			
6,270.0	6,200.8	6,232.1	6,218.1	17.6	7.7	-163.92	-92.2	-417.8	272.8	249.2	23.61	11.554			
6,300.0	6,230.2	6,261.8	6,247.8	17.7	7.7	-164.40	-91.3	-420.3	276.0	252.3	23.73	11.633			
6,365.0	6,293.9	6,326.2	6,311.9	17.9	7.8	-165.41	-89.4	-425.6	283.1	259.1	23.98	11.803			
6,400.0	6,328.2	6,360.9	6,346.5	18.0	7.8	-165.93	-88.3	-428.5	286.9	262.8	24.12	11.894			
6,460.0	6,387.0	6,420.4	6,405.7	18.3	7.9	-166.79	-86.5	-433.5	293.5	269.1	24.36	12.048			
6,500.0	6,426.2	6,460.1	6,445.2	18.4	8.0	-167.35	-85.3	-436.8	298.0	273.4	24.52	12.151			
6,555.0	6,480.1	6,514.6	6,499.5	18.6	8.0	-168.08	-83.7	-441.3	304.1	279.4	24.74	12.291			
6,600.0	6,524.2	6,559.2	6,544.0	18.8	8.1	-168.66	-82.3	-445.0	309.2	284.3	24.93	12.404			
6,650.0	6,573.2	6,608.7	6,593.3	19.0	8.1	-169.29	-80.8	-449.1	314.9	289.7	25.13	12.529			
6,700.0	6,622.2	6,658.3	6,642.7	19.1	8.2	-169.89	-79.3	-453.2	320.6	295.2	25.34	12.652			
6,745.0	6,666.3	6,702.9	6,687.1	19.3	8.2	-170.41	-78.0	-456.9	325.8	300.2	25.52	12.763			
6,800.0	6,720.2	6,757.4	6,741.4	19.5	8.3	-171.03	-76.4	-461.4	332.1	306.4	25.75	12.896			
6,840.0	6,759.4	6,797.1	6,780.9	19.7	8.3	-171.46	-75.2	-464.7	336.8	310.8	25.92	12.992			
6,900.0	6,818.2	6,856.5	6,840.2	19.9	8.4	-172.09	-73.4	-469.7	343.8	317.6	26.17	13.134			
6,935.0	6,852.5	6,891.2	6,874.7	20.0	8.4	-172.45	-72.3	-472.5	347.9	321.5	26.32	13.216			
7,000.0	6,916.2	6,955.7	6,938.9	20.2	8.5	-173.09	-70.4	-477.9	355.5	328.9	26.60	13.366			
7,030.0	6,945.6	6,985.4	6,968.5	20.4	8.6	-173.37	-69.5	-480.3	359.1	332.3	26.73	13.435			
7,100.0	7,014.2	7,054.8	7,037.7	20.6	8.6	-174.02	-67.4	-486.1	367.4	340.3	27.03	13.594			
7,125.0	7,038.7	7,079.6	7,062.3	20.7	8.7	-174.24	-66.6	-488.2	370.4	343.2	27.13	13.649			
7,200.0	7,112.2	7,153.9	7,136.4	21.0	8.8	-174.89	-64.4	-494.3	379.3	351.9	27.46	13.815			
7,220.0	7,131.8	7,173.7	7,156.1	21.1	8.8	-175.06	-63.8	-496.0	381.7	354.2	27.54	13.859			
7,300.0	7,210.2	7,253.0	7,235.1	21.4	8.9	-175.71	-61.4	-502.6	391.3	363.5	27.89	14.031			
7,315.0	7,224.9	7,267.9	7,249.9	21.4	8.9	-175.82	-60.9	-503.8	393.2	365.2	27.96	14.063			
7,400.0	7,308.1	7,352.2	7,333.9	21.7	9.0	-176.48	-58.4	-510.8	403.4	375.1	28.33	14.242			

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #502H - OWB - PWP1														Offset Site Error: 3.0 usft	
Survey Program: Reference		0-Standard Keeper 104, 8546-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)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
7,410.0	7,317.9	7,362.1	7,343.7	21.8	9.0	-176.55	-58.1	-511.6	404.7	376.3	28.37	14.262			
7,500.0	7,406.1	7,451.3	7,432.6	22.1	9.1	-177.20	-55.4	-519.0	415.6	386.8	28.77	14.446			
7,505.0	7,411.0	7,456.2	7,437.5	22.1	9.1	-177.24	-55.2	-519.4	416.2	387.4	28.79	14.457			
7,600.0	7,504.1	7,550.4	7,531.3	22.5	9.2	-177.88	-52.4	-527.2	427.8	398.6	29.21	14.646			
7,648.7	7,551.8	7,598.6	7,579.4	22.7	9.3	-178.20	-50.9	-531.2	433.8	404.4	29.43	14.743			
7,695.0	7,597.3	7,644.6	7,625.2	22.8	9.3	-178.50	-49.6	-535.1	439.2	409.5	29.63	14.821			
7,700.0	7,602.2	7,649.6	7,630.1	22.8	9.3	-178.53	-49.4	-535.5	439.7	410.0	29.65	14.827			
7,790.0	7,691.0	7,739.1	7,719.3	23.2	9.4	-179.08	-46.7	-542.9	447.8	417.7	30.11	14.873			
7,800.0	7,700.8	7,749.1	7,729.2	23.2	9.4	-179.14	-46.4	-543.7	448.5	418.3	30.16	14.873			
7,885.0	7,785.1	7,833.9	7,813.7	23.6	9.5	-179.63	-43.8	-550.8	453.3	422.7	30.62	14.804			
7,900.0	7,800.0	7,848.8	7,828.6	23.6	9.6	-179.72	-43.4	-552.0	453.9	423.2	30.70	14.784			
7,980.0	7,879.6	7,928.7	7,908.2	23.9	9.7	179.82	-41.0	-558.6	455.7	424.6	31.13	14.639			
8,000.0	7,899.5	7,948.7	7,928.1	24.0	9.7	179.71	-40.4	-560.3	455.8	424.6	31.24	14.593			
8,075.0	7,974.4	8,023.6	8,002.7	24.3	9.8	179.29	-38.1	-566.5	455.0	423.4	31.63	14.387			
8,100.0	7,999.3	8,048.6	8,027.6	24.4	9.8	179.14	-37.4	-568.6	454.3	422.6	31.76	14.305			
8,170.0	8,069.3	8,118.4	8,097.1	24.7	9.9	178.73	-35.2	-574.4	451.2	419.1	32.12	14.051			
8,200.0	8,099.3	8,148.3	8,126.9	24.8	9.9	178.56	-34.3	-576.9	449.4	417.1	32.27	13.927			
8,223.7	8,123.0	8,172.0	8,150.5	24.9	10.0	77.70	-33.6	-578.8	447.7	415.4	32.36	13.836			
8,265.0	8,164.3	8,213.1	8,191.4	25.0	10.0	77.45	-32.4	-582.2	444.6	412.1	32.51	13.675			
8,300.0	8,199.3	8,248.0	8,226.2	25.1	10.0	77.23	-31.3	-585.1	442.0	409.4	32.65	13.541			
8,360.0	8,259.3	8,307.7	8,285.7	25.3	10.1	76.86	-29.5	-590.1	437.6	404.7	32.87	13.311			
8,400.0	8,299.3	8,347.6	8,325.4	25.4	10.2	76.60	-28.3	-593.4	434.6	401.6	33.03	13.160			
8,455.0	8,354.3	8,402.4	8,380.0	25.6	10.2	76.25	-26.7	-597.9	430.6	397.3	33.24	12.955			
8,500.0	8,399.3	8,447.2	8,424.6	25.7	10.3	75.95	-25.3	-601.7	427.3	393.9	33.41	12.789			
8,550.0	8,449.3	8,497.4	8,474.6	25.9	10.3	75.62	-23.8	-605.8	423.6	390.0	33.60	12.606			
8,600.0	8,499.3	8,574.5	8,551.2	26.0	10.4	75.73	-26.6	-613.5	418.3	384.4	33.88	12.346			
8,645.0	8,544.3	8,641.7	8,617.0	26.1	10.4	76.88	-37.2	-622.3	410.9	376.7	34.16	12.028			
8,700.0	8,599.3	8,718.7	8,689.9	26.3	10.4	79.55	-58.5	-634.5	398.8	364.3	34.57	11.537			
8,740.0	8,639.3	8,770.1	8,736.5	26.4	10.4	82.21	-78.0	-643.8	388.6	353.7	34.91	11.133			
8,800.0	8,699.3	8,839.2	8,795.9	26.6	10.5	87.07	-110.4	-657.7	372.2	336.8	35.46	10.498			
8,835.0	8,734.3	8,875.0	8,824.9	26.7	10.5	90.20	-130.0	-665.4	362.7	326.9	35.79	10.135			
8,900.0	8,799.3	8,933.4	8,869.2	26.9	10.6	96.24	-165.5	-678.7	346.8	310.4	36.40	9.527			
8,930.0	8,829.3	8,957.1	8,886.1	27.0	10.6	99.01	-181.2	-684.3	340.7	304.0	36.66	9.292			
9,000.0	8,899.3	9,005.5	8,918.3	27.2	10.6	105.18	-215.3	-696.1	331.4	294.2	37.20	8.908			
9,025.0	8,924.3	9,020.7	8,927.8	27.3	10.7	107.24	-226.6	-699.9	330.1	292.7	37.36	8.835			
9,039.6	8,938.9	9,029.1	8,932.9	27.4	10.7	108.41	-232.9	-702.1	329.9	292.4	37.44	8.811			
9,100.0	8,999.3	9,060.8	8,951.3	27.5	10.7	112.88	-257.4	-710.1	333.6	296.0	37.66	8.859			
9,120.0	9,019.3	9,070.3	8,956.5	27.6	10.8	114.24	-264.9	-712.5	336.6	298.9	37.69	8.929			
9,200.0	9,099.3	9,100.0	8,972.0	27.8	10.8	118.54	-289.1	-720.2	356.8	319.2	37.60	9.490			
9,215.0	9,114.3	9,109.4	8,976.7	27.9	10.8	119.91	-296.9	-722.7	362.0	324.4	37.60	9.629			
9,300.0	9,199.3	9,137.9	8,989.9	28.2	10.9	124.02	-321.0	-730.2	399.4	362.1	37.26	10.720			
9,310.0	9,209.3	9,140.9	8,991.2	28.2	10.9	124.45	-323.6	-731.0	404.6	367.3	37.21	10.873			
9,400.0	9,299.3	9,165.4	9,001.4	28.5	11.0	127.90	-344.9	-737.4	457.1	420.4	36.76	12.437			
9,405.0	9,304.3	9,166.6	9,001.9	28.5	11.0	128.07	-346.0	-737.8	460.4	423.6	36.73	12.532			
9,500.0	9,399.3	9,187.9	9,010.0	28.8	11.0	130.99	-364.8	-743.4	525.8	489.5	36.32	14.475			
9,595.0	9,494.3	9,200.0	9,014.2	29.1	11.0	132.61	-375.7	-746.6	598.1	562.2	35.99	16.619			
9,600.0	9,499.3	9,200.0	9,014.2	29.1	11.0	132.61	-375.7	-746.6	602.1	566.1	35.97	16.738			
9,690.0	9,589.3	9,221.0	9,021.0	29.4	11.1	135.34	-394.7	-752.2	675.2	639.4	35.88	18.821			
9,700.0	9,599.3	9,222.5	9,021.5	29.4	11.1	135.53	-396.1	-752.6	683.6	647.7	35.87	19.059			
9,785.0	9,684.3	9,234.1	9,024.9	29.7	11.1	136.98	-406.7	-755.7	755.9	720.1	35.82	21.103			
9,800.0	9,699.3	9,236.0	9,025.5	29.7	11.1	137.22	-408.5	-756.2	768.9	733.1	35.82	21.467			

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #502H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8546-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum 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)	Separation Factor		
9,880.0	9,779.3	9,250.0	9,029.3	30.0	11.2	138.92	-421.5	-759.9	839.2	803.4	35.87	23.394	
9,900.0	9,799.3	9,250.0	9,029.3	30.0	11.2	138.92	-421.5	-759.9	857.0	821.2	35.87	23.890	
9,975.0	9,874.3	9,250.0	9,029.3	30.3	11.2	138.92	-421.5	-759.9	924.5	888.6	35.90	25.751	
10,000.0	9,899.3	9,250.0	9,029.3	30.4	11.2	138.92	-421.5	-759.9	947.3	911.3	35.92	26.370	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #701H - OWB - PWP3													Offset Site Error: 3.0 usft	
Survey Program: 0-MWD+IFR1+FDIR				Offset				Rule Assigned: Distance				Offset Well Error: 3.0 usft		
Measured Reference	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Separation (usft)	Factor		
0.0	0.0	0.0	0.0	3.0	3.0	89.52	1.7	199.9	200.1					
95.0	95.0	87.0	87.0	3.0	3.0	89.52	1.7	199.9	199.9	193.9	6.00	33.308		
100.0	100.0	92.0	92.0	3.0	3.0	89.52	1.7	199.9	199.9	193.9	6.00	33.306		
190.0	190.0	182.0	182.0	3.0	3.0	89.52	1.7	199.9	199.9	193.9	6.03	33.146		
200.0	200.0	192.0	192.0	3.0	3.0	89.52	1.7	199.9	199.9	193.9	6.04	33.116		
285.0	285.0	277.0	277.0	3.0	3.1	89.52	1.7	199.9	199.9	193.8	6.10	32.770		
300.0	300.0	292.0	292.0	3.0	3.1	89.52	1.7	199.9	199.9	193.8	6.12	32.693		
380.0	380.0	372.0	372.0	3.0	3.2	89.52	1.7	199.9	199.9	193.7	6.21	32.212		
400.0	400.0	392.0	392.0	3.0	3.2	89.52	1.7	199.9	199.9	193.7	6.23	32.075		
475.0	475.0	467.0	467.0	3.0	3.3	89.52	1.7	199.9	199.9	193.6	6.35	31.506		
500.0	500.0	492.0	492.0	3.1	3.4	89.52	1.7	199.9	199.9	193.5	6.39	31.301		
570.0	570.0	562.0	562.0	3.1	3.5	89.52	1.7	199.9	199.9	193.4	6.51	30.690		
600.0	600.0	592.0	592.0	3.1	3.6	89.52	1.7	199.9	199.9	193.4	6.57	30.416		
665.0	665.0	657.0	657.0	3.1	3.7	89.52	1.7	199.9	199.9	193.2	6.71	29.800		
700.0	700.0	692.0	692.0	3.1	3.8	89.52	1.7	199.9	199.9	193.1	6.79	29.460		
760.0	760.0	752.0	752.0	3.1	3.9	89.52	1.7	199.9	199.9	193.0	6.93	28.866		
800.0	800.0	792.0	792.0	3.2	4.0	89.52	1.7	199.9	199.9	192.9	7.02	28.467		
855.0	855.0	847.0	847.0	3.2	4.1	89.52	1.7	199.9	199.9	192.8	7.16	27.914		
900.0	900.0	892.0	892.0	3.2	4.2	89.52	1.7	199.9	199.9	192.6	7.28	27.463		
950.0	950.0	942.0	942.0	3.2	4.4	89.52	1.7	199.9	199.9	192.5	7.41	26.963		
1,000.0	1,000.0	992.0	992.0	3.2	4.5	89.52	1.7	199.9	199.9	192.4	7.55	26.468		
1,045.0	1,045.0	1,037.0	1,037.0	3.3	4.6	89.52	1.7	199.9	199.9	192.2	7.68	26.027		
1,100.0	1,100.0	1,092.0	1,092.0	3.3	4.8	89.52	1.7	199.9	199.9	192.1	7.84	25.496		
1,140.0	1,140.0	1,132.0	1,132.0	3.3	4.9	89.52	1.7	199.9	199.9	192.0	7.96	25.115		
1,200.0	1,200.0	1,192.0	1,192.0	3.4	5.0	89.52	1.7	199.9	199.9	191.8	8.14	24.555		
1,235.0	1,235.0	1,227.0	1,227.0	3.4	5.1	89.52	1.7	199.9	199.9	191.7	8.25	24.235		
1,300.0	1,300.0	1,292.0	1,292.0	3.4	5.3	89.52	1.7	199.9	199.9	191.5	8.45	23.652		
1,330.0	1,330.0	1,322.0	1,322.0	3.4	5.4	89.52	1.7	199.9	199.9	191.4	8.55	23.389		
1,400.0	1,400.0	1,392.0	1,392.0	3.5	5.6	89.52	1.7	199.9	199.9	191.2	8.77	22.790		
1,425.0	1,425.0	1,417.0	1,417.0	3.5	5.7	89.52	1.7	199.9	199.9	191.1	8.85	22.580		
1,500.0	1,500.0	1,492.0	1,492.0	3.5	5.9	89.52	1.7	199.9	199.9	190.8	9.10	21.969		
1,520.0	1,520.0	1,512.0	1,512.0	3.6	6.0	89.52	1.7	199.9	199.9	190.8	9.17	21.809		
1,600.0	1,600.0	1,592.0	1,592.0	3.6	6.2	89.52	1.7	199.9	199.9	190.5	9.44	21.189		
1,615.0	1,615.0	1,607.0	1,607.0	3.6	6.3	89.52	1.7	199.9	199.9	190.4	9.49	21.076		
1,700.0	1,700.0	1,692.0	1,692.0	3.7	6.6	89.52	1.7	199.9	199.9	190.2	9.78	20.450		
1,710.0	1,710.0	1,702.0	1,702.0	3.7	6.6	89.52	1.7	199.9	199.9	190.1	9.81	20.379		
1,800.0	1,800.0	1,792.0	1,792.0	3.8	6.9	89.52	1.7	199.9	199.9	189.8	10.12	19.751		
1,805.0	1,805.0	1,797.0	1,797.0	3.8	6.9	89.52	1.7	199.9	199.9	189.8	10.14	19.717		
1,900.0	1,900.0	1,892.0	1,892.0	3.9	7.2	89.52	1.7	199.9	199.9	189.5	10.47	19.089		
1,995.0	1,995.0	1,987.0	1,987.0	3.9	7.5	89.52	1.7	199.9	199.9	189.1	10.81	18.492		
2,000.0	2,000.0	1,992.0	1,992.0	3.9	7.5	89.52	1.7	199.9	199.9	189.1	10.83	18.462 CC, ES		
2,090.0	2,090.0	2,082.0	2,082.0	4.1	7.8	104.91	1.7	199.9	200.3	189.1	11.14	17.973		
2,100.0	2,100.0	2,092.0	2,092.0	4.2	7.9	105.00	1.7	199.9	200.4	189.2	11.18	17.925		
2,185.0	2,184.9	2,176.9	2,176.9	4.7	8.2	106.14	1.7	199.9	201.5	190.0	11.49	17.530		
2,200.0	2,199.8	2,191.8	2,191.8	4.8	8.2	106.40	1.7	199.9	201.8	190.2	11.55	17.469		
2,250.0	2,249.7	2,241.7	2,241.7	4.9	8.4	107.44	1.7	199.9	202.9	191.2	11.75	17.264		
2,280.0	2,279.6	2,271.6	2,271.6	5.0	8.5	108.14	1.7	199.9	203.7	191.9	11.88	17.145		
2,300.0	2,299.5	2,291.5	2,291.5	5.0	8.5	108.60	1.7	199.9	204.3	192.3	11.97	17.068		
2,375.0	2,374.2	2,366.2	2,366.2	5.1	8.8	110.32	1.7	199.9	206.5	194.2	12.32	16.759		
2,400.0	2,399.1	2,391.1	2,391.1	5.1	8.9	110.88	1.7	199.9	207.2	194.8	12.44	16.662		
2,470.0	2,468.8	2,460.8	2,460.8	5.2	9.1	112.44	1.7	199.9	209.5	196.7	12.79	16.376		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #701H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Distance	Rule Assigned:							
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)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,498.7	2,490.7	2,490.7	5.3	9.2	113.09	1.7	199.9	210.5	197.6	12.95	16.260	
2,535.0	2,533.6	2,524.0	2,524.0	5.3	9.3	113.80	1.7	200.0	211.8	198.7	13.12	16.145	
2,565.0	2,563.5	2,552.0	2,552.0	5.3	9.4	121.06	1.8	200.4	213.4	200.1	13.28	16.072	
2,600.0	2,598.4	2,584.7	2,584.7	5.4	9.5	129.87	2.0	201.1	215.8	202.4	13.46	16.038 SF	
2,660.0	2,658.2	2,640.6	2,640.5	5.6	9.7	144.96	2.7	203.2	221.6	207.8	13.79	16.065	
2,700.0	2,698.0	2,677.7	2,677.6	5.8	9.8	154.27	3.2	205.2	226.4	212.4	14.01	16.166	
2,755.0	2,752.8	2,728.5	2,728.2	6.1	10.0	165.36	4.3	208.6	234.6	220.3	14.28	16.423	
2,800.0	2,797.6	2,769.7	2,769.3	6.4	10.1	172.77	5.3	212.1	242.4	227.9	14.51	16.708	
2,850.0	2,847.3	2,816.4	2,815.7	6.6	10.3	179.37	6.7	216.6	252.3	237.4	14.82	17.019	
2,900.0	2,896.9	2,865.2	2,864.3	6.9	10.5	-175.48	8.1	221.5	262.9	247.8	15.15	17.360	
2,945.0	2,941.5	2,908.9	2,907.8	7.0	10.6	-171.81	9.5	225.9	273.1	257.5	15.57	17.541	
3,000.0	2,995.9	2,962.2	2,960.8	7.2	10.8	-168.31	11.1	231.2	286.2	270.1	16.04	17.839	
3,040.0	3,035.4	3,000.8	2,999.2	7.4	10.9	-166.31	12.2	235.1	296.2	279.8	16.42	18.046	
3,100.0	3,094.4	3,058.4	3,056.5	7.5	11.1	-163.96	14.0	240.8	312.1	295.1	16.98	18.380	
3,135.0	3,128.8	3,091.9	3,089.8	7.6	11.2	-162.88	15.0	244.2	321.8	304.6	17.19	18.714	
3,144.0	3,137.6	3,100.5	3,098.3	7.6	11.2	-162.63	15.2	245.0	324.3	307.1	17.25	18.801	
3,200.0	3,192.5	3,153.9	3,151.4	7.7	11.4	-163.57	16.8	250.4	340.3	322.8	17.56	19.384	
3,230.0	3,221.9	3,182.5	3,179.9	7.8	11.5	-164.04	17.7	253.2	348.9	331.2	17.73	19.684	
3,300.0	3,290.5	3,249.3	3,246.3	8.0	11.8	-165.05	19.7	259.9	369.0	350.9	18.12	20.364	
3,325.0	3,315.0	3,273.1	3,270.0	8.0	11.8	-165.38	20.4	262.3	376.3	358.0	18.27	20.594	
3,400.0	3,388.5	3,344.7	3,341.1	8.2	12.1	-166.31	22.6	269.5	398.0	379.2	18.72	21.261	
3,420.0	3,408.1	3,363.8	3,360.1	8.2	12.1	-166.54	23.1	271.4	403.8	384.9	18.84	21.433	
3,500.0	3,486.5	3,440.1	3,436.0	8.4	12.4	-167.40	25.4	279.0	427.0	407.7	19.32	22.097	
3,515.0	3,501.2	3,454.4	3,450.2	8.5	12.5	-167.55	25.9	280.5	431.4	412.0	19.42	22.218	
3,600.0	3,584.4	3,535.4	3,530.9	8.7	12.7	-168.36	28.3	288.6	456.2	436.3	19.94	22.878	
3,610.0	3,594.2	3,545.0	3,540.4	8.7	12.8	-168.45	28.6	289.5	459.2	439.2	20.00	22.952	
3,700.0	3,682.4	3,630.8	3,625.7	9.0	13.1	-169.20	31.2	298.1	485.5	465.0	20.57	23.606	
3,705.0	3,687.3	3,635.6	3,630.5	9.0	13.1	-169.24	31.3	298.6	487.0	466.4	20.60	23.641	
3,800.0	3,780.4	3,726.2	3,720.6	9.2	13.4	-169.94	34.0	307.7	514.9	493.7	21.20	24.287	
3,895.0	3,873.5	3,816.8	3,810.7	9.5	13.7	-170.57	36.8	316.7	542.9	521.1	21.81	24.892	
3,900.0	3,878.4	3,821.6	3,815.4	9.5	13.7	-170.61	36.9	317.2	544.4	522.5	21.84	24.923	
3,990.0	3,966.6	3,907.4	3,900.8	9.8	14.0	-171.14	39.5	325.8	570.9	548.5	22.42	25.462	
4,000.0	3,976.4	3,917.0	3,910.3	9.8	14.1	-171.20	39.8	326.8	573.9	551.4	22.49	25.520	
4,085.0	4,059.7	3,998.0	3,990.9	10.1	14.3	-171.66	42.2	334.9	599.0	576.0	23.04	25.998	
4,100.0	4,074.4	4,012.4	4,005.2	10.1	14.4	-171.74	42.7	336.3	603.5	580.3	23.14	26.080	
4,180.0	4,152.8	4,088.7	4,081.1	10.4	14.7	-172.13	44.9	344.0	627.1	603.5	23.66	26.502	
4,200.0	4,172.4	4,107.7	4,100.0	10.4	14.7	-172.23	45.5	345.9	633.1	609.3	23.79	26.605	
4,275.0	4,245.9	4,179.3	4,171.2	10.7	15.0	-172.56	47.7	353.0	655.3	631.0	24.29	26.978	
4,300.0	4,270.4	4,203.1	4,194.9	10.7	15.1	-172.67	48.4	355.4	662.7	638.3	24.46	27.099	
4,370.0	4,339.0	4,269.9	4,261.3	11.0	15.3	-172.96	50.4	362.1	683.5	658.6	24.92	27.427	
4,400.0	4,368.4	4,298.5	4,289.7	11.1	15.4	-173.08	51.3	365.0	692.4	667.3	25.12	27.564	
4,465.0	4,432.1	4,360.5	4,351.4	11.3	15.6	-173.32	53.1	371.2	711.7	686.2	25.55	27.852	
4,500.0	4,466.4	4,393.9	4,384.6	11.4	15.7	-173.45	54.1	374.5	722.1	696.3	25.79	28.003	
4,560.0	4,525.2	4,451.1	4,441.5	11.6	15.9	-173.66	55.9	380.2	739.9	713.8	26.19	28.254	
4,600.0	4,564.4	4,489.3	4,479.5	11.7	16.1	-173.79	57.0	384.1	751.8	725.4	26.46	28.417	
4,655.0	4,618.3	4,541.7	4,531.6	11.9	16.3	-173.97	58.6	389.3	768.2	741.4	26.83	28.635	
4,700.0	4,662.4	4,584.7	4,574.3	12.0	16.4	-174.11	59.9	393.6	781.6	754.5	27.13	28.808	
4,750.0	4,711.4	4,632.3	4,621.8	12.2	16.6	-174.26	61.3	398.4	796.5	769.0	27.47	28.996	
4,800.0	4,760.4	4,680.0	4,669.2	12.4	16.7	-174.41	62.7	403.2	811.4	783.6	27.81	29.178	
4,845.0	4,804.4	4,723.0	4,711.9	12.5	16.9	-174.53	64.0	407.4	824.8	796.7	28.11	29.338	
4,900.0	4,858.3	4,775.4	4,764.0	12.7	17.1	-174.68	65.6	412.7	841.2	812.7	28.49	29.529	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #701H - OWB - PWP3													Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	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)	Separation (usft)			
4,940.0	4,897.5	4,813.6	4,802.0	12.8	17.2	-174.78	66.8	416.5	853.1	824.3	28.76	29.664		
5,000.0	4,956.3	4,870.8	4,858.9	13.1	17.4	-174.93	68.5	422.2	871.0	841.8	29.17	29.861		
5,035.0	4,990.6	4,904.2	4,892.1	13.2	17.5	-175.02	69.5	425.6	881.4	852.0	29.41	29.974		
5,100.0	5,054.3	4,966.2	4,953.8	13.4	17.8	-175.17	71.3	431.8	900.8	871.0	29.85	30.177		
5,130.0	5,083.7	4,994.8	4,982.2	13.5	17.9	-175.24	72.2	434.7	909.8	879.7	30.06	30.269		
5,200.0	5,152.3	5,061.6	5,048.6	13.7	18.1	-175.39	74.2	441.3	930.7	900.1	30.54	30.477		
5,225.0	5,176.8	5,085.4	5,072.3	13.8	18.2	-175.45	74.9	443.7	938.1	907.4	30.71	30.550		
5,300.0	5,250.3	5,156.9	5,143.5	14.1	18.4	-175.60	77.1	450.9	960.5	929.3	31.22	30.763		
5,320.0	5,269.9	5,176.0	5,162.5	14.2	18.5	-175.64	77.7	452.8	966.5	935.1	31.36	30.818		
5,400.0	5,348.3	5,252.3	5,238.3	14.4	18.8	-175.80	80.0	460.4	990.4	958.5	31.91	31.035		
5,415.0	5,363.0	5,266.6	5,252.6	14.5	18.8	-175.83	80.4	461.9	994.9	962.9	32.02	31.074		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #702H - OWB - PWP4													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10280-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
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)	Between Ellipses (usft)	Separation (usft)			
0.0	0.0	0.0	0.0	3.0	3.0	89.52	1.4	170.0	170.1					
95.0	95.0	88.0	88.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.00	28.327		
100.0	100.0	93.0	93.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.00	28.327		
190.0	190.0	183.0	183.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.00	28.316		
200.0	200.0	193.0	193.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.00	28.314		
285.0	285.0	278.0	278.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.01	28.292		
300.0	300.0	293.0	293.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.01	28.287		
380.0	380.0	373.0	373.0	3.0	3.0	89.52	1.4	170.0	170.0	164.0	6.02	28.253		
400.0	400.0	393.0	393.0	3.0	3.0	89.52	1.4	170.0	170.0	163.9	6.02	28.244		
475.0	475.0	468.0	468.0	3.0	3.0	89.52	1.4	170.0	170.0	163.9	6.03	28.202		
500.0	500.0	493.0	493.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.03	28.186		
570.0	570.0	563.0	563.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.04	28.136		
600.0	600.0	593.0	593.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.05	28.113		
665.0	665.0	658.0	658.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.06	28.058		
700.0	700.0	693.0	693.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.06	28.026		
760.0	760.0	753.0	753.0	3.1	3.1	89.52	1.4	170.0	170.0	163.9	6.08	27.968		
800.0	800.0	793.0	793.0	3.2	3.2	89.52	1.4	170.0	170.0	163.9	6.09	27.926		
855.0	855.0	848.0	848.0	3.2	3.2	89.52	1.4	170.0	170.0	163.9	6.10	27.864		
900.0	900.0	893.0	893.0	3.2	3.2	89.52	1.4	170.0	170.0	163.9	6.11	27.811		
950.0	950.0	943.0	943.0	3.2	3.2	89.52	1.4	170.0	170.0	163.8	6.13	27.749		
1,000.0	1,000.0	993.0	993.0	3.2	3.2	89.52	1.4	170.0	170.0	163.8	6.14	27.684		
1,045.0	1,045.0	1,038.0	1,038.0	3.3	3.3	89.52	1.4	170.0	170.0	163.8	6.15	27.623		
1,100.0	1,100.0	1,093.0	1,093.0	3.3	3.3	89.52	1.4	170.0	170.0	163.8	6.17	27.545		
1,140.0	1,140.0	1,133.0	1,133.0	3.3	3.3	89.52	1.4	170.0	170.0	163.8	6.18	27.486		
1,200.0	1,200.0	1,193.0	1,193.0	3.4	3.3	89.52	1.4	170.0	170.0	163.8	6.20	27.393		
1,235.0	1,235.0	1,228.0	1,228.0	3.4	3.4	89.52	1.4	170.0	170.0	163.7	6.22	27.338		
1,300.0	1,300.0	1,293.0	1,293.0	3.4	3.4	89.52	1.4	170.0	170.0	163.7	6.24	27.231		
1,330.0	1,330.0	1,323.0	1,323.0	3.4	3.4	89.52	1.4	170.0	170.0	163.7	6.25	27.180		
1,400.0	1,400.0	1,393.0	1,393.0	3.5	3.5	89.52	1.4	170.0	170.0	163.7	6.28	27.058		
1,425.0	1,425.0	1,418.0	1,418.0	3.5	3.5	89.52	1.4	170.0	170.0	163.7	6.29	27.013		
1,500.0	1,500.0	1,493.0	1,493.0	3.5	3.5	89.52	1.4	170.0	170.0	163.6	6.32	26.875		
1,520.0	1,520.0	1,513.0	1,513.0	3.6	3.6	89.52	1.4	170.0	170.0	163.6	6.33	26.837		
1,600.0	1,600.0	1,593.0	1,593.0	3.6	3.6	89.52	1.4	170.0	170.0	163.6	6.37	26.683		
1,615.0	1,615.0	1,608.0	1,608.0	3.6	3.6	89.52	1.4	170.0	170.0	163.6	6.38	26.653		
1,700.0	1,700.0	1,693.0	1,693.0	3.7	3.7	89.52	1.4	170.0	170.0	163.5	6.42	26.482		
1,710.0	1,710.0	1,703.0	1,703.0	3.7	3.7	89.52	1.4	170.0	170.0	163.5	6.42	26.462		
1,800.0	1,800.0	1,793.0	1,793.0	3.8	3.8	89.52	1.4	170.0	170.0	163.5	6.47	26.274		
1,805.0	1,805.0	1,798.0	1,798.0	3.8	3.8	89.52	1.4	170.0	170.0	163.5	6.47	26.263		
1,900.0	1,900.0	1,893.0	1,893.0	3.9	3.8	89.52	1.4	170.0	170.0	163.4	6.52	26.059		
1,995.0	1,995.0	1,988.0	1,988.0	3.9	3.9	89.52	1.4	170.0	170.0	163.4	6.58	25.848		
2,000.0	2,000.0	1,993.0	1,993.0	3.9	3.9	89.52	1.4	170.0	170.0	163.4	6.58	25.837 CC, ES		
2,090.0	2,090.0	2,083.0	2,083.0	4.1	4.0	104.97	1.4	170.0	170.3	163.7	6.62	25.721		
2,100.0	2,100.0	2,093.0	2,093.0	4.2	4.0	105.08	1.4	170.0	170.4	163.8	6.63	25.715		
2,185.0	2,184.9	2,177.9	2,177.9	4.7	4.1	106.42	1.4	170.0	171.6	164.9	6.69	25.653		
2,200.0	2,199.8	2,192.8	2,192.8	4.8	4.1	106.73	1.4	170.0	171.8	165.1	6.70	25.651		
2,250.0	2,249.7	2,242.7	2,242.7	4.9	4.2	107.95	1.4	170.0	173.0	166.3	6.75	25.615		
2,280.0	2,279.6	2,272.6	2,272.6	5.0	4.2	108.77	1.4	170.0	173.8	167.1	6.79	25.585		
2,300.0	2,299.5	2,292.5	2,292.5	5.0	4.2	109.31	1.4	170.0	174.4	167.6	6.82	25.564		
2,375.0	2,374.2	2,367.2	2,367.2	5.1	4.3	111.30	1.4	170.0	176.7	169.7	6.96	25.399		
2,400.0	2,399.1	2,392.1	2,392.1	5.1	4.3	111.96	1.4	170.0	177.5	170.5	7.00	25.348		
2,470.0	2,468.8	2,461.8	2,461.8	5.2	4.4	113.75	1.4	170.0	179.9	172.7	7.16	25.129		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #702H - OWB - PWP4												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10280-MWD+IFR1+FDIR												Offset Well Error:	3.0 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)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,498.7	2,491.7	2,491.7	5.3	4.4	114.51	1.4	170.0	180.9	173.7	7.23	25.039	
2,535.0	2,533.6	2,526.0	2,526.0	5.3	4.4	115.33	1.5	170.0	182.3	175.0	7.31	24.940	
2,565.0	2,563.5	2,555.3	2,555.3	5.3	4.4	122.62	1.9	170.2	183.7	176.3	7.39	24.870	
2,600.0	2,598.4	2,589.5	2,589.5	5.4	4.5	131.38	2.6	170.7	185.7	178.2	7.47	24.854 SF	
2,660.0	2,658.2	2,648.1	2,648.1	5.6	4.5	146.16	4.7	171.9	190.2	182.6	7.64	24.892	
2,700.0	2,698.0	2,687.1	2,687.0	5.8	4.6	155.13	6.7	173.0	193.9	186.2	7.75	25.032	
2,755.0	2,752.8	2,741.5	2,741.3	6.1	4.6	165.64	10.0	174.9	199.8	191.9	7.87	25.380	
2,800.0	2,797.6	2,786.1	2,785.8	6.4	4.7	172.63	12.7	176.5	205.2	197.2	7.98	25.722	
2,850.0	2,847.3	2,835.6	2,835.1	6.6	4.7	178.81	15.7	178.2	211.8	203.7	8.16	25.963	
2,900.0	2,896.9	2,885.0	2,884.4	6.9	4.7	-176.42	18.6	179.9	219.1	210.8	8.33	26.297	
2,945.0	2,941.5	2,929.3	2,928.5	7.0	4.8	-173.10	21.3	181.4	226.3	217.6	8.62	26.251	
3,000.0	2,995.9	2,983.2	2,982.4	7.2	4.8	-170.04	24.6	183.3	235.8	226.8	8.93	26.396	
3,040.0	3,035.4	3,022.4	3,021.4	7.4	4.9	-168.35	26.9	184.7	243.2	234.0	9.19	26.474	
3,100.0	3,094.4	3,080.8	3,079.7	7.5	4.9	-166.47	30.5	186.7	255.3	245.7	9.58	26.649	
3,135.0	3,128.8	3,114.8	3,113.6	7.6	5.0	-165.66	32.5	187.9	262.8	253.1	9.70	27.104	
3,144.0	3,137.6	3,123.5	3,122.3	7.6	5.0	-165.48	33.1	188.2	264.8	255.1	9.73	27.225	
3,200.0	3,192.5	3,177.8	3,176.4	7.7	5.0	-166.77	36.3	190.1	277.5	267.6	9.88	28.078	
3,230.0	3,221.9	3,206.8	3,205.4	7.8	5.0	-167.42	38.1	191.1	284.3	274.3	9.97	28.513	
3,300.0	3,290.5	3,274.6	3,273.0	8.0	5.1	-168.81	42.2	193.5	300.3	290.1	10.18	29.495	
3,325.0	3,315.0	3,298.8	3,297.2	8.0	5.1	-169.27	43.7	194.3	306.0	295.7	10.26	29.819	
3,400.0	3,388.5	3,371.4	3,369.6	8.2	5.2	-170.56	48.0	196.9	323.4	312.9	10.51	30.756	
3,420.0	3,408.1	3,390.8	3,389.0	8.2	5.2	-170.88	49.2	197.5	328.0	317.4	10.58	30.995	
3,500.0	3,486.5	3,468.3	3,466.3	8.4	5.3	-172.07	53.9	200.2	346.7	335.9	10.86	31.916	
3,515.0	3,501.2	3,482.8	3,480.7	8.5	5.3	-172.28	54.8	200.7	350.3	339.3	10.92	32.081	
3,600.0	3,584.4	3,565.1	3,562.9	8.7	5.4	-173.40	59.7	203.6	370.3	359.1	11.23	32.983	
3,610.0	3,594.2	3,574.8	3,572.5	8.7	5.4	-173.52	60.3	204.0	372.7	361.4	11.26	33.085	
3,700.0	3,682.4	3,662.0	3,659.5	9.0	5.5	-174.57	65.6	207.0	394.0	382.4	11.60	33.966	
3,705.0	3,687.3	3,666.8	3,664.3	9.0	5.5	-174.62	65.9	207.2	395.2	383.6	11.62	34.013	
3,800.0	3,780.4	3,758.8	3,756.1	9.2	5.6	-175.60	71.4	210.4	417.9	405.9	11.98	34.872	
3,895.0	3,873.5	3,850.8	3,847.9	9.5	5.7	-176.48	77.0	213.6	440.7	428.3	12.36	35.668	
3,900.0	3,878.4	3,855.7	3,852.7	9.5	5.7	-176.53	77.3	213.7	441.9	429.5	12.38	35.709	
3,990.0	3,966.6	3,942.8	3,939.6	9.8	5.8	-177.27	82.6	216.8	463.6	450.8	12.73	36.407	
4,000.0	3,976.4	3,952.5	3,949.3	9.8	5.8	-177.35	83.1	217.1	466.0	453.2	12.77	36.481	
4,085.0	4,059.7	4,034.8	4,031.4	10.1	5.9	-177.99	88.1	220.0	486.5	473.4	13.12	37.092	
4,100.0	4,074.4	4,049.4	4,045.9	10.1	5.9	-178.10	89.0	220.5	490.1	477.0	13.18	37.196	
4,180.0	4,152.8	4,126.8	4,123.2	10.4	6.0	-178.65	93.7	223.2	509.5	496.0	13.50	37.730	
4,200.0	4,172.4	4,146.2	4,142.5	10.4	6.0	-178.78	94.8	223.9	514.4	500.8	13.59	37.859	
4,275.0	4,245.9	4,218.9	4,215.0	10.7	6.1	-179.25	99.2	226.4	532.6	518.7	13.90	38.324	
4,300.0	4,270.4	4,243.1	4,239.1	10.7	6.1	-179.40	100.7	227.3	538.7	524.7	14.00	38.473	
4,370.0	4,339.0	4,310.9	4,306.8	11.0	6.2	-179.79	104.8	229.6	555.7	541.4	14.29	38.877	
4,400.0	4,368.4	4,339.9	4,335.8	11.1	6.2	-179.96	106.5	230.6	563.0	548.6	14.42	39.044	
4,465.0	4,432.1	4,402.9	4,398.5	11.3	6.3	179.70	110.4	232.8	578.9	564.2	14.70	39.394	
4,500.0	4,466.4	4,436.8	4,432.4	11.4	6.3	179.52	112.4	234.0	587.4	572.6	14.84	39.576	
4,560.0	4,525.2	4,494.9	4,490.3	11.6	6.4	179.23	115.9	236.0	602.1	587.0	15.10	39.876	
4,600.0	4,564.4	4,533.6	4,529.0	11.7	6.4	179.05	118.2	237.4	611.9	596.6	15.27	40.070	
4,655.0	4,618.3	4,586.9	4,582.1	11.9	6.5	178.80	121.5	239.2	625.3	609.8	15.51	40.328	
4,700.0	4,662.4	4,630.4	4,625.6	12.0	6.5	178.61	124.1	240.8	636.4	620.7	15.70	40.532	
4,750.0	4,711.4	4,678.9	4,673.9	12.2	6.6	178.40	127.0	242.5	648.6	632.7	15.92	40.751	
4,800.0	4,760.4	4,728.1	4,723.0	12.4	6.6	178.20	130.0	244.2	660.9	644.7	16.14	40.956	
4,845.0	4,804.4	4,775.5	4,770.3	12.5	6.7	178.03	132.6	245.7	671.7	655.4	16.34	41.103	
4,900.0	4,858.3	4,833.6	4,828.3	12.7	6.8	177.86	135.4	247.3	684.7	668.1	16.59	41.259	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #702H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10280-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
4,940.0	4,897.5	4,876.0	4,870.7	12.8	6.8	177.77	137.0	248.2	693.9	677.1	16.78	41.355
5,000.0	4,956.3	4,939.8	4,934.4	13.1	6.9	177.67	139.1	249.4	707.3	690.2	17.05	41.474
5,035.0	4,990.6	4,977.1	4,971.7	13.2	6.9	177.63	139.9	249.9	714.9	697.7	17.21	41.530
5,100.0	5,054.3	5,046.6	5,041.2	13.4	7.0	177.60	141.1	250.6	728.6	711.1	17.51	41.607
5,130.0	5,083.7	5,078.8	5,073.4	13.5	7.0	177.61	141.3	250.7	734.8	717.2	17.65	41.631
5,200.0	5,152.3	5,150.7	5,145.3	13.7	7.1	177.65	141.4	250.8	748.8	730.9	17.95	41.710
5,225.0	5,176.8	5,175.2	5,169.8	13.8	7.2	177.66	141.4	250.8	753.8	735.8	18.06	41.748
5,300.0	5,250.3	5,248.7	5,243.3	14.1	7.2	177.71	141.4	250.8	768.8	750.4	18.37	41.859
5,320.0	5,269.9	5,268.3	5,262.9	14.2	7.3	177.72	141.4	250.8	772.7	754.3	18.45	41.887
5,400.0	5,348.3	5,346.7	5,341.3	14.4	7.4	177.77	141.4	250.8	788.7	769.9	18.78	41.998
5,415.0	5,363.0	5,361.4	5,356.0	14.5	7.4	177.77	141.4	250.8	791.7	772.8	18.84	42.017
5,500.0	5,446.3	5,444.7	5,439.3	14.8	7.5	177.82	141.4	250.8	808.6	789.4	19.19	42.127
5,510.0	5,456.1	5,454.5	5,449.1	14.8	7.5	177.83	141.4	250.8	810.6	791.4	19.24	42.139
5,600.0	5,544.3	5,542.7	5,537.3	15.1	7.6	177.87	141.4	250.8	828.5	808.9	19.61	42.247
5,605.0	5,549.2	5,547.6	5,542.2	15.2	7.6	177.88	141.4	250.8	829.5	809.9	19.63	42.253
5,700.0	5,642.3	5,640.7	5,635.3	15.5	7.7	177.92	141.4	250.8	848.5	828.4	20.03	42.360
5,795.0	5,735.4	5,733.8	5,728.4	15.8	7.8	177.97	141.4	250.8	867.4	847.0	20.43	42.460
5,800.0	5,740.3	5,738.7	5,733.3	15.9	7.8	177.97	141.4	250.8	868.4	847.9	20.45	42.465
5,890.0	5,828.5	5,826.9	5,821.5	16.2	7.9	178.01	141.4	250.8	886.3	865.5	20.83	42.554
5,900.0	5,838.3	5,836.7	5,831.3	16.2	7.9	178.02	141.4	250.8	888.3	867.4	20.87	42.564
5,985.0	5,921.6	5,920.0	5,914.6	16.5	8.0	178.05	141.4	250.8	905.2	884.0	21.23	42.643
6,000.0	5,936.3	5,934.7	5,929.3	16.6	8.1	178.06	141.4	250.8	908.2	886.9	21.29	42.656
6,080.0	6,014.7	6,013.1	6,007.7	16.9	8.2	178.09	141.4	250.8	924.2	902.5	21.63	42.726
6,100.0	6,034.2	6,032.7	6,027.2	16.9	8.2	178.10	141.4	250.8	928.2	906.4	21.72	42.743
6,175.0	6,107.7	6,106.1	6,100.7	17.2	8.3	178.13	141.4	250.8	943.1	921.1	22.03	42.804
6,200.0	6,132.2	6,130.6	6,125.2	17.3	8.3	178.14	141.4	250.8	948.1	926.0	22.14	42.824
6,270.0	6,200.8	6,199.2	6,193.8	17.6	8.4	178.17	141.4	250.8	962.0	939.6	22.44	42.878
6,300.0	6,230.2	6,228.6	6,223.2	17.7	8.4	178.18	141.4	250.8	968.0	945.5	22.56	42.901
6,365.0	6,293.9	6,292.3	6,286.9	17.9	8.5	178.20	141.4	250.8	981.0	958.1	22.84	42.948
6,400.0	6,328.2	6,326.6	6,321.2	18.0	8.5	178.22	141.4	250.8	988.0	965.0	22.99	42.973
6,460.0	6,387.0	6,385.4	6,380.0	18.3	8.6	178.24	141.4	250.8	999.9	976.7	23.25	43.014

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR												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		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)												
0.0	0.0	0.0	0.0	3.0	3.0	89.51	1.2	140.0	140.3				
95.0	95.0	86.0	86.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.00	23.339	
100.0	100.0	91.0	91.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.00	23.338	
190.0	190.0	181.0	181.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.00	23.330	
200.0	200.0	191.0	191.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.00	23.328	
285.0	285.0	276.0	276.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.01	23.310	
300.0	300.0	291.0	291.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.01	23.305	
380.0	380.0	371.0	371.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.02	23.278	
400.0	400.0	391.0	391.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.02	23.270	
475.0	475.0	466.0	466.0	3.0	3.0	89.51	1.2	140.0	140.0	134.0	6.03	23.236	
500.0	500.0	491.0	491.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.03	23.222	
570.0	570.0	561.0	561.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.04	23.182	
600.0	600.0	591.0	591.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.05	23.163	
665.0	665.0	656.0	656.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.06	23.118	
700.0	700.0	691.0	691.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.06	23.091	
760.0	760.0	751.0	751.0	3.1	3.1	89.51	1.2	140.0	140.0	134.0	6.08	23.043	
800.0	800.0	791.0	791.0	3.2	3.1	89.51	1.2	140.0	140.0	133.9	6.09	23.008	
855.0	855.0	846.0	846.0	3.2	3.2	89.51	1.2	140.0	140.0	133.9	6.10	22.958	
900.0	900.0	891.0	891.0	3.2	3.2	89.51	1.2	140.0	140.0	133.9	6.11	22.914	
950.0	950.0	941.0	941.0	3.2	3.2	89.51	1.2	140.0	140.0	133.9	6.12	22.863	
1,000.0	1,000.0	991.0	991.0	3.2	3.2	89.51	1.2	140.0	140.0	133.9	6.14	22.810	
1,045.0	1,045.0	1,036.0	1,036.0	3.3	3.3	89.51	1.2	140.0	140.0	133.9	6.15	22.759	
1,100.0	1,100.0	1,091.0	1,091.0	3.3	3.3	89.51	1.2	140.0	140.0	133.9	6.17	22.695	
1,140.0	1,140.0	1,131.0	1,131.0	3.3	3.3	89.51	1.2	140.0	140.0	133.9	6.18	22.646	
1,200.0	1,200.0	1,191.0	1,191.0	3.4	3.3	89.51	1.2	140.0	140.0	133.8	6.20	22.570	
1,235.0	1,235.0	1,226.0	1,226.0	3.4	3.4	89.51	1.2	140.0	140.0	133.8	6.22	22.524	
1,300.0	1,300.0	1,291.0	1,291.0	3.4	3.4	89.51	1.2	140.0	140.0	133.8	6.24	22.436	
1,330.0	1,330.0	1,321.0	1,321.0	3.4	3.4	89.51	1.2	140.0	140.0	133.8	6.25	22.394	
1,400.0	1,400.0	1,391.0	1,391.0	3.5	3.5	89.51	1.2	140.0	140.0	133.8	6.28	22.294	
1,425.0	1,425.0	1,416.0	1,416.0	3.5	3.5	89.51	1.2	140.0	140.0	133.7	6.29	22.257	
1,500.0	1,500.0	1,491.0	1,491.0	3.5	3.5	89.51	1.2	140.0	140.0	133.7	6.32	22.143	
1,520.0	1,520.0	1,511.0	1,511.0	3.6	3.6	89.51	1.2	140.0	140.0	133.7	6.33	22.112	
1,600.0	1,600.0	1,591.0	1,591.0	3.6	3.6	89.51	1.2	140.0	140.0	133.7	6.37	21.985	
1,615.0	1,615.0	1,606.0	1,606.0	3.6	3.6	89.51	1.2	140.0	140.0	133.7	6.38	21.960	
1,700.0	1,700.0	1,691.0	1,691.0	3.7	3.7	89.51	1.2	140.0	140.0	133.6	6.42	21.820	
1,710.0	1,710.0	1,701.0	1,701.0	3.7	3.7	89.51	1.2	140.0	140.0	133.6	6.42	21.803	
1,800.0	1,800.0	1,791.0	1,791.0	3.8	3.8	89.51	1.2	140.0	140.0	133.6	6.47	21.648	
1,805.0	1,805.0	1,796.0	1,796.0	3.8	3.8	89.51	1.2	140.0	140.0	133.6	6.47	21.639	
1,900.0	1,900.0	1,891.0	1,891.0	3.9	3.8	89.51	1.2	140.0	140.0	133.5	6.52	21.471	
1,995.0	1,995.0	1,986.0	1,986.0	3.9	3.9	89.51	1.2	140.0	140.0	133.5	6.58	21.297	
2,000.0	2,000.0	1,991.0	1,991.0	3.9	3.9	89.51	1.2	140.0	140.0	133.5	6.58	21.288 CC, ES	
2,090.0	2,090.0	2,081.0	2,081.0	4.1	4.0	105.06	1.2	140.0	140.4	133.8	6.62	21.202	
2,100.0	2,100.0	2,091.0	2,091.0	4.2	4.0	105.19	1.2	140.0	140.5	133.9	6.63	21.199	
2,185.0	2,184.9	2,175.9	2,175.9	4.7	4.1	106.82	1.2	140.0	141.6	135.0	6.69	21.178	
2,200.0	2,199.8	2,190.8	2,190.8	4.8	4.1	107.20	1.2	140.0	141.9	135.2	6.70	21.183	
2,250.0	2,249.7	2,240.7	2,240.7	4.9	4.2	108.67	1.2	140.0	143.2	136.4	6.76	21.180	
2,280.0	2,279.6	2,270.6	2,270.6	5.0	4.2	109.66	1.2	140.0	144.0	137.2	6.80	21.175	
2,300.0	2,299.5	2,290.5	2,290.5	5.0	4.2	110.30	1.2	140.0	144.6	137.8	6.83	21.170	
2,375.0	2,374.2	2,365.2	2,365.2	5.1	4.3	112.69	1.2	140.0	147.0	140.0	6.97	21.084	
2,400.0	2,399.1	2,390.1	2,390.1	5.1	4.3	113.46	1.2	140.0	147.9	140.9	7.02	21.060	
2,470.0	2,468.8	2,459.8	2,459.8	5.2	4.4	115.59	1.2	140.0	150.4	143.2	7.19	20.932	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4													Offset Site Error: 3.0 usft		
Survey Program: Reference		0-Standard Keeper 104, 10092-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)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
2,500.0	2,498.7	2,489.7	2,489.7	5.3	4.4	116.48	1.2	140.0	151.6	144.3	7.26	20.881			
2,535.0	2,533.6	2,526.0	2,526.0	5.3	4.4	117.53	1.2	139.9	152.8	145.5	7.35	20.803			
2,565.0	2,563.5	2,557.5	2,557.5	5.3	4.4	125.07	1.4	139.5	153.8	146.3	7.43	20.686			
2,600.0	2,598.4	2,594.4	2,594.4	5.4	4.5	134.18	1.8	138.6	154.7	147.2	7.53	20.535			
2,660.0	2,658.2	2,657.7	2,657.6	5.6	4.5	149.66	3.0	136.1	156.0	148.3	7.73	20.192			
2,700.0	2,698.0	2,700.0	2,699.8	5.8	4.5	159.15	4.1	133.7	156.6	148.7	7.84	19.964			
2,755.0	2,752.8	2,757.7	2,757.3	6.1	4.6	170.39	6.0	129.5	157.1	149.1	8.00	19.644			
2,800.0	2,797.6	2,802.7	2,802.1	6.4	4.6	177.85	7.6	125.9	157.6	149.5	8.12	19.416			
2,850.0	2,847.3	2,852.6	2,851.9	6.6	4.6	-175.55	9.5	122.0	158.8	150.4	8.34	19.043			
2,900.0	2,896.9	2,902.6	2,901.7	6.9	4.7	-170.48	11.3	118.0	160.5	152.0	8.54	18.786			
2,945.0	2,941.5	2,947.5	2,946.4	7.0	4.7	-167.01	12.9	114.5	162.6	153.7	8.87	18.316			
3,000.0	2,995.9	3,002.3	3,001.0	7.2	4.7	-163.89	14.9	110.1	165.7	156.5	9.20	18.013			
3,040.0	3,035.4	3,042.1	3,040.7	7.4	4.8	-162.26	16.3	107.0	168.5	159.1	9.46	17.817			
3,100.0	3,094.4	3,101.8	3,100.1	7.5	4.8	-160.60	18.5	102.2	173.5	163.6	9.86	17.594			
3,135.0	3,128.8	3,136.5	3,134.7	7.6	4.8	-160.00	19.8	99.5	176.9	166.9	9.97	17.749			
3,144.0	3,137.6	3,145.4	3,143.5	7.6	4.8	-159.88	20.1	98.8	177.8	167.8	9.99	17.794			
3,200.0	3,192.5	3,200.8	3,198.8	7.7	4.9	-161.47	22.1	94.4	183.7	173.6	10.12	18.150			
3,230.0	3,221.9	3,230.6	3,228.4	7.8	4.9	-162.29	23.2	92.0	186.9	176.7	10.20	18.330			
3,300.0	3,290.5	3,299.9	3,297.5	8.0	4.9	-164.08	25.7	86.5	194.6	184.2	10.38	18.742			
3,325.0	3,315.0	3,324.6	3,322.1	8.0	5.0	-164.68	26.6	84.6	197.4	186.9	10.46	18.875			
3,400.0	3,388.5	3,398.9	3,396.1	8.2	5.0	-166.41	29.3	78.7	205.8	195.1	10.68	19.267			
3,420.0	3,408.1	3,418.7	3,415.9	8.2	5.0	-166.84	30.0	77.1	208.1	197.3	10.74	19.367			
3,500.0	3,486.5	3,498.0	3,494.8	8.4	5.1	-168.49	32.9	70.9	217.3	206.3	11.00	19.759			
3,515.0	3,501.2	3,512.8	3,509.6	8.5	5.1	-168.78	33.4	69.7	219.1	208.0	11.05	19.829			
3,600.0	3,584.4	3,597.0	3,593.4	8.7	5.2	-170.36	36.5	63.0	229.1	217.8	11.33	20.220			
3,610.0	3,594.2	3,606.9	3,603.3	8.7	5.2	-170.54	36.8	62.2	230.3	218.9	11.37	20.264			
3,700.0	3,682.4	3,696.0	3,692.1	9.0	5.3	-172.05	40.1	55.2	241.1	229.4	11.68	20.652			
3,705.0	3,687.3	3,701.0	3,697.0	9.0	5.3	-172.13	40.2	54.8	241.7	230.0	11.69	20.673			
3,800.0	3,780.4	3,795.1	3,790.8	9.2	5.3	-173.58	43.7	47.3	253.3	241.3	12.03	21.057			
3,895.0	3,873.5	3,889.1	3,884.5	9.5	5.4	-174.91	47.1	39.9	265.0	252.7	12.38	21.417			
3,900.0	3,878.4	3,894.1	3,889.4	9.5	5.4	-174.97	47.3	39.5	265.7	253.3	12.39	21.436			
3,990.0	3,966.6	3,983.2	3,978.2	9.8	5.5	-176.11	50.5	32.4	276.9	264.2	12.73	21.757			
4,000.0	3,976.4	3,993.1	3,988.1	9.8	5.5	-176.24	50.9	31.6	278.2	265.4	12.76	21.791			
4,085.0	4,059.7	4,077.3	4,071.9	10.1	5.6	-177.23	53.9	24.9	288.9	275.8	13.09	22.076			
4,100.0	4,074.4	4,092.2	4,086.7	10.1	5.6	-177.39	54.4	23.8	290.8	277.6	13.14	22.125			
4,180.0	4,152.8	4,171.4	4,165.7	10.4	5.7	-178.25	57.3	17.5	300.9	287.5	13.45	22.376			
4,200.0	4,172.4	4,191.2	4,185.4	10.4	5.7	-178.45	58.0	15.9	303.5	290.0	13.53	22.437			
4,275.0	4,245.9	4,265.5	4,259.4	10.7	5.8	-179.19	60.7	10.0	313.1	299.3	13.82	22.659			
4,300.0	4,270.4	4,290.2	4,284.1	10.7	5.8	-179.43	61.6	8.1	316.3	302.4	13.92	22.731			
4,370.0	4,339.0	4,359.6	4,353.1	11.0	5.8	179.94	64.2	2.6	325.3	311.1	14.19	22.924			
4,400.0	4,368.4	4,389.3	4,382.7	11.1	5.9	179.68	65.2	0.2	329.2	314.9	14.31	23.006			
4,465.0	4,432.1	4,453.7	4,446.9	11.3	5.9	179.13	67.6	-4.9	337.6	323.1	14.57	23.175			
4,500.0	4,466.4	4,488.3	4,481.4	11.4	6.0	178.84	68.8	-7.6	342.2	327.5	14.71	23.264			
4,560.0	4,525.2	4,547.7	4,540.6	11.6	6.0	178.38	71.0	-12.3	350.0	335.1	14.95	23.411			
4,600.0	4,564.4	4,587.4	4,580.0	11.7	6.1	178.07	72.4	-15.5	355.2	340.1	15.11	23.506			
4,655.0	4,618.3	4,641.8	4,634.3	11.9	6.1	177.67	74.4	-19.8	362.4	347.1	15.34	23.633			
4,700.0	4,662.4	4,686.4	4,678.7	12.0	6.2	177.36	76.0	-23.3	368.3	352.8	15.52	23.734			
4,750.0	4,711.4	4,735.9	4,728.0	12.2	6.2	177.02	77.8	-27.2	374.9	359.2	15.72	23.842			
4,800.0	4,760.4	4,785.4	4,777.4	12.4	6.3	176.69	79.6	-31.2	381.5	365.6	15.93	23.948			
4,845.0	4,804.4	4,830.0	4,821.8	12.5	6.3	176.41	81.2	-34.7	387.4	371.3	16.12	24.039			
4,900.0	4,858.3	4,884.5	4,876.0	12.7	6.4	176.07	83.2	-39.0	394.7	378.3	16.34	24.149			

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-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		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,940.0	4,897.5	4,924.1	4,915.5	12.8	6.4	175.83	84.6	-42.1	400.0	383.5	16.51	24.226	
5,000.0	4,956.3	4,983.5	4,974.7	13.1	6.5	175.49	86.8	-46.9	407.9	391.2	16.76	24.338	
5,035.0	4,990.6	5,018.2	5,009.2	13.2	6.5	175.29	88.1	-49.6	412.6	395.7	16.91	24.401	
5,100.0	5,054.3	5,082.5	5,073.3	13.4	6.6	174.94	90.4	-54.7	421.2	404.0	17.18	24.516	
5,130.0	5,083.7	5,112.3	5,102.9	13.5	6.6	174.79	91.5	-57.1	425.2	407.9	17.31	24.567	
5,200.0	5,152.3	5,181.6	5,172.0	13.7	6.7	174.43	94.0	-62.6	434.5	416.9	17.60	24.683	
5,225.0	5,176.8	5,206.3	5,196.7	13.8	6.7	174.31	94.9	-64.5	437.9	420.1	17.71	24.723	
5,300.0	5,250.3	5,280.6	5,270.7	14.1	6.8	173.95	97.6	-70.4	447.9	429.8	18.03	24.841	
5,320.0	5,269.9	5,300.4	5,290.4	14.2	6.8	173.86	98.3	-72.0	450.5	432.4	18.11	24.871	
5,400.0	5,348.3	5,379.7	5,369.3	14.4	6.9	173.50	101.2	-78.2	461.2	442.8	18.46	24.989	
5,415.0	5,363.0	5,394.5	5,384.1	14.5	6.9	173.43	101.7	-79.4	463.3	444.7	18.52	25.011	
5,500.0	5,446.3	5,478.7	5,468.0	14.8	7.0	173.07	104.8	-86.1	474.6	455.8	18.89	25.129	
5,510.0	5,456.1	5,488.6	5,477.9	14.8	7.0	173.03	105.1	-86.9	476.0	457.1	18.93	25.143	
5,600.0	5,544.3	5,577.7	5,566.7	15.1	7.1	172.67	108.4	-93.9	488.1	468.8	19.32	25.262	
5,605.0	5,549.2	5,582.7	5,571.6	15.2	7.1	172.65	108.6	-94.3	488.7	469.4	19.34	25.268	
5,700.0	5,642.3	5,676.8	5,665.3	15.5	7.2	172.28	112.0	-101.8	501.5	481.8	19.76	25.386	
5,795.0	5,735.4	5,770.9	5,759.0	15.8	7.3	171.94	115.4	-109.2	514.3	494.2	20.17	25.498	
5,800.0	5,740.3	5,775.8	5,764.0	15.9	7.3	171.92	115.6	-109.6	515.0	494.8	20.19	25.504	
5,890.0	5,828.5	5,864.9	5,852.8	16.2	7.4	171.61	118.8	-116.7	527.1	506.5	20.59	25.604	
5,900.0	5,838.3	5,874.8	5,862.6	16.2	7.4	171.58	119.2	-117.5	528.5	507.9	20.63	25.615	
5,985.0	5,921.6	5,959.0	5,946.5	16.5	7.5	171.30	122.2	-124.2	540.0	519.0	21.01	25.704	
6,000.0	5,936.3	5,973.9	5,961.3	16.6	7.5	171.25	122.8	-125.3	542.0	520.9	21.07	25.720	
6,080.0	6,014.7	6,053.1	6,040.2	16.9	7.6	171.00	125.6	-131.6	552.8	531.4	21.43	25.799	
6,100.0	6,034.2	6,072.9	6,060.0	16.9	7.6	170.94	126.3	-133.2	555.5	534.0	21.52	25.819	
6,175.0	6,107.7	6,147.2	6,133.9	17.2	7.7	170.71	129.0	-139.1	565.7	543.8	21.85	25.889	
6,200.0	6,132.2	6,172.0	6,158.6	17.3	7.7	170.64	129.9	-141.0	569.1	547.1	21.96	25.912	
6,270.0	6,200.8	6,236.9	6,223.4	17.6	7.8	170.48	132.2	-145.9	578.8	556.5	22.26	26.001	
6,300.0	6,230.2	6,264.6	6,251.0	17.7	7.8	170.42	133.0	-147.8	583.1	560.7	22.39	26.046	
6,365.0	6,293.9	6,324.5	6,310.7	17.9	7.9	170.34	134.7	-151.4	592.9	570.2	22.67	26.157	
6,400.0	6,328.2	6,356.7	6,342.9	18.0	7.9	170.32	135.5	-153.1	598.3	575.5	22.82	26.226	
6,460.0	6,387.0	6,411.8	6,397.9	18.3	8.0	170.31	136.6	-155.7	608.0	584.9	23.07	26.354	
6,500.0	6,426.2	6,448.5	6,434.6	18.4	8.0	170.32	137.3	-157.1	614.7	591.4	23.24	26.448	
6,555.0	6,480.1	6,500.0	6,486.0	18.6	8.1	170.36	138.1	-158.7	624.1	600.7	23.48	26.582	
6,600.0	6,524.2	6,539.9	6,525.9	18.8	8.1	170.41	138.5	-159.7	632.1	608.5	23.67	26.708	
6,650.0	6,573.2	6,585.4	6,571.5	19.0	8.2	170.49	138.9	-160.6	641.3	617.4	23.88	26.851	
6,700.0	6,622.2	6,630.9	6,616.9	19.1	8.2	170.59	139.1	-161.0	650.7	626.6	24.09	27.010	
6,745.0	6,666.3	6,671.7	6,657.7	19.3	8.3	170.70	139.2	-161.2	659.4	635.1	24.28	27.162	
6,800.0	6,720.2	6,725.2	6,711.2	19.5	8.3	170.85	139.2	-161.2	670.2	645.7	24.51	27.350	
6,840.0	6,759.4	6,764.4	6,750.4	19.7	8.4	170.95	139.2	-161.2	678.1	653.4	24.67	27.485	
6,900.0	6,818.2	6,823.2	6,809.2	19.9	8.4	171.11	139.2	-161.2	689.9	665.0	24.92	27.683	
6,935.0	6,852.5	6,857.5	6,843.5	20.0	8.5	171.20	139.2	-161.2	696.8	671.8	25.07	27.797	
7,000.0	6,916.2	6,921.2	6,907.2	20.2	8.5	171.36	139.2	-161.2	709.6	684.3	25.34	28.004	
7,030.0	6,945.6	6,950.6	6,936.6	20.4	8.6	171.43	139.2	-161.2	715.6	690.1	25.47	28.098	
7,100.0	7,014.2	7,019.2	7,005.2	20.6	8.7	171.59	139.2	-161.2	729.4	703.6	25.76	28.315	
7,125.0	7,038.7	7,043.7	7,029.7	20.7	8.7	171.65	139.2	-161.2	734.3	708.4	25.86	28.390	
7,200.0	7,112.2	7,117.2	7,103.2	21.0	8.8	171.82	139.2	-161.2	749.1	722.9	26.18	28.615	
7,220.0	7,131.8	7,136.8	7,122.8	21.1	8.8	171.86	139.2	-161.2	753.1	726.8	26.26	28.673	
7,300.0	7,210.2	7,215.1	7,201.2	21.4	8.9	172.03	139.2	-161.2	768.9	742.3	26.60	28.905	
7,315.0	7,224.9	7,229.8	7,215.9	21.4	8.9	172.06	139.2	-161.2	771.8	745.2	26.66	28.947	
7,400.0	7,308.1	7,313.1	7,299.1	21.7	9.0	172.23	139.2	-161.2	788.6	761.6	27.02	29.186	
7,410.0	7,317.9	7,322.9	7,308.9	21.8	9.0	172.25	139.2	-161.2	790.6	763.5	27.06	29.213	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
7,500.0	7,406.1	7,411.1	7,397.1	22.1	9.1	172.42	139.2	-161.2	808.4	780.9	27.44	29.457
7,505.0	7,411.0	7,416.0	7,402.0	22.1	9.1	172.43	139.2	-161.2	809.4	781.9	27.46	29.471
7,600.0	7,504.1	7,509.1	7,495.1	22.5	9.2	172.60	139.2	-161.2	828.2	800.3	27.87	29.720
7,648.7	7,551.8	7,556.8	7,542.8	22.7	9.2	172.69	139.2	-161.2	837.8	809.7	28.07	29.848
7,695.0	7,597.3	7,602.3	7,588.3	22.8	9.3	172.79	139.2	-161.2	846.6	818.3	28.26	29.953
7,700.0	7,602.2	7,607.2	7,593.2	22.8	9.3	172.80	139.2	-161.2	847.5	819.2	28.28	29.963
7,790.0	7,691.0	7,695.9	7,682.0	23.2	9.4	172.96	139.2	-161.2	862.4	833.6	28.71	30.036
7,800.0	7,700.8	7,705.8	7,691.8	23.2	9.4	172.97	139.2	-161.2	863.8	835.1	28.76	30.038
7,885.0	7,785.1	7,790.1	7,776.1	23.6	9.5	173.09	139.2	-161.2	875.0	845.8	29.19	29.974
7,900.0	7,800.0	7,805.0	7,791.0	23.6	9.5	173.11	139.2	-161.2	876.7	847.5	29.27	29.954
7,980.0	7,879.6	7,884.6	7,870.6	23.9	9.6	173.19	139.2	-161.2	884.6	854.9	29.67	29.813
8,000.0	7,899.5	7,904.5	7,890.5	24.0	9.6	173.21	139.2	-161.2	886.2	856.4	29.77	29.767
8,075.0	7,974.4	7,979.4	7,965.4	24.3	9.7	173.25	139.2	-161.2	891.1	860.9	30.14	29.564
8,100.0	7,999.3	8,004.3	7,990.3	24.4	9.7	173.27	139.2	-161.2	892.2	862.0	30.26	29.483
8,170.0	8,069.3	8,074.3	8,060.3	24.7	9.8	173.29	139.2	-161.2	894.4	863.8	30.60	29.230
8,200.0	8,099.3	8,104.3	8,090.3	24.8	9.8	173.29	139.2	-161.2	894.8	864.0	30.74	29.106
8,223.7	8,123.0	8,128.0	8,114.0	24.9	9.9	72.58	139.2	-161.2	894.9	864.1	30.83	29.028
8,265.0	8,164.3	8,169.3	8,155.3	25.0	9.9	72.58	139.2	-161.2	894.9	863.9	30.98	28.890
8,300.0	8,199.3	8,204.3	8,190.3	25.1	9.9	72.58	139.2	-161.2	894.9	863.8	31.10	28.775
8,360.0	8,259.3	8,264.3	8,250.3	25.3	10.0	72.58	139.2	-161.2	894.9	863.6	31.32	28.575
8,400.0	8,299.3	8,304.3	8,290.3	25.4	10.1	72.58	139.2	-161.2	894.9	863.4	31.46	28.443
8,455.0	8,354.3	8,359.3	8,345.3	25.6	10.1	72.58	139.2	-161.2	894.9	863.2	31.66	28.262
8,500.0	8,399.3	8,404.3	8,390.3	25.7	10.2	72.58	139.2	-161.2	894.9	863.1	31.83	28.115
8,550.0	8,449.3	8,454.3	8,440.3	25.9	10.2	72.58	139.2	-161.2	894.9	862.9	32.01	27.954
8,600.0	8,499.3	8,504.3	8,490.3	26.0	10.3	72.58	139.2	-161.2	894.9	862.7	32.20	27.794
8,645.0	8,544.3	8,549.3	8,535.3	26.1	10.3	72.58	139.2	-161.2	894.9	862.5	32.36	27.651
8,700.0	8,599.3	8,604.3	8,590.3	26.3	10.4	72.58	139.2	-161.2	894.9	862.3	32.57	27.478
8,740.0	8,639.3	8,644.3	8,630.3	26.4	10.4	72.58	139.2	-161.2	894.9	862.2	32.72	27.353
8,800.0	8,699.3	8,704.3	8,690.3	26.6	10.5	72.58	139.2	-161.2	894.9	861.9	32.94	27.168
8,835.0	8,734.3	8,739.3	8,725.3	26.7	10.6	72.58	139.2	-161.2	894.9	861.8	33.07	27.061
8,900.0	8,799.3	8,804.3	8,790.3	26.9	10.6	72.58	139.2	-161.2	894.9	861.6	33.31	26.864
8,930.0	8,829.3	8,834.3	8,820.3	27.0	10.7	72.58	139.2	-161.2	894.9	861.5	33.42	26.773
9,000.0	8,899.3	8,904.3	8,890.3	27.2	10.7	72.58	139.2	-161.2	894.9	861.2	33.69	26.565
9,025.0	8,924.3	8,929.3	8,915.3	27.3	10.8	72.58	139.2	-161.2	894.9	861.1	33.78	26.491
9,100.0	8,999.3	9,004.3	8,990.3	27.5	10.9	72.58	139.2	-161.2	894.9	860.8	34.06	26.272
9,120.0	9,019.3	9,024.3	9,010.3	27.6	10.9	72.58	139.2	-161.2	894.9	860.7	34.14	26.214
9,200.0	9,099.3	9,104.3	9,090.3	27.8	11.0	72.58	139.2	-161.2	894.9	860.4	34.44	25.984
9,215.0	9,114.3	9,119.3	9,105.3	27.9	11.0	72.58	139.2	-161.2	894.9	860.4	34.50	25.941
9,300.0	9,199.3	9,204.3	9,190.3	28.2	11.1	72.58	139.2	-161.2	894.9	860.1	34.82	25.702
9,310.0	9,209.3	9,214.3	9,200.3	28.2	11.1	72.58	139.2	-161.2	894.9	860.0	34.86	25.674
9,400.0	9,299.3	9,304.3	9,290.3	28.5	11.2	72.58	139.2	-161.2	894.9	859.7	35.20	25.425
9,405.0	9,304.3	9,309.3	9,295.3	28.5	11.2	72.58	139.2	-161.2	894.9	859.7	35.22	25.411
9,500.0	9,399.3	9,404.3	9,390.3	28.8	11.3	72.58	139.2	-161.2	894.9	859.3	35.58	25.152
9,595.0	9,494.3	9,499.3	9,485.3	29.1	11.4	72.58	139.2	-161.2	894.9	858.9	35.94	24.898
9,600.0	9,499.3	9,504.3	9,490.3	29.1	11.4	72.58	139.2	-161.2	894.9	858.9	35.96	24.885
9,690.0	9,589.3	9,594.3	9,580.3	29.4	11.5	72.58	139.2	-161.2	894.9	858.6	36.31	24.649
9,700.0	9,599.3	9,604.3	9,590.3	29.4	11.6	72.58	139.2	-161.2	894.9	858.5	36.34	24.623
9,785.0	9,684.3	9,689.3	9,675.3	29.7	11.7	72.58	139.2	-161.2	894.9	858.2	36.67	24.403
9,800.0	9,699.3	9,704.3	9,690.3	29.7	11.7	72.58	139.2	-161.2	894.9	858.2	36.73	24.365
9,880.0	9,779.3	9,784.3	9,770.3	30.0	11.8	72.58	139.2	-161.2	894.9	857.8	37.04	24.162
9,900.0	9,799.3	9,804.3	9,790.3	30.0	11.8	72.58	139.2	-161.2	894.9	857.8	37.11	24.112

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning	
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)	Between Ellipses (usft)	Separation (usft)	Factor	
9,975.0	9,874.3	9,879.3	9,865.3	30.3	11.9	72.58	139.2	-161.2	894.9	857.5	37.40	23.925	
10,000.0	9,899.3	9,904.3	9,890.3	30.4	11.9	72.58	139.2	-161.2	894.9	857.4	37.50	23.864	
10,070.0	9,969.3	9,974.3	9,960.3	30.6	12.0	72.58	139.2	-161.2	894.9	857.1	37.77	23.692	
10,100.0	9,999.3	10,004.3	9,990.3	30.7	12.0	72.58	139.2	-161.2	894.9	857.0	37.89	23.620	
10,153.2	10,052.5	10,057.5	10,043.5	30.8	12.1	72.58	139.2	-161.2	894.9	856.9	38.01	23.546	
10,165.0	10,064.3	10,069.3	10,055.3	30.8	12.1	-103.98	139.2	-161.2	894.9	856.9	38.01	23.543	
10,175.0	10,074.3	10,079.3	10,065.3	30.8	12.1	-103.99	139.2	-161.2	895.0	857.0	38.02	23.542	
10,200.0	10,099.2	10,120.8	10,106.8	30.8	12.2	-104.05	137.6	-161.2	895.1	857.0	38.08	23.506	
10,225.0	10,124.0	10,186.8	10,172.0	30.8	12.2	-103.99	127.8	-161.1	894.7	856.4	38.28	23.374	
10,250.0	10,148.6	10,241.8	10,224.9	30.8	12.2	-103.78	112.8	-161.0	893.7	855.3	38.47	23.234	
10,260.0	10,158.4	10,263.5	10,245.2	30.8	12.2	-103.65	105.3	-161.0	893.2	854.7	38.55	23.171	
10,275.0	10,173.0	10,295.6	10,274.6	30.8	12.2	-103.43	92.4	-160.9	892.3	853.6	38.68	23.068	
10,300.0	10,197.0	10,347.6	10,320.2	30.8	12.3	-102.96	67.4	-160.8	890.4	851.5	38.91	22.885	
10,325.0	10,220.6	10,397.6	10,361.2	30.8	12.3	-102.40	38.9	-160.6	888.0	848.9	39.14	22.691	
10,350.0	10,243.8	10,445.3	10,397.4	30.8	12.3	-101.78	7.9	-160.4	885.4	846.0	39.36	22.494	
10,355.0	10,248.3	10,454.5	10,404.0	30.9	12.3	-101.65	1.5	-160.3	884.8	845.4	39.40	22.455	
10,375.0	10,266.4	10,490.5	10,428.6	30.9	12.4	-101.10	-24.8	-160.2	882.5	842.9	39.57	22.299	
10,400.0	10,288.5	10,533.4	10,455.3	30.9	12.4	-100.40	-58.3	-160.0	879.4	839.6	39.77	22.110	
10,425.0	10,309.9	10,573.9	10,477.6	30.9	12.5	-99.69	-92.2	-159.7	876.1	836.1	39.95	21.929	
10,450.0	10,330.6	10,612.3	10,496.1	30.9	12.5	-98.97	-125.8	-159.5	872.7	832.6	40.11	21.758	
10,475.0	10,350.5	10,648.5	10,511.0	30.9	12.6	-98.25	-158.8	-159.3	869.3	829.1	40.25	21.597	
10,500.0	10,369.6	10,682.9	10,522.7	31.0	12.6	-97.55	-191.1	-159.1	866.0	825.6	40.38	21.446	
10,525.0	10,387.9	10,715.5	10,531.7	31.0	12.6	-96.85	-222.5	-158.9	862.6	822.1	40.49	21.306	
10,545.0	10,401.8	10,740.5	10,537.1	31.0	12.7	-96.30	-246.9	-158.8	860.0	819.4	40.56	21.202	
10,550.0	10,405.2	10,746.6	10,538.3	31.0	12.7	-96.17	-252.9	-158.7	859.4	818.8	40.58	21.177	
10,575.0	10,421.6	10,776.3	10,542.7	31.0	12.7	-95.50	-282.2	-158.5	856.2	815.5	40.66	21.057	
10,600.0	10,436.9	10,804.6	10,545.2	31.0	12.7	-94.84	-310.4	-158.4	853.2	812.4	40.73	20.946	
10,625.0	10,451.2	10,831.8	10,546.0	31.1	12.7	-94.19	-337.6	-158.2	850.3	809.5	40.79	20.844	
10,640.0	10,459.3	10,844.6	10,546.0	31.1	12.7	-93.92	-350.4	-158.1	848.7	807.9	40.80	20.799	
10,650.0	10,464.4	10,853.1	10,546.0	31.1	12.8	-93.75	-358.9	-158.1	847.7	806.8	40.81	20.770	
10,675.0	10,476.5	10,875.0	10,546.0	31.1	12.8	-93.33	-380.8	-157.9	845.3	804.4	40.84	20.695	
10,700.0	10,487.4	10,897.5	10,546.0	31.1	12.8	-92.92	-403.2	-157.8	843.1	802.2	40.89	20.619	
10,725.0	10,497.1	10,920.5	10,546.0	31.2	12.8	-92.55	-426.2	-157.6	841.2	800.2	40.96	20.537	
10,735.0	10,500.7	10,929.8	10,546.0	31.2	12.8	-92.42	-435.6	-157.6	840.4	799.4	40.99	20.503	
10,750.0	10,505.6	10,943.9	10,546.0	31.2	12.8	-92.23	-449.7	-157.5	839.4	798.3	41.04	20.452	
10,775.0	10,512.9	10,967.8	10,546.0	31.2	12.9	-91.96	-473.6	-157.3	837.7	796.5	41.13	20.365	
10,800.0	10,518.9	10,992.0	10,546.0	31.2	12.9	-91.76	-497.8	-157.2	836.1	794.9	41.24	20.276	
10,825.0	10,523.6	11,016.6	10,546.0	31.3	12.9	-91.62	-522.3	-157.0	834.6	793.2	41.36	20.180	
10,830.0	10,524.4	11,021.5	10,546.0	31.3	12.9	-91.61	-527.3	-157.0	834.3	792.9	41.38	20.160	
10,850.0	10,527.0	11,041.3	10,546.0	31.3	12.9	-91.57	-547.0	-156.9	833.1	791.6	41.49	20.081	
10,875.0	10,529.2	11,066.1	10,546.0	31.3	13.0	-91.59	-571.9	-156.7	831.7	790.1	41.63	19.979	
10,900.0	10,530.0	11,091.1	10,546.0	31.3	13.0	-91.71	-596.9	-156.5	830.3	788.6	41.78	19.876	
10,903.2	10,530.0	11,094.3	10,546.0	31.3	13.0	-91.73	-600.1	-156.5	830.2	788.4	41.80	19.862	
10,925.0	10,530.0	11,116.1	10,546.0	31.4	13.1	-91.73	-621.8	-156.4	829.1	787.1	41.94	19.767	
11,000.0	10,530.0	11,191.0	10,546.0	31.4	13.2	-91.73	-696.8	-155.9	826.6	784.1	42.46	19.469	
11,020.0	10,530.0	11,211.0	10,546.0	31.5	13.2	-91.73	-716.8	-155.8	826.3	783.7	42.60	19.395	
11,057.1	10,530.0	11,248.1	10,546.0	31.5	13.3	-91.73	-753.9	-155.6	826.0	783.1	42.88	19.265	
11,100.0	10,530.0	11,291.0	10,546.0	31.6	13.4	-91.73	-796.8	-155.3	826.0	782.8	43.19	19.126	
11,115.0	10,530.0	11,306.0	10,546.0	31.6	13.5	-91.73	-811.8	-155.2	826.0	782.7	43.30	19.077	
11,200.0	10,530.0	11,391.0	10,546.0	31.7	13.7	-91.73	-896.8	-154.6	826.0	782.0	43.95	18.792	
11,210.0	10,530.0	11,401.0	10,546.0	31.7	13.8	-91.73	-906.8	-154.6	826.0	782.0	44.03	18.758	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				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)	Minimum Separation (usft)	Separation Factor	Warning	
11,300.0	10,530.0	11,491.0	10,546.0	31.9	14.1	-91.73	-996.8	-154.0	826.0	781.2	44.77	18.449		
11,305.0	10,530.0	11,496.0	10,546.0	31.9	14.1	-91.73	-1,001.8	-154.0	826.0	781.2	44.81	18.432		
11,400.0	10,530.0	11,591.0	10,546.0	32.1	14.6	-91.73	-1,096.8	-153.4	826.0	780.3	45.63	18.102		
11,495.0	10,530.0	11,686.0	10,546.0	32.2	15.1	-91.73	-1,191.8	-152.8	825.9	779.5	46.48	17.770		
11,500.0	10,530.0	11,691.0	10,546.0	32.3	15.1	-91.73	-1,196.8	-152.7	825.9	779.4	46.52	17.753		
11,590.0	10,530.0	11,781.0	10,546.0	32.4	15.7	-91.73	-1,286.8	-152.2	825.9	778.6	47.36	17.439		
11,600.0	10,530.0	11,791.0	10,546.0	32.5	15.7	-91.73	-1,296.8	-152.1	825.9	778.5	47.45	17.405		
11,685.0	10,530.0	11,876.0	10,546.0	32.7	16.3	-91.73	-1,381.8	-151.6	825.9	777.6	48.27	17.110		
11,700.0	10,530.0	11,891.0	10,546.0	32.7	16.4	-91.73	-1,396.8	-151.5	825.9	777.5	48.42	17.059		
11,780.0	10,530.0	11,971.0	10,546.0	32.9	16.9	-91.73	-1,476.8	-151.0	825.9	776.7	49.21	16.783		
11,800.0	10,530.0	11,991.0	10,546.0	32.9	17.0	-91.73	-1,496.8	-150.8	825.9	776.5	49.41	16.716		
11,875.0	10,530.0	12,066.0	10,546.0	33.1	17.6	-91.73	-1,571.8	-150.4	825.9	775.7	50.17	16.461		
11,900.0	10,530.0	12,091.0	10,546.0	33.2	17.7	-91.73	-1,596.8	-150.2	825.9	775.4	50.43	16.377		
11,970.0	10,530.0	12,161.0	10,546.0	33.4	18.2	-91.73	-1,666.8	-149.8	825.9	774.7	51.16	16.143		
12,000.0	10,530.0	12,191.0	10,546.0	33.5	18.5	-91.73	-1,696.8	-149.6	825.9	774.4	51.47	16.044		
12,065.0	10,530.0	12,256.0	10,546.0	33.7	18.9	-91.73	-1,761.8	-149.2	825.8	773.7	52.17	15.831		
12,100.0	10,530.0	12,291.0	10,546.0	33.8	19.2	-91.73	-1,796.8	-148.9	825.8	773.3	52.54	15.718		
12,160.0	10,530.0	12,351.0	10,546.0	34.0	19.6	-91.73	-1,856.8	-148.6	825.8	772.6	53.20	15.524		
12,200.0	10,530.0	12,391.0	10,546.0	34.1	19.9	-91.73	-1,896.8	-148.3	825.8	772.2	53.63	15.397		
12,255.0	10,530.0	12,446.0	10,546.0	34.3	20.4	-91.73	-1,951.8	-148.0	825.8	771.6	54.25	15.223		
12,300.0	10,530.0	12,491.0	10,546.0	34.4	20.7	-91.73	-1,996.8	-147.7	825.8	771.1	54.75	15.084		
12,350.0	10,530.0	12,541.0	10,546.0	34.6	21.1	-91.73	-2,046.8	-147.4	825.8	770.5	55.31	14.929		
12,400.0	10,530.0	12,591.0	10,546.0	34.8	21.5	-91.73	-2,096.8	-147.0	825.8	769.9	55.88	14.777		
12,445.0	10,530.0	12,636.0	10,546.0	34.9	21.8	-91.73	-2,141.8	-146.8	825.8	769.4	56.40	14.641		
12,500.0	10,530.0	12,691.0	10,546.0	35.1	22.3	-91.73	-2,196.8	-146.4	825.8	768.7	57.03	14.478		
12,540.0	10,530.0	12,731.0	10,546.0	35.3	22.6	-91.73	-2,236.8	-146.2	825.8	768.3	57.50	14.360		
12,600.0	10,530.0	12,791.0	10,546.0	35.5	23.0	-91.73	-2,296.8	-145.8	825.7	767.5	58.21	14.187		
12,635.0	10,530.0	12,826.0	10,546.0	35.6	23.3	-91.73	-2,331.7	-145.6	825.7	767.1	58.62	14.086		
12,700.0	10,530.0	12,891.0	10,546.0	35.9	23.8	-91.73	-2,396.7	-145.1	825.7	766.3	59.39	13.903		
12,730.0	10,530.0	12,921.0	10,546.0	36.0	24.1	-91.73	-2,426.7	-145.0	825.7	766.0	59.75	13.819		
12,800.0	10,530.0	12,991.0	10,546.0	36.3	24.6	-91.73	-2,496.7	-144.5	825.7	765.1	60.60	13.626		
12,825.0	10,530.0	13,016.0	10,546.0	36.4	24.8	-91.73	-2,521.7	-144.4	825.7	764.8	60.90	13.558		
12,900.0	10,530.0	13,091.0	10,546.0	36.7	25.4	-91.73	-2,596.7	-143.9	825.7	763.9	61.82	13.357		
12,920.0	10,530.0	13,111.0	10,546.0	36.7	25.6	-91.73	-2,616.7	-143.8	825.7	763.6	62.06	13.304		
13,000.0	10,530.0	13,191.0	10,546.0	37.1	26.2	-91.73	-2,696.7	-143.2	825.7	762.6	63.05	13.095		
13,015.0	10,530.0	13,206.0	10,546.0	37.1	26.4	-91.73	-2,711.7	-143.1	825.7	762.4	63.24	13.057		
13,100.0	10,530.0	13,291.0	10,546.0	37.5	27.0	-91.73	-2,796.7	-142.6	825.7	761.4	64.30	12.841		
13,110.0	10,530.0	13,301.0	10,546.0	37.6	27.1	-91.73	-2,806.7	-142.5	825.7	761.2	64.43	12.816		
13,200.0	10,530.0	13,391.0	10,546.0	38.0	27.9	-91.73	-2,896.7	-142.0	825.6	760.1	65.56	12.594		
13,205.0	10,530.0	13,396.0	10,546.0	38.0	27.9	-91.73	-2,901.7	-141.9	825.6	760.0	65.62	12.581		
13,300.0	10,530.0	13,491.0	10,546.0	38.4	28.7	-91.73	-2,996.7	-141.3	825.6	758.8	66.84	12.353		
13,395.0	10,530.0	13,586.0	10,546.0	38.8	29.5	-91.73	-3,091.7	-140.7	825.6	757.6	68.06	12.131		
13,400.0	10,530.0	13,591.0	10,546.0	38.9	29.5	-91.73	-3,096.7	-140.7	825.6	757.5	68.12	12.120		
13,490.0	10,530.0	13,681.0	10,546.0	39.3	30.2	-91.73	-3,186.7	-140.1	825.6	756.3	69.29	11.915		
13,500.0	10,530.0	13,691.0	10,546.0	39.3	30.3	-91.73	-3,196.7	-140.1	825.6	756.2	69.42	11.893		
13,585.0	10,530.0	13,776.0	10,546.0	39.7	31.0	-91.73	-3,281.7	-139.5	825.6	755.0	70.53	11.705		
13,600.0	10,530.0	13,791.0	10,546.0	39.8	31.1	-91.73	-3,296.7	-139.4	825.6	754.8	70.73	11.672		
13,680.0	10,530.0	13,871.0	10,546.0	40.2	31.8	-91.73	-3,376.7	-138.9	825.6	753.8	71.78	11.500		
13,700.0	10,530.0	13,891.0	10,546.0	40.3	32.0	-91.73	-3,396.7	-138.8	825.6	753.5	72.05	11.458		
13,775.0	10,530.0	13,966.0	10,546.0	40.7	32.6	-91.73	-3,471.7	-138.3	825.5	752.5	73.05	11.302		
13,800.0	10,530.0	13,991.0	10,546.0	40.8	32.8	-91.73	-3,496.7	-138.2	825.5	752.2	73.38	11.250		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
13,870.0	10,530.0	14,061.0	10,546.0	41.1	33.4	-91.73	-3,566.7	-137.7	825.5	751.2	74.32	11.108
13,900.0	10,530.0	14,091.0	10,546.0	41.3	33.6	-91.73	-3,596.7	-137.5	825.5	750.8	74.72	11.048
13,965.0	10,530.0	14,156.0	10,546.0	41.6	34.2	-91.73	-3,661.7	-137.1	825.5	749.9	75.60	10.920
14,000.0	10,530.0	14,191.0	10,546.0	41.8	34.4	-91.73	-3,696.7	-136.9	825.5	749.4	76.07	10.852
14,060.0	10,530.0	14,251.0	10,546.0	42.1	34.9	-91.73	-3,756.7	-136.5	825.5	748.6	76.88	10.737
14,100.0	10,530.0	14,291.0	10,546.0	42.3	35.3	-91.73	-3,796.7	-136.3	825.5	748.1	77.43	10.662
14,155.0	10,530.0	14,346.0	10,546.0	42.6	35.7	-91.73	-3,851.7	-135.9	825.5	747.3	78.18	10.559
14,200.0	10,530.0	14,391.0	10,546.0	42.9	36.1	-91.73	-3,896.7	-135.6	825.5	746.7	78.79	10.477
14,250.0	10,530.0	14,441.0	10,546.0	43.1	36.5	-91.73	-3,946.7	-135.3	825.5	746.0	79.48	10.386
14,300.0	10,530.0	14,491.0	10,546.0	43.4	36.9	-91.73	-3,996.7	-135.0	825.5	745.3	80.17	10.297
14,345.0	10,530.0	14,536.0	10,546.0	43.6	37.3	-91.73	-4,041.7	-134.7	825.4	744.7	80.79	10.217
14,400.0	10,530.0	14,591.0	10,546.0	43.9	37.8	-91.73	-4,096.7	-134.4	825.4	743.9	81.55	10.122
14,440.0	10,530.0	14,631.0	10,546.0	44.2	38.1	-91.73	-4,136.7	-134.1	825.4	743.3	82.11	10.053
14,500.0	10,530.0	14,691.0	10,546.0	44.5	38.6	-91.73	-4,196.7	-133.7	825.4	742.5	82.94	9.952
14,535.0	10,530.0	14,726.0	10,546.0	44.7	38.9	-91.73	-4,231.7	-133.5	825.4	742.0	83.43	9.894
14,600.0	10,530.0	14,791.0	10,546.0	45.0	39.5	-91.73	-4,296.7	-133.1	825.4	741.1	84.34	9.787
14,630.0	10,530.0	14,821.0	10,546.0	45.2	39.7	-91.73	-4,326.7	-132.9	825.4	740.6	84.76	9.738
14,700.0	10,530.0	14,891.0	10,546.0	45.6	40.3	-91.73	-4,396.7	-132.5	825.4	739.6	85.74	9.626
14,725.0	10,530.0	14,916.0	10,546.0	45.7	40.5	-91.73	-4,421.7	-132.3	825.4	739.3	86.09	9.587
14,800.0	10,530.0	14,991.0	10,546.0	46.2	41.1	-91.73	-4,496.7	-131.8	825.4	738.2	87.15	9.470
14,820.0	10,530.0	15,011.0	10,546.0	46.3	41.3	-91.73	-4,516.7	-131.7	825.4	737.9	87.44	9.440
14,900.0	10,530.0	15,091.0	10,546.0	46.7	42.0	-91.73	-4,596.7	-131.2	825.3	736.8	88.57	9.319
14,915.0	10,530.0	15,106.0	10,546.0	46.8	42.1	-91.73	-4,611.7	-131.1	825.3	736.6	88.78	9.296
15,000.0	10,530.0	15,191.0	10,546.0	47.3	42.8	-91.73	-4,696.7	-130.6	825.3	735.3	89.99	9.171
15,010.0	10,530.0	15,201.0	10,546.0	47.4	42.9	-91.73	-4,706.7	-130.5	825.3	735.2	90.14	9.157
15,100.0	10,530.0	15,291.0	10,546.0	47.9	43.7	-91.73	-4,796.7	-129.9	825.3	733.9	91.42	9.028
15,105.0	10,530.0	15,296.0	10,546.0	47.9	43.7	-91.73	-4,801.7	-129.9	825.3	733.8	91.49	9.020
15,200.0	10,530.0	15,391.0	10,546.0	48.5	44.5	-91.73	-4,896.7	-129.3	825.3	732.4	92.86	8.888
15,295.0	10,530.0	15,486.0	10,546.0	49.1	45.3	-91.73	-4,991.7	-128.7	825.3	731.1	94.23	8.759
15,300.0	10,530.0	15,491.0	10,546.0	49.1	45.4	-91.73	-4,996.7	-128.7	825.3	731.0	94.30	8.752
15,390.0	10,530.0	15,581.0	10,546.0	49.6	46.1	-91.73	-5,086.7	-128.1	825.3	729.7	95.60	8.633
15,400.0	10,530.0	15,591.0	10,546.0	49.7	46.2	-91.73	-5,096.7	-128.0	825.3	729.5	95.74	8.620
15,485.0	10,530.0	15,676.0	10,546.0	50.2	46.9	-91.73	-5,181.7	-127.5	825.2	728.3	96.98	8.510
15,500.0	10,530.0	15,691.0	10,546.0	50.3	47.0	-91.73	-5,196.7	-127.4	825.2	728.1	97.19	8.491
15,580.0	10,530.0	15,771.0	10,546.0	50.8	47.7	-91.73	-5,276.7	-126.9	825.2	726.9	98.36	8.390
15,600.0	10,530.0	15,791.0	10,546.0	50.9	47.9	-91.73	-5,296.7	-126.8	825.2	726.6	98.65	8.365
15,675.0	10,530.0	15,866.0	10,546.0	51.4	48.5	-91.73	-5,371.7	-126.3	825.2	725.5	99.74	8.273
15,700.0	10,530.0	15,891.0	10,546.0	51.5	48.7	-91.73	-5,396.7	-126.1	825.2	725.1	100.11	8.243
15,770.0	10,530.0	15,961.0	10,546.0	51.9	49.3	-91.73	-5,466.7	-125.7	825.2	724.1	101.13	8.159
15,800.0	10,530.0	15,991.0	10,546.0	52.1	49.6	-91.73	-5,496.7	-125.5	825.2	723.6	101.57	8.124
15,865.0	10,530.0	16,056.0	10,546.0	52.5	50.1	-91.73	-5,561.7	-125.1	825.2	722.7	102.53	8.048
15,900.0	10,530.0	16,091.0	10,546.0	52.7	50.4	-91.73	-5,596.7	-124.9	825.2	722.1	103.04	8.008
15,960.0	10,530.0	16,151.0	10,546.0	53.1	50.9	-91.74	-5,656.7	-124.5	825.2	721.2	103.93	7.940
16,000.0	10,530.0	16,191.0	10,546.0	53.4	51.3	-91.74	-5,696.7	-124.2	825.2	720.6	104.52	7.895
16,055.0	10,530.0	16,246.0	10,546.0	53.7	51.7	-91.74	-5,751.7	-123.9	825.1	719.8	105.33	7.834
16,100.0	10,530.0	16,291.0	10,546.0	54.0	52.1	-91.74	-5,796.7	-123.6	825.1	719.1	105.99	7.785
16,150.0	10,530.0	16,341.0	10,546.0	54.3	52.5	-91.74	-5,846.7	-123.3	825.1	718.4	106.73	7.731
16,200.0	10,530.0	16,391.0	10,546.0	54.6	53.0	-91.74	-5,896.7	-123.0	825.1	717.6	107.47	7.677
16,245.0	10,530.0	16,436.0	10,546.0	54.9	53.4	-91.74	-5,941.7	-122.7	825.1	717.0	108.14	7.630
16,300.0	10,530.0	16,491.0	10,546.0	55.3	53.8	-91.74	-5,996.7	-122.3	825.1	716.1	108.96	7.573
16,340.0	10,530.0	16,531.0	10,546.0	55.5	54.2	-91.74	-6,036.7	-122.1	825.1	715.5	109.55	7.531

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	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)		
16,400.0	10,530.0	16,591.0	10,546.0	55.9	54.7	-91.74	-6,096.7	-121.7	825.1	714.6	110.45	7.470
16,435.0	10,530.0	16,626.0	10,546.0	56.1	55.0	-91.74	-6,131.7	-121.5	825.1	714.1	110.97	7.435
16,500.0	10,530.0	16,691.0	10,546.0	56.5	55.5	-91.74	-6,196.7	-121.1	825.1	713.1	111.94	7.371
16,530.0	10,530.0	16,721.0	10,546.0	56.7	55.8	-91.74	-6,226.7	-120.9	825.1	712.7	112.39	7.341
16,600.0	10,530.0	16,791.0	10,546.0	57.2	56.4	-91.74	-6,296.7	-120.4	825.1	711.6	113.44	7.273
16,625.0	10,530.0	16,816.0	10,546.0	57.3	56.6	-91.74	-6,321.7	-120.3	825.0	711.2	113.81	7.249
16,700.0	10,530.0	16,891.0	10,546.0	57.8	57.2	-91.74	-6,396.7	-119.8	825.0	710.1	114.93	7.178
16,720.0	10,530.0	16,911.0	10,546.0	58.0	57.4	-91.74	-6,416.7	-119.7	825.0	709.8	115.23	7.160
16,800.0	10,530.0	16,991.0	10,546.0	58.5	58.1	-91.74	-6,496.7	-119.2	825.0	708.6	116.44	7.086
16,815.0	10,530.0	17,006.0	10,546.0	58.6	58.2	-91.74	-6,511.7	-119.1	825.0	708.4	116.66	7.072
16,900.0	10,530.0	17,091.0	10,546.0	59.1	58.9	-91.74	-6,596.7	-118.5	825.0	707.1	117.94	6.995
16,910.0	10,530.0	17,101.0	10,546.0	59.2	59.0	-91.74	-6,606.7	-118.5	825.0	706.9	118.09	6.986
17,000.0	10,530.0	17,191.0	10,546.0	59.8	59.8	-91.74	-6,696.7	-117.9	825.0	705.5	119.45	6.907
17,005.0	10,530.0	17,196.0	10,546.0	59.8	59.8	-91.74	-6,701.7	-117.9	825.0	705.5	119.52	6.902
17,100.0	10,530.0	17,291.0	10,546.0	60.4	60.6	-91.74	-6,796.7	-117.3	825.0	704.0	120.96	6.820
17,195.0	10,530.0	17,386.0	10,546.0	61.1	61.4	-91.74	-6,891.7	-116.7	824.9	702.6	122.40	6.740
17,200.0	10,530.0	17,391.0	10,546.0	61.1	61.5	-91.74	-6,896.7	-116.6	824.9	702.5	122.47	6.736
17,290.0	10,530.0	17,481.0	10,546.0	61.7	62.2	-91.74	-6,986.7	-116.1	824.9	701.1	123.84	6.662
17,300.0	10,530.0	17,491.0	10,546.0	61.8	62.3	-91.74	-6,996.7	-116.0	824.9	700.9	123.99	6.653
17,385.0	10,530.0	17,576.0	10,546.0	62.3	63.1	-91.74	-7,081.7	-115.5	824.9	699.6	125.28	6.585
17,400.0	10,530.0	17,591.0	10,546.0	62.4	63.2	-91.74	-7,096.7	-115.4	824.9	699.4	125.50	6.573
17,480.0	10,530.0	17,671.0	10,546.0	63.0	63.9	-91.74	-7,176.7	-114.9	824.9	698.2	126.72	6.510
17,500.0	10,530.0	17,691.0	10,546.0	63.1	64.0	-91.74	-7,196.7	-114.7	824.9	697.9	127.03	6.494
17,575.0	10,530.0	17,766.0	10,546.0	63.6	64.7	-91.74	-7,271.7	-114.3	824.9	696.7	128.17	6.436
17,600.0	10,530.0	17,791.0	10,546.0	63.8	64.9	-91.74	-7,296.6	-114.1	824.9	696.3	128.55	6.417
17,670.0	10,530.0	17,861.0	10,546.0	64.2	65.5	-91.74	-7,366.6	-113.7	824.9	695.2	129.62	6.364
17,700.0	10,530.0	17,891.0	10,546.0	64.4	65.7	-91.74	-7,396.6	-113.5	824.9	694.8	130.07	6.341
17,765.0	10,530.0	17,956.0	10,546.0	64.9	66.3	-91.74	-7,461.6	-113.1	824.8	693.8	131.07	6.293
17,800.0	10,530.0	17,991.0	10,546.0	65.1	66.6	-91.74	-7,496.6	-112.8	824.8	693.2	131.60	6.268
17,860.0	10,530.0	18,051.0	10,546.0	65.5	67.1	-91.74	-7,556.6	-112.5	824.8	692.3	132.52	6.224
17,900.0	10,530.0	18,091.0	10,546.0	65.8	67.4	-91.74	-7,596.6	-112.2	824.8	691.7	133.13	6.196
17,955.0	10,530.0	18,146.0	10,546.0	66.2	67.9	-91.74	-7,651.6	-111.9	824.8	690.8	133.97	6.157
18,000.0	10,530.0	18,191.0	10,546.0	66.5	68.3	-91.74	-7,696.6	-111.6	824.8	690.1	134.66	6.125
18,050.0	10,530.0	18,241.0	10,546.0	66.8	68.7	-91.74	-7,746.6	-111.3	824.8	689.4	135.43	6.090
18,100.0	10,530.0	18,291.0	10,546.0	67.1	69.2	-91.74	-7,796.6	-110.9	824.8	688.6	136.20	6.056
18,145.0	10,530.0	18,336.0	10,546.0	67.4	69.5	-91.74	-7,841.6	-110.7	824.8	687.9	136.89	6.025
18,200.0	10,530.0	18,391.0	10,546.0	67.8	70.0	-91.74	-7,896.6	-110.3	824.8	687.0	137.73	5.988
18,240.0	10,530.0	18,431.0	10,546.0	68.1	70.3	-91.74	-7,936.6	-110.1	824.8	686.4	138.35	5.962
18,300.0	10,530.0	18,491.0	10,546.0	68.5	70.9	-91.74	-7,996.6	-109.7	824.8	685.5	139.27	5.922
18,335.0	10,530.0	18,526.0	10,546.0	68.7	71.2	-91.74	-8,031.6	-109.4	824.8	684.9	139.81	5.899
18,400.0	10,530.0	18,591.0	10,546.0	69.2	71.7	-91.74	-8,096.6	-109.0	824.7	683.9	140.81	5.857
18,430.0	10,530.0	18,621.0	10,546.0	69.4	72.0	-91.74	-8,126.6	-108.8	824.7	683.5	141.27	5.838
18,500.0	10,530.0	18,691.0	10,546.0	69.9	72.6	-91.74	-8,196.6	-108.4	824.7	682.4	142.35	5.794
18,525.0	10,530.0	18,716.0	10,546.0	70.0	72.8	-91.74	-8,221.6	-108.2	824.7	682.0	142.74	5.778
18,600.0	10,530.0	18,791.0	10,546.0	70.6	73.4	-91.74	-8,296.6	-107.8	824.7	680.8	143.90	5.731
18,620.0	10,530.0	18,811.0	10,546.0	70.7	73.6	-91.74	-8,316.6	-107.6	824.7	680.5	144.21	5.719
18,700.0	10,530.0	18,891.0	10,546.0	71.3	74.3	-91.74	-8,396.6	-107.1	824.7	679.2	145.44	5.670
18,715.0	10,530.0	18,906.0	10,546.0	71.4	74.4	-91.74	-8,411.6	-107.0	824.7	679.0	145.67	5.661
18,800.0	10,530.0	18,991.0	10,546.0	71.9	75.1	-91.74	-8,496.6	-106.5	824.7	677.7	146.99	5.610
18,810.0	10,530.0	19,001.0	10,546.0	72.0	75.2	-91.74	-8,506.6	-106.4	824.7	677.5	147.14	5.605
18,900.0	10,530.0	19,091.0	10,546.0	72.6	76.0	-91.74	-8,596.6	-105.9	824.7	676.1	148.54	5.552

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #703H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10092-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
18,905.0	10,530.0	19,096.0	10,546.0	72.7	76.0	-91.74	-8,601.6	-105.8	824.7	676.0	148.61	5.549
19,000.0	10,530.0	19,191.0	10,546.0	73.3	76.8	-91.74	-8,696.6	-105.2	824.6	674.5	150.09	5.494
19,095.0	10,530.0	19,286.0	10,546.0	74.0	77.7	-91.74	-8,791.6	-104.6	824.6	673.1	151.56	5.441
19,100.0	10,530.0	19,291.0	10,546.0	74.0	77.7	-91.74	-8,796.6	-104.6	824.6	673.0	151.64	5.438
19,190.0	10,530.0	19,381.0	10,546.0	74.7	78.5	-91.74	-8,886.6	-104.0	824.6	671.6	153.03	5.388
19,200.0	10,530.0	19,391.0	10,546.0	74.7	78.6	-91.74	-8,896.6	-104.0	824.6	671.4	153.19	5.383
19,285.0	10,530.0	19,476.0	10,546.0	75.3	79.3	-91.74	-8,981.6	-103.4	824.6	670.1	154.51	5.337
19,300.0	10,530.0	19,491.0	10,546.0	75.4	79.4	-91.74	-8,996.6	-103.3	824.6	669.8	154.74	5.329
19,380.0	10,530.0	19,571.0	10,546.0	76.0	80.1	-91.74	-9,076.6	-102.8	824.6	668.6	155.99	5.286
19,400.0	10,530.0	19,591.0	10,546.0	76.1	80.3	-91.74	-9,096.6	-102.7	824.6	668.3	156.30	5.276
19,475.0	10,530.0	19,666.0	10,546.0	76.6	80.9	-91.74	-9,171.6	-102.2	824.6	667.1	157.47	5.236
19,500.0	10,530.0	19,691.0	10,546.0	76.8	81.1	-91.74	-9,196.6	-102.1	824.5	666.7	157.86	5.223
19,570.0	10,530.0	19,761.0	10,546.0	77.3	81.7	-91.74	-9,266.6	-101.6	824.5	665.6	158.95	5.187
19,600.0	10,530.0	19,791.0	10,546.0	77.5	82.0	-91.74	-9,296.6	-101.4	824.5	665.1	159.41	5.172
19,665.0	10,530.0	19,856.0	10,546.0	78.0	82.5	-91.74	-9,361.6	-101.0	824.5	664.1	160.43	5.139
19,700.0	10,530.0	19,891.0	10,546.0	78.2	82.8	-91.74	-9,396.6	-100.8	824.5	663.5	160.97	5.122
19,760.0	10,530.0	19,951.0	10,546.0	78.6	83.3	-91.74	-9,456.6	-100.4	824.5	662.6	161.91	5.092
19,800.0	10,530.0	19,991.0	10,546.0	78.9	83.7	-91.74	-9,496.6	-100.2	824.5	662.0	162.53	5.073
19,855.0	10,530.0	20,046.0	10,546.0	79.3	84.2	-91.74	-9,551.6	-99.8	824.5	661.1	163.39	5.046
19,900.0	10,530.0	20,091.0	10,546.0	79.6	84.5	-91.74	-9,596.6	-99.5	824.5	660.4	164.10	5.024
19,950.0	10,530.0	20,141.0	10,546.0	80.0	85.0	-91.74	-9,646.6	-99.2	824.5	659.6	164.88	5.000
20,000.0	10,530.0	20,191.0	10,546.0	80.3	85.4	-91.74	-9,696.6	-98.9	824.5	658.8	165.66	4.977
20,045.0	10,530.0	20,236.0	10,546.0	80.7	85.8	-91.74	-9,741.6	-98.6	824.5	658.1	166.36	4.956
20,100.0	10,530.0	20,291.0	10,546.0	81.0	86.3	-91.74	-9,796.6	-98.3	824.4	657.2	167.22	4.930
20,140.0	10,530.0	20,331.0	10,546.0	81.3	86.6	-91.74	-9,836.6	-98.0	824.4	656.6	167.85	4.912
20,200.0	10,530.0	20,391.0	10,546.0	81.8	87.1	-91.74	-9,896.6	-97.6	824.4	655.6	168.79	4.884
20,235.0	10,530.0	20,426.0	10,546.0	82.0	87.4	-91.74	-9,931.6	-97.4	824.4	655.1	169.34	4.869
20,300.0	10,530.0	20,491.0	10,546.0	82.5	88.0	-91.74	-9,996.6	-97.0	824.4	654.1	170.36	4.839
20,330.0	10,530.0	20,521.0	10,546.0	82.7	88.2	-91.74	-10,026.6	-96.8	824.4	653.6	170.83	4.826
20,392.7	10,530.0	20,583.8	10,546.0	83.1	88.8	-91.74	-10,089.3	-96.4	824.4	652.6	171.81	4.798
20,400.0	10,530.0	20,591.0	10,546.0	83.2	88.8	-91.74	-10,096.6	-96.4	824.4	652.5	171.92	4.795
20,425.0	10,530.0	20,616.0	10,546.0	83.4	89.0	-91.74	-10,121.6	-96.2	824.4	652.1	172.31	4.784
20,500.0	10,530.0	20,691.0	10,546.0	83.9	89.7	-91.74	-10,196.6	-95.7	824.4	650.9	173.49	4.752
20,520.0	10,530.0	20,711.0	10,546.0	84.0	89.8	-91.74	-10,216.6	-95.6	824.4	650.6	173.80	4.743
20,522.7	10,530.0	20,713.7	10,546.0	84.0	89.9	-91.74	-10,219.3	-95.6	824.4	650.5	173.84	4.742 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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4													Offset Site Error: 3.0 usft		
Survey Program: Reference		0-Standard Keeper 104, 10158-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)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
7,900.0	7,800.0	7,929.2	7,900.5	23.6	9.5	23.97	96.1	-1,966.7	999.1	968.2	30.85	32.389			
7,980.0	7,879.6	8,007.5	7,978.4	23.9	9.6	24.24	97.9	-1,958.7	984.3	953.0	31.29	31.455			
8,000.0	7,899.5	8,027.2	7,998.0	24.0	9.6	24.30	98.3	-1,956.7	981.0	949.6	31.41	31.235			
8,075.0	7,974.4	8,101.1	8,071.5	24.3	9.7	24.53	100.0	-1,949.1	969.5	937.7	31.82	30.469			
8,100.0	7,999.3	8,125.8	8,096.1	24.4	9.8	24.59	100.6	-1,946.6	966.1	934.1	31.96	30.230			
8,170.0	8,069.3	8,195.2	8,165.1	24.7	9.8	24.77	102.1	-1,939.5	957.5	925.2	32.34	29.611			
8,200.0	8,099.3	8,225.0	8,194.7	24.8	9.9	24.84	102.8	-1,936.5	954.4	921.9	32.50	29.365			
8,223.7	8,123.0	8,248.5	8,218.1	24.9	9.9	-75.83	103.3	-1,934.1	952.1	919.5	32.60	29.204			
8,265.0	8,164.3	8,289.6	8,259.0	25.0	10.0	-75.71	104.2	-1,929.9	948.2	915.4	32.77	28.937			
8,300.0	8,199.3	8,324.4	8,293.6	25.1	10.0	-75.61	105.0	-1,926.3	944.9	912.0	32.91	28.712			
8,360.0	8,259.3	8,384.1	8,352.9	25.3	10.1	-75.44	106.3	-1,920.2	939.3	906.2	33.16	28.330			
8,400.0	8,299.3	8,423.8	8,392.5	25.4	10.1	-75.33	107.2	-1,916.2	935.6	902.3	33.32	28.078			
8,455.0	8,354.3	8,478.5	8,446.9	25.6	10.2	-75.16	108.5	-1,910.6	930.5	896.9	33.55	27.735			
8,500.0	8,399.3	8,523.3	8,491.4	25.7	10.2	-75.03	109.5	-1,906.0	926.3	892.6	33.74	27.458			
8,550.0	8,449.3	8,573.0	8,540.9	25.9	10.3	-74.88	110.6	-1,901.0	921.6	887.7	33.94	27.153			
8,600.0	8,499.3	8,622.8	8,590.3	26.0	10.4	-74.73	111.7	-1,895.9	917.0	882.9	34.15	26.852			
8,645.0	8,544.3	8,667.5	8,634.8	26.1	10.4	-74.60	112.7	-1,891.3	912.8	878.5	34.34	26.584			
8,700.0	8,599.3	8,722.2	8,689.2	26.3	10.5	-74.43	113.9	-1,885.7	907.8	873.2	34.57	26.261			
8,740.0	8,639.3	8,762.0	8,728.8	26.4	10.5	-74.30	114.8	-1,881.7	904.1	869.3	34.73	26.028			
8,800.0	8,699.3	8,817.0	8,783.5	26.6	10.6	-74.13	116.0	-1,876.0	898.5	863.5	35.00	25.672			
8,835.0	8,734.3	8,851.7	8,818.0	26.7	10.6	-74.02	116.8	-1,872.6	895.4	860.3	35.15	25.476			
8,900.0	8,799.3	8,908.6	8,874.7	26.9	10.7	-73.86	117.9	-1,867.4	890.0	854.6	35.44	25.111			
8,930.0	8,829.3	8,934.9	8,900.9	27.0	10.7	-73.79	118.4	-1,865.2	887.8	852.2	35.58	24.950			
9,000.0	8,899.3	9,000.0	8,965.8	27.2	10.8	-73.63	119.5	-1,860.2	882.9	847.1	35.89	24.601			
9,025.0	8,924.3	9,018.3	8,984.0	27.3	10.8	-73.59	119.8	-1,858.9	881.4	845.4	36.02	24.470			
9,100.0	8,999.3	9,084.3	9,049.9	27.5	10.9	-73.46	120.7	-1,854.8	877.2	840.8	36.36	24.123			
9,120.0	9,019.3	9,100.0	9,065.6	27.6	10.9	-73.43	120.9	-1,853.9	876.2	839.7	36.46	24.031			
9,200.0	9,099.3	9,172.4	9,137.9	27.8	11.0	-73.31	121.7	-1,850.5	872.8	836.0	36.82	23.704			
9,215.0	9,114.3	9,185.6	9,151.1	27.9	11.0	-73.30	121.8	-1,849.9	872.2	835.3	36.89	23.645			
9,300.0	9,199.3	9,260.6	9,226.0	28.2	11.1	-73.22	122.3	-1,847.5	869.7	832.4	37.28	23.332			
9,310.0	9,209.3	9,269.4	9,234.9	28.2	11.1	-73.21	122.4	-1,847.2	869.5	832.2	37.32	23.297			
9,400.0	9,299.3	9,348.9	9,314.3	28.5	11.2	-73.16	122.7	-1,845.8	868.0	830.3	37.73	23.004			
9,405.0	9,304.3	9,353.3	9,318.7	28.5	11.2	-73.16	122.7	-1,845.7	868.0	830.2	37.76	22.989			
9,500.0	9,399.3	9,439.9	9,405.3	28.8	11.3	-73.15	122.8	-1,845.4	867.6	829.4	38.16	22.736			
9,595.0	9,494.3	9,534.9	9,500.3	29.1	11.4	-73.15	122.8	-1,845.4	867.6	829.1	38.49	22.543			
9,600.0	9,499.3	9,539.9	9,505.3	29.1	11.4	-73.15	122.8	-1,845.4	867.6	829.1	38.50	22.533			
9,690.0	9,589.3	9,629.9	9,595.3	29.4	11.5	-73.15	122.8	-1,845.4	867.6	828.8	38.82	22.352			
9,700.0	9,599.3	9,639.9	9,605.3	29.4	11.5	-73.15	122.8	-1,845.4	867.6	828.8	38.85	22.332			
9,785.0	9,684.3	9,724.9	9,690.3	29.7	11.6	-73.15	122.8	-1,845.4	867.6	828.5	39.15	22.164			
9,800.0	9,699.3	9,739.9	9,705.3	29.7	11.6	-73.15	122.8	-1,845.4	867.6	828.4	39.20	22.134			
9,880.0	9,779.3	9,819.9	9,785.3	30.0	11.7	-73.15	122.8	-1,845.4	867.6	828.1	39.48	21.978			
9,900.0	9,799.3	9,839.9	9,805.3	30.0	11.7	-73.15	122.8	-1,845.4	867.6	828.1	39.55	21.939			
9,975.0	9,874.3	9,914.9	9,880.3	30.3	11.8	-73.15	122.8	-1,845.4	867.6	827.8	39.81	21.794			
10,000.0	9,899.3	9,939.9	9,905.3	30.4	11.8	-73.15	122.8	-1,845.4	867.6	827.7	39.90	21.746			
10,070.0	9,969.3	10,009.9	9,975.3	30.6	11.9	-73.15	122.8	-1,845.4	867.6	827.5	40.14	21.613			
10,100.0	9,999.3	10,039.9	10,005.3	30.7	11.9	-73.15	122.8	-1,845.4	867.6	827.4	40.25	21.556			
10,153.2	10,052.5	10,093.2	10,058.6	30.8	11.9	-73.15	122.8	-1,845.4	867.6	827.2	40.35	21.501			
10,165.0	10,064.3	10,118.6	10,084.0	30.8	11.9	110.28	122.1	-1,845.4	867.6	827.3	40.30	21.529			
10,175.0	10,074.3	10,140.2	10,105.5	30.8	11.9	110.24	120.5	-1,845.4	867.5	827.2	40.25	21.549			
10,200.0	10,099.2	10,193.7	10,158.3	30.8	12.5	110.01	112.2	-1,845.3	866.9	826.8	40.17	21.584			
10,225.0	10,124.0	10,246.1	10,208.9	30.8	12.5	109.64	98.5	-1,845.2	866.1	826.0	40.11	21.591			

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10158-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
10,250.0	10,148.6	10,297.2	10,256.4	30.8	12.5	109.12	79.8	-1,845.1	864.9	824.8	40.10	21.570
10,260.0	10,158.4	10,317.1	10,274.4	30.8	12.5	108.88	71.2	-1,845.1	864.3	824.2	40.10	21.555
10,275.0	10,173.0	10,346.4	10,300.1	30.8	12.6	108.50	57.2	-1,845.0	863.4	823.3	40.12	21.524
10,300.0	10,197.0	10,393.6	10,339.5	30.8	12.6	107.78	31.3	-1,844.8	861.8	821.6	40.17	21.454
10,325.0	10,220.6	10,438.6	10,374.6	30.8	12.6	107.00	3.2	-1,844.6	860.0	819.7	40.25	21.367
10,350.0	10,243.8	10,481.4	10,405.4	30.8	12.7	106.16	-26.6	-1,844.5	858.1	817.7	40.35	21.267
10,355.0	10,248.3	10,489.7	10,411.0	30.9	12.7	105.99	-32.7	-1,844.4	857.7	817.3	40.37	21.246
10,375.0	10,266.4	10,522.0	10,432.0	30.9	12.7	105.29	-57.3	-1,844.3	856.2	815.7	40.47	21.158
10,400.0	10,288.5	10,560.6	10,454.8	30.9	12.8	104.40	-88.4	-1,844.1	854.3	813.7	40.59	21.045
10,425.0	10,309.9	10,597.2	10,474.0	30.9	12.8	103.50	-119.5	-1,843.9	852.4	811.7	40.73	20.930
10,450.0	10,330.6	10,631.9	10,490.0	30.9	12.9	102.59	-150.3	-1,843.7	850.7	809.9	40.87	20.816
10,475.0	10,350.5	10,665.0	10,503.1	30.9	12.9	101.67	-180.7	-1,843.5	849.1	808.1	41.01	20.706
10,500.0	10,369.6	10,696.5	10,513.6	31.0	13.0	100.76	-210.4	-1,843.3	847.7	806.6	41.15	20.601
10,525.0	10,387.9	10,726.6	10,521.8	31.0	13.0	99.85	-239.3	-1,843.2	846.5	805.3	41.29	20.502
10,545.0	10,401.8	10,749.8	10,526.9	31.0	13.1	99.12	-261.9	-1,843.0	845.7	804.3	41.40	20.428
10,550.0	10,405.2	10,755.4	10,527.9	31.0	13.1	98.94	-267.5	-1,843.0	845.6	804.1	41.43	20.410
10,575.0	10,421.6	10,783.1	10,532.2	31.0	13.1	98.03	-294.8	-1,842.8	844.8	803.3	41.57	20.325
10,600.0	10,436.9	10,809.7	10,534.8	31.0	13.2	97.12	-321.3	-1,842.7	844.3	802.6	41.70	20.248
10,625.0	10,451.2	10,835.4	10,535.9	31.1	13.2	96.22	-347.0	-1,842.5	844.1	802.2	41.83	20.179
10,636.6	10,457.5	10,846.5	10,536.0	31.1	13.2	95.81	-358.1	-1,842.4	844.0	802.1	41.89	20.150 CC
10,640.0	10,459.3	10,849.4	10,536.0	31.1	13.2	95.71	-361.0	-1,842.4	844.0	802.1	41.90	20.143
10,650.0	10,464.4	10,858.0	10,535.9	31.1	13.2	95.40	-369.6	-1,842.4	844.1	802.1	41.95	20.123
10,675.0	10,476.5	10,879.8	10,535.9	31.1	13.3	94.64	-391.4	-1,842.2	844.4	802.3	42.06	20.076
10,700.0	10,487.4	10,902.3	10,535.8	31.1	13.3	93.90	-413.8	-1,842.1	845.0	802.8	42.18	20.034
10,725.0	10,497.1	10,925.2	10,535.8	31.2	13.4	93.19	-436.8	-1,841.9	845.8	803.5	42.31	19.993
10,735.0	10,500.7	10,934.6	10,535.8	31.2	13.4	92.92	-446.1	-1,841.9	846.2	803.8	42.36	19.977
10,750.0	10,505.6	10,948.7	10,535.8	31.2	13.4	92.53	-460.3	-1,841.8	846.8	804.4	42.44	19.955
10,775.0	10,512.9	10,972.6	10,535.7	31.2	13.4	91.92	-484.1	-1,841.7	847.9	805.3	42.57	19.920
10,800.0	10,518.9	10,996.8	10,535.7	31.2	13.5	91.38	-508.3	-1,841.5	849.1	806.4	42.70	19.887
10,825.0	10,523.6	11,021.3	10,535.6	31.3	13.5	90.91	-532.8	-1,841.4	850.4	807.6	42.84	19.853
10,830.0	10,524.4	11,026.2	10,535.6	31.3	13.6	90.82	-537.8	-1,841.3	850.7	807.8	42.86	19.846
10,850.0	10,527.0	11,046.0	10,535.6	31.3	13.6	90.51	-557.6	-1,841.2	851.7	808.7	42.97	19.819
10,875.0	10,529.2	11,070.9	10,535.5	31.3	13.7	90.21	-582.4	-1,841.1	853.1	809.9	43.11	19.787
10,900.0	10,530.0	11,095.8	10,535.5	31.3	13.7	89.99	-607.4	-1,840.9	854.4	811.2	43.25	19.756
10,903.2	10,530.0	11,099.0	10,535.4	31.3	13.7	89.96	-610.6	-1,840.9	854.6	811.3	43.27	19.752
10,925.0	10,530.0	11,120.8	10,535.4	31.4	13.8	89.96	-632.3	-1,840.7	855.7	812.3	43.40	19.717
11,000.0	10,530.0	11,195.7	10,535.3	31.4	14.0	89.95	-707.3	-1,840.3	858.2	814.3	43.86	19.568
11,020.0	10,530.0	11,215.7	10,535.2	31.5	14.1	89.95	-727.3	-1,840.2	858.5	814.5	43.99	19.517
11,057.1	10,530.0	11,252.8	10,535.1	31.5	14.2	89.94	-764.4	-1,839.9	858.8	814.5	44.24	19.413
11,100.0	10,530.0	11,295.7	10,535.1	31.6	14.3	89.94	-807.3	-1,839.7	858.8	814.3	44.52	19.290
11,115.0	10,530.0	11,310.7	10,535.0	31.6	14.4	89.93	-822.3	-1,839.6	858.8	814.2	44.62	19.246
11,200.0	10,530.0	11,395.7	10,534.8	31.7	14.7	89.92	-907.3	-1,839.1	858.8	813.6	45.22	18.992
11,210.0	10,530.0	11,405.7	10,534.8	31.7	14.8	89.92	-917.3	-1,839.0	858.8	813.5	45.29	18.961
11,300.0	10,530.0	11,495.7	10,534.6	31.9	15.2	89.91	-1,007.3	-1,838.4	858.9	812.9	45.97	18.682
11,305.0	10,530.0	11,500.7	10,534.6	31.9	15.2	89.91	-1,012.3	-1,838.4	858.9	812.9	46.01	18.666
11,400.0	10,530.0	11,595.7	10,534.4	32.1	15.7	89.90	-1,107.3	-1,837.8	858.9	812.1	46.77	18.364
11,495.0	10,530.0	11,690.7	10,534.3	32.2	16.2	89.88	-1,202.3	-1,837.2	858.9	811.4	47.57	18.057
11,500.0	10,530.0	11,695.7	10,534.2	32.3	16.2	89.88	-1,207.3	-1,837.2	858.9	811.3	47.61	18.041
11,590.0	10,530.0	11,785.7	10,534.1	32.4	16.7	89.87	-1,297.3	-1,836.7	859.0	810.6	48.40	17.748
11,600.0	10,530.0	11,795.7	10,534.0	32.5	16.8	89.87	-1,307.3	-1,836.6	859.0	810.5	48.49	17.716
11,685.0	10,530.0	11,880.7	10,533.9	32.7	17.3	89.86	-1,392.3	-1,836.1	859.0	809.7	49.26	17.438

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10158-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Warning		
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)	Between Ellipses (usft)	Separation Factor	
11,700.0	10,530.0	11,895.7	10,533.8	32.7	17.4	89.86	-1,407.3	-1,836.0	859.0	809.6	49.40	17.389
11,780.0	10,530.0	11,975.7	10,533.7	32.9	17.9	89.85	-1,487.3	-1,835.5	859.0	808.9	50.15	17.128
11,800.0	10,530.0	11,995.7	10,533.6	32.9	18.0	89.84	-1,507.3	-1,835.4	859.1	808.7	50.34	17.064
11,875.0	10,530.0	12,070.7	10,533.5	33.1	18.5	89.83	-1,582.3	-1,834.9	859.1	808.0	51.08	16.820
11,900.0	10,530.0	12,095.7	10,533.4	33.2	18.7	89.83	-1,607.3	-1,834.8	859.1	807.8	51.32	16.740
11,970.0	10,530.0	12,165.7	10,533.3	33.4	19.2	89.82	-1,677.3	-1,834.3	859.1	807.1	52.02	16.514
12,000.0	10,530.0	12,195.7	10,533.2	33.5	19.4	89.82	-1,707.3	-1,834.1	859.1	806.8	52.32	16.419
12,065.0	10,530.0	12,260.7	10,533.1	33.7	19.8	89.81	-1,772.3	-1,833.7	859.2	806.2	52.99	16.212
12,100.0	10,530.0	12,295.7	10,533.0	33.8	20.1	89.80	-1,807.3	-1,833.5	859.2	805.8	53.36	16.103
12,160.0	10,530.0	12,355.7	10,532.9	34.0	20.5	89.79	-1,867.3	-1,833.2	859.2	805.2	53.99	15.914
12,200.0	10,530.0	12,395.7	10,532.8	34.1	20.8	89.79	-1,907.3	-1,832.9	859.2	804.8	54.41	15.791
12,255.0	10,530.0	12,450.7	10,532.7	34.3	21.2	89.78	-1,962.3	-1,832.6	859.2	804.2	55.01	15.621
12,300.0	10,530.0	12,495.7	10,532.6	34.4	21.5	89.77	-2,007.3	-1,832.3	859.2	803.7	55.49	15.484
12,350.0	10,530.0	12,545.7	10,532.5	34.6	21.9	89.77	-2,057.3	-1,832.0	859.3	803.2	56.04	15.332
12,400.0	10,530.0	12,595.7	10,532.4	34.8	22.3	89.76	-2,107.3	-1,831.7	859.3	802.7	56.59	15.183
12,445.0	10,530.0	12,640.7	10,532.3	34.9	22.6	89.76	-2,152.3	-1,831.4	859.3	802.2	57.10	15.049
12,500.0	10,530.0	12,695.7	10,532.2	35.1	23.0	89.75	-2,207.2	-1,831.1	859.3	801.6	57.72	14.888
12,540.0	10,530.0	12,735.7	10,532.1	35.3	23.3	89.74	-2,247.2	-1,830.8	859.3	801.2	58.17	14.772
12,600.0	10,530.0	12,795.7	10,532.0	35.5	23.8	89.73	-2,307.2	-1,830.5	859.4	800.5	58.86	14.600
12,635.0	10,530.0	12,830.7	10,531.9	35.6	24.0	89.73	-2,342.2	-1,830.2	859.4	800.1	59.27	14.500
12,700.0	10,530.0	12,895.7	10,531.8	35.9	24.5	89.72	-2,407.2	-1,829.8	859.4	799.4	60.02	14.318
12,730.0	10,530.0	12,925.7	10,531.8	36.0	24.8	89.72	-2,437.2	-1,829.7	859.4	799.0	60.38	14.234
12,800.0	10,530.0	12,995.7	10,531.6	36.3	25.3	89.71	-2,507.2	-1,829.2	859.4	798.2	61.20	14.042
12,825.0	10,530.0	13,020.7	10,531.6	36.4	25.5	89.70	-2,532.2	-1,829.1	859.4	797.9	61.50	13.974
12,900.0	10,530.0	13,095.7	10,531.4	36.7	26.1	89.69	-2,607.2	-1,828.6	859.5	797.1	62.40	13.774
12,920.0	10,530.0	13,115.7	10,531.4	36.7	26.2	89.69	-2,627.2	-1,828.5	859.5	796.8	62.64	13.721
13,000.0	10,530.0	13,195.7	10,531.2	37.1	26.9	89.68	-2,707.2	-1,828.0	859.5	795.9	63.61	13.512
13,015.0	10,530.0	13,210.7	10,531.2	37.1	27.0	89.68	-2,722.2	-1,827.9	859.5	795.7	63.80	13.473
13,100.0	10,530.0	13,295.7	10,531.0	37.5	27.7	89.67	-2,807.2	-1,827.4	859.5	794.7	64.84	13.256
13,110.0	10,530.0	13,305.7	10,531.0	37.6	27.7	89.67	-2,817.2	-1,827.3	859.5	794.6	64.96	13.231
13,200.0	10,530.0	13,395.7	10,530.8	38.0	28.4	89.65	-2,907.2	-1,826.8	859.6	793.5	66.08	13.008
13,205.0	10,530.0	13,400.7	10,530.8	38.0	28.5	89.65	-2,912.2	-1,826.7	859.6	793.4	66.14	12.996
13,300.0	10,530.0	13,495.7	10,530.6	38.4	29.2	89.64	-3,007.2	-1,826.2	859.6	792.3	67.34	12.766
13,395.0	10,530.0	13,590.7	10,530.4	38.8	30.0	89.63	-3,102.2	-1,825.6	859.7	791.1	68.54	12.542
13,400.0	10,530.0	13,595.7	10,530.4	38.9	30.0	89.63	-3,107.2	-1,825.5	859.7	791.1	68.61	12.530
13,490.0	10,530.0	13,685.7	10,530.2	39.3	30.8	89.61	-3,197.2	-1,825.0	859.7	789.9	69.76	12.323
13,500.0	10,530.0	13,695.7	10,530.2	39.3	30.8	89.61	-3,207.2	-1,824.9	859.7	789.8	69.89	12.301
13,585.0	10,530.0	13,780.7	10,530.0	39.7	31.5	89.60	-3,292.2	-1,824.4	859.7	788.7	70.99	12.111
13,600.0	10,530.0	13,795.7	10,530.0	39.8	31.7	89.60	-3,307.2	-1,824.3	859.7	788.6	71.18	12.078
13,680.0	10,530.0	13,875.7	10,529.8	40.2	32.3	89.59	-3,387.2	-1,823.8	859.8	787.5	72.23	11.904
13,700.0	10,530.0	13,895.7	10,529.8	40.3	32.5	89.59	-3,407.2	-1,823.7	859.8	787.3	72.49	11.861
13,775.0	10,530.0	13,970.7	10,529.6	40.7	33.1	89.58	-3,482.2	-1,823.2	859.8	786.3	73.48	11.702
13,800.0	10,530.0	13,995.7	10,529.6	40.8	33.3	89.57	-3,507.2	-1,823.1	859.8	786.0	73.80	11.650
13,870.0	10,530.0	14,065.7	10,529.5	41.1	33.8	89.56	-3,577.2	-1,822.7	859.8	785.1	74.73	11.505
13,900.0	10,530.0	14,095.7	10,529.4	41.3	34.1	89.56	-3,607.2	-1,822.5	859.8	784.7	75.13	11.445
13,965.0	10,530.0	14,160.7	10,529.3	41.6	34.6	89.55	-3,672.2	-1,822.1	859.9	783.9	76.00	11.314
14,000.0	10,530.0	14,195.7	10,529.2	41.8	34.9	89.55	-3,707.2	-1,821.9	859.9	783.4	76.47	11.245
14,060.0	10,530.0	14,255.7	10,529.1	42.1	35.4	89.54	-3,767.2	-1,821.5	859.9	782.6	77.28	11.128
14,100.0	10,530.0	14,295.7	10,529.0	42.3	35.7	89.53	-3,807.2	-1,821.3	859.9	782.1	77.81	11.051
14,155.0	10,530.0	14,350.7	10,528.9	42.6	36.2	89.53	-3,862.2	-1,820.9	859.9	781.4	78.56	10.947
14,200.0	10,530.0	14,395.7	10,528.8	42.9	36.5	89.52	-3,907.2	-1,820.6	860.0	780.8	79.17	10.862

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10158-MWD+IFR1+FDIR												Offset Well Error:	3.0 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)	Minimum Separation (usft)	Separation Factor	
14,250.0	10,530.0	14,445.7	10,528.7	43.1	37.0	89.51	-3,957.2	-1,820.3	860.0	780.1	79.85	10.770	
14,300.0	10,530.0	14,495.7	10,528.6	43.4	37.4	89.51	-4,007.2	-1,820.0	860.0	779.5	80.53	10.679	
14,345.0	10,530.0	14,540.7	10,528.5	43.6	37.7	89.50	-4,052.2	-1,819.7	860.0	778.9	81.15	10.598	
14,400.0	10,530.0	14,595.7	10,528.4	43.9	38.2	89.49	-4,107.2	-1,819.4	860.0	778.1	81.90	10.501	
14,440.0	10,530.0	14,635.7	10,528.3	44.2	38.5	89.49	-4,147.2	-1,819.2	860.1	777.6	82.46	10.430	
14,500.0	10,530.0	14,695.7	10,528.2	44.5	39.0	89.48	-4,207.2	-1,818.8	860.1	776.8	83.28	10.327	
14,535.0	10,530.0	14,730.7	10,528.1	44.7	39.3	89.47	-4,242.2	-1,818.6	860.1	776.3	83.77	10.267	
14,600.0	10,530.0	14,795.7	10,528.0	45.0	39.8	89.47	-4,307.2	-1,818.2	860.1	775.4	84.67	10.158	
14,630.0	10,530.0	14,825.7	10,527.9	45.2	40.1	89.46	-4,337.2	-1,818.0	860.1	775.0	85.09	10.108	
14,700.0	10,530.0	14,895.7	10,527.8	45.6	40.7	89.45	-4,407.2	-1,817.6	860.2	774.1	86.07	9.994	
14,725.0	10,530.0	14,920.7	10,527.7	45.7	40.9	89.45	-4,432.2	-1,817.4	860.2	773.8	86.42	9.954	
14,800.0	10,530.0	14,995.7	10,527.6	46.2	41.5	89.44	-4,507.2	-1,817.0	860.2	772.7	87.47	9.834	
14,820.0	10,530.0	15,015.7	10,527.5	46.3	41.7	89.44	-4,527.2	-1,816.8	860.2	772.5	87.75	9.803	
14,900.0	10,530.0	15,095.7	10,527.4	46.7	42.3	89.43	-4,607.2	-1,816.3	860.2	771.4	88.88	9.679	
14,915.0	10,530.0	15,110.7	10,527.3	46.8	42.5	89.42	-4,622.2	-1,816.2	860.2	771.2	89.09	9.656	
15,000.0	10,530.0	15,195.7	10,527.2	47.3	43.2	89.41	-4,707.2	-1,815.7	860.3	770.0	90.29	9.528	
15,010.0	10,530.0	15,205.7	10,527.1	47.4	43.2	89.41	-4,717.2	-1,815.7	860.3	769.8	90.44	9.513	
15,100.0	10,530.0	15,295.7	10,527.0	47.9	44.0	89.40	-4,807.2	-1,815.1	860.3	768.6	91.71	9.380	
15,105.0	10,530.0	15,300.7	10,527.0	47.9	44.0	89.40	-4,812.2	-1,815.1	860.3	768.5	91.79	9.373	
15,200.0	10,530.0	15,395.7	10,526.8	48.5	44.8	89.38	-4,907.2	-1,814.5	860.4	767.2	93.14	9.237	
15,295.0	10,530.0	15,490.7	10,526.6	49.1	45.6	89.37	-5,002.2	-1,813.9	860.4	765.9	94.50	9.104	
15,300.0	10,530.0	15,495.7	10,526.6	49.1	45.7	89.37	-5,007.2	-1,813.9	860.4	765.8	94.58	9.097	
15,390.0	10,530.0	15,585.7	10,526.4	49.6	46.4	89.36	-5,097.2	-1,813.3	860.4	764.6	95.87	8.975	
15,400.0	10,530.0	15,595.7	10,526.4	49.7	46.5	89.36	-5,107.2	-1,813.3	860.4	764.4	96.01	8.962	
15,485.0	10,530.0	15,680.7	10,526.2	50.2	47.2	89.35	-5,192.2	-1,812.7	860.5	763.2	97.24	8.849	
15,500.0	10,530.0	15,695.7	10,526.2	50.3	47.3	89.34	-5,207.2	-1,812.7	860.5	763.0	97.46	8.829	
15,580.0	10,530.0	15,775.7	10,526.0	50.8	48.0	89.33	-5,287.2	-1,812.2	860.5	761.9	98.62	8.726	
15,600.0	10,530.0	15,795.7	10,526.0	50.9	48.2	89.33	-5,307.2	-1,812.0	860.5	761.6	98.91	8.700	
15,675.0	10,530.0	15,870.7	10,525.8	51.4	48.8	89.32	-5,382.2	-1,811.6	860.5	760.5	100.00	8.606	
15,700.0	10,530.0	15,895.7	10,525.8	51.5	49.0	89.32	-5,407.2	-1,811.4	860.6	760.2	100.36	8.575	
15,770.0	10,530.0	15,965.7	10,525.6	51.9	49.6	89.31	-5,477.2	-1,811.0	860.6	759.2	101.38	8.488	
15,800.0	10,530.0	15,995.7	10,525.5	52.1	49.9	89.30	-5,507.2	-1,810.8	860.6	758.8	101.82	8.452	
15,865.0	10,530.0	16,060.7	10,525.4	52.5	50.4	89.30	-5,572.2	-1,810.4	860.6	757.8	102.77	8.374	
15,900.0	10,530.0	16,095.7	10,525.3	52.7	50.7	89.29	-5,607.2	-1,810.2	860.6	757.3	103.28	8.333	
15,960.0	10,530.0	16,155.7	10,525.2	53.1	51.2	89.28	-5,667.2	-1,809.8	860.7	756.5	104.16	8.263	
16,000.0	10,530.0	16,195.7	10,525.1	53.4	51.5	89.28	-5,707.2	-1,809.6	860.7	755.9	104.75	8.216	
16,055.0	10,530.0	16,250.7	10,525.0	53.7	52.0	89.27	-5,762.2	-1,809.2	860.7	755.1	105.56	8.154	
16,100.0	10,530.0	16,295.7	10,524.9	54.0	52.4	89.26	-5,807.2	-1,809.0	860.7	754.5	106.22	8.103	
16,150.0	10,530.0	16,345.7	10,524.8	54.3	52.8	89.26	-5,857.2	-1,808.7	860.7	753.8	106.96	8.047	
16,200.0	10,530.0	16,395.7	10,524.7	54.6	53.2	89.25	-5,907.2	-1,808.4	860.7	753.1	107.70	7.992	
16,245.0	10,530.0	16,440.7	10,524.6	54.9	53.6	89.24	-5,952.2	-1,808.1	860.8	752.4	108.36	7.943	
16,300.0	10,530.0	16,495.7	10,524.5	55.3	54.1	89.24	-6,007.2	-1,807.7	860.8	751.6	109.18	7.884	
16,340.0	10,530.0	16,535.7	10,524.5	55.5	54.4	89.23	-6,047.2	-1,807.5	860.8	751.0	109.77	7.842	
16,400.0	10,530.0	16,595.7	10,524.3	55.9	54.9	89.22	-6,107.2	-1,807.1	860.8	750.2	110.66	7.779	
16,435.0	10,530.0	16,630.7	10,524.3	56.1	55.2	89.22	-6,142.2	-1,806.9	860.8	749.7	111.18	7.743	
16,500.0	10,530.0	16,695.7	10,524.1	56.5	55.8	89.21	-6,207.2	-1,806.5	860.9	748.7	112.15	7.676	
16,530.0	10,530.0	16,725.7	10,524.1	56.7	56.0	89.21	-6,237.2	-1,806.3	860.9	748.3	112.60	7.646	
16,600.0	10,530.0	16,795.7	10,523.9	57.2	56.6	89.20	-6,307.2	-1,805.9	860.9	747.3	113.64	7.576	
16,625.0	10,530.0	16,820.7	10,523.9	57.3	56.8	89.19	-6,332.2	-1,805.8	860.9	746.9	114.01	7.551	
16,700.0	10,530.0	16,895.7	10,523.7	57.8	57.4	89.18	-6,407.2	-1,805.3	860.9	745.8	115.13	7.478	
16,720.0	10,530.0	16,915.7	10,523.7	58.0	57.6	89.18	-6,427.2	-1,805.2	861.0	745.5	115.43	7.459	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 10158-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		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)		
16,800.0	10,530.0	16,995.7	10,523.5	58.5	58.3	89.17	-6,507.1	-1,804.7	861.0	744.4	116.63	7.382
16,815.0	10,530.0	17,010.7	10,523.5	58.6	58.4	89.17	-6,522.1	-1,804.6	861.0	744.1	116.85	7.368
16,900.0	10,530.0	17,095.7	10,523.3	59.1	59.1	89.16	-6,607.1	-1,804.1	861.0	742.9	118.13	7.289
16,910.0	10,530.0	17,105.7	10,523.3	59.2	59.2	89.16	-6,617.1	-1,804.0	861.0	742.8	118.28	7.280
17,000.0	10,530.0	17,195.7	10,523.1	59.8	60.0	89.14	-6,707.1	-1,803.4	861.1	741.4	119.63	7.198
17,005.0	10,530.0	17,200.7	10,523.1	59.8	60.0	89.14	-6,712.1	-1,803.4	861.1	741.4	119.71	7.193
17,100.0	10,530.0	17,295.7	10,522.9	60.4	60.8	89.13	-6,807.1	-1,802.8	861.1	740.0	121.14	7.108
17,195.0	10,530.0	17,390.7	10,522.7	61.1	61.6	89.12	-6,902.1	-1,802.3	861.1	738.6	122.57	7.026
17,200.0	10,530.0	17,395.7	10,522.7	61.1	61.7	89.12	-6,907.1	-1,802.2	861.1	738.5	122.65	7.021
17,290.0	10,530.0	17,485.7	10,522.5	61.7	62.4	89.10	-6,997.1	-1,801.7	861.2	737.2	124.01	6.944
17,300.0	10,530.0	17,495.7	10,522.5	61.8	62.5	89.10	-7,007.1	-1,801.6	861.2	737.0	124.16	6.936
17,385.0	10,530.0	17,580.7	10,522.3	62.3	63.2	89.09	-7,092.1	-1,801.1	861.2	735.8	125.45	6.865
17,400.0	10,530.0	17,595.7	10,522.3	62.4	63.4	89.09	-7,107.1	-1,801.0	861.2	735.6	125.68	6.853
17,480.0	10,530.0	17,675.7	10,522.2	63.0	64.0	89.08	-7,187.1	-1,800.5	861.3	734.4	126.89	6.788
17,500.0	10,530.0	17,695.7	10,522.1	63.1	64.2	89.08	-7,207.1	-1,800.4	861.3	734.1	127.19	6.771
17,575.0	10,530.0	17,770.7	10,522.0	63.6	64.9	89.07	-7,282.1	-1,799.9	861.3	733.0	128.33	6.711
17,600.0	10,530.0	17,795.7	10,521.9	63.8	65.1	89.06	-7,307.1	-1,799.8	861.3	732.6	128.71	6.692
17,670.0	10,530.0	17,865.7	10,521.8	64.2	65.7	89.05	-7,377.1	-1,799.3	861.3	731.6	129.78	6.637
17,700.0	10,530.0	17,895.7	10,521.7	64.4	65.9	89.05	-7,407.1	-1,799.2	861.3	731.1	130.23	6.614
17,765.0	10,530.0	17,960.7	10,521.6	64.9	66.5	89.04	-7,472.1	-1,798.8	861.4	730.1	131.22	6.564
17,800.0	10,530.0	17,995.7	10,521.5	65.1	66.8	89.04	-7,507.1	-1,798.5	861.4	729.6	131.76	6.538
17,860.0	10,530.0	18,055.7	10,521.4	65.5	67.3	89.03	-7,567.1	-1,798.2	861.4	728.7	132.67	6.493
17,900.0	10,530.0	18,095.7	10,521.3	65.8	67.6	89.02	-7,607.1	-1,797.9	861.4	728.1	133.28	6.463
17,955.0	10,530.0	18,150.7	10,521.2	66.2	68.1	89.02	-7,662.1	-1,797.6	861.5	727.3	134.13	6.423
18,000.0	10,530.0	18,195.7	10,521.1	66.5	68.5	89.01	-7,707.1	-1,797.3	861.5	726.7	134.81	6.390
18,050.0	10,530.0	18,245.7	10,521.0	66.8	68.9	89.00	-7,757.1	-1,797.0	861.5	725.9	135.58	6.354
18,100.0	10,530.0	18,295.7	10,520.9	67.1	69.3	89.00	-7,807.1	-1,796.7	861.5	725.2	136.34	6.319
18,145.0	10,530.0	18,340.7	10,520.8	67.4	69.7	88.99	-7,852.1	-1,796.4	861.5	724.5	137.03	6.287
18,200.0	10,530.0	18,395.7	10,520.7	67.8	70.2	88.98	-7,907.1	-1,796.1	861.6	723.7	137.88	6.249
18,240.0	10,530.0	18,435.7	10,520.6	68.1	70.5	88.98	-7,947.1	-1,795.8	861.6	723.1	138.49	6.221
18,300.0	10,530.0	18,495.7	10,520.5	68.5	71.0	88.97	-8,007.1	-1,795.5	861.6	722.2	139.41	6.180
18,335.0	10,530.0	18,530.7	10,520.4	68.7	71.3	88.96	-8,042.1	-1,795.3	861.6	721.7	139.95	6.157
18,400.0	10,530.0	18,595.7	10,520.3	69.2	71.9	88.96	-8,107.1	-1,794.9	861.6	720.7	140.95	6.113
18,430.0	10,530.0	18,625.7	10,520.2	69.4	72.1	88.95	-8,137.1	-1,794.7	861.6	720.2	141.41	6.093
18,500.0	10,530.0	18,695.7	10,520.1	69.9	72.7	88.94	-8,207.1	-1,794.2	861.7	719.2	142.49	6.047
18,525.0	10,530.0	18,720.7	10,520.0	70.0	72.9	88.94	-8,232.1	-1,794.1	861.7	718.8	142.87	6.031
18,600.0	10,530.0	18,795.7	10,519.9	70.6	73.6	88.93	-8,307.1	-1,793.6	861.7	717.7	144.03	5.983
18,620.0	10,530.0	18,815.7	10,519.8	70.7	73.7	88.93	-8,327.1	-1,793.5	861.7	717.4	144.34	5.970
18,700.0	10,530.0	18,895.7	10,519.7	71.3	74.4	88.92	-8,407.1	-1,793.0	861.8	716.2	145.57	5.920
18,715.0	10,530.0	18,910.7	10,519.7	71.4	74.5	88.91	-8,422.1	-1,792.9	861.8	716.0	145.80	5.911
18,800.0	10,530.0	18,995.7	10,519.5	71.9	75.3	88.90	-8,507.1	-1,792.4	861.8	714.7	147.11	5.858
18,810.0	10,530.0	19,005.7	10,519.5	72.0	75.4	88.90	-8,517.1	-1,792.3	861.8	714.5	147.27	5.852
18,900.0	10,530.0	19,095.7	10,519.3	72.6	76.1	88.89	-8,607.1	-1,791.8	861.8	713.2	148.66	5.799
18,905.0	10,530.0	19,100.7	10,519.3	72.7	76.2	88.89	-8,612.1	-1,791.8	861.8	713.1	148.74	5.794
19,000.0	10,530.0	19,195.7	10,519.1	73.3	77.0	88.88	-8,707.1	-1,791.2	861.9	711.7	150.21	5.738
19,095.0	10,530.0	19,290.7	10,518.9	74.0	77.8	88.86	-8,802.1	-1,790.6	861.9	710.2	151.68	5.683
19,100.0	10,530.0	19,295.7	10,518.9	74.0	77.8	88.86	-8,807.1	-1,790.6	861.9	710.2	151.75	5.680
19,190.0	10,530.0	19,385.7	10,518.7	74.7	78.6	88.85	-8,897.1	-1,790.0	862.0	708.8	153.15	5.628
19,200.0	10,530.0	19,395.7	10,518.7	74.7	78.7	88.85	-8,907.1	-1,789.9	862.0	708.7	153.31	5.622
19,285.0	10,530.0	19,480.7	10,518.5	75.3	79.4	88.84	-8,992.1	-1,789.4	862.0	707.4	154.62	5.575
19,300.0	10,530.0	19,495.7	10,518.5	75.4	79.5	88.83	-9,007.1	-1,789.3	862.0	707.1	154.86	5.566

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #704H - OWB - PWP4													Offset Site Error:	3.0 usft	
Survey Program:		0-Standard Keeper 104, 10158-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 usft
Reference	Offset	Offset		Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	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)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor			
19,380.0	10,530.0	19,575.7	10,518.3	76.0	80.2	88.82	-9,087.1	-1,788.8	862.0	705.9	156.10	5.522			
19,400.0	10,530.0	19,595.7	10,518.3	76.1	80.4	88.82	-9,107.1	-1,788.7	862.0	705.6	156.41	5.511			
19,475.0	10,530.0	19,670.7	10,518.1	76.6	81.0	88.81	-9,182.1	-1,788.3	862.1	704.5	157.58	5.471			
19,500.0	10,530.0	19,695.7	10,518.1	76.8	81.2	88.81	-9,207.1	-1,788.1	862.1	704.1	157.96	5.457			
19,570.0	10,530.0	19,765.7	10,517.9	77.3	81.8	88.80	-9,277.1	-1,787.7	862.1	703.1	159.05	5.420			
19,600.0	10,530.0	19,795.7	10,517.9	77.5	82.1	88.79	-9,307.1	-1,787.5	862.1	702.6	159.52	5.404			
19,665.0	10,530.0	19,860.7	10,517.7	78.0	82.6	88.79	-9,372.1	-1,787.1	862.1	701.6	160.53	5.371			
19,700.0	10,530.0	19,895.7	10,517.7	78.2	82.9	88.78	-9,407.1	-1,786.9	862.2	701.1	161.08	5.352			
19,760.0	10,530.0	19,955.7	10,517.5	78.6	83.5	88.77	-9,467.1	-1,786.5	862.2	700.2	162.01	5.322			
19,800.0	10,530.0	19,995.7	10,517.5	78.9	83.8	88.77	-9,507.1	-1,786.3	862.2	699.6	162.64	5.301			
19,855.0	10,530.0	20,050.7	10,517.4	79.3	84.3	88.76	-9,562.1	-1,785.9	862.2	698.7	163.49	5.274			
19,900.0	10,530.0	20,095.7	10,517.3	79.6	84.6	88.75	-9,607.1	-1,785.6	862.2	698.1	164.20	5.251			
19,950.0	10,530.0	20,145.7	10,517.2	80.0	85.1	88.75	-9,657.1	-1,785.3	862.3	697.3	164.98	5.227			
20,000.0	10,530.0	20,195.7	10,517.1	80.3	85.5	88.74	-9,707.1	-1,785.0	862.3	696.5	165.76	5.202			
20,045.0	10,530.0	20,240.7	10,517.0	80.7	85.9	88.74	-9,752.1	-1,784.8	862.3	695.8	166.46	5.180			
20,100.0	10,530.0	20,295.7	10,516.9	81.0	86.4	88.73	-9,807.1	-1,784.4	862.3	695.0	167.32	5.154			
20,140.0	10,530.0	20,335.7	10,516.8	81.3	86.7	88.72	-9,847.1	-1,784.2	862.3	694.4	167.94	5.135			
20,200.0	10,530.0	20,395.7	10,516.7	81.8	87.2	88.71	-9,907.1	-1,783.8	862.4	693.5	168.88	5.106			
20,235.0	10,530.0	20,430.7	10,516.6	82.0	87.5	88.71	-9,942.1	-1,783.6	862.4	693.0	169.43	5.090			
20,300.0	10,530.0	20,495.7	10,516.5	82.5	88.1	88.70	-10,007.1	-1,783.2	862.4	692.0	170.45	5.060			
20,330.0	10,530.0	20,525.7	10,516.4	82.7	88.3	88.70	-10,037.1	-1,783.0	862.4	691.5	170.92	5.046			
20,392.7	10,530.0	20,588.4	10,516.3	83.1	88.9	88.69	-10,099.8	-1,782.6	862.5	690.6	171.90	5.017			
20,400.0	10,530.0	20,595.7	10,516.2	83.2	88.9	88.69	-10,107.1	-1,782.6	862.5	690.4	172.01	5.014			
20,425.0	10,530.0	20,620.7	10,516.2	83.4	89.1	88.68	-10,132.1	-1,782.4	862.5	690.1	172.40	5.003			
20,500.0	10,530.0	20,695.7	10,516.0	83.9	89.8	88.67	-10,207.1	-1,782.0	862.5	688.9	173.58	4.969			
20,520.0	10,530.0	20,715.7	10,516.0	84.0	89.9	88.67	-10,227.1	-1,781.8	862.5	688.6	173.89	4.960			
20,522.7	10,530.0	20,718.4	10,516.0	84.0	90.0	88.67	-10,229.8	-1,781.8	862.5	688.6	173.93	4.959 ES, 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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 827-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation Factor		Warning	
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.47	-0.5	-60.1	60.1				
95.0	95.0	92.2	92.2	3.0	3.0	-91.10	-1.2	-59.9	59.9	53.9	6.00	9.985	
100.0	100.0	97.2	97.2	3.0	3.0	-91.17	-1.2	-59.9	59.9	53.9	6.00	9.982	
186.3	186.3	183.3	183.3	3.0	3.0	-92.63	-2.7	-59.6	59.6	53.6	6.00	9.934	
190.0	190.0	187.0	187.0	3.0	3.0	-92.68	-2.8	-59.6	59.6	53.6	6.00	9.934	
200.0	200.0	196.8	196.8	3.0	3.0	-92.79	-2.9	-59.6	59.6	53.6	6.00	9.937	
285.0	285.0	281.9	281.9	3.0	3.0	-92.98	-3.1	-59.7	59.8	53.8	6.01	9.953	
300.0	300.0	296.8	296.8	3.0	3.0	-92.97	-3.1	-59.8	59.8	53.8	6.01	9.958	
380.0	380.0	377.2	377.2	3.0	3.0	-92.91	-3.0	-59.9	60.0	53.9	6.02	9.966	
400.0	400.0	397.3	397.2	3.0	3.0	-92.90	-3.0	-59.8	59.9	53.9	6.02	9.951	
475.0	475.0	472.6	472.6	3.0	3.0	-92.97	-3.1	-59.3	59.4	53.4	6.03	9.858	
500.0	500.0	497.6	497.6	3.1	3.0	-93.02	-3.1	-59.1	59.2	53.1	6.03	9.813	
570.0	570.0	567.4	567.4	3.1	3.0	-93.49	-3.6	-58.5	58.6	52.5	6.04	9.696	
600.0	600.0	597.3	597.3	3.1	3.0	-93.70	-3.8	-58.3	58.4	52.4	6.05	9.657	
665.0	665.0	662.2	662.1	3.1	3.0	-94.35	-4.4	-58.0	58.2	52.1	6.07	9.594	
700.0	700.0	697.2	697.2	3.1	3.1	-94.65	-4.7	-57.9	58.1	52.0	6.10	9.525	
760.0	760.0	757.2	757.2	3.1	3.1	-94.83	-4.9	-57.7	57.9	51.7	6.18	9.371	
800.0	800.0	797.2	797.2	3.2	3.2	-94.72	-4.8	-57.6	57.8	51.5	6.25	9.243	
855.0	855.0	852.3	852.3	3.2	3.3	-94.29	-4.3	-57.4	57.6	51.2	6.34	9.082	
900.0	900.0	897.4	897.3	3.2	3.4	-93.81	-3.8	-57.2	57.3	50.9	6.39	8.969	
950.0	950.0	947.3	947.2	3.2	3.4	-93.27	-3.3	-57.0	57.0	50.6	6.44	8.852	
1,000.0	1,000.0	997.2	997.2	3.2	3.5	-92.72	-2.7	-56.8	56.9	50.4	6.52	8.729	
1,045.0	1,045.0	1,042.2	1,042.1	3.3	3.6	-92.13	-2.1	-56.7	56.8	50.2	6.59	8.612	
1,100.0	1,100.0	1,097.2	1,097.1	3.3	3.7	-91.31	-1.3	-56.6	56.6	50.0	6.69	8.467	
1,140.0	1,140.0	1,137.2	1,137.1	3.3	3.8	-90.70	-0.7	-56.6	56.6	49.8	6.76	8.361	
1,200.0	1,200.0	1,197.1	1,197.0	3.4	3.9	-89.74	0.3	-56.5	56.5	49.6	6.88	8.204	
1,235.0	1,235.0	1,232.1	1,232.0	3.4	4.0	-89.16	0.8	-56.4	56.5	49.5	6.95	8.118	
1,237.8	1,237.8	1,234.9	1,234.8	3.4	4.0	-89.11	0.9	-56.4	56.5	49.5	6.96	8.111	
1,300.0	1,300.0	1,297.1	1,297.0	3.4	4.1	-87.94	2.0	-56.4	56.5	49.4	7.09	7.961	
1,330.0	1,330.0	1,327.0	1,327.0	3.4	4.2	-87.30	2.7	-56.4	56.5	49.3	7.16	7.891	
1,400.0	1,400.0	1,396.6	1,396.5	3.5	4.3	-85.68	4.3	-56.7	56.9	49.5	7.31	7.781	
1,425.0	1,425.0	1,421.4	1,421.3	3.5	4.4	-85.08	4.9	-56.9	57.1	49.8	7.36	7.761	
1,500.0	1,500.0	1,496.2	1,496.0	3.5	4.6	-83.64	6.5	-57.9	58.2	50.7	7.53	7.736	
1,520.0	1,520.0	1,516.1	1,516.0	3.6	4.6	-83.35	6.8	-58.2	58.6	51.0	7.57	7.733	
1,600.0	1,600.0	1,595.9	1,595.7	3.6	4.8	-82.33	8.0	-59.5	60.1	52.3	7.77	7.735	
1,615.0	1,615.0	1,611.1	1,610.9	3.6	4.9	-82.15	8.2	-59.8	60.4	52.6	7.81	7.732	
1,700.0	1,700.0	1,697.3	1,697.1	3.7	5.1	-81.51	9.0	-60.3	61.0	52.9	8.05	7.570	
1,710.0	1,710.0	1,707.3	1,707.2	3.7	5.2	-81.47	9.0	-60.3	60.9	52.9	8.09	7.537	
1,800.0	1,800.0	1,797.6	1,797.4	3.8	5.4	-81.24	9.2	-59.8	60.5	52.1	8.38	7.221	
1,805.0	1,805.0	1,802.6	1,802.4	3.8	5.4	-81.23	9.2	-59.8	60.5	52.1	8.40	7.203	
1,900.0	1,900.0	1,897.7	1,897.6	3.9	5.6	-81.12	9.2	-59.0	59.7	51.0	8.70	6.862	
1,995.0	1,995.0	1,992.7	1,992.5	3.9	5.9	-81.15	9.0	-58.1	58.8	49.8	9.00	6.534	
2,000.0	2,000.0	1,997.7	1,997.5	3.9	5.9	-81.16	9.0	-58.1	58.8	49.7	9.02	6.518	
2,090.0	2,090.0	2,087.7	2,087.5	4.1	6.1	-67.67	8.7	-57.4	57.5	48.2	9.29	6.187	
2,100.0	2,100.0	2,097.7	2,097.5	4.2	6.2	-68.02	8.7	-57.3	57.3	48.0	9.32	6.144	
2,185.0	2,184.9	2,182.6	2,182.4	4.7	6.4	-72.42	8.3	-56.6	55.1	45.5	9.61	5.732	
2,200.0	2,199.8	2,197.5	2,197.3	4.8	6.5	-73.49	8.2	-56.4	54.6	45.0	9.66	5.657	
2,250.0	2,249.7	2,247.3	2,247.1	4.9	6.6	-77.71	8.1	-56.0	53.3	43.4	9.85	5.405	
2,280.0	2,279.6	2,277.1	2,276.9	5.0	6.7	-80.57	8.0	-55.8	52.6	42.6	9.99	5.262	
2,300.0	2,299.5	2,297.0	2,296.8	5.0	6.7	-82.50	8.0	-55.7	52.2	42.1	10.09	5.176	
2,375.0	2,374.2	2,371.6	2,371.4	5.1	7.0	-89.95	7.8	-55.4	51.5	41.0	10.52	4.894	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 827-MWD+IFR1+MS												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		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,393.0	2,392.2	2,389.5	2,389.3	5.1	7.0	-91.80	7.7	-55.3	51.5	40.8	10.64	4.838	
2,400.0	2,399.1	2,396.4	2,396.2	5.1	7.0	-92.53	7.7	-55.3	51.5	40.8	10.68	4.817	
2,470.0	2,468.8	2,466.1	2,465.9	5.2	7.3	-99.77	7.2	-55.0	52.0	40.8	11.20	4.642	
2,500.0	2,498.7	2,495.9	2,495.7	5.3	7.4	-102.79	7.1	-54.9	52.5	41.1	11.44	4.590	
2,535.0	2,533.6	2,530.8	2,530.6	5.3	7.5	-106.23	6.9	-54.8	53.3	41.6	11.70	4.553	
2,565.0	2,563.5	2,560.7	2,560.5	5.3	7.6	-102.38	6.7	-54.7	53.9	42.0	11.94	4.516	
2,600.0	2,598.4	2,595.6	2,595.3	5.4	7.7	-97.36	6.5	-54.5	54.4	42.2	12.22	4.455	
2,660.0	2,658.2	2,655.3	2,655.1	5.6	7.9	-88.55	6.1	-54.3	54.7	41.8	12.86	4.253	
2,700.0	2,698.0	2,695.2	2,695.0	5.8	8.0	-83.39	5.9	-54.0	54.5	41.2	13.31	4.092	
2,755.0	2,752.8	2,749.8	2,749.6	6.1	8.2	-78.35	5.3	-53.5	53.8	39.8	13.95	3.855	
2,800.0	2,797.6	2,794.5	2,794.2	6.4	8.3	-76.34	4.7	-53.0	53.0	38.5	14.49	3.658	
2,850.0	2,847.3	2,844.0	2,843.7	6.6	8.5	-76.31	3.8	-52.2	52.1	37.1	14.97	3.481	
2,900.0	2,896.9	2,893.4	2,893.1	6.9	8.7	-78.46	2.8	-51.4	51.4	35.9	15.46	3.324	
2,941.6	2,938.2	2,934.4	2,934.1	7.0	8.8	-81.77	1.9	-50.6	51.2	35.4	15.77	3.245 CC	
2,945.0	2,941.5	2,937.7	2,937.5	7.0	8.8	-82.09	1.8	-50.5	51.2	35.4	15.80	3.240 ES	
3,000.0	2,995.9	2,991.7	2,991.4	7.2	9.0	-88.35	0.4	-49.2	51.8	35.6	16.19	3.202 SF	
3,040.0	3,035.4	3,030.7	3,030.3	7.4	9.1	-93.89	-0.8	-48.0	53.3	36.9	16.38	3.256	
3,100.0	3,094.4	3,089.2	3,088.7	7.5	9.3	-102.91	-2.8	-45.8	57.5	40.9	16.61	3.461	
3,135.0	3,128.8	3,123.1	3,122.7	7.6	9.4	-108.12	-3.9	-44.4	61.1	44.4	16.66	3.665	
3,144.0	3,137.6	3,131.8	3,131.4	7.6	9.5	-109.43	-4.2	-44.0	62.1	45.4	16.67	3.726	
3,200.0	3,192.5	3,187.1	3,186.5	7.7	9.7	-118.94	-5.9	-41.8	69.5	52.8	16.75	4.150	
3,230.0	3,221.9	3,216.8	3,216.2	7.8	9.8	-123.18	-6.6	-40.9	73.8	57.0	16.81	4.392	
3,300.0	3,290.5	3,286.7	3,286.1	8.0	10.0	-131.08	-8.1	-39.7	84.3	67.3	16.98	4.963	
3,325.0	3,315.0	3,311.9	3,311.3	8.0	10.1	-133.30	-8.7	-39.7	88.0	70.9	17.07	5.154	
3,400.0	3,388.5	3,387.8	3,387.2	8.2	10.3	-138.73	-10.0	-41.0	98.5	81.0	17.47	5.637	
3,420.0	3,408.1	3,408.1	3,407.4	8.2	10.4	-139.94	-10.2	-41.6	101.1	83.5	17.59	5.750	
3,500.0	3,486.5	3,486.9	3,486.2	8.4	10.7	-144.09	-11.2	-44.3	111.9	93.9	18.01	6.211	
3,515.0	3,501.2	3,501.7	3,501.0	8.5	10.7	-144.78	-11.4	-44.7	114.0	95.9	18.10	6.297	
3,600.0	3,584.4	3,585.4	3,584.6	8.7	11.0	-148.27	-12.4	-47.4	126.1	107.5	18.55	6.797	
3,610.0	3,594.2	3,595.3	3,594.5	8.7	11.0	-148.64	-12.6	-47.8	127.5	108.9	18.60	6.855	
3,700.0	3,682.4	3,684.4	3,683.5	9.0	11.3	-151.60	-13.7	-50.7	140.7	121.6	19.11	7.360	
3,705.0	3,687.3	3,689.3	3,688.4	9.0	11.3	-151.74	-13.7	-50.9	141.4	122.3	19.14	7.388	
3,800.0	3,780.4	3,782.6	3,781.7	9.2	11.6	-154.25	-14.9	-54.0	155.7	136.0	19.71	7.902	
3,895.0	3,873.5	3,876.2	3,875.3	9.5	11.9	-156.35	-16.2	-57.0	170.4	150.1	20.29	8.397	
3,900.0	3,878.4	3,881.1	3,880.2	9.5	11.9	-156.45	-16.2	-57.1	171.1	150.8	20.32	8.422	
3,990.0	3,966.6	3,969.7	3,968.7	9.8	12.2	-158.14	-17.4	-59.9	185.3	164.4	20.89	8.872	
4,000.0	3,976.4	3,979.6	3,978.6	9.8	12.3	-158.31	-17.5	-60.2	186.9	165.9	20.95	8.920	
4,085.0	4,059.7	4,063.6	4,062.5	10.1	12.5	-159.68	-18.5	-62.8	200.3	178.8	21.50	9.319	
4,100.0	4,074.4	4,078.3	4,077.3	10.1	12.6	-159.91	-18.6	-63.2	202.7	181.1	21.59	9.388	
4,180.0	4,152.8	4,156.8	4,155.8	10.4	12.9	-161.04	-19.4	-65.6	215.5	193.4	22.11	9.748	
4,200.0	4,172.4	4,176.5	4,175.4	10.4	12.9	-161.31	-19.6	-66.2	218.8	196.5	22.24	9.837	
4,275.0	4,245.9	4,250.1	4,249.0	10.7	13.2	-162.27	-20.2	-68.2	231.0	208.3	22.73	10.164	
4,300.0	4,270.4	4,274.8	4,273.6	10.7	13.3	-162.58	-20.4	-68.9	235.2	212.3	22.90	10.271	
4,370.0	4,339.0	4,342.8	4,341.6	11.0	13.5	-163.46	-20.5	-70.7	246.8	223.4	23.35	10.569	
4,400.0	4,368.4	4,371.4	4,370.2	11.1	13.6	-163.88	-20.3	-71.3	251.9	228.3	23.53	10.703	
4,465.0	4,432.1	4,434.4	4,433.2	11.3	13.8	-164.89	-19.1	-72.2	263.3	239.4	23.95	10.996	
4,500.0	4,466.4	4,468.9	4,467.7	11.4	13.9	-165.43	-18.4	-72.7	269.5	245.4	24.18	11.149	
4,560.0	4,525.2	4,527.7	4,526.5	11.6	14.1	-166.31	-17.0	-73.6	280.2	255.7	24.57	11.407	
4,600.0	4,564.4	4,566.8	4,565.6	11.7	14.3	-166.85	-16.2	-74.1	287.4	262.6	24.83	11.577	
4,655.0	4,618.3	4,620.7	4,619.5	11.9	14.4	-167.54	-15.1	-74.8	297.3	272.1	25.18	11.806	
4,700.0	4,662.4	4,664.9	4,663.6	12.0	14.6	-168.07	-14.2	-75.4	305.5	280.0	25.48	11.989	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 827-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
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)	Between Ellipses (usft)	Separation (usft)	Factor		
4,750.0	4,711.4	4,714.4	4,713.1	12.2	14.8	-168.62	-13.2	-76.2	314.6	288.7	25.81	12.186		
4,800.0	4,760.4	4,764.0	4,762.7	12.4	14.9	-169.15	-12.2	-76.9	323.6	297.4	26.15	12.375		
4,845.0	4,804.4	4,808.1	4,806.8	12.5	15.1	-169.60	-11.3	-77.7	331.7	305.2	26.44	12.542		
4,900.0	4,858.3	4,861.5	4,860.2	12.7	15.3	-170.12	-10.2	-78.5	341.6	314.8	26.81	12.744		
4,940.0	4,897.5	4,898.9	4,897.6	12.8	15.4	-170.45	-9.5	-78.9	349.0	322.0	27.06	12.897		
5,000.0	4,956.3	4,955.2	4,953.8	13.1	15.6	-170.86	-8.9	-79.2	360.6	333.1	27.45	13.134		
5,035.0	4,990.6	4,988.6	4,987.3	13.2	15.7	-171.07	-8.6	-79.2	367.5	339.8	27.69	13.273		
5,100.0	5,054.3	5,051.2	5,049.8	13.4	15.9	-171.40	-8.4	-79.1	380.5	352.3	28.12	13.528		
5,130.0	5,083.7	5,080.8	5,079.5	13.5	16.0	-171.55	-8.3	-79.0	386.5	358.2	28.33	13.640		
5,200.0	5,152.3	5,150.1	5,148.7	13.7	16.2	-171.87	-8.1	-78.8	400.5	371.6	28.82	13.893		
5,225.0	5,176.8	5,174.8	5,173.4	13.8	16.3	-171.98	-8.0	-78.8	405.4	376.4	29.00	13.981		
5,300.0	5,250.3	5,248.8	5,247.5	14.1	16.6	-172.28	-7.9	-78.8	420.3	390.7	29.52	14.237		
5,320.0	5,269.9	5,268.5	5,267.2	14.2	16.6	-172.36	-7.9	-78.8	424.2	394.5	29.66	14.304		
5,400.0	5,348.3	5,347.5	5,346.2	14.4	16.9	-172.65	-7.8	-78.9	439.9	409.7	30.21	14.563		
5,415.0	5,363.0	5,362.4	5,361.0	14.5	17.0	-172.70	-7.8	-78.9	442.9	412.5	30.31	14.610		
5,500.0	5,446.3	5,446.5	5,445.1	14.8	17.3	-173.01	-7.5	-79.2	459.4	428.5	30.90	14.867		
5,510.0	5,456.1	5,456.4	5,455.1	14.8	17.3	-173.04	-7.5	-79.2	461.4	430.4	30.97	14.897		
5,600.0	5,544.3	5,545.2	5,543.8	15.1	17.6	-173.34	-7.2	-79.7	478.8	447.2	31.59	15.153		
5,605.0	5,549.2	5,550.1	5,548.7	15.2	17.6	-173.36	-7.2	-79.7	479.7	448.1	31.63	15.167		
5,700.0	5,642.3	5,661.3	5,659.9	15.5	18.0	-173.62	-7.6	-81.8	496.8	464.4	32.45	15.310		
5,795.0	5,735.4	5,758.4	5,756.9	15.8	18.4	-173.78	-8.8	-86.2	511.4	478.2	33.21	15.396		
5,800.0	5,740.3	5,763.5	5,762.0	15.9	18.4	-173.79	-8.8	-86.5	512.1	478.9	33.25	15.402		
5,890.0	5,828.5	5,855.9	5,854.3	16.2	18.8	-174.05	-8.8	-91.3	525.4	491.5	33.90	15.499		
5,900.0	5,838.3	5,866.1	5,864.5	16.2	18.8	-174.08	-8.7	-91.8	526.8	492.9	33.97	15.509		
5,985.0	5,921.6	5,952.8	5,951.0	16.5	19.1	-174.32	-8.8	-96.8	538.8	504.3	34.58	15.584		
6,000.0	5,936.3	5,968.1	5,966.3	16.6	19.2	-174.35	-8.9	-97.8	540.9	506.2	34.68	15.595		
6,080.0	6,014.7	6,050.5	6,048.6	16.9	19.4	-174.47	-9.8	-102.9	551.8	516.5	35.26	15.647		
6,100.0	6,034.2	6,071.8	6,069.7	16.9	19.5	-174.50	-10.1	-104.4	554.4	519.0	35.41	15.656		
6,175.0	6,107.7	6,152.0	6,149.7	17.2	19.8	-174.59	-11.2	-110.3	563.8	527.8	35.97	15.676		
6,200.0	6,132.2	6,179.0	6,176.7	17.3	19.9	-174.62	-11.6	-112.4	566.7	530.6	36.15	15.677		
6,270.0	6,200.8	6,250.3	6,247.7	17.6	20.1	-174.70	-12.8	-118.5	574.6	538.0	36.66	15.676		
6,300.0	6,230.2	6,279.4	6,276.7	17.7	20.2	-174.73	-13.2	-121.0	578.0	541.2	36.87	15.678		
6,365.0	6,293.9	6,343.1	6,340.1	17.9	20.5	-174.80	-14.3	-126.3	585.5	548.2	37.33	15.684		
6,400.0	6,328.2	6,377.5	6,374.5	18.0	20.6	-174.84	-14.8	-129.2	589.6	552.0	37.58	15.688		
6,460.0	6,387.0	6,436.6	6,433.3	18.3	20.8	-174.91	-15.5	-134.0	596.5	558.5	38.01	15.696		
6,500.0	6,426.2	6,476.0	6,472.5	18.4	20.9	-174.97	-15.9	-137.3	601.2	562.9	38.29	15.701		
6,555.0	6,480.1	6,531.2	6,527.6	18.6	21.1	-175.06	-16.4	-141.8	607.7	569.0	38.69	15.708		
6,600.0	6,524.2	6,577.0	6,573.2	18.8	21.3	-175.13	-16.8	-145.6	612.9	573.9	39.01	15.710		
6,650.0	6,573.2	6,632.6	6,628.6	19.0	21.5	-175.24	-17.1	-150.6	618.4	579.0	39.39	15.700		
6,700.0	6,622.2	6,685.3	6,681.1	19.1	21.7	-175.36	-17.2	-155.8	623.5	583.7	39.75	15.683		
6,745.0	6,666.3	6,729.6	6,725.2	19.3	21.8	-175.46	-17.3	-160.2	628.0	587.9	40.07	15.671		
6,800.0	6,720.2	6,783.8	6,779.1	19.5	22.0	-175.57	-17.5	-165.5	633.6	593.1	40.47	15.658		
6,840.0	6,759.4	6,823.3	6,818.4	19.7	22.2	-175.66	-17.6	-169.3	637.7	596.9	40.75	15.648		
6,900.0	6,818.2	6,882.1	6,876.9	19.9	22.4	-175.78	-17.8	-175.0	643.9	602.7	41.18	15.636		
6,935.0	6,852.5	6,916.3	6,911.0	20.0	22.5	-175.85	-17.9	-178.3	647.5	606.1	41.43	15.631		
7,000.0	6,916.2	6,981.4	6,975.7	20.2	22.7	-175.97	-18.1	-184.5	654.4	612.5	41.90	15.619		
7,030.0	6,945.6	7,011.7	7,005.9	20.4	22.8	-176.02	-18.3	-187.4	657.5	615.4	42.11	15.613		
7,100.0	7,014.2	7,078.0	7,072.0	20.6	23.0	-176.13	-18.8	-193.7	664.9	622.3	42.61	15.605		
7,125.0	7,038.7	7,101.4	7,095.2	20.7	23.1	-176.16	-18.9	-195.8	667.6	624.8	42.78	15.606		
7,200.0	7,112.2	7,171.0	7,164.6	21.0	23.4	-176.27	-19.3	-201.7	676.2	632.9	43.30	15.616		
7,220.0	7,131.8	7,189.5	7,183.0	21.1	23.4	-176.30	-19.4	-203.2	678.6	635.1	43.44	15.621		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 827-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		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)	Minimum Separation (usft)	Separation Factor	
7,300.0	7,210.2	7,261.5	7,254.8	21.4	23.7	-176.41	-19.7	-208.6	688.6	644.6	43.98	15.655	
7,315.0	7,224.9	7,274.9	7,268.1	21.4	23.7	-176.43	-19.8	-209.5	690.5	646.5	44.08	15.664	
7,400.0	7,308.1	7,383.6	7,376.5	21.7	24.2	-176.55	-20.7	-218.2	700.9	656.1	44.83	15.635	
7,410.0	7,317.9	7,397.9	7,390.7	21.8	24.2	-176.56	-20.9	-219.6	701.8	656.9	44.92	15.625	
7,500.0	7,406.1	7,501.9	7,493.9	22.1	24.7	-176.79	-20.9	-232.6	708.6	662.9	45.70	15.508	
7,505.0	7,411.0	7,506.1	7,498.0	22.1	24.7	-176.80	-20.9	-233.1	709.0	663.3	45.73	15.503	
7,600.0	7,504.1	7,588.7	7,580.1	22.5	25.0	-177.00	-20.7	-242.9	716.9	670.5	46.42	15.443	
7,648.7	7,551.8	7,636.4	7,627.5	22.7	25.2	-177.12	-20.4	-248.2	721.3	674.5	46.77	15.421	
7,695.0	7,597.3	7,686.5	7,677.3	22.8	25.4	-177.26	-19.9	-253.9	725.1	678.0	47.12	15.388	
7,700.0	7,602.2	7,692.3	7,683.1	22.8	25.4	-177.28	-19.8	-254.5	725.4	678.3	47.16	15.383	
7,790.0	7,691.0	7,790.3	7,780.3	23.2	25.8	-177.65	-17.7	-267.0	729.3	681.4	47.88	15.233	
7,800.0	7,700.8	7,800.4	7,790.3	23.2	25.8	-177.68	-17.5	-268.4	729.5	681.6	47.96	15.213	
7,885.0	7,785.1	7,882.2	7,871.4	23.6	26.1	-177.91	-16.5	-278.9	730.1	681.5	48.65	15.009	
7,900.0	7,800.0	7,896.1	7,885.2	23.6	26.2	-177.94	-16.4	-280.6	730.0	681.3	48.77	14.970	
7,980.0	7,879.6	7,969.9	7,958.4	23.9	26.4	-178.08	-16.2	-289.4	728.6	679.2	49.39	14.751	
8,000.0	7,899.5	7,988.3	7,976.7	24.0	26.5	-178.12	-16.2	-291.4	728.0	678.5	49.55	14.692	
8,075.0	7,974.4	8,056.0	8,044.0	24.3	26.7	-178.23	-16.0	-298.7	725.0	674.8	50.13	14.462	
8,100.0	7,999.3	8,078.2	8,066.1	24.4	26.8	-178.25	-16.0	-300.9	723.7	673.4	50.32	14.382	
8,170.0	8,069.3	8,145.8	8,133.4	24.7	27.0	-178.30	-16.5	-307.2	719.3	668.5	50.86	14.142	
8,200.0	8,099.3	8,176.9	8,164.4	24.8	27.2	-178.31	-16.8	-310.1	716.9	665.8	51.11	14.028	
8,223.7	8,123.0	8,201.7	8,189.0	24.9	27.2	80.98	-17.2	-312.4	714.7	663.5	51.27	13.941	
8,265.0	8,164.3	8,251.6	8,238.7	25.0	27.4	80.98	-18.1	-317.5	710.5	658.9	51.57	13.776	
8,300.0	8,199.3	8,293.8	8,280.6	25.1	27.6	80.98	-18.8	-322.3	706.5	654.7	51.83	13.632	
8,360.0	8,259.3	8,351.8	8,338.3	25.3	27.8	81.00	-20.0	-329.0	699.4	647.2	52.23	13.393	
8,400.0	8,299.3	8,395.2	8,381.3	25.4	28.0	81.02	-21.1	-334.0	694.7	642.2	52.51	13.231	
8,455.0	8,354.3	8,470.9	8,456.3	25.6	28.2	81.04	-23.0	-344.2	687.2	634.2	52.92	12.984	
8,500.0	8,399.3	8,510.1	8,495.0	25.7	28.4	81.04	-23.9	-350.0	680.5	627.2	53.24	12.782	
8,550.0	8,449.3	8,553.7	8,538.2	25.9	28.6	81.05	-24.9	-356.0	673.4	619.8	53.58	12.568	
8,600.0	8,499.3	8,601.2	8,585.3	26.0	28.7	81.04	-25.9	-362.4	666.7	612.8	53.92	12.366	
8,645.0	8,544.3	8,644.8	8,628.5	26.1	28.9	81.02	-26.6	-368.1	660.7	606.5	54.22	12.187	
8,700.0	8,599.3	8,702.8	8,686.0	26.3	29.1	80.96	-27.1	-375.9	653.4	598.8	54.58	11.970	
8,740.0	8,639.3	8,745.5	8,728.3	26.4	29.3	80.87	-27.0	-382.0	647.8	592.9	54.85	11.810	
8,800.0	8,699.3	8,796.3	8,778.6	26.6	29.4	80.73	-26.6	-389.0	639.7	584.4	55.23	11.581	
8,835.0	8,734.3	8,826.3	8,808.3	26.7	29.6	80.64	-26.2	-392.8	635.3	579.8	55.46	11.456	
8,900.0	8,799.3	8,887.3	8,868.9	26.9	29.8	80.45	-25.3	-400.3	627.6	571.8	55.88	11.232	
8,930.0	8,829.3	8,915.8	8,897.1	27.0	29.9	80.35	-24.8	-403.6	624.2	568.1	56.08	11.131	
9,000.0	8,899.3	8,974.2	8,955.2	27.2	30.1	80.18	-24.0	-410.0	616.8	560.3	56.51	10.915	
9,025.0	8,924.3	8,994.8	8,975.6	27.3	30.2	80.12	-23.7	-412.0	614.5	557.9	56.67	10.845	
9,100.0	8,999.3	9,071.5	9,052.0	27.5	30.5	79.93	-22.9	-418.9	608.1	550.9	57.18	10.634	
9,120.0	9,019.3	9,093.7	9,074.2	27.6	30.6	79.87	-22.7	-421.0	606.2	548.9	57.33	10.574	
9,200.0	9,099.3	9,174.1	9,154.1	27.8	30.8	79.67	-22.0	-429.1	598.4	540.6	57.86	10.343	
9,215.0	9,114.3	9,188.9	9,168.9	27.9	30.9	79.64	-21.9	-430.5	597.0	539.0	57.96	10.300	
9,300.0	9,199.3	9,270.6	9,250.2	28.2	31.2	79.45	-21.4	-438.4	589.0	530.5	58.52	10.065	
9,310.0	9,209.3	9,280.2	9,259.7	28.2	31.2	79.43	-21.3	-439.3	588.1	529.5	58.58	10.039	
9,400.0	9,299.3	9,363.8	9,343.0	28.5	31.5	79.27	-21.1	-446.7	580.4	521.2	59.16	9.810	
9,405.0	9,304.3	9,368.4	9,347.6	28.5	31.5	79.27	-21.1	-447.1	580.0	520.8	59.19	9.798	
9,500.0	9,399.3	9,485.1	9,463.6	28.8	32.0	78.91	-19.8	-459.2	570.4	510.5	59.91	9.521	
9,595.0	9,494.3	9,578.9	9,556.6	29.1	32.4	78.36	-16.7	-471.2	559.1	498.5	60.55	9.233	
9,600.0	9,499.3	9,583.3	9,561.0	29.1	32.4	78.33	-16.6	-471.8	558.5	497.9	60.58	9.218	
9,690.0	9,589.3	9,663.6	9,640.7	29.4	32.7	77.84	-13.8	-481.2	548.8	487.7	61.16	8.974	
9,700.0	9,599.3	9,672.5	9,649.6	29.4	32.7	77.79	-13.4	-482.1	547.8	486.6	61.22	8.948	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 827-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
9,785.0	9,684.3	9,749.2	9,725.8	29.7	33.0	77.35	-10.9	-489.7	540.2	478.5	61.76	8.747
9,800.0	9,699.3	9,762.9	9,739.5	29.7	33.0	77.28	-10.4	-491.0	539.0	477.1	61.85	8.714
9,880.0	9,779.3	9,837.3	9,813.5	30.0	33.3	76.88	-8.1	-497.2	533.1	470.7	62.36	8.548
9,900.0	9,799.3	9,857.7	9,833.9	30.0	33.4	76.78	-7.5	-498.8	531.6	469.2	62.49	8.507
9,975.0	9,874.3	9,933.6	9,909.5	30.3	33.6	76.39	-5.3	-504.9	526.2	463.2	63.00	8.353
10,000.0	9,899.3	9,958.0	9,933.8	30.4	33.7	76.27	-4.6	-506.9	524.4	461.3	63.16	8.303
10,070.0	9,969.3	10,025.7	10,001.3	30.6	34.0	75.95	-2.9	-512.2	519.5	455.9	63.61	8.167
10,100.0	9,999.3	10,054.1	10,029.6	30.7	34.1	75.83	-2.3	-514.3	517.6	453.8	63.81	8.112
10,153.2	10,052.5	10,104.7	10,080.1	30.8	34.3	75.62	-1.2	-517.8	514.3	450.2	64.08	8.025
10,165.0	10,064.3	10,116.5	10,091.8	30.8	34.3	-101.08	-1.0	-518.5	513.6	449.5	64.12	8.010
10,175.0	10,074.3	10,126.4	10,101.7	30.8	34.3	-101.22	-0.8	-519.2	513.1	448.9	64.16	7.997
10,200.0	10,099.2	10,151.2	10,126.5	30.8	34.4	-101.65	-0.3	-520.9	512.0	447.7	64.24	7.970
10,225.0	10,124.0	10,169.0	10,144.2	30.8	34.5	-102.04	0.1	-522.0	511.2	446.9	64.26	7.954
10,231.0	10,129.9	10,169.0	10,144.2	30.8	34.5	-102.05	0.1	-522.0	511.1	446.9	64.23	7.957
10,250.0	10,148.6	10,169.0	10,144.2	30.8	34.5	-101.99	0.1	-522.0	511.6	447.5	64.10	7.981
10,260.0	10,158.4	10,169.0	10,144.2	30.8	34.5	-101.93	0.1	-522.0	512.1	448.1	64.01	8.001
10,275.0	10,173.0	10,169.0	10,144.2	30.8	34.5	-101.77	0.1	-522.0	513.4	449.6	63.85	8.042
10,300.0	10,197.0	10,169.0	10,144.2	30.8	34.5	-101.38	0.1	-522.0	516.8	453.3	63.51	8.137
10,325.0	10,220.6	10,169.0	10,144.2	30.8	34.5	-100.80	0.1	-522.0	521.6	458.5	63.11	8.264
10,350.0	10,243.8	10,169.0	10,144.2	30.8	34.5	-100.05	0.1	-522.0	527.7	465.1	62.66	8.422
10,355.0	10,248.3	10,169.0	10,144.2	30.9	34.5	-99.88	0.1	-522.0	529.1	466.5	62.57	8.457
10,375.0	10,266.4	10,169.0	10,144.2	30.9	34.5	-99.12	0.1	-522.0	535.2	473.0	62.18	8.608
10,400.0	10,288.5	10,169.0	10,144.2	30.9	34.5	-98.02	0.1	-522.0	543.9	482.2	61.67	8.819
10,425.0	10,309.9	10,169.0	10,144.2	30.9	34.5	-96.74	0.1	-522.0	553.8	492.6	61.16	9.054
10,450.0	10,330.6	10,169.0	10,144.2	30.9	34.5	-95.29	0.1	-522.0	564.7	504.1	60.67	9.309
10,475.0	10,350.5	10,169.0	10,144.2	30.9	34.5	-93.66	0.1	-522.0	576.7	516.5	60.19	9.580
10,500.0	10,369.6	10,169.0	10,144.2	31.0	34.5	-91.88	0.1	-522.0	589.5	529.7	59.75	9.865
10,525.0	10,387.9	10,169.0	10,144.2	31.0	34.5	-89.93	0.1	-522.0	603.1	543.7	59.35	10.161
10,545.0	10,401.8	10,169.0	10,144.2	31.0	34.5	-88.26	0.1	-522.0	614.5	555.4	59.07	10.403
10,550.0	10,405.2	10,169.0	10,144.2	31.0	34.5	-87.83	0.1	-522.0	617.4	558.4	59.00	10.465
10,575.0	10,421.6	10,169.0	10,144.2	31.0	34.5	-85.59	0.1	-522.0	632.4	573.7	58.70	10.773
10,600.0	10,436.9	10,169.0	10,144.2	31.0	34.5	-83.24	0.1	-522.0	647.9	589.4	58.45	11.084
10,625.0	10,451.2	10,169.0	10,144.2	31.1	34.5	-80.77	0.1	-522.0	663.8	605.6	58.26	11.395
10,640.0	10,459.3	10,169.0	10,144.2	31.1	34.5	-79.25	0.1	-522.0	673.6	615.4	58.17	11.581
10,650.0	10,464.4	10,169.0	10,144.2	31.1	34.5	-78.22	0.1	-522.0	680.2	622.1	58.11	11.704
10,675.0	10,476.5	10,169.0	10,144.2	31.1	34.5	-75.61	0.1	-522.0	696.8	638.8	58.02	12.010
10,700.0	10,487.4	10,169.0	10,144.2	31.1	34.5	-72.96	0.1	-522.0	713.7	655.8	57.98	12.310
10,725.0	10,497.1	10,169.0	10,144.2	31.2	34.5	-70.29	0.1	-522.0	730.8	672.9	57.98	12.605
10,735.0	10,500.7	10,169.0	10,144.2	31.2	34.5	-69.22	0.1	-522.0	737.7	679.7	57.99	12.721
10,750.0	10,505.6	10,169.0	10,144.2	31.2	34.5	-67.62	0.1	-522.0	748.1	690.1	58.02	12.892
10,775.0	10,512.9	10,169.0	10,144.2	31.2	34.5	-64.99	0.1	-522.0	765.4	707.3	58.11	13.172
10,800.0	10,518.9	10,169.0	10,144.2	31.2	34.5	-62.40	0.1	-522.0	782.7	724.5	58.22	13.444
10,825.0	10,523.6	10,169.0	10,144.2	31.3	34.5	-59.88	0.1	-522.0	800.0	741.7	58.37	13.707
10,830.0	10,524.4	10,169.0	10,144.2	31.3	34.5	-59.38	0.1	-522.0	803.5	745.1	58.40	13.759
10,850.0	10,527.0	10,169.0	10,144.2	31.3	34.5	-57.44	0.1	-522.0	817.3	758.8	58.54	13.962
10,875.0	10,529.2	10,169.0	10,144.2	31.3	34.5	-55.09	0.1	-522.0	834.4	775.7	58.73	14.207
10,900.0	10,530.0	10,169.0	10,144.2	31.3	34.5	-52.84	0.1	-522.0	851.4	792.5	58.95	14.444
10,903.2	10,530.0	10,169.0	10,144.2	31.3	34.5	-52.56	0.1	-522.0	853.6	794.6	58.97	14.474
10,925.0	10,530.0	10,169.0	10,144.2	31.4	34.5	-52.31	0.1	-522.0	868.5	809.3	59.17	14.678
11,000.0	10,530.0	10,169.0	10,144.2	31.4	34.5	-51.34	0.1	-522.0	922.6	862.8	59.80	15.428
11,020.0	10,530.0	10,169.0	10,144.2	31.5	34.5	-51.05	0.1	-522.0	937.7	877.7	59.96	15.640

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design:	CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - OWB - AWP											Offset Site Error:	3.0 usft
Survey Program:	100-Standard Keeper 104, 827-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
									(usft)	(usft)			
11,057.1	10,530.0	10,169.0	10,144.2	31.5	34.5	-50.48	0.1	-522.0	966.3	906.1	60.23	16.043	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation	Warning		
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)	Between Ellipses (usft)		Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.47	-0.5	-60.1	60.1				
95.0	95.0	92.2	92.2	3.0	3.0	-91.19	-1.2	-59.9	59.9	53.9		6.00	9.991
100.0	100.0	97.2	97.2	3.0	3.0	-91.27	-1.3	-59.9	59.9	53.9		6.00	9.989
190.0	190.0	187.1	187.1	3.0	3.0	-92.82	-2.9	-59.6	59.7	53.7		6.00	9.946
200.0	200.0	197.1	197.1	3.0	3.0	-92.99	-3.1	-59.6	59.7	53.7		6.00	9.943
220.6	220.6	217.6	217.6	3.0	3.0	-93.33	-3.5	-59.6	59.7	53.7		6.00	9.938
285.0	285.0	281.9	281.9	3.0	3.0	-93.77	-3.9	-59.6	59.8	53.8		6.01	9.948
300.0	300.0	296.9	296.9	3.0	3.0	-93.79	-4.0	-59.7	59.8	53.8		6.01	9.951
380.0	380.0	377.0	376.9	3.0	3.0	-93.80	-4.0	-59.8	59.9	53.9		6.02	9.952
400.0	400.0	397.1	397.1	3.0	3.0	-93.80	-4.0	-59.7	59.9	53.9		6.02	9.947
475.0	475.0	472.4	472.4	3.0	3.0	-93.82	-4.0	-59.4	59.5	53.5		6.03	9.872
500.0	500.0	497.5	497.4	3.1	3.0	-93.84	-4.0	-59.2	59.3	53.3		6.03	9.840
570.0	570.0	567.5	567.4	3.1	3.0	-94.06	-4.2	-58.7	58.8	52.8		6.04	9.736
600.0	600.0	597.5	597.4	3.1	3.0	-94.26	-4.4	-58.4	58.6	52.6		6.05	9.690
665.0	665.0	662.2	662.2	3.1	3.1	-94.72	-4.8	-58.1	58.3	52.2		6.06	9.615
700.0	700.0	697.2	697.1	3.1	3.1	-95.02	-5.1	-58.0	58.2	52.1		6.07	9.589
744.1	744.1	741.1	741.1	3.1	3.1	-95.41	-5.5	-57.9	58.1	52.0		6.08	9.563
760.0	760.0	757.0	756.9	3.1	3.1	-95.56	-5.6	-57.9	58.1	52.1		6.08	9.559
800.0	800.0	797.0	797.0	3.2	3.1	-95.78	-5.9	-57.9	58.2	52.1		6.09	9.553
855.0	855.0	852.3	852.3	3.2	3.1	-95.54	-5.6	-57.8	58.1	52.0		6.10	9.515
900.0	900.0	897.3	897.3	3.2	3.1	-95.28	-5.3	-57.6	57.8	51.7		6.12	9.454
950.0	950.0	947.3	947.2	3.2	3.1	-94.89	-4.9	-57.4	57.6	51.5		6.13	9.392
1,000.0	1,000.0	997.2	997.2	3.2	3.1	-94.46	-4.5	-57.3	57.4	51.3		6.15	9.340
1,045.0	1,045.0	1,042.2	1,042.1	3.3	3.1	-94.08	-4.1	-57.2	57.3	51.2		6.16	9.299
1,100.0	1,100.0	1,097.2	1,097.2	3.3	3.1	-93.45	-3.4	-57.1	57.2	51.0		6.18	9.246
1,140.0	1,140.0	1,137.2	1,137.1	3.3	3.1	-92.89	-2.9	-57.0	57.1	50.9		6.20	9.206
1,200.0	1,200.0	1,197.1	1,197.1	3.4	3.1	-91.93	-1.9	-56.9	56.9	50.7		6.22	9.154
1,235.0	1,235.0	1,232.1	1,232.1	3.4	3.1	-91.34	-1.3	-56.9	56.9	50.6		6.23	9.127
1,271.1	1,271.1	1,268.2	1,268.1	3.4	3.1	-90.70	-0.7	-56.8	56.9	50.6		6.25	9.103
1,300.0	1,300.0	1,297.0	1,296.9	3.4	3.1	-90.16	-0.2	-56.9	56.9	50.6		6.26	9.090
1,330.0	1,330.0	1,327.0	1,326.9	3.4	3.1	-89.62	0.4	-56.9	56.9	50.6		6.27	9.081
1,400.0	1,400.0	1,396.8	1,396.7	3.5	3.2	-88.25	1.7	-57.1	57.1	50.8		6.29	9.070
1,425.0	1,425.0	1,421.6	1,421.5	3.5	3.2	-87.73	2.3	-57.2	57.2	50.9		6.30	9.080
1,500.0	1,500.0	1,496.3	1,496.1	3.5	3.2	-86.32	3.7	-58.0	58.1	51.8		6.33	9.176
1,520.0	1,520.0	1,516.2	1,516.1	3.6	3.2	-85.99	4.1	-58.3	58.4	52.1		6.34	9.211
1,600.0	1,600.0	1,596.1	1,596.0	3.6	3.2	-84.74	5.5	-59.5	59.7	53.3		6.38	9.367
1,615.0	1,615.0	1,611.1	1,611.0	3.6	3.2	-84.52	5.7	-59.7	60.0	53.6		6.38	9.397
1,700.0	1,700.0	1,696.4	1,696.2	3.7	3.2	-83.36	7.1	-60.9	61.4	54.9		6.43	9.549
1,710.0	1,710.0	1,706.6	1,706.4	3.7	3.2	-83.26	7.2	-61.0	61.5	55.0		6.43	9.559
1,800.0	1,800.0	1,797.5	1,797.4	3.8	3.3	-82.87	7.6	-60.8	61.2	54.8		6.48	9.452
1,805.0	1,805.0	1,802.5	1,802.4	3.8	3.3	-82.85	7.6	-60.7	61.2	54.7		6.48	9.444
1,900.0	1,900.0	1,897.7	1,897.5	3.9	3.3	-82.78	7.6	-60.0	60.5	54.0		6.54	9.257
1,995.0	1,995.0	1,992.7	1,992.5	3.9	3.3	-82.74	7.5	-59.2	59.7	53.1		6.60	9.046
2,000.0	2,000.0	1,997.7	1,997.5	3.9	3.3	-82.75	7.5	-59.2	59.7	53.1		6.60	9.034
2,090.0	2,090.0	2,087.6	2,087.4	4.1	3.4	-69.18	7.3	-58.5	58.4	51.8		6.66	8.774
2,100.0	2,100.0	2,097.6	2,097.4	4.2	3.4	-69.51	7.3	-58.4	58.2	51.6		6.66	8.737
2,185.0	2,184.9	2,182.5	2,182.4	4.7	3.4	-73.83	7.0	-57.7	56.2	49.5		6.73	8.349
2,200.0	2,199.8	2,197.5	2,197.3	4.8	3.4	-74.88	6.9	-57.6	55.8	49.1		6.75	8.272
2,250.0	2,249.7	2,247.3	2,247.1	4.9	3.4	-79.01	6.8	-57.2	54.5	47.7		6.82	7.994
2,280.0	2,279.6	2,277.1	2,276.9	5.0	3.5	-81.82	6.7	-57.0	53.8	47.0		6.88	7.830
2,300.0	2,299.5	2,297.0	2,296.8	5.0	3.5	-83.73	6.7	-56.8	53.5	46.6		6.92	7.728

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Warning								
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,375.0	2,374.2	2,371.6	2,371.4	5.1	3.5	-91.04	6.5	-56.5	52.9	45.7	7.16	7.385		
2,386.4	2,385.6	2,382.9	2,382.8	5.1	3.5	-92.17	6.4	-56.4	52.9	45.7	7.20	7.340		
2,400.0	2,399.1	2,396.5	2,396.3	5.1	3.5	-93.51	6.4	-56.4	52.9	45.6	7.26	7.289		
2,470.0	2,468.8	2,466.1	2,465.9	5.2	3.5	-100.45	6.0	-56.1	53.5	45.9	7.57	7.072		
2,500.0	2,498.7	2,496.0	2,495.8	5.3	3.6	-103.41	5.8	-55.9	54.0	46.3	7.71	7.006		
2,535.0	2,533.6	2,530.9	2,530.7	5.3	3.6	-106.77	5.7	-55.8	54.7	46.9	7.86	6.964		
2,565.0	2,563.5	2,560.7	2,560.5	5.3	3.6	-102.85	5.5	-55.6	55.4	47.4	8.00	6.918		
2,600.0	2,598.4	2,595.6	2,595.4	5.4	3.6	-97.76	5.3	-55.4	55.9	47.7	8.16	6.841		
2,660.0	2,658.2	2,655.4	2,655.2	5.6	3.6	-88.75	5.0	-55.1	56.1	47.5	8.61	6.515		
2,700.0	2,698.0	2,695.2	2,695.0	5.8	3.7	-83.43	4.8	-55.0	55.9	47.0	8.93	6.262		
2,755.0	2,752.8	2,749.8	2,749.6	6.1	3.7	-78.18	4.3	-54.5	55.1	45.8	9.37	5.886		
2,800.0	2,797.6	2,794.5	2,794.3	6.4	3.7	-75.90	3.8	-54.0	54.3	44.6	9.75	5.571		
2,850.0	2,847.3	2,844.1	2,843.8	6.6	3.7	-75.50	3.0	-53.4	53.3	43.3	10.06	5.302		
2,900.0	2,896.9	2,893.5	2,893.2	6.9	3.8	-77.26	2.2	-52.8	52.4	42.0	10.39	5.044		
2,945.0	2,941.5	2,937.8	2,937.6	7.0	3.8	-80.63	1.3	-52.0	51.9	41.3	10.59	4.902		
2,959.5	2,955.8	2,952.1	2,951.8	7.1	3.8	-82.03	1.0	-51.7	51.9	41.2	10.67	4.862 CC, ES		
3,000.0	2,995.9	2,991.8	2,991.5	7.2	3.8	-86.85	0.0	-50.6	52.2	41.4	10.87	4.806		
3,040.0	3,035.4	3,031.0	3,030.7	7.4	3.9	-92.43	-1.1	-49.4	53.4	42.4	11.00	4.853		
3,100.0	3,094.4	3,089.7	3,089.3	7.5	3.9	-101.44	-2.7	-47.5	56.8	45.6	11.18	5.079		
3,135.0	3,128.8	3,123.8	3,123.4	7.6	3.9	-106.71	-3.6	-46.4	59.8	48.6	11.21	5.339		
3,144.0	3,137.6	3,132.6	3,132.2	7.6	3.9	-108.03	-3.9	-46.1	60.7	49.5	11.21	5.417		
3,200.0	3,192.5	3,187.1	3,186.6	7.7	4.0	-117.58	-5.4	-44.4	67.5	56.3	11.21	6.024		
3,230.0	3,221.9	3,216.2	3,215.8	7.8	4.0	-121.94	-6.2	-43.4	71.8	60.6	11.21	6.407		
3,300.0	3,290.5	3,284.8	3,284.3	8.0	4.0	-130.29	-8.1	-41.2	83.2	71.9	11.25	7.392		
3,325.0	3,315.0	3,309.6	3,309.0	8.0	4.1	-132.76	-8.7	-40.5	87.4	76.2	11.29	7.747		
3,400.0	3,388.5	3,387.1	3,386.5	8.2	4.1	-138.74	-10.3	-40.2	99.3	87.9	11.43	8.689		
3,420.0	3,408.1	3,407.4	3,406.8	8.2	4.1	-139.97	-10.6	-40.7	102.1	90.6	11.47	8.902		
3,500.0	3,486.5	3,486.8	3,486.2	8.4	4.1	-144.18	-11.5	-43.1	113.0	101.4	11.62	9.731		
3,515.0	3,501.2	3,501.7	3,501.1	8.5	4.1	-144.89	-11.7	-43.6	115.1	103.5	11.65	9.884		
3,600.0	3,584.4	3,585.6	3,584.9	8.7	4.1	-148.38	-12.6	-46.3	127.2	115.3	11.84	10.744		
3,610.0	3,594.2	3,595.4	3,594.7	8.7	4.1	-148.74	-12.7	-46.6	128.6	116.8	11.86	10.844		
3,700.0	3,682.4	3,684.0	3,683.2	9.0	4.1	-151.66	-13.9	-49.5	141.9	129.8	12.09	11.738		
3,705.0	3,687.3	3,688.9	3,688.1	9.0	4.1	-151.80	-13.9	-49.6	142.7	130.6	12.10	11.787		
3,800.0	3,780.4	3,789.0	3,788.2	9.2	4.2	-154.58	-14.7	-53.5	156.4	144.0	12.38	12.628		
3,895.0	3,873.5	3,897.5	3,895.5	9.5	4.2	-159.63	-6.3	-66.2	161.2	148.6	12.63	12.762		
3,900.0	3,878.4	3,902.4	3,900.4	9.5	4.2	-159.89	-5.8	-66.9	161.4	148.7	12.65	12.762		
3,990.0	3,966.6	3,991.8	3,988.4	9.8	4.2	-164.53	3.6	-79.4	164.8	152.0	12.88	12.798		
4,000.0	3,976.4	4,001.8	3,998.2	9.8	4.2	-165.04	4.6	-80.8	165.3	152.4	12.91	12.805		
4,085.0	4,059.7	4,084.8	4,080.0	10.1	4.2	-169.11	13.3	-92.3	169.7	156.5	13.15	12.903		
4,100.0	4,074.4	4,099.5	4,094.5	10.1	4.2	-169.79	14.8	-94.3	170.6	157.4	13.19	12.928		
4,180.0	4,152.8	4,178.6	4,172.4	10.4	4.2	-173.31	22.7	-105.0	175.9	162.4	13.44	13.083		
4,200.0	4,172.4	4,198.0	4,191.6	10.4	4.2	-174.14	24.6	-107.6	177.3	163.8	13.51	13.128		
4,275.0	4,245.9	4,272.2	4,264.7	10.7	4.3	-177.17	31.9	-117.5	183.1	169.4	13.76	13.309		
4,300.0	4,270.4	4,296.6	4,288.8	10.7	4.3	-178.11	34.3	-120.7	185.2	171.3	13.84	13.376		
4,370.0	4,339.0	4,364.9	4,356.2	11.0	4.3	179.46	40.6	-129.4	191.5	177.4	14.09	13.591		
4,400.0	4,368.4	4,394.3	4,385.3	11.1	4.3	178.50	43.3	-133.1	194.4	180.2	14.20	13.691		
4,465.0	4,432.1	4,458.1	4,448.3	11.3	4.3	176.62	48.7	-140.8	201.0	186.6	14.44	13.922		
4,500.0	4,466.4	4,493.0	4,482.9	11.4	4.3	175.66	51.6	-144.9	204.7	190.1	14.57	14.046		
4,560.0	4,525.2	4,552.5	4,541.7	11.6	4.4	174.10	56.5	-152.1	211.0	196.2	14.80	14.256		
4,600.0	4,564.4	4,591.9	4,580.8	11.7	4.4	173.13	59.7	-156.9	215.3	200.3	14.95	14.397		
4,655.0	4,618.3	4,646.3	4,634.6	11.9	4.4	171.89	64.0	-163.3	221.3	206.2	15.17	14.591		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning		
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)	Between Ellipses (usft)			
4,700.0	4,662.4	4,693.0	4,680.8	12.0	4.5	170.89	67.6	-169.0	226.2	210.9	15.35	14.736	
4,750.0	4,711.4	4,751.2	4,738.3	12.2	4.5	169.79	71.2	-177.4	230.3	214.8	15.57	14.789	
4,800.0	4,760.4	4,801.6	4,788.0	12.4	4.5	168.94	73.7	-185.5	233.6	217.8	15.78	14.807	
4,845.0	4,804.4	4,846.0	4,831.8	12.5	4.6	168.22	75.9	-192.6	236.6	220.6	15.96	14.826	
4,900.0	4,858.3	4,900.3	4,885.3	12.7	4.6	167.36	78.7	-201.1	240.4	224.2	16.18	14.857	
4,940.0	4,897.5	4,939.4	4,923.8	12.8	4.6	166.78	80.6	-207.2	243.3	227.0	16.34	14.887	
5,000.0	4,956.3	5,002.0	4,985.7	13.1	4.7	165.99	83.2	-216.8	247.7	231.1	16.60	14.918	
5,035.0	4,990.6	5,039.6	5,022.8	13.2	4.7	165.71	83.8	-222.7	249.7	232.9	16.75	14.902	
5,100.0	5,054.3	5,103.5	5,085.9	13.4	4.7	165.43	84.0	-232.7	253.2	236.2	17.02	14.875	
5,130.0	5,083.7	5,133.1	5,115.2	13.5	4.8	165.33	84.0	-237.1	254.9	237.8	17.14	14.868	
5,200.0	5,152.3	5,201.7	5,183.0	13.7	4.8	165.15	84.0	-247.2	259.2	241.8	17.43	14.868	
5,225.0	5,176.8	5,226.2	5,207.3	13.8	4.8	165.10	84.0	-250.7	260.8	243.3	17.54	14.872	
5,300.0	5,250.3	5,300.7	5,281.1	14.1	4.9	164.95	84.0	-261.2	265.8	247.9	17.85	14.886	
5,320.0	5,269.9	5,320.5	5,300.6	14.2	4.9	164.91	84.0	-264.0	267.1	249.2	17.94	14.890	
5,400.0	5,348.3	5,400.0	5,379.4	14.4	5.0	164.73	84.1	-275.2	272.5	254.2	18.28	14.909	
5,415.0	5,363.0	5,415.1	5,394.3	14.5	5.0	164.70	84.1	-277.3	273.5	255.2	18.34	14.912	
5,500.0	5,446.3	5,500.4	5,478.8	14.8	5.0	164.57	84.0	-289.2	279.2	260.5	18.71	14.924	
5,510.0	5,456.1	5,510.2	5,488.5	14.8	5.0	164.56	84.0	-290.6	279.9	261.1	18.75	14.925	
5,600.0	5,544.3	5,598.7	5,576.2	15.1	5.1	164.51	83.6	-302.6	286.1	266.9	19.14	14.949	
5,605.0	5,549.2	5,603.7	5,581.1	15.2	5.1	164.50	83.6	-303.3	286.4	267.3	19.16	14.951	
5,700.0	5,642.3	5,698.4	5,674.9	15.5	5.2	164.52	83.0	-315.8	293.2	273.7	19.57	14.983	
5,795.0	5,735.4	5,792.0	5,767.8	15.8	5.3	164.56	82.3	-328.0	300.1	280.1	19.98	15.020	
5,800.0	5,740.3	5,796.9	5,772.7	15.9	5.3	164.57	82.3	-328.6	300.5	280.5	20.00	15.022	
5,890.0	5,828.5	5,884.7	5,859.8	16.2	5.3	164.72	81.3	-339.4	307.6	287.2	20.39	15.082	
5,900.0	5,838.3	5,894.8	5,869.8	16.2	5.4	164.74	81.2	-340.6	308.4	288.0	20.44	15.090	
5,985.0	5,921.6	5,978.9	5,953.3	16.5	5.4	164.95	80.1	-350.4	315.4	294.6	20.81	15.154	
6,000.0	5,936.3	5,993.5	5,967.8	16.6	5.4	164.99	79.9	-352.1	316.6	295.8	20.88	15.168	
6,080.0	6,014.7	6,070.3	6,044.1	16.9	5.5	165.22	78.8	-360.5	323.7	302.5	21.22	15.256	
6,100.0	6,034.2	6,089.7	6,063.5	16.9	5.5	165.28	78.5	-362.5	325.6	304.3	21.31	15.282	
6,175.0	6,107.7	6,163.9	6,137.3	17.2	5.6	165.56	77.4	-370.0	332.9	311.2	21.64	15.380	
6,200.0	6,132.2	6,188.6	6,161.8	17.3	5.6	165.66	77.0	-372.4	335.3	313.5	21.75	15.413	
6,270.0	6,200.8	6,257.5	6,230.3	17.6	5.6	165.92	75.8	-379.3	342.1	320.0	22.06	15.505	
6,300.0	6,230.2	6,286.3	6,259.1	17.7	5.7	166.03	75.4	-382.0	345.1	322.9	22.19	15.551	
6,365.0	6,293.9	6,350.0	6,322.4	17.9	5.7	166.14	75.2	-388.3	351.9	329.4	22.48	15.649	
6,400.0	6,328.2	6,383.5	6,355.8	18.0	5.7	166.13	75.4	-391.6	355.6	333.0	22.64	15.710	
6,460.0	6,387.0	6,441.8	6,413.8	18.3	5.8	166.13	76.0	-397.3	362.2	339.3	22.90	15.816	
6,500.0	6,426.2	6,481.0	6,452.8	18.4	5.8	166.14	76.3	-400.9	366.8	343.7	23.08	15.889	
6,555.0	6,480.1	6,534.6	6,506.2	18.6	5.9	166.17	76.7	-405.8	373.1	349.8	23.33	15.994	
6,600.0	6,524.2	6,578.7	6,550.1	18.8	5.9	166.20	77.1	-409.6	378.4	354.9	23.53	16.082	
6,650.0	6,573.2	6,628.8	6,600.1	19.0	6.0	166.24	77.4	-414.0	384.3	360.5	23.76	16.173	
6,700.0	6,622.2	6,678.4	6,649.4	19.1	6.0	166.31	77.5	-418.3	390.1	366.1	23.99	16.262	
6,745.0	6,666.3	6,722.6	6,693.5	19.3	6.0	166.39	77.5	-422.1	395.4	371.2	24.19	16.343	
6,800.0	6,720.2	6,776.5	6,747.2	19.5	6.1	166.48	77.5	-426.5	402.0	377.6	24.44	16.446	
6,840.0	6,759.4	6,815.6	6,786.1	19.7	6.1	166.55	77.6	-429.7	406.8	382.2	24.62	16.521	
6,900.0	6,818.2	6,874.4	6,844.8	19.9	6.2	166.69	77.5	-434.3	414.2	389.3	24.90	16.636	
6,935.0	6,852.5	6,908.5	6,878.8	20.0	6.2	166.77	77.4	-436.9	418.6	393.5	25.06	16.704	
7,000.0	6,916.2	6,972.2	6,942.3	20.2	6.2	166.93	77.2	-441.6	426.7	401.4	25.35	16.831	
7,030.0	6,945.6	7,001.2	6,971.2	20.4	6.3	167.01	77.1	-443.7	430.6	405.1	25.49	16.892	
7,100.0	7,014.2	7,070.5	7,040.4	20.6	6.3	167.19	76.8	-448.6	439.6	413.8	25.81	17.029	
7,125.0	7,038.7	7,095.2	7,065.0	20.7	6.3	167.27	76.6	-450.3	442.8	416.9	25.93	17.077	
7,200.0	7,112.2	7,167.9	7,137.6	21.0	6.4	167.49	76.1	-455.2	452.7	426.4	26.27	17.230	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
7,220.0	7,131.8	7,187.9	7,157.5	21.1	6.4	167.55	75.9	-456.5	455.3	428.9	26.37	17.269
7,300.0	7,210.2	7,266.5	7,235.9	21.4	6.5	167.80	75.3	-461.6	466.0	439.2	26.74	17.428
7,315.0	7,224.9	7,281.1	7,250.5	21.4	6.5	167.84	75.2	-462.5	468.0	441.2	26.81	17.458
7,400.0	7,308.1	7,366.5	7,335.7	21.7	6.6	168.09	74.6	-467.9	479.4	452.2	27.21	17.620
7,410.0	7,317.9	7,376.8	7,346.0	21.8	6.6	168.12	74.5	-468.6	480.8	453.5	27.26	17.637
7,500.0	7,406.1	7,468.6	7,437.6	22.1	6.7	168.28	74.4	-475.3	492.3	464.6	27.69	17.778
7,505.0	7,411.0	7,473.6	7,442.6	22.1	6.7	168.29	74.3	-475.6	492.9	465.2	27.72	17.786
7,600.0	7,504.1	7,565.6	7,534.3	22.5	6.8	168.45	74.1	-482.3	505.1	476.9	28.15	17.940
7,648.7	7,551.8	7,612.0	7,580.6	22.7	6.8	168.54	73.9	-485.5	511.5	483.1	28.37	18.027
7,695.0	7,597.3	7,656.6	7,625.1	22.8	6.9	168.65	73.8	-488.3	517.4	488.8	28.59	18.101
7,700.0	7,602.2	7,661.4	7,629.9	22.8	6.9	168.66	73.8	-488.7	518.0	489.4	28.61	18.107
7,790.0	7,691.0	7,750.2	7,718.6	23.2	6.9	168.77	73.9	-494.3	527.4	498.4	29.08	18.141
7,800.0	7,700.8	7,760.2	7,728.4	23.2	7.0	168.78	73.9	-495.0	528.3	499.2	29.13	18.139
7,885.0	7,785.1	7,840.6	7,808.8	23.6	7.0	168.77	74.4	-500.0	534.7	505.1	29.58	18.077
7,900.0	7,800.0	7,854.4	7,822.5	23.6	7.0	168.76	74.6	-500.8	535.7	506.0	29.66	18.062
7,980.0	7,879.6	7,931.9	7,899.8	23.9	7.1	168.64	75.9	-505.0	539.9	509.8	30.08	17.948
8,000.0	7,899.5	7,952.0	7,920.0	24.0	7.1	168.60	76.3	-506.1	540.6	510.4	30.19	17.908
8,075.0	7,974.4	8,028.2	7,996.0	24.3	7.2	168.42	77.4	-510.3	542.0	511.4	30.59	17.719
8,100.0	7,999.3	8,054.9	8,022.7	24.4	7.2	168.36	77.8	-511.8	542.0	511.3	30.73	17.638
8,170.0	8,069.3	8,132.7	8,100.4	24.7	7.3	168.12	78.6	-516.8	540.2	509.1	31.13	17.356
8,200.0	8,099.3	8,163.2	8,130.7	24.8	7.3	167.99	79.0	-519.1	538.7	507.4	31.28	17.220
8,223.7	8,123.0	8,186.6	8,154.0	24.9	7.4	67.16	79.4	-520.9	537.3	505.9	31.38	17.122
8,265.0	8,164.3	8,226.8	8,194.1	25.0	7.4	66.95	80.2	-523.9	534.7	503.2	31.54	16.954
8,300.0	8,199.3	8,261.3	8,228.6	25.1	7.4	66.76	81.0	-526.6	532.6	500.9	31.68	16.812
8,360.0	8,259.3	8,322.1	8,289.2	25.3	7.5	66.44	82.2	-531.1	528.9	497.0	31.93	16.567
8,400.0	8,299.3	8,366.7	8,333.6	25.4	7.6	66.27	82.5	-534.5	526.3	494.2	32.11	16.389
8,455.0	8,354.3	8,425.9	8,392.6	25.6	7.6	66.13	81.8	-539.1	522.1	489.7	32.36	16.133
8,500.0	8,399.3	8,470.1	8,436.7	25.7	7.7	66.04	81.2	-542.6	518.5	486.0	32.55	15.932
8,550.0	8,449.3	8,520.3	8,486.7	25.9	7.7	65.95	80.4	-546.5	514.7	481.9	32.76	15.711
8,600.0	8,499.3	8,568.0	8,534.3	26.0	7.8	65.86	79.6	-550.1	510.8	477.9	32.96	15.498
8,645.0	8,544.3	8,611.0	8,577.2	26.1	7.8	65.80	78.8	-553.2	507.6	474.4	33.14	15.314
8,700.0	8,599.3	8,662.2	8,628.3	26.3	7.9	65.75	77.8	-556.5	503.9	470.5	33.36	15.104
8,740.0	8,639.3	8,700.0	8,666.0	26.4	7.9	65.74	76.9	-558.7	501.4	467.9	33.52	14.959
8,800.0	8,699.3	8,761.0	8,726.9	26.6	8.0	65.77	75.2	-561.9	497.8	464.0	33.78	14.736
8,835.0	8,734.3	8,796.7	8,762.5	26.7	8.0	65.79	74.1	-563.9	495.7	461.7	33.94	14.606
8,900.0	8,799.3	8,857.0	8,822.6	26.9	8.1	65.85	72.1	-567.0	491.7	457.5	34.19	14.381
8,930.0	8,829.3	8,880.7	8,846.3	27.0	8.1	65.87	71.5	-567.9	490.3	456.0	34.29	14.297
9,000.0	8,899.3	8,942.0	8,907.6	27.2	8.2	65.93	70.3	-569.4	488.2	453.6	34.56	14.126
9,025.0	8,924.3	8,965.3	8,930.9	27.3	8.2	65.95	69.9	-569.8	487.6	453.0	34.66	14.069
9,100.0	8,999.3	9,039.8	9,005.4	27.5	8.3	66.03	68.8	-570.8	486.3	451.3	34.98	13.903
9,120.0	9,019.3	9,060.2	9,025.8	27.6	8.3	66.04	68.5	-571.1	485.9	450.8	35.07	13.857
9,200.0	9,099.3	9,140.8	9,106.4	27.8	8.4	66.10	67.4	-572.4	484.3	448.9	35.41	13.675
9,215.0	9,114.3	9,155.7	9,121.2	27.9	8.4	66.10	67.3	-572.6	484.0	448.5	35.48	13.641
9,300.0	9,199.3	9,237.8	9,203.4	28.2	8.5	66.15	66.3	-573.8	482.5	446.6	35.84	13.463
9,310.0	9,209.3	9,247.5	9,213.0	28.2	8.5	66.16	66.2	-573.9	482.3	446.4	35.88	13.443
9,400.0	9,299.3	9,336.9	9,302.5	28.5	8.6	66.25	65.0	-574.7	481.2	444.9	36.26	13.269
9,405.0	9,304.3	9,342.0	9,307.5	28.5	8.6	66.25	65.0	-574.7	481.1	444.8	36.28	13.260
9,500.0	9,399.3	9,435.0	9,400.6	28.8	8.6	66.37	63.7	-575.2	480.1	443.4	36.68	13.090
9,595.0	9,494.3	9,527.2	9,492.7	29.1	8.7	66.44	62.9	-575.4	479.6	442.5	37.06	12.940
9,600.0	9,499.3	9,532.3	9,497.8	29.1	8.7	66.45	62.9	-575.4	479.6	442.5	37.08	12.932
9,690.0	9,589.3	9,622.6	9,588.1	29.4	8.8	66.44	62.8	-575.7	479.3	441.8	37.47	12.792

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation		Warning	
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,700.0	9,599.3	9,632.7	9,598.2	29.4	8.8	66.43	62.9	-575.8	479.2	441.7	37.51	12.777	
9,785.0	9,684.3	9,719.5	9,685.0	29.7	8.9	66.31	63.6	-576.6	478.8	440.9	37.86	12.646	
9,800.0	9,699.3	9,734.5	9,700.1	29.7	8.9	66.29	63.7	-576.8	478.7	440.7	37.92	12.622	
9,880.0	9,779.3	9,813.8	9,779.3	30.0	9.0	66.18	64.3	-577.7	478.1	439.8	38.25	12.499	
9,900.0	9,799.3	9,833.8	9,799.3	30.0	9.0	66.16	64.4	-577.9	478.0	439.6	38.33	12.468	
9,975.0	9,874.3	9,908.4	9,873.9	30.3	9.1	66.09	64.8	-578.5	477.5	438.9	38.64	12.358	
10,000.0	9,899.3	9,933.0	9,898.5	30.4	9.1	66.06	64.9	-578.7	477.4	438.7	38.75	12.322	
10,070.0	9,969.3	10,002.4	9,967.9	30.6	9.1	66.00	65.3	-579.2	477.1	438.1	39.03	12.223	
10,100.0	9,999.3	10,032.8	9,998.3	30.7	9.2	65.97	65.5	-579.4	477.0	437.8	39.16	12.181	
10,153.2	10,052.5	10,086.0	10,051.5	30.8	9.2	65.92	65.8	-579.8	476.8	437.5	39.29	12.135	
10,159.2	10,058.5	10,092.0	10,057.5	30.8	9.2	-110.64	65.8	-579.8	476.8	437.5	39.29	12.133	
10,165.0	10,064.3	10,098.0	10,063.5	30.8	9.2	-110.66	65.9	-579.9	476.8	437.5	39.30	12.132	
10,175.0	10,074.3	10,108.1	10,073.6	30.8	9.2	-110.71	66.0	-580.0	476.8	437.5	39.31	12.131	
10,200.0	10,099.2	10,133.2	10,098.7	30.8	9.3	-110.90	66.3	-580.2	477.4	438.0	39.32	12.140	
10,225.0	10,124.0	10,158.0	10,123.5	30.8	9.3	-111.17	66.5	-580.5	478.3	439.0	39.33	12.162	
10,250.0	10,148.6	10,182.7	10,148.2	30.8	9.3	-111.50	66.5	-580.7	479.8	440.5	39.34	12.197	
10,260.0	10,158.4	10,192.5	10,158.0	30.8	9.3	-111.65	66.5	-580.7	480.6	441.2	39.34	12.215	
10,275.0	10,173.0	10,207.1	10,172.6	30.8	9.3	-111.89	66.5	-580.8	481.8	442.5	39.34	12.247	
10,300.0	10,197.0	10,234.4	10,199.9	30.8	9.3	-112.43	66.3	-580.9	484.4	445.0	39.38	12.300	
10,325.0	10,220.6	10,272.9	10,238.3	30.8	9.3	-113.33	64.4	-581.1	487.0	447.5	39.54	12.317	
10,350.0	10,243.8	10,318.6	10,283.6	30.8	9.5	-114.35	58.4	-581.2	489.4	449.5	39.90	12.265	
10,355.0	10,248.3	10,330.7	10,295.5	30.9	9.6	-114.58	55.9	-581.2	489.8	449.7	40.04	12.233	
10,375.0	10,266.4	10,368.2	10,331.4	30.9	10.0	-115.05	45.2	-580.7	490.9	450.5	40.43	12.143	
10,400.0	10,288.5	10,389.3	10,351.2	30.9	10.2	-115.15	37.9	-580.0	492.7	452.2	40.52	12.161	
10,425.0	10,309.9	10,411.6	10,371.9	30.9	10.4	-115.22	29.8	-578.7	495.3	454.6	40.63	12.191	
10,450.0	10,330.6	10,440.3	10,398.0	30.9	10.6	-115.32	18.1	-576.4	498.3	457.5	40.78	12.219	
10,475.0	10,350.5	10,471.1	10,425.0	30.9	10.8	-115.32	3.7	-573.2	501.7	460.8	40.96	12.250	
10,500.0	10,369.6	10,509.8	10,457.2	31.0	11.1	-115.24	-17.1	-568.1	505.3	464.1	41.22	12.260	
10,525.0	10,387.9	10,565.5	10,499.9	31.0	11.5	-115.01	-52.0	-560.6	508.0	466.4	41.65	12.199	
10,545.0	10,401.8	10,657.0	10,564.8	31.0	11.8	-114.99	-116.1	-554.2	508.5	465.9	42.65	11.922	
10,550.0	10,405.2	10,663.7	10,569.4	31.0	11.8	-115.01	-121.0	-554.1	508.4	465.7	42.70	11.906	
10,575.0	10,421.6	10,836.5	10,666.2	31.0	12.4	-114.53	-262.1	-566.9	504.5	459.9	44.59	11.314	
10,600.0	10,436.9	10,864.7	10,676.8	31.0	12.5	-114.81	-287.9	-570.6	497.5	452.7	44.74	11.119	
10,625.0	10,451.2	10,899.9	10,687.8	31.1	12.6	-114.82	-321.1	-574.6	490.6	445.7	44.89	10.927	
10,640.0	10,459.3	10,916.6	10,692.0	31.1	12.6	-114.86	-337.1	-576.2	486.5	441.6	44.94	10.826	
10,650.0	10,464.4	10,926.6	10,694.4	31.1	12.6	-114.91	-346.8	-577.1	483.9	438.9	44.96	10.762	
10,675.0	10,476.5	10,951.7	10,700.4	31.1	12.6	-115.09	-371.1	-579.5	477.7	432.7	45.02	10.610	
10,700.0	10,487.4	10,980.2	10,706.6	31.1	12.7	-115.23	-398.8	-582.0	471.9	426.8	45.07	10.472	
10,725.0	10,497.1	11,007.2	10,711.6	31.2	12.7	-115.40	-425.3	-584.1	466.5	421.4	45.11	10.342	
10,735.0	10,500.7	11,017.2	10,713.4	31.2	12.7	-115.49	-435.1	-584.9	464.5	419.3	45.13	10.292	
10,750.0	10,505.6	11,032.3	10,715.9	31.2	12.7	-115.64	-449.9	-586.0	461.6	416.4	45.16	10.221	
10,775.0	10,512.9	11,056.8	10,719.9	31.2	12.7	-115.93	-474.1	-587.8	457.2	412.0	45.22	10.111	
10,800.0	10,518.9	11,081.1	10,723.3	31.2	12.8	-116.24	-498.1	-589.3	453.4	408.1	45.29	10.011	
10,825.0	10,523.6	11,105.5	10,726.4	31.3	12.8	-116.57	-522.2	-590.6	450.2	404.9	45.38	9.921	
10,830.0	10,524.4	11,110.4	10,727.0	31.3	12.8	-116.64	-527.0	-590.8	449.7	404.3	45.40	9.904	
10,850.0	10,527.0	11,129.9	10,729.2	31.3	12.8	-116.93	-546.4	-591.7	447.7	402.2	45.49	9.841	
10,875.0	10,529.2	11,151.0	10,731.4	31.3	12.9	-117.29	-567.3	-592.4	445.8	400.1	45.69	9.757	
10,900.0	10,530.0	11,171.6	10,733.1	31.3	12.9	-117.61	-587.9	-592.7	444.7	398.8	45.91	9.687	
10,903.2	10,530.0	11,174.3	10,733.3	31.3	12.9	-117.65	-590.5	-592.7	444.7	398.7	45.94	9.679	
10,925.0	10,530.0	11,192.3	10,734.5	31.4	13.0	-117.83	-608.5	-592.5	444.4	398.3	46.14	9.631	
10,931.9	10,530.0	11,198.0	10,734.8	31.4	13.0	-117.88	-614.2	-592.4	444.4	398.2	46.21	9.617	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning	
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)	Between Ellipses (usft)	Separation (usft)	Factor	
11,000.0	10,530.0	11,266.0	10,736.7	31.4	13.2	-118.09	-682.1	-589.6	445.5	398.6	46.92	9.495	
11,020.0	10,530.0	11,288.6	10,736.7	31.5	13.3	-118.05	-704.7	-588.5	445.9	398.8	47.15	9.458	
11,057.1	10,530.0	11,326.4	10,736.0	31.5	13.5	-117.90	-742.5	-586.6	446.8	399.3	47.47	9.412	
11,100.0	10,530.0	11,363.6	10,735.5	31.6	13.6	-117.73	-779.6	-584.5	448.4	400.8	47.66	9.408	
11,115.0	10,530.0	11,376.6	10,735.4	31.6	13.6	-117.68	-792.6	-583.7	449.1	401.4	47.73	9.409	
11,200.0	10,530.0	11,459.8	10,736.5	31.7	13.9	-117.54	-875.6	-578.6	453.8	405.6	48.21	9.411	
11,210.0	10,530.0	11,470.3	10,736.9	31.7	14.0	-117.55	-886.1	-578.1	454.3	406.0	48.28	9.409	
11,300.0	10,530.0	11,578.5	10,740.3	31.9	14.5	-117.80	-994.2	-575.0	457.5	408.4	49.03	9.330	
11,305.0	10,530.0	11,584.8	10,740.4	31.9	14.5	-117.81	-1,000.5	-574.9	457.5	408.4	49.07	9.323	
11,400.0	10,530.0	11,678.7	10,742.6	32.1	14.9	-118.06	-1,094.3	-574.5	458.4	408.8	49.69	9.227	
11,495.0	10,530.0	11,778.9	10,745.2	32.2	15.4	-118.37	-1,194.5	-574.2	459.3	409.0	50.34	9.125	
11,500.0	10,530.0	11,786.2	10,745.4	32.3	15.4	-118.39	-1,201.8	-574.2	459.3	408.9	50.39	9.115	
11,590.0	10,530.0	11,886.2	10,743.8	32.4	16.0	-118.39	-1,301.8	-576.5	456.2	404.9	51.28	8.896	
11,600.0	10,530.0	11,893.2	10,743.7	32.5	16.1	-118.38	-1,308.8	-576.6	455.9	404.6	51.37	8.876	
11,631.2	10,530.0	11,915.0	10,743.5	32.5	16.3	-118.38	-1,330.6	-576.6	455.6	404.0	51.64	8.823	
11,685.0	10,530.0	11,954.0	10,744.0	32.7	16.6	-118.39	-1,369.6	-575.8	456.5	404.4	52.09	8.764	
11,700.0	10,530.0	11,967.6	10,744.3	32.7	16.7	-118.40	-1,383.2	-575.3	457.0	404.8	52.22	8.752	
11,780.0	10,530.0	12,040.6	10,747.1	32.9	17.2	-118.59	-1,456.0	-572.8	460.5	407.6	52.92	8.702	
11,800.0	10,530.0	12,062.5	10,748.1	32.9	17.3	-118.66	-1,477.9	-572.0	461.5	408.4	53.09	8.693	
11,875.0	10,530.0	12,142.9	10,751.3	33.1	17.7	-118.89	-1,558.2	-569.6	464.4	410.7	53.71	8.646	
11,900.0	10,530.0	12,166.7	10,752.1	33.2	17.9	-118.95	-1,582.0	-568.9	465.3	411.4	53.89	8.634	
11,970.0	10,530.0	12,233.8	10,754.4	33.4	18.2	-119.09	-1,649.0	-566.7	468.2	413.8	54.41	8.605	
12,000.0	10,530.0	12,263.1	10,755.4	33.5	18.4	-119.15	-1,678.3	-565.6	469.5	414.8	54.64	8.593	
12,065.0	10,530.0	12,331.5	10,757.8	33.7	18.8	-119.26	-1,746.5	-562.9	472.4	417.2	55.20	8.558	
12,100.0	10,530.0	12,375.9	10,758.2	33.8	19.1	-119.24	-1,791.0	-561.5	473.4	417.8	55.59	8.515	
12,160.0	10,530.0	12,443.9	10,756.9	34.0	19.5	-119.04	-1,858.9	-559.8	473.8	417.6	56.19	8.432	
12,200.0	10,530.0	12,486.5	10,755.4	34.1	19.7	-118.83	-1,901.5	-558.8	473.7	417.1	56.56	8.375	
12,223.4	10,530.0	12,507.7	10,754.6	34.2	19.9	-118.72	-1,922.7	-558.2	473.6	416.9	56.74	8.346	
12,255.0	10,530.0	12,535.3	10,754.0	34.3	20.0	-118.63	-1,950.3	-557.6	473.7	416.8	56.99	8.313	
12,300.0	10,530.0	12,574.7	10,754.2	34.4	20.3	-118.62	-1,989.6	-556.8	474.4	417.0	57.34	8.273	
12,350.0	10,530.0	12,621.9	10,755.7	34.6	20.6	-118.75	-2,036.8	-556.0	475.6	417.8	57.80	8.229	
12,400.0	10,530.0	12,669.9	10,758.0	34.8	20.8	-118.98	-2,084.7	-555.4	477.0	418.7	58.27	8.187	
12,445.0	10,530.0	12,724.5	10,760.2	34.9	21.2	-119.21	-2,139.3	-555.0	478.0	419.1	58.83	8.125	
12,500.0	10,530.0	12,790.0	10,760.4	35.1	21.6	-119.24	-2,204.8	-554.8	477.9	418.4	59.47	8.035	
12,540.0	10,530.0	12,835.7	10,759.4	35.3	21.9	-119.16	-2,250.5	-554.9	477.2	417.2	59.92	7.963	
12,600.0	10,530.0	12,901.4	10,756.9	35.5	22.3	-118.94	-2,316.1	-555.3	475.3	414.8	60.53	7.853	
12,635.0	10,530.0	12,939.1	10,754.9	35.6	22.5	-118.77	-2,353.8	-555.6	474.0	413.1	60.89	7.785	
12,700.0	10,530.0	13,005.3	10,751.4	35.9	23.0	-118.46	-2,419.8	-556.5	471.2	409.7	61.50	7.662	
12,730.0	10,530.0	13,034.0	10,750.0	36.0	23.1	-118.36	-2,448.5	-557.0	469.9	408.1	61.78	7.607	
12,800.0	10,530.0	13,098.5	10,747.4	36.3	23.6	-118.15	-2,513.0	-557.8	467.3	404.9	62.40	7.489	
12,825.0	10,530.0	13,125.0	10,746.3	36.4	23.7	-118.05	-2,539.4	-557.9	466.7	404.0	62.66	7.448	
12,900.0	10,530.0	13,186.1	10,744.9	36.7	24.2	-117.90	-2,600.6	-557.6	465.7	402.4	63.28	7.359	
12,909.6	10,530.0	13,194.5	10,744.8	36.7	24.2	-117.89	-2,608.9	-557.6	465.7	402.3	63.37	7.349	
12,920.0	10,530.0	13,203.5	10,744.8	36.7	24.3	-117.89	-2,617.9	-557.5	465.7	402.2	63.46	7.338	
13,000.0	10,530.0	13,301.6	10,743.1	37.1	24.9	-117.73	-2,716.0	-557.3	464.8	400.3	64.54	7.202	
13,015.0	10,530.0	13,315.6	10,742.5	37.1	25.0	-117.68	-2,730.0	-557.4	464.3	399.6	64.69	7.176	
13,100.0	10,530.0	13,386.0	10,740.4	37.5	25.5	-117.47	-2,800.4	-557.3	462.7	397.2	65.48	7.066	
13,102.7	10,530.0	13,388.2	10,740.4	37.5	25.6	-117.46	-2,802.6	-557.3	462.7	397.2	65.51	7.063	
13,110.0	10,530.0	13,396.0	10,740.3	37.6	25.6	-117.44	-2,810.3	-557.2	462.7	397.1	65.60	7.054	
13,114.5	10,530.0	13,398.3	10,740.2	37.6	25.6	-117.44	-2,812.7	-557.1	462.7	397.1	65.62	7.051	
13,200.0	10,530.0	13,479.5	10,740.4	38.0	26.2	-117.43	-2,893.8	-556.1	463.3	396.8	66.51	6.966	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Rule Assigned:												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)
								+N/-S (usft)	+E/-W (usft)	Between Ellipses (usft)	Separation Factor	Warning
13,205.0	10,530.0	13,484.2	10,740.5	38.0	26.2	-117.44	-2,898.6	-556.0	463.4	396.8	66.57	6.961
13,300.0	10,530.0	13,572.4	10,743.1	38.4	26.8	-117.68	-2,986.7	-554.8	465.3	397.7	67.52	6.891
13,395.0	10,530.0	13,680.0	10,746.6	38.8	27.6	-118.07	-3,094.2	-554.1	466.8	398.0	68.77	6.787
13,400.0	10,530.0	13,686.3	10,746.7	38.9	27.6	-118.08	-3,100.5	-554.1	466.8	397.9	68.85	6.779
13,490.0	10,530.0	13,784.2	10,747.3	39.3	28.3	-118.29	-3,198.4	-556.1	464.8	394.8	70.02	6.638
13,500.0	10,530.0	13,792.1	10,747.4	39.3	28.4	-118.33	-3,206.3	-556.3	464.6	394.5	70.12	6.626
13,532.0	10,530.0	13,817.2	10,748.4	39.5	28.5	-118.48	-3,231.4	-556.9	464.4	393.9	70.43	6.594
13,585.0	10,530.0	13,862.3	10,751.7	39.7	28.8	-118.91	-3,276.4	-557.8	465.0	394.0	70.98	6.550
13,600.0	10,530.0	13,878.1	10,752.9	39.8	29.0	-119.06	-3,292.1	-558.1	465.2	394.0	71.19	6.535
13,680.0	10,530.0	13,965.9	10,757.3	40.2	29.6	-119.62	-3,379.8	-559.0	466.0	393.7	72.30	6.445
13,700.0	10,530.0	13,990.2	10,757.9	40.3	29.7	-119.71	-3,404.1	-559.3	465.9	393.3	72.60	6.417
13,775.0	10,530.0	14,074.4	10,758.2	40.7	30.3	-119.89	-3,488.3	-561.2	464.2	390.6	73.60	6.306
13,800.0	10,530.0	14,100.7	10,758.1	40.8	30.5	-119.94	-3,514.6	-561.9	463.4	389.5	73.91	6.269
13,870.0	10,530.0	14,167.8	10,758.0	41.1	31.0	-120.07	-3,581.6	-563.8	461.2	386.5	74.69	6.174
13,900.0	10,530.0	14,195.5	10,758.1	41.3	31.2	-120.14	-3,609.3	-564.5	460.4	385.4	75.01	6.138
13,965.0	10,530.0	14,253.1	10,758.6	41.6	31.6	-120.26	-3,666.8	-565.4	459.5	383.8	75.69	6.071
13,984.2	10,530.0	14,269.8	10,758.6	41.7	31.7	-120.28	-3,683.6	-565.3	459.5	383.6	75.89	6.055
14,000.0	10,530.0	14,283.6	10,758.7	41.8	31.8	-120.28	-3,697.3	-565.2	459.5	383.4	76.04	6.043
14,060.0	10,530.0	14,344.3	10,758.3	42.1	32.2	-120.19	-3,758.1	-564.1	459.9	383.1	76.78	5.990
14,100.0	10,530.0	14,387.6	10,757.3	42.3	32.6	-120.06	-3,801.3	-563.3	459.9	382.5	77.31	5.948
14,155.0	10,530.0	14,442.9	10,755.7	42.6	33.0	-119.84	-3,856.6	-562.4	459.6	381.6	77.96	5.895
14,200.0	10,530.0	14,488.9	10,754.3	42.9	33.3	-119.66	-3,902.6	-561.5	459.4	380.9	78.51	5.851
14,250.0	10,530.0	14,547.0	10,752.4	43.1	33.7	-119.44	-3,960.6	-561.1	458.6	379.4	79.21	5.789
14,300.0	10,530.0	14,596.4	10,750.5	43.4	34.1	-119.28	-4,010.0	-561.4	457.2	377.4	79.81	5.728
14,345.0	10,530.0	14,634.5	10,749.5	43.6	34.3	-119.18	-4,048.1	-561.2	456.5	376.2	80.27	5.686
14,369.8	10,530.0	14,655.5	10,749.2	43.8	34.5	-119.14	-4,069.1	-561.0	456.4	375.8	80.52	5.667
14,400.0	10,530.0	14,686.5	10,748.8	43.9	34.7	-119.08	-4,100.0	-560.6	456.4	375.5	80.91	5.641
14,440.0	10,530.0	14,730.2	10,748.1	44.2	35.0	-118.99	-4,143.8	-560.2	456.2	374.7	81.46	5.600
14,500.0	10,530.0	14,793.8	10,746.5	44.5	35.5	-118.83	-4,207.4	-560.0	455.3	373.0	82.24	5.536
14,535.0	10,530.0	14,830.1	10,745.5	44.7	35.8	-118.73	-4,243.7	-559.9	454.6	371.9	82.68	5.499
14,600.0	10,530.0	14,896.6	10,743.2	45.0	36.2	-118.50	-4,310.1	-559.9	453.2	369.7	83.49	5.428
14,630.0	10,530.0	14,927.1	10,742.0	45.2	36.4	-118.38	-4,340.6	-559.9	452.4	368.6	83.86	5.395
14,700.0	10,530.0	14,988.7	10,739.8	45.6	36.9	-118.14	-4,402.1	-559.5	451.3	366.7	84.61	5.334
14,720.5	10,530.0	15,006.4	10,739.4	45.7	37.0	-118.08	-4,419.8	-559.3	451.2	366.4	84.82	5.320
14,725.0	10,530.0	15,010.3	10,739.3	45.7	37.0	-118.07	-4,423.7	-559.2	451.2	366.3	84.86	5.317
14,800.0	10,530.0	15,086.9	10,738.1	46.2	37.6	-117.88	-4,500.3	-557.8	451.4	365.6	85.83	5.259
14,820.0	10,530.0	15,108.3	10,737.7	46.3	37.8	-117.83	-4,521.7	-557.6	451.3	365.2	86.11	5.241
14,891.6	10,530.0	15,177.6	10,736.6	46.7	38.3	-117.68	-4,590.9	-556.8	451.1	364.1	86.96	5.187
14,900.0	10,530.0	15,185.6	10,736.4	46.7	38.3	-117.67	-4,599.0	-556.7	451.1	364.0	87.06	5.181
14,915.0	10,530.0	15,199.9	10,736.2	46.8	38.4	-117.63	-4,613.3	-556.4	451.1	363.9	87.24	5.171
15,000.0	10,530.0	15,286.1	10,734.9	47.3	39.0	-117.43	-4,699.5	-555.0	451.2	362.9	88.33	5.108
15,010.0	10,530.0	15,296.3	10,734.7	47.4	39.1	-117.41	-4,709.7	-554.9	451.2	362.8	88.46	5.101
15,019.9	10,530.0	15,305.8	10,734.5	47.4	39.2	-117.38	-4,719.2	-554.7	451.2	362.6	88.58	5.094
15,100.0	10,530.0	15,382.8	10,733.1	47.9	39.7	-117.16	-4,796.2	-553.2	451.5	361.9	89.54	5.042
15,105.0	10,530.0	15,387.0	10,733.0	47.9	39.8	-117.14	-4,800.3	-553.1	451.5	361.9	89.58	5.040
15,200.0	10,530.0	15,464.9	10,732.9	48.5	40.3	-117.00	-4,878.2	-550.2	454.1	363.6	90.48	5.019
15,295.0	10,530.0	15,550.6	10,735.3	49.1	41.0	-117.02	-4,963.7	-545.3	459.6	368.1	91.51	5.023
15,300.0	10,530.0	15,555.2	10,735.5	49.1	41.0	-117.02	-4,968.3	-545.0	459.9	368.4	91.56	5.023
15,390.0	10,530.0	15,639.0	10,738.5	49.6	41.6	-117.05	-5,051.8	-539.0	466.6	374.0	92.58	5.040
15,400.0	10,530.0	15,648.3	10,738.9	49.7	41.7	-117.06	-5,061.1	-538.3	467.4	374.7	92.69	5.043
15,485.0	10,530.0	15,756.4	10,741.5	50.2	42.5	-117.00	-5,168.9	-531.6	472.6	378.2	94.40	5.006

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
15,500.0	10,530.0	15,769.9	10,741.5	50.3	42.6	-116.98	-5,182.4	-531.0	473.1	378.6	94.57	5.003
15,580.0	10,530.0	15,852.0	10,741.8	50.8	43.2	-116.85	-5,264.5	-527.5	475.8	380.2	95.68	4.973
15,600.0	10,530.0	15,873.7	10,741.8	50.9	43.4	-116.80	-5,286.1	-526.6	476.4	380.4	95.97	4.964
15,675.0	10,530.0	15,954.4	10,741.0	51.4	44.0	-116.59	-5,366.8	-523.8	478.0	380.9	97.07	4.925
15,700.0	10,530.0	15,981.1	10,740.5	51.5	44.2	-116.51	-5,393.4	-523.0	478.4	380.9	97.42	4.910
15,770.0	10,530.0	16,052.3	10,738.9	51.9	44.7	-116.27	-5,464.6	-521.0	479.0	380.6	98.36	4.870
15,800.0	10,530.0	16,081.0	10,738.4	52.1	44.9	-116.17	-5,493.3	-520.2	479.3	380.6	98.73	4.855
15,865.0	10,530.0	16,144.2	10,737.4	52.5	45.4	-115.99	-5,556.5	-518.3	480.2	380.7	99.55	4.824
15,900.0	10,530.0	16,178.8	10,737.4	52.7	45.6	-115.96	-5,591.0	-517.5	480.8	380.8	100.01	4.807
15,960.0	10,530.0	16,242.5	10,738.3	53.1	46.1	-116.02	-5,654.7	-516.5	481.7	380.8	100.89	4.774
16,000.0	10,530.0	16,287.1	10,738.8	53.4	46.4	-116.08	-5,699.3	-516.2	481.9	380.3	101.52	4.747
16,027.8	10,530.0	16,314.7	10,739.1	53.5	46.6	-116.12	-5,726.9	-516.2	481.8	379.9	101.89	4.729
16,055.0	10,530.0	16,340.7	10,739.5	53.7	46.8	-116.17	-5,752.9	-516.2	481.9	379.6	102.24	4.713
16,100.0	10,530.0	16,384.0	10,740.4	54.0	47.1	-116.28	-5,796.2	-516.1	482.1	379.3	102.82	4.688
16,150.0	10,530.0	16,433.5	10,741.7	54.3	47.5	-116.42	-5,845.7	-516.0	482.4	378.9	103.50	4.661
16,200.0	10,530.0	16,482.8	10,742.8	54.6	47.9	-116.55	-5,895.0	-515.9	482.8	378.6	104.17	4.635
16,245.0	10,530.0	16,524.6	10,743.9	54.9	48.2	-116.66	-5,936.7	-515.6	483.3	378.6	104.72	4.615
16,300.0	10,530.0	16,580.0	10,745.8	55.3	48.6	-116.85	-5,992.1	-515.1	484.3	378.8	105.49	4.591
16,340.0	10,530.0	16,632.3	10,747.1	55.5	49.0	-117.02	-6,044.4	-515.3	484.4	378.1	106.26	4.559
16,400.0	10,530.0	16,694.9	10,747.7	55.9	49.5	-117.18	-6,107.0	-516.5	483.3	376.2	107.13	4.511
16,435.0	10,530.0	16,727.4	10,748.1	56.1	49.7	-117.26	-6,139.5	-517.0	482.8	375.2	107.59	4.488
16,500.0	10,530.0	16,789.2	10,748.9	56.5	50.2	-117.40	-6,201.3	-517.5	482.3	373.9	108.43	4.448
16,530.0	10,530.0	16,818.1	10,749.5	56.7	50.4	-117.48	-6,230.2	-517.7	482.2	373.4	108.83	4.431
16,600.0	10,530.0	16,891.4	10,751.0	57.2	50.9	-117.69	-6,303.5	-518.3	482.0	372.1	109.85	4.388
16,625.0	10,530.0	16,918.5	10,751.3	57.3	51.1	-117.76	-6,330.6	-518.7	481.7	371.5	110.22	4.370
16,700.0	10,530.0	16,998.9	10,751.3	57.8	51.7	-117.86	-6,410.9	-519.9	480.2	368.9	111.33	4.314
16,720.0	10,530.0	17,020.4	10,751.1	58.0	51.9	-117.85	-6,432.4	-520.3	479.7	368.1	111.62	4.298
16,800.0	10,530.0	17,111.2	10,749.0	58.5	52.5	-117.80	-6,523.2	-522.6	476.6	363.8	112.84	4.224
16,815.0	10,530.0	17,126.9	10,748.5	58.6	52.6	-117.79	-6,538.9	-523.2	475.8	362.8	113.05	4.209
16,900.0	10,530.0	17,213.9	10,745.8	59.1	53.3	-117.73	-6,625.7	-526.7	471.0	356.8	114.23	4.123
16,910.0	10,530.0	17,222.7	10,745.6	59.2	53.4	-117.73	-6,634.5	-527.1	470.5	356.1	114.36	4.114
17,000.0	10,530.0	17,303.0	10,744.3	59.8	53.9	-117.76	-6,714.8	-529.7	466.6	351.1	115.52	4.040
17,005.0	10,530.0	17,307.8	10,744.2	59.8	54.0	-117.77	-6,719.6	-529.8	466.5	350.9	115.59	4.036
17,100.0	10,530.0	17,402.0	10,743.1	60.4	54.7	-117.80	-6,813.8	-531.8	463.6	346.7	116.90	3.966
17,195.0	10,530.0	17,500.2	10,740.5	61.1	55.4	-117.69	-6,911.8	-534.2	459.9	341.6	118.25	3.889
17,200.0	10,530.0	17,504.7	10,740.4	61.1	55.4	-117.68	-6,916.3	-534.3	459.7	341.4	118.31	3.886
17,290.0	10,530.0	17,590.2	10,739.0	61.7	56.1	-117.64	-7,001.8	-535.8	457.1	337.6	119.51	3.825
17,300.0	10,530.0	17,600.8	10,738.8	61.8	56.1	-117.64	-7,012.4	-536.0	456.8	337.1	119.66	3.818
17,385.0	10,530.0	17,685.4	10,737.1	62.3	56.8	-117.58	-7,097.0	-537.6	454.1	333.3	120.84	3.758
17,400.0	10,530.0	17,699.0	10,736.8	62.4	56.9	-117.56	-7,110.7	-537.7	453.7	332.7	121.03	3.749
17,480.0	10,530.0	17,770.0	10,735.6	63.0	57.4	-117.46	-7,181.6	-538.0	452.4	330.4	122.01	3.708
17,496.2	10,530.0	17,783.8	10,735.5	63.1	57.5	-117.44	-7,195.4	-537.8	452.3	330.1	122.20	3.702
17,500.0	10,530.0	17,787.1	10,735.4	63.1	57.5	-117.44	-7,198.7	-537.8	452.3	330.1	122.24	3.700
17,575.0	10,530.0	17,850.7	10,735.4	63.6	58.0	-117.37	-7,262.3	-536.4	453.4	330.3	123.06	3.684
17,600.0	10,530.0	17,871.6	10,735.6	63.8	58.2	-117.36	-7,283.2	-535.6	454.1	330.8	123.32	3.683
17,670.0	10,530.0	17,930.7	10,737.1	64.2	58.6	-117.39	-7,342.2	-532.9	457.5	333.5	124.01	3.689
17,700.0	10,530.0	17,958.0	10,738.1	64.4	58.9	-117.43	-7,369.5	-531.3	459.3	335.0	124.35	3.694
17,765.0	10,530.0	18,017.9	10,740.8	64.9	59.3	-117.53	-7,429.1	-527.5	463.9	338.8	125.12	3.708
17,800.0	10,530.0	18,054.4	10,742.7	65.1	59.6	-117.62	-7,465.5	-525.2	466.5	340.9	125.67	3.712
17,860.0	10,530.0	18,121.3	10,746.3	65.5	60.1	-117.82	-7,532.2	-521.5	470.6	343.9	126.76	3.713
17,900.0	10,530.0	18,176.2	10,748.5	65.8	60.5	-117.98	-7,587.1	-519.8	472.3	344.5	127.75	3.697

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation	Warning	
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)	Between Ellipses (usft)	Factor	
17,955.0	10,530.0	18,231.2	10,750.1	66.2	60.9	-118.13	-7,642.0	-519.0	473.4	344.8	128.56	3.682
18,000.0	10,530.0	18,271.0	10,751.5	66.5	61.2	-118.23	-7,681.8	-518.1	474.8	345.7	129.09	3.678
18,050.0	10,530.0	18,319.5	10,753.1	66.8	61.6	-118.34	-7,730.3	-516.5	476.8	347.0	129.77	3.674
18,100.0	10,530.0	18,370.1	10,754.4	67.1	62.0	-118.38	-7,780.8	-514.6	478.7	348.2	130.50	3.668
18,145.0	10,530.0	18,419.4	10,754.8	67.4	62.4	-118.33	-7,830.1	-512.6	480.3	349.0	131.26	3.659
18,200.0	10,530.0	18,479.0	10,753.6	67.8	62.8	-118.07	-7,889.6	-509.9	481.6	349.4	132.14	3.644
18,240.0	10,530.0	18,519.4	10,752.2	68.1	63.1	-117.84	-7,929.9	-508.1	482.3	349.6	132.71	3.635
18,300.0	10,530.0	18,581.8	10,750.0	68.5	63.6	-117.48	-7,992.2	-505.3	483.4	349.8	133.60	3.618
18,335.0	10,530.0	18,619.7	10,748.6	68.7	63.9	-117.27	-8,030.1	-503.8	483.8	349.6	134.15	3.606
18,400.0	10,530.0	18,687.1	10,746.1	69.2	64.4	-116.91	-8,097.4	-501.7	484.1	349.0	135.10	3.583
18,430.0	10,530.0	18,717.4	10,745.0	69.4	64.6	-116.75	-8,127.6	-500.8	484.2	348.7	135.52	3.573
18,500.0	10,530.0	18,786.2	10,742.5	69.9	65.1	-116.42	-8,196.4	-498.9	484.5	348.0	136.48	3.550
18,525.0	10,530.0	18,810.6	10,741.7	70.0	65.3	-116.29	-8,220.7	-498.1	484.6	347.8	136.82	3.542
18,600.0	10,530.0	18,890.4	10,738.7	70.6	65.9	-115.89	-8,300.5	-495.9	484.9	346.9	137.96	3.515
18,620.0	10,530.0	18,912.3	10,737.8	70.7	66.1	-115.77	-8,322.3	-495.4	484.8	346.5	138.27	3.506
18,670.8	10,530.0	18,959.9	10,735.9	71.1	66.4	-115.53	-8,369.8	-494.4	484.6	345.6	138.93	3.488
18,700.0	10,530.0	18,986.7	10,735.0	71.3	66.6	-115.42	-8,396.6	-493.7	484.6	345.3	139.30	3.479
18,715.0	10,530.0	19,000.4	10,734.7	71.4	66.7	-115.37	-8,410.4	-493.4	484.7	345.2	139.49	3.475
18,800.0	10,530.0	19,065.8	10,734.5	71.9	67.2	-115.26	-8,475.6	-491.0	487.0	346.7	140.24	3.472
18,810.0	10,530.0	19,073.3	10,734.7	72.0	67.3	-115.26	-8,483.1	-490.7	487.5	347.2	140.32	3.474
18,900.0	10,530.0	19,189.0	10,737.4	72.6	68.2	-115.34	-8,598.7	-485.9	491.6	349.2	142.35	3.453
18,905.0	10,530.0	19,197.1	10,737.2	72.7	68.3	-115.32	-8,606.8	-485.7	491.6	349.1	142.49	3.450
19,000.0	10,530.0	19,299.1	10,735.4	73.3	69.0	-115.13	-8,708.8	-485.1	490.8	346.9	143.97	3.409
19,095.0	10,530.0	19,407.7	10,732.6	74.0	69.8	-115.00	-8,817.3	-487.8	487.1	341.6	145.46	3.348
19,100.0	10,530.0	19,412.6	10,732.5	74.0	69.9	-115.00	-8,822.2	-488.0	486.8	341.3	145.53	3.345
19,190.0	10,530.0	19,507.0	10,729.9	74.7	70.6	-114.91	-8,916.6	-491.3	482.4	335.5	146.84	3.285
19,200.0	10,530.0	19,518.2	10,729.5	74.7	70.7	-114.90	-8,927.7	-491.8	481.8	334.8	146.98	3.278
19,285.0	10,530.0	19,607.7	10,725.9	75.3	71.3	-114.75	-9,017.0	-496.1	476.1	327.9	148.20	3.213
19,300.0	10,530.0	19,623.0	10,725.1	75.4	71.5	-114.71	-9,032.2	-496.8	475.1	326.7	148.41	3.201
19,380.0	10,530.0	19,705.0	10,720.9	76.0	72.1	-114.47	-9,114.0	-500.8	469.3	319.8	149.54	3.138
19,400.0	10,530.0	19,725.5	10,719.7	76.1	72.2	-114.41	-9,134.5	-501.9	467.8	318.0	149.82	3.123
19,475.0	10,530.0	19,796.4	10,716.3	76.6	72.7	-114.22	-9,205.3	-505.4	462.4	311.5	150.89	3.065
19,500.0	10,530.0	19,819.9	10,715.4	76.8	72.9	-114.19	-9,228.7	-506.6	460.8	309.5	151.24	3.046
19,570.0	10,530.0	19,893.2	10,713.2	77.3	73.5	-114.17	-9,301.8	-510.6	456.0	303.8	152.25	2.995
19,600.0	10,530.0	19,923.8	10,712.5	77.5	73.7	-114.19	-9,332.4	-512.5	453.8	301.2	152.68	2.973
19,665.0	10,530.0	19,986.6	10,711.4	78.0	74.1	-114.30	-9,395.1	-516.5	449.2	295.6	153.62	2.924
19,700.0	10,530.0	20,019.9	10,711.3	78.2	74.4	-114.41	-9,428.3	-518.7	446.9	292.7	154.13	2.899
19,760.0	10,530.0	20,076.3	10,711.1	78.6	74.8	-114.59	-9,484.5	-522.0	443.2	288.2	155.00	2.859
19,800.0	10,530.0	20,114.7	10,711.1	78.9	75.1	-114.71	-9,522.9	-524.1	441.0	285.4	155.58	2.834
19,855.0	10,530.0	20,168.8	10,710.9	79.3	75.5	-114.86	-9,576.9	-526.8	438.1	281.7	156.38	2.801
19,900.0	10,530.0	20,211.9	10,710.7	79.6	75.8	-114.96	-9,620.0	-528.8	435.8	278.8	157.03	2.775
19,950.0	10,530.0	20,259.1	10,710.9	80.0	76.2	-115.12	-9,667.1	-530.9	433.6	275.9	157.75	2.749
20,000.0	10,530.0	20,304.9	10,711.7	80.3	76.5	-115.33	-9,712.9	-532.8	431.8	273.3	158.45	2.725
20,045.0	10,530.0	20,345.4	10,712.8	80.7	76.8	-115.58	-9,753.4	-534.3	430.6	271.5	159.07	2.707
20,100.0	10,530.0	20,395.9	10,715.1	81.0	77.2	-115.95	-9,803.8	-535.9	429.7	269.9	159.82	2.689
20,140.0	10,530.0	20,433.0	10,717.2	81.3	77.5	-116.28	-9,840.8	-537.0	429.5	269.1	160.37	2.678
20,160.3	10,530.0	20,451.8	10,718.3	81.5	77.6	-116.46	-9,859.6	-537.5	429.4	268.8	160.65	2.673
20,200.0	10,530.0	20,488.1	10,720.8	81.8	77.9	-116.81	-9,895.8	-538.3	429.6	268.4	161.17	2.665
20,235.0	10,530.0	20,520.1	10,722.9	82.0	78.1	-117.10	-9,927.7	-538.7	430.0	268.4	161.63	2.661
20,300.0	10,530.0	20,581.6	10,727.0	82.5	78.6	-117.63	-9,989.0	-539.0	431.4	268.8	162.51	2.654
20,330.0	10,530.0	20,610.8	10,729.0	82.7	78.8	-117.88	-10,018.2	-539.1	432.1	269.2	162.94	2.652

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #801H - ST01 - AWP													Offset Site Error: 3.0 usft	
Survey Program: 100-Standard Keeper 104, 10226-MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (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)				
20,392.7	10,530.0	20,674.0	10,733.6	83.1	79.3	-118.45	-10,081.2	-539.2	433.8	269.9	163.90	2.647		
20,400.0	10,530.0	20,681.5	10,734.1	83.2	79.3	-118.51	-10,088.7	-539.2	433.9	269.9	164.01	2.646		
20,425.0	10,530.0	20,707.3	10,735.9	83.4	79.5	-118.74	-10,114.5	-539.4	434.5	270.1	164.41	2.643 SF		
20,500.0	10,530.0	20,769.0	10,740.0	83.9	80.0	-119.25	-10,176.0	-539.6	436.4	271.4	165.09	2.644		
20,520.0	10,530.0	20,769.0	10,740.0	84.0	80.0	-119.25	-10,176.0	-539.6	438.0	273.5	164.47	2.663		
20,522.7	10,530.0	20,769.0	10,740.0	84.0	80.0	-119.25	-10,176.0	-539.6	438.2	273.9	164.36	2.666		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #802H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	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)	Separation (usft)		
0.0	0.0	0.0	0.0	3.0	3.0	-90.51	-0.8	-90.0	90.1				
95.0	95.0	91.4	91.4	3.0	3.0	-90.37	-0.6	-90.3	90.3	84.3	6.00	15.050	
100.0	100.0	96.4	96.4	3.0	3.0	-90.35	-0.6	-90.3	90.3	84.3	6.00	15.056	
190.0	190.0	186.9	186.9	3.0	3.0	-90.05	-0.1	-90.7	90.7	84.7	6.00	15.101	
200.0	200.0	196.8	196.8	3.0	3.0	-89.98	0.0	-90.7	90.7	84.7	6.00	15.102	
285.0	285.0	281.7	281.7	3.0	3.0	-89.35	1.0	-91.1	91.1	85.1	6.01	15.153	
300.0	300.0	296.7	296.7	3.0	3.0	-89.25	1.2	-91.1	91.1	85.1	6.01	15.158	
380.0	380.0	376.8	376.8	3.0	3.0	-88.54	2.3	-91.4	91.4	85.4	6.02	15.189	
400.0	400.0	396.6	396.6	3.0	3.0	-88.37	2.6	-91.5	91.5	85.5	6.02	15.195	
475.0	475.0	471.6	471.6	3.0	3.0	-87.87	3.4	-91.9	91.9	85.9	6.03	15.238	
500.0	500.0	496.9	496.8	3.1	3.1	-87.74	3.6	-91.9	92.0	86.0	6.04	15.240	
570.0	570.0	566.6	566.6	3.1	3.1	-87.45	4.1	-92.1	92.2	86.1	6.05	15.237	
600.0	600.0	596.4	596.4	3.1	3.1	-87.36	4.3	-92.3	92.4	86.3	6.06	15.247	
665.0	665.0	661.4	661.3	3.1	3.1	-87.12	4.7	-92.7	92.8	86.8	6.08	15.282	
665.1	665.1	661.5	661.5	3.1	3.1	-87.12	4.7	-92.7	92.8	86.8	6.08	15.282	
700.0	700.0	682.0	682.0	3.1	3.1	-87.06	4.8	-92.9	94.2	88.2	6.01	15.673	
760.0	760.0	682.0	682.0	3.1	3.1	-87.06	4.8	-92.9	119.5	114.6	4.85	24.648	
800.0	800.0	682.0	682.0	3.2	3.1	-87.06	4.8	-92.9	147.9	143.9	4.05	36.559	
855.0	855.0	682.0	682.0	3.2	3.1	-87.06	4.8	-92.9	193.8	190.5	3.30	58.701	
900.0	900.0	682.0	682.0	3.2	3.1	-87.06	4.8	-92.9	234.3	231.4	2.93	79.945	
950.0	950.0	682.0	682.0	3.2	3.1	-87.06	4.8	-92.9	280.9	278.2	2.68	104.978	
1,000.0	1,000.0	682.0	682.0	3.2	3.1	-87.06	4.8	-92.9	328.5	325.9	2.52	130.136	
1,045.0	1,045.0	682.0	682.0	3.3	3.1	-87.06	4.8	-92.9	371.9	369.4	2.44	152.144	
1,100.0	1,100.0	682.0	682.0	3.3	3.1	-87.06	4.8	-92.9	425.3	422.9	2.39	177.744	
1,140.0	1,140.0	682.0	682.0	3.3	3.1	-87.06	4.8	-92.9	464.4	462.1	2.38	195.321	
1,200.0	1,200.0	682.0	682.0	3.4	3.1	-87.06	4.8	-92.9	523.4	521.0	2.38	220.038	
1,235.0	1,235.0	682.0	682.0	3.4	3.1	-87.06	4.8	-92.9	557.8	555.5	2.39	233.555	
1,300.0	1,300.0	682.0	682.0	3.4	3.1	-87.06	4.8	-92.9	622.0	619.6	2.42	257.061	
1,330.0	1,330.0	682.0	682.0	3.4	3.1	-87.06	4.8	-92.9	651.7	649.3	2.44	267.237	
1,400.0	1,400.0	682.0	682.0	3.5	3.1	-87.06	4.8	-92.9	721.1	718.6	2.49	289.538	
1,425.0	1,425.0	682.0	682.0	3.5	3.1	-87.06	4.8	-92.9	745.9	743.3	2.51	297.027	
1,500.0	1,500.0	682.0	682.0	3.5	3.1	-87.06	4.8	-92.9	820.3	817.7	2.58	318.213	
1,520.0	1,520.0	682.0	682.0	3.6	3.1	-87.06	4.8	-92.9	840.2	837.6	2.60	323.539	
1,600.0	1,600.0	682.0	682.0	3.6	3.1	-87.06	4.8	-92.9	919.7	917.1	2.68	343.704	
1,615.0	1,615.0	682.0	682.0	3.6	3.1	-87.06	4.8	-92.9	934.7	932.0	2.69	347.277	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 873-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
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)	Between Ellipses (usft)	Separation (usft)	Factor		
0.0	0.0	0.0	0.0	3.0	3.0	-90.47	-1.0	-120.0	120.1					
95.0	95.0	91.8	91.8	3.0	3.0	-90.67	-1.4	-120.1	120.1	114.1	6.00	20.016		
100.0	100.0	96.8	96.8	3.0	3.0	-90.69	-1.4	-120.1	120.1	114.1	6.00	20.017		
190.0	190.0	187.4	187.3	3.0	3.0	-91.25	-2.6	-120.0	120.1	114.1	6.00	20.004		
200.0	200.0	197.4	197.4	3.0	3.0	-91.32	-2.8	-120.0	120.0	114.0	6.00	19.997		
285.0	285.0	282.1	282.1	3.0	3.0	-91.81	-3.8	-119.7	119.8	113.8	6.01	19.941		
300.0	300.0	297.2	297.2	3.0	3.0	-91.92	-4.0	-119.7	119.8	113.8	6.01	19.934		
380.0	380.0	377.6	377.5	3.0	3.0	-92.49	-5.2	-119.3	119.4	113.4	6.02	19.850		
400.0	400.0	397.3	397.2	3.0	3.0	-92.63	-5.5	-119.2	119.4	113.3	6.02	19.832		
415.4	415.4	412.4	412.4	3.0	3.0	-92.75	-5.7	-119.2	119.3	113.3	6.02	19.824		
475.0	475.0	471.8	471.8	3.0	3.0	-93.18	-6.6	-119.3	119.4	113.4	6.03	19.818		
500.0	500.0	496.8	496.8	3.1	3.1	-93.36	-7.0	-119.3	119.5	113.5	6.03	19.815		
570.0	570.0	566.7	566.7	3.1	3.1	-94.00	-8.4	-119.4	119.7	113.6	6.04	19.807		
600.0	600.0	596.9	596.8	3.1	3.1	-94.27	-8.9	-119.4	119.7	113.7	6.05	19.802		
665.0	665.0	662.7	662.7	3.1	3.1	-94.77	-9.9	-119.2	119.6	113.5	6.06	19.737		
700.0	700.0	698.0	698.0	3.1	3.1	-95.12	-10.7	-118.9	119.3	113.3	6.07	19.673		
760.0	760.0	758.0	757.9	3.1	3.2	-95.85	-12.1	-118.2	118.9	112.8	6.10	19.491		
800.0	800.0	798.0	797.9	3.2	3.2	-96.39	-13.2	-117.8	118.6	112.4	6.13	19.352		
855.0	855.0	853.0	852.9	3.2	3.4	-97.22	-14.8	-117.2	118.1	112.0	6.18	19.126		
900.0	900.0	897.9	897.7	3.2	3.5	-97.92	-16.2	-116.7	117.8	111.6	6.23	18.920		
950.0	950.0	947.6	947.4	3.2	3.6	-98.52	-17.4	-116.3	117.6	111.3	6.29	18.695		
988.8	988.8	986.0	985.8	3.2	3.7	-98.81	-18.0	-116.1	117.5	111.1	6.38	18.417 CC		
1,000.0	1,000.0	997.0	996.8	3.2	3.7	-98.84	-18.1	-116.1	117.5	111.1	6.42	18.317 ES		
1,045.0	1,045.0	1,041.3	1,041.1	3.3	3.8	-98.75	-17.9	-116.3	117.7	111.1	6.57	17.914		
1,100.0	1,100.0	1,095.7	1,095.5	3.3	4.1	-98.31	-17.1	-117.0	118.3	111.5	6.77	17.463		
1,140.0	1,140.0	1,135.3	1,135.1	3.3	4.3	-97.97	-16.5	-117.7	118.9	111.9	6.93	17.151		
1,200.0	1,200.0	1,195.1	1,194.9	3.4	4.5	-97.44	-15.5	-118.8	119.9	112.8	7.03	17.054		
1,235.0	1,235.0	1,230.0	1,229.7	3.4	4.5	-97.10	-14.9	-119.6	120.5	113.4	7.07	17.037		
1,300.0	1,300.0	1,294.9	1,294.7	3.4	4.6	-96.45	-13.7	-121.0	121.8	114.6	7.17	16.977		
1,330.0	1,330.0	1,324.9	1,324.6	3.4	4.7	-96.16	-13.1	-121.6	122.3	115.1	7.22	16.945 SF		
1,400.0	1,400.0	1,336.0	1,335.7	3.5	4.7	-96.05	-12.9	-121.8	137.0	130.2	6.77	20.242		
1,425.0	1,425.0	1,336.0	1,335.7	3.5	4.7	-96.05	-12.9	-121.8	149.9	143.4	6.44	23.255		
1,500.0	1,500.0	1,336.0	1,335.7	3.5	4.7	-96.05	-12.9	-121.8	202.5	196.9	5.66	35.813		
1,520.0	1,520.0	1,336.0	1,335.7	3.6	4.7	-96.05	-12.9	-121.8	218.8	213.3	5.52	39.669		
1,600.0	1,600.0	1,336.0	1,335.7	3.6	4.7	-96.05	-12.9	-121.8	288.6	283.4	5.18	55.750		
1,615.0	1,615.0	1,336.0	1,335.7	3.6	4.7	-96.05	-12.9	-121.8	302.2	297.1	5.14	58.790		
1,700.0	1,700.0	1,336.0	1,335.7	3.7	4.7	-96.05	-12.9	-121.8	381.5	376.5	5.03	75.775		
1,710.0	1,710.0	1,336.0	1,335.7	3.7	4.7	-96.05	-12.9	-121.8	391.0	386.0	5.03	77.733		
1,800.0	1,800.0	1,336.0	1,335.7	3.8	4.7	-96.05	-12.9	-121.8	477.3	472.3	5.03	94.914		
1,805.0	1,805.0	1,336.0	1,335.7	3.8	4.7	-96.05	-12.9	-121.8	482.1	477.1	5.03	95.844		
1,900.0	1,900.0	1,336.0	1,335.7	3.9	4.7	-96.05	-12.9	-121.8	574.5	569.4	5.08	113.043		
1,995.0	1,995.0	1,336.0	1,335.7	3.9	4.7	-96.05	-12.9	-121.8	667.6	662.5	5.16	129.368		
2,000.0	2,000.0	1,336.0	1,335.7	3.9	4.7	-96.05	-12.9	-121.8	672.5	667.4	5.17	130.205		
2,090.0	2,090.0	1,336.0	1,335.7	4.1	4.7	-71.18	-12.9	-121.8	761.2	755.1	6.05	125.909		
2,100.0	2,100.0	1,336.0	1,335.7	4.2	4.7	-70.07	-12.9	-121.8	771.0	764.9	6.14	125.474		
2,185.0	2,184.9	1,336.0	1,335.7	4.7	4.7	-60.79	-12.9	-121.8	854.9	848.7	6.22	137.545		
2,200.0	2,199.8	1,336.0	1,335.7	4.8	4.7	-59.21	-12.9	-121.8	869.7	863.4	6.23	139.639		
2,250.0	2,249.7	1,336.0	1,335.7	4.9	4.7	-54.12	-12.9	-121.8	919.0	912.7	6.27	146.550		
2,280.0	2,279.6	1,336.0	1,335.7	5.0	4.7	-54.12	-12.9	-121.8	948.6	942.3	6.30	150.610		
2,300.0	2,299.5	1,336.0	1,335.7	5.0	4.7	-54.12	-12.9	-121.8	968.4	962.1	6.32	153.296		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
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)	Between Ellipses (usft)	Separation (usft)			
0.0	0.0	0.0	0.0	3.0	3.0	-90.52	-0.3	-30.0	30.0					
95.0	95.0	95.0	95.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.00	5.000		
100.0	100.0	100.0	100.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.00	5.000		
190.0	190.0	190.0	190.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.00	4.998		
200.0	200.0	200.0	200.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.00	4.998		
285.0	285.0	285.0	285.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.01	4.994		
300.0	300.0	300.0	300.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.01	4.993		
380.0	380.0	380.0	380.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.02	4.987		
400.0	400.0	400.0	400.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.02	4.985		
475.0	475.0	475.0	475.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.03	4.978		
500.0	500.0	500.0	500.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	24.0	6.03	4.975		
570.0	570.0	570.0	570.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	24.0	6.04	4.966		
600.0	600.0	600.0	600.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	24.0	6.05	4.962		
665.0	665.0	665.0	665.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	23.9	6.06	4.952		
700.0	700.0	700.0	700.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	23.9	6.06	4.947		
760.0	760.0	760.0	760.0	3.1	3.1	-90.52	-0.3	-30.0	30.0	23.9	6.08	4.936		
800.0	800.0	800.0	800.0	3.2	3.2	-90.52	-0.3	-30.0	30.0	23.9	6.09	4.929		
855.0	855.0	855.0	855.0	3.2	3.2	-90.52	-0.3	-30.0	30.0	23.9	6.10	4.918		
900.0	900.0	900.0	900.0	3.2	3.2	-90.52	-0.3	-30.0	30.0	23.9	6.11	4.909		
950.0	950.0	950.0	950.0	3.2	3.2	-90.52	-0.3	-30.0	30.0	23.9	6.13	4.898		
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	-90.52	-0.3	-30.0	30.0	23.9	6.14	4.886		
1,045.0	1,045.0	1,045.0	1,045.0	3.3	3.3	-90.52	-0.3	-30.0	30.0	23.8	6.15	4.875		
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	-90.52	-0.3	-30.0	30.0	23.8	6.17	4.861		
1,140.0	1,140.0	1,140.0	1,140.0	3.3	3.3	-90.52	-0.3	-30.0	30.0	23.8	6.18	4.851		
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	-90.52	-0.3	-30.0	30.0	23.8	6.21	4.835		
1,235.0	1,235.0	1,235.0	1,235.0	3.4	3.4	-90.52	-0.3	-30.0	30.0	23.8	6.22	4.825		
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-90.52	-0.3	-30.0	30.0	23.8	6.24	4.806		
1,330.0	1,330.0	1,330.0	1,330.0	3.4	3.4	-90.52	-0.3	-30.0	30.0	23.7	6.25	4.797		
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-90.52	-0.3	-30.0	30.0	23.7	6.28	4.775		
1,425.0	1,425.0	1,425.0	1,425.0	3.5	3.5	-90.52	-0.3	-30.0	30.0	23.7	6.29	4.767		
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	-90.52	-0.3	-30.0	30.0	23.7	6.33	4.743		
1,520.0	1,520.0	1,520.0	1,520.0	3.6	3.6	-90.52	-0.3	-30.0	30.0	23.7	6.33	4.736		
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	-90.52	-0.3	-30.0	30.0	23.6	6.37	4.709		
1,615.0	1,615.0	1,615.0	1,615.0	3.6	3.6	-90.52	-0.3	-30.0	30.0	23.6	6.38	4.704		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-90.52	-0.3	-30.0	30.0	23.6	6.42	4.674		
1,710.0	1,710.0	1,710.0	1,710.0	3.7	3.7	-90.52	-0.3	-30.0	30.0	23.6	6.42	4.670		
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	-90.52	-0.3	-30.0	30.0	23.5	6.47	4.637		
1,805.0	1,805.0	1,805.0	1,805.0	3.8	3.8	-90.52	-0.3	-30.0	30.0	23.5	6.47	4.635		
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	-90.52	-0.3	-30.0	30.0	23.5	6.52	4.599		
1,995.0	1,995.0	1,995.0	1,995.0	3.9	3.9	-90.52	-0.3	-30.0	30.0	23.4	6.58	4.562		
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	-90.52	-0.3	-30.0	30.0	23.4	6.58	4.560		
2,090.0	2,090.0	2,089.8	2,089.8	4.1	4.1	-75.52	1.1	-30.4	30.0	23.4	6.61	4.536		
2,100.0	2,100.0	2,099.7	2,099.7	4.2	4.2	-75.52	1.4	-30.4	30.0	23.4	6.62	4.533		
2,185.0	2,184.9	2,184.5	2,184.4	4.7	4.7	-75.54	5.5	-31.5	30.0	23.3	6.68	4.488		
2,200.0	2,199.8	2,199.5	2,199.3	4.8	4.8	-75.55	6.4	-31.8	30.0	23.3	6.70	4.480		
2,250.0	2,249.7	2,249.3	2,249.0	4.9	4.9	-75.57	10.2	-32.8	30.0	23.2	6.76	4.436		
2,260.2	2,259.9	2,259.6	2,259.2	5.0	5.0	-75.57	11.1	-33.0	30.0	23.2	6.78	4.425		
2,280.0	2,279.6	2,279.3	2,278.9	5.0	5.0	-75.57	12.7	-33.5	30.0	23.2	6.81	4.402		
2,296.0	2,295.5	2,295.4	2,294.9	5.0	5.0	-75.57	14.1	-33.8	30.0	23.2	6.84	4.384		
2,300.0	2,299.5	2,299.3	2,298.8	5.0	5.0	-75.57	14.4	-33.9	30.0	23.1	6.85	4.380		
2,320.1	2,319.6	2,319.5	2,318.9	5.0	5.0	-75.57	16.1	-34.4	30.0	23.1	6.90	4.349		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Warning			
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)	Between Ellipses (usft)	Separation Factor		
2,375.0	2,374.2	2,374.3	2,373.6	5.1	5.1	-75.57	20.7	-35.6	30.0	23.0	7.03	4.264	
2,395.0	2,394.1	2,394.3	2,393.5	5.1	5.1	-75.57	22.4	-36.1	30.0	22.9	7.09	4.232	
2,400.0	2,399.1	2,399.3	2,398.5	5.1	5.1	-75.57	22.8	-36.2	30.0	22.9	7.10	4.224	
2,419.6	2,418.7	2,419.0	2,418.0	5.1	5.1	-75.57	24.5	-36.6	30.0	22.8	7.16	4.187	
2,470.0	2,468.8	2,469.3	2,468.2	5.2	5.2	-75.57	28.7	-37.8	30.0	22.7	7.33	4.090	
2,484.7	2,483.5	2,484.0	2,482.8	5.2	5.2	-75.57	30.0	-38.1	30.0	22.6	7.38	4.062	
2,500.0	2,498.7	2,499.3	2,498.1	5.3	5.3	-75.57	31.3	-38.4	30.0	22.6	7.44	4.033	
2,535.0	2,533.6	2,534.3	2,532.9	5.3	5.3	-75.57	34.2	-39.2	30.0	22.4	7.55	3.971	
2,545.1	2,543.7	2,544.4	2,542.9	5.3	5.3	-73.36	35.0	-39.5	30.0	22.4	7.59	3.950	
2,559.9	2,558.4	2,559.0	2,557.5	5.3	5.3	-70.02	36.2	-39.9	30.0	22.3	7.65	3.919 CC	
2,565.0	2,563.5	2,564.1	2,562.6	5.3	5.3	-68.84	36.6	-40.0	30.0	22.3	7.67	3.908	
2,600.0	2,598.4	2,598.8	2,597.1	5.4	5.4	-60.50	39.3	-41.3	30.0	22.2	7.82	3.837	
2,660.0	2,658.2	2,658.2	2,656.4	5.6	5.6	-45.84	43.2	-44.3	30.0	21.8	8.19	3.669	
2,700.0	2,698.0	2,697.9	2,695.9	5.8	5.8	-36.55	45.6	-46.9	30.1	21.6	8.44	3.563	
2,755.0	2,752.8	2,752.4	2,750.2	6.1	6.1	-25.19	48.3	-51.2	30.1	21.5	8.69	3.469	
2,800.0	2,797.6	2,797.0	2,794.5	6.4	6.4	-17.29	50.1	-55.4	30.2	21.3	8.89	3.398	
2,850.0	2,847.3	2,846.5	2,843.8	6.6	6.6	-9.91	51.6	-60.7	30.3	21.2	9.14	3.317	
2,900.0	2,896.9	2,896.1	2,892.9	6.9	6.9	-3.77	52.8	-66.8	30.5	21.1	9.40	3.240	
2,945.0	2,941.5	2,940.7	2,937.1	7.0	7.0	0.92	53.4	-72.9	30.6	20.7	9.87	3.100	
3,000.0	2,995.9	2,995.2	2,991.0	7.2	7.2	5.82	53.7	-81.1	30.8	20.4	10.45	2.948	
3,040.0	3,035.4	3,034.9	3,030.1	7.4	7.3	8.94	53.6	-87.6	31.0	20.0	10.94	2.832	
3,100.0	3,094.4	3,094.3	3,088.6	7.5	7.5	13.08	52.8	-98.3	31.3	19.5	11.74	2.663	
3,135.0	3,128.8	3,129.0	3,122.6	7.6	7.6	15.26	52.1	-105.0	31.5	19.4	12.02	2.618	
3,144.0	3,137.6	3,137.9	3,131.4	7.6	7.6	15.80	51.8	-106.8	31.5	19.4	12.08	2.607 ES	
3,200.0	3,192.5	3,193.8	3,186.0	7.7	7.7	16.54	50.2	-118.2	32.1	19.6	12.42	2.582	
3,230.0	3,221.9	3,223.8	3,215.4	7.8	7.8	16.88	49.3	-124.4	32.4	19.8	12.59	2.572	
3,300.0	3,290.5	3,293.8	3,283.8	8.0	8.0	17.67	47.3	-138.8	33.1	20.1	13.00	2.550	
3,325.0	3,315.0	3,318.8	3,308.3	8.0	8.0	17.95	46.6	-143.9	33.4	20.3	13.16	2.540	
3,400.0	3,388.5	3,393.8	3,381.6	8.2	8.2	18.74	44.3	-159.4	34.2	20.6	13.64	2.511	
3,420.0	3,408.1	3,413.8	3,401.2	8.2	8.2	18.94	43.8	-163.5	34.5	20.7	13.77	2.503	
3,500.0	3,486.5	3,493.8	3,479.4	8.4	8.4	19.74	41.4	-180.0	35.4	21.1	14.30	2.473	
3,515.0	3,501.2	3,508.8	3,494.1	8.5	8.5	19.88	41.0	-183.0	35.5	21.1	14.40	2.468	
3,600.0	3,584.4	3,593.8	3,577.2	8.7	8.7	20.68	38.5	-200.5	36.5	21.5	14.97	2.437	
3,610.0	3,594.2	3,603.8	3,587.0	8.7	8.7	20.77	38.2	-202.6	36.6	21.6	15.04	2.434	
3,700.0	3,682.4	3,693.8	3,675.0	9.0	9.0	21.56	35.5	-221.1	37.6	22.0	15.65	2.403	
3,705.0	3,687.3	3,698.8	3,679.9	9.0	9.0	21.60	35.4	-222.1	37.7	22.0	15.69	2.401	
3,800.0	3,780.4	3,793.7	3,772.9	9.2	9.3	22.39	32.6	-241.7	38.8	22.4	16.35	2.371	
3,895.0	3,873.5	3,888.7	3,865.8	9.5	9.5	23.13	29.8	-261.2	39.8	22.8	17.01	2.342	
3,900.0	3,878.4	3,893.7	3,870.7	9.5	9.5	23.17	29.7	-262.3	39.9	22.9	17.05	2.341	
3,990.0	3,966.6	3,983.7	3,958.7	9.8	9.8	23.84	27.0	-280.8	40.9	23.3	17.68	2.315	
4,000.0	3,976.4	3,993.7	3,968.5	9.8	9.8	23.91	26.7	-282.9	41.1	23.3	17.75	2.312	
4,085.0	4,059.7	4,078.7	4,051.6	10.1	10.1	24.50	24.2	-300.4	42.0	23.7	18.36	2.290	
4,100.0	4,074.4	4,093.7	4,066.3	10.1	10.1	24.61	23.8	-303.4	42.2	23.7	18.47	2.286	
4,180.0	4,152.8	4,173.7	4,144.5	10.4	10.4	25.14	21.4	-319.9	43.1	24.1	19.04	2.266	
4,200.0	4,172.4	4,193.7	4,164.1	10.4	10.5	25.27	20.8	-324.0	43.4	24.2	19.19	2.261	
4,275.0	4,245.9	4,268.7	4,237.4	10.7	10.7	25.74	18.6	-339.5	44.3	24.5	19.73	2.243	
4,300.0	4,270.4	4,293.7	4,261.9	10.7	10.8	25.89	17.9	-344.6	44.6	24.6	19.91	2.237	
4,370.0	4,339.0	4,363.7	4,330.4	11.0	11.0	26.31	15.8	-359.0	45.4	25.0	20.42	2.222	
4,400.0	4,368.4	4,393.7	4,359.7	11.1	11.1	26.49	15.0	-365.2	45.7	25.1	20.64	2.215	
4,465.0	4,432.1	4,458.7	4,423.3	11.3	11.3	26.86	13.1	-378.6	46.5	25.4	21.12	2.202	
4,500.0	4,466.4	4,493.7	4,457.5	11.4	11.4	27.05	12.0	-385.8	46.9	25.5	21.37	2.195	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0													Offset Site Error: 3.0 usft		
Survey Program: Reference		0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS					Rule Assigned:							Offset Well Error: 3.0 usft	
Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Minimum 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)	Minimum Separation (usft)	Separation Factor	Warning		
4,560.0	4,525.2	4,553.7	4,516.2	11.6	11.6	27.38	10.3	-398.1	47.6	25.8	21.81	2.183			
4,600.0	4,564.4	4,593.7	4,555.3	11.7	11.7	27.59	9.1	-406.3	48.1	26.0	22.11	2.175			
4,655.0	4,618.3	4,648.7	4,609.1	11.9	11.9	27.87	7.5	-417.7	48.8	26.2	22.51	2.165			
4,700.0	4,662.4	4,693.7	4,653.1	12.0	12.1	28.10	6.2	-426.9	49.3	26.4	22.85	2.157			
4,750.0	4,711.4	4,743.7	4,702.0	12.2	12.2	28.34	4.7	-437.2	49.9	26.7	23.22	2.149			
4,800.0	4,760.4	4,793.7	4,750.9	12.4	12.4	28.58	3.2	-447.5	50.5	26.9	23.59	2.140			
4,845.0	4,804.4	4,838.7	4,794.9	12.5	12.6	28.80	1.9	-456.8	51.0	27.1	23.92	2.133			
4,900.0	4,858.3	4,893.7	4,848.7	12.7	12.8	29.05	0.3	-468.1	51.7	27.3	24.33	2.124			
4,940.0	4,897.5	4,933.7	4,887.9	12.8	12.9	29.23	-0.9	-476.3	52.2	27.5	24.63	2.118			
5,000.0	4,956.3	4,993.6	4,946.5	13.1	13.1	29.49	-2.7	-488.7	52.9	27.8	25.08	2.109			
5,035.0	4,990.6	5,028.6	4,980.8	13.2	13.2	29.64	-3.7	-495.9	53.3	28.0	25.34	2.104			
5,100.0	5,054.3	5,093.6	5,044.3	13.4	13.4	29.91	-5.6	-509.2	54.1	28.3	25.82	2.094			
5,130.0	5,083.7	5,123.6	5,073.7	13.5	13.5	30.04	-6.5	-515.4	54.4	28.4	26.05	2.090			
5,200.0	5,152.3	5,193.6	5,142.2	13.7	13.8	30.32	-8.5	-529.8	55.3	28.7	26.57	2.081			
5,225.0	5,176.8	5,218.6	5,166.6	13.8	13.9	30.42	-9.3	-535.0	55.6	28.8	26.76	2.077			
5,300.0	5,250.3	5,293.6	5,240.0	14.1	14.1	30.71	-11.5	-550.4	56.5	29.2	27.32	2.068			
5,320.0	5,269.9	5,313.6	5,259.5	14.2	14.2	30.78	-12.1	-554.5	56.7	29.3	27.47	2.065			
5,400.0	5,348.3	5,393.6	5,337.8	14.4	14.5	31.08	-14.4	-571.0	57.7	29.6	28.07	2.056			
5,415.0	5,363.0	5,408.6	5,352.4	14.5	14.5	31.13	-14.9	-574.1	57.9	29.7	28.19	2.054			
5,500.0	5,446.3	5,493.6	5,435.6	14.8	14.8	31.43	-17.4	-591.6	58.9	30.1	28.83	2.044			
5,510.0	5,456.1	5,503.6	5,445.4	14.8	14.9	31.47	-17.6	-593.6	59.0	30.1	28.90	2.043			
5,600.0	5,544.3	5,593.6	5,533.4	15.1	15.2	31.77	-20.3	-612.1	60.1	30.6	29.58	2.033			
5,605.0	5,549.2	5,598.6	5,538.3	15.2	15.2	31.79	-20.4	-613.2	60.2	30.6	29.62	2.033			
5,700.0	5,642.3	5,693.6	5,631.2	15.5	15.6	32.10	-23.2	-632.7	61.4	31.0	30.33	2.023			
5,795.0	5,735.4	5,788.6	5,724.1	15.8	15.9	32.40	-26.0	-652.3	62.5	31.5	31.05	2.013			
5,800.0	5,740.3	5,793.6	5,729.0	15.9	15.9	32.42	-26.2	-653.3	62.6	31.5	31.09	2.013			
5,890.0	5,828.5	5,883.6	5,817.0	16.2	16.2	32.69	-28.8	-671.8	63.7	31.9	31.77	2.004			
5,900.0	5,838.3	5,893.6	5,826.8	16.2	16.3	32.72	-29.1	-673.9	63.8	31.9	31.85	2.003			
5,985.0	5,921.6	5,978.6	5,909.9	16.5	16.6	32.97	-31.6	-691.4	64.8	32.3	32.49	1.995 Advise and Monitor			
6,000.0	5,936.3	5,993.6	5,924.6	16.6	16.6	33.01	-32.0	-694.5	65.0	32.4	32.61	1.994 Advise and Monitor			
6,080.0	6,014.7	6,073.6	6,002.9	16.9	16.9	33.24	-34.4	-710.9	66.0	32.8	33.21	1.987 Advise and Monitor			
6,100.0	6,034.2	6,093.6	6,022.4	16.9	17.0	33.29	-35.0	-715.0	66.2	32.9	33.36	1.985 Advise and Monitor			
6,175.0	6,107.7	6,168.6	6,095.8	17.2	17.3	33.50	-37.2	-730.5	67.2	33.2	33.93	1.979 Advise and Monitor			
6,200.0	6,132.2	6,193.6	6,120.2	17.3	17.4	33.56	-37.9	-735.6	67.5	33.3	34.12	1.977 Advise and Monitor			
6,270.0	6,200.8	6,263.5	6,188.7	17.6	17.6	33.75	-40.0	-750.0	68.3	33.7	34.66	1.972 Advise and Monitor			
6,300.0	6,230.2	6,293.5	6,218.0	17.7	17.7	33.82	-40.9	-756.2	68.7	33.8	34.88	1.969 Advise and Monitor			
6,365.0	6,293.9	6,358.5	6,281.6	17.9	18.0	33.99	-42.8	-769.6	69.5	34.1	35.38	1.964 Advise and Monitor			
6,400.0	6,328.2	6,393.5	6,315.8	18.0	18.1	34.08	-43.8	-776.8	69.9	34.3	35.65	1.962 Advise and Monitor			
6,460.0	6,387.0	6,453.5	6,374.5	18.3	18.3	34.22	-45.6	-789.1	70.7	34.6	36.10	1.957 Advise and Monitor			
6,500.0	6,426.2	6,493.5	6,413.6	18.4	18.5	34.32	-46.7	-797.4	71.2	34.7	36.41	1.954 Advise and Monitor			
6,555.0	6,480.1	6,548.5	6,467.4	18.6	18.7	34.45	-48.4	-808.7	71.8	35.0	36.83	1.951 Advise and Monitor			
6,600.0	6,524.2	6,593.5	6,511.4	18.8	18.8	34.55	-49.7	-817.9	72.4	35.2	37.17	1.948 Advise and Monitor			
6,650.0	6,573.2	6,643.5	6,560.4	19.0	19.0	34.67	-51.1	-828.2	73.0	35.5	37.55	1.944 Advise and Monitor			
6,700.0	6,622.2	6,693.5	6,609.3	19.1	19.2	34.78	-52.6	-838.5	73.6	35.7	37.93	1.941 Advise and Monitor			
6,745.0	6,666.3	6,738.5	6,653.3	19.3	19.4	34.88	-53.9	-847.8	74.2	35.9	38.28	1.938 Advise and Monitor			
6,800.0	6,720.2	6,793.5	6,707.1	19.5	19.6	35.00	-55.5	-859.1	74.9	36.2	38.70	1.934 Advise and Monitor			
6,840.0	6,759.4	6,833.5	6,746.2	19.7	19.7	35.09	-56.7	-867.3	75.4	36.3	39.00	1.932 Advise and Monitor			
6,900.0	6,818.2	6,893.5	6,804.9	19.9	19.9	35.21	-58.5	-879.7	76.1	36.6	39.46	1.928 Advise and Monitor			
6,935.0	6,852.5	6,928.5	6,839.1	20.0	20.1	35.29	-59.5	-886.9	76.5	36.8	39.73	1.926 Advise and Monitor			
7,000.0	6,916.2	6,993.5	6,902.7	20.2	20.3	35.42	-61.4	-900.3	77.3	37.1	40.22	1.922 Advise and Monitor			
7,030.0	6,945.6	7,023.5	6,932.0	20.4	20.4	35.48	-62.3	-906.4	77.7	37.2	40.45	1.921 Advise and Monitor			

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation		Warning		
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.0	7,014.2	7,093.5	7,000.5	20.6	20.7	35.62	-64.4	-920.8	78.6	37.6	40.99	1.917	Advise and Monitor	
7,125.0	7,038.7	7,118.5	7,024.9	20.7	20.8	35.67	-65.1	-926.0	78.9	37.7	41.18	1.915	Advise and Monitor	
7,200.0	7,112.2	7,193.5	7,098.3	21.0	21.1	35.81	-67.3	-941.4	79.8	38.0	41.75	1.911	Advise and Monitor	
7,220.0	7,131.8	7,213.5	7,117.9	21.1	21.1	35.85	-67.9	-945.5	80.1	38.1	41.91	1.910	Advise and Monitor	
7,300.0	7,210.2	7,293.5	7,196.1	21.4	21.4	36.00	-70.2	-962.0	81.0	38.5	42.52	1.906	Advise and Monitor	
7,315.0	7,224.9	7,308.5	7,210.8	21.4	21.5	36.03	-70.7	-965.1	81.2	38.6	42.64	1.905	Advise and Monitor	
7,400.0	7,308.1	7,393.5	7,293.9	21.7	21.8	36.18	-73.2	-982.6	82.3	39.0	43.29	1.901	Advise and Monitor	
7,410.0	7,317.9	7,403.5	7,303.7	21.8	21.9	36.20	-73.5	-984.6	82.4	39.0	43.36	1.900	Advise and Monitor	
7,500.0	7,406.1	7,493.4	7,391.7	22.1	22.2	36.35	-76.1	-1,003.2	83.5	39.5	44.05	1.896	Advise and Monitor	
7,505.0	7,411.0	7,498.4	7,396.6	22.1	22.2	36.36	-76.3	-1,004.2	83.6	39.5	44.09	1.896	Advise and Monitor	
7,600.0	7,504.1	7,593.4	7,489.5	22.5	22.6	36.53	-79.1	-1,023.7	84.8	39.9	44.82	1.891	Advise and Monitor	
7,648.7	7,551.8	7,642.1	7,537.1	22.7	22.7	36.61	-80.5	-1,033.8	85.4	40.2	45.19	1.889	Advise and Monitor, SF	
7,695.0	7,597.3	7,688.4	7,582.4	22.8	22.9	36.55	-81.8	-1,043.3	86.2	40.7	45.53	1.894	Advise and Monitor	
7,700.0	7,602.2	7,693.4	7,587.3	22.8	22.9	36.52	-82.0	-1,044.3	86.4	40.8	45.57	1.895	Advise and Monitor	
7,790.0	7,691.0	7,783.3	7,675.3	23.2	23.3	35.56	-84.6	-1,062.8	89.9	43.7	46.26	1.944	Advise and Monitor	
7,800.0	7,700.8	7,793.3	7,685.0	23.2	23.3	35.39	-84.9	-1,064.9	90.5	44.1	46.34	1.953	Advise and Monitor	
7,885.0	7,785.1	7,878.1	7,767.9	23.6	23.6	33.62	-87.4	-1,082.3	96.3	49.3	46.99	2.048		
7,900.0	7,800.0	7,893.0	7,782.5	23.6	23.7	33.24	-87.9	-1,085.4	97.5	50.4	47.11	2.070		
7,980.0	7,879.6	7,972.5	7,860.3	23.9	24.0	31.05	-90.2	-1,101.8	105.4	57.7	47.70	2.209		
8,000.0	7,899.5	7,992.3	7,879.7	24.0	24.1	30.46	-90.8	-1,105.8	107.7	59.8	47.84	2.250		
8,075.0	7,974.4	8,066.6	7,952.3	24.3	24.3	28.18	-93.0	-1,121.1	117.4	69.0	48.38	2.427		
8,100.0	7,999.3	8,091.2	7,976.4	24.4	24.4	27.42	-93.7	-1,126.2	121.1	72.5	48.56	2.494		
8,170.0	8,069.3	8,160.1	8,043.8	24.7	24.7	25.30	-95.7	-1,140.4	132.5	83.5	49.04	2.703		
8,200.0	8,099.3	8,189.5	8,072.6	24.8	24.8	24.42	-96.6	-1,146.4	138.0	88.7	49.25	2.801		
8,223.7	8,123.0	8,212.7	8,095.3	24.9	24.9	-76.98	-97.3	-1,151.2	142.5	93.1	49.39	2.885		
8,265.0	8,164.3	8,253.1	8,134.8	25.0	25.1	-78.15	-98.4	-1,159.5	150.5	100.9	49.62	3.034		
8,300.0	8,199.3	8,287.4	8,168.3	25.1	25.2	-79.05	-99.4	-1,166.6	157.4	107.6	49.83	3.159		
8,360.0	8,259.3	8,346.1	8,225.7	25.3	25.4	-80.43	-101.2	-1,178.6	169.3	119.1	50.18	3.374		
8,400.0	8,299.3	8,385.2	8,264.0	25.4	25.6	-81.25	-102.3	-1,186.7	177.2	126.8	50.42	3.515		
8,455.0	8,354.3	8,439.0	8,316.6	25.6	25.8	-82.26	-103.9	-1,197.8	188.2	137.5	50.75	3.709		
8,500.0	8,399.3	8,483.0	8,359.7	25.7	25.9	-83.00	-105.2	-1,206.8	197.3	146.2	51.03	3.866		
8,550.0	8,449.3	8,531.9	8,407.5	25.9	26.1	-83.75	-106.6	-1,216.9	207.3	156.0	51.34	4.038		
8,600.0	8,499.3	8,580.8	8,455.3	26.0	26.3	-84.43	-108.1	-1,227.0	217.4	165.8	51.65	4.210		
8,645.0	8,544.3	8,624.8	8,498.4	26.1	26.5	-84.99	-109.4	-1,236.0	226.5	174.6	51.93	4.362		
8,700.0	8,599.3	8,678.6	8,551.0	26.3	26.7	-85.61	-110.9	-1,247.1	237.7	185.4	52.28	4.546		
8,740.0	8,639.3	8,717.8	8,589.3	26.4	26.8	-86.03	-112.1	-1,255.1	245.8	193.3	52.54	4.679		
8,800.0	8,699.3	8,776.5	8,646.7	26.6	27.0	-86.61	-113.8	-1,267.2	258.0	205.1	52.93	4.876		
8,835.0	8,734.3	8,810.7	8,680.2	26.7	27.2	-86.93	-114.8	-1,274.3	265.2	212.0	53.15	4.989		
8,900.0	8,799.3	8,874.3	8,742.4	26.9	27.4	-87.46	-116.7	-1,287.4	278.5	224.9	53.58	5.197		
8,930.0	8,829.3	8,903.6	8,771.1	27.0	27.5	-87.70	-117.6	-1,293.4	284.6	230.8	53.77	5.293		
9,000.0	8,899.3	8,972.1	8,838.0	27.2	27.8	-88.20	-119.6	-1,307.5	298.9	244.7	54.23	5.512		
9,025.0	8,924.3	8,996.5	8,862.0	27.3	27.9	-88.37	-120.3	-1,312.5	304.1	249.7	54.40	5.589		
9,100.0	8,999.3	9,069.9	8,933.7	27.5	28.2	-88.84	-122.4	-1,327.6	319.5	264.6	54.90	5.819		
9,120.0	9,019.3	9,089.5	8,952.9	27.6	28.2	-88.96	-123.0	-1,331.6	323.6	268.5	55.03	5.880		
9,200.0	9,099.3	9,175.9	9,037.5	27.8	28.6	-89.43	-125.4	-1,348.6	339.3	283.6	55.63	6.099		
9,215.0	9,114.3	9,192.6	9,054.0	27.9	28.6	-89.51	-125.9	-1,351.6	341.9	286.2	55.74	6.134		
9,300.0	9,199.3	9,287.9	9,148.1	28.2	29.0	-89.89	-128.0	-1,366.9	355.6	299.2	56.41	6.303		
9,310.0	9,209.3	9,299.2	9,159.2	28.2	29.1	-89.92	-128.3	-1,368.5	357.0	300.5	56.49	6.320		
9,400.0	9,299.3	9,401.3	9,260.6	28.5	29.5	-90.21	-130.1	-1,381.0	368.0	310.9	57.16	6.439		
9,405.0	9,304.3	9,407.0	9,266.2	28.5	29.5	-90.22	-130.2	-1,381.6	368.6	311.4	57.19	6.444		
9,500.0	9,399.3	9,515.7	9,374.5	28.8	29.9	-90.41	-131.5	-1,390.8	376.6	318.8	57.84	6.511		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	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)		
9,595.0	9,494.3	9,624.9	9,483.6	29.1	30.3	-90.52	-132.2	-1,396.0	381.1	322.7	58.41	6.524
9,600.0	9,499.3	9,630.7	9,489.3	29.1	30.3	-90.52	-132.2	-1,396.1	381.2	322.8	58.44	6.524
9,690.0	9,589.3	9,730.7	9,589.3	29.4	30.7	-90.54	-132.4	-1,397.1	382.1	323.2	58.89	6.488
9,700.0	9,599.3	9,740.7	9,599.3	29.4	30.7	-90.54	-132.4	-1,397.1	382.1	323.1	58.96	6.481
9,785.0	9,684.3	9,825.7	9,684.3	29.7	31.0	-90.54	-132.4	-1,397.1	382.1	322.6	59.49	6.422
9,800.0	9,699.3	9,840.7	9,699.3	29.7	31.0	-90.54	-132.4	-1,397.1	382.1	322.5	59.59	6.412
9,880.0	9,779.3	9,920.7	9,779.3	30.0	31.3	-90.54	-132.4	-1,397.1	382.1	322.0	60.09	6.358
9,900.0	9,799.3	9,940.7	9,799.3	30.0	31.3	-90.54	-132.4	-1,397.1	382.1	321.9	60.22	6.345
9,975.0	9,874.3	10,015.7	9,874.3	30.3	31.6	-90.54	-132.4	-1,397.1	382.1	321.4	60.69	6.295
10,000.0	9,899.3	10,040.7	9,899.3	30.4	31.6	-90.54	-132.4	-1,397.1	382.1	321.2	60.85	6.279
10,070.0	9,969.3	10,110.7	9,969.3	30.6	31.8	-90.54	-132.4	-1,397.1	382.1	320.8	61.30	6.233
10,100.0	9,999.3	10,140.7	9,999.3	30.7	31.9	-90.54	-132.4	-1,397.1	382.1	320.6	61.49	6.214
10,153.2	10,052.5	10,193.9	10,052.5	30.8	32.1	-90.54	-132.4	-1,397.1	382.1	320.3	61.74	6.189
10,165.0	10,064.3	10,205.7	10,064.3	30.8	32.1	92.93	-132.4	-1,397.1	382.1	320.3	61.78	6.185
10,175.0	10,074.3	10,215.6	10,074.3	30.8	32.2	92.98	-132.4	-1,397.1	382.1	320.3	61.81	6.182
10,200.0	10,099.2	10,240.6	10,099.2	30.8	32.2	93.24	-132.4	-1,397.1	382.2	320.3	61.90	6.175
10,225.0	10,124.0	10,265.4	10,124.0	30.8	32.3	93.67	-132.4	-1,397.1	382.4	320.4	61.99	6.168
10,250.0	10,148.6	10,290.0	10,148.6	30.8	32.4	94.28	-132.4	-1,397.1	382.7	320.6	62.10	6.163
10,260.0	10,158.4	10,299.8	10,158.4	30.8	32.4	94.57	-132.4	-1,397.1	382.9	320.7	62.14	6.161
10,275.0	10,173.0	10,314.3	10,173.0	30.8	32.5	95.05	-132.4	-1,397.1	383.2	321.0	62.21	6.160
10,300.0	10,197.0	10,338.4	10,197.0	30.8	32.5	95.96	-132.4	-1,397.1	383.9	321.5	62.32	6.160
10,325.0	10,220.6	10,362.0	10,220.6	30.8	32.6	96.99	-132.4	-1,397.1	384.8	322.4	62.44	6.163
10,350.0	10,243.8	10,387.0	10,245.6	30.8	32.6	98.15	-132.9	-1,397.1	386.1	323.6	62.48	6.180
10,355.0	10,248.3	10,392.1	10,250.7	30.9	32.6	98.38	-133.2	-1,397.1	386.4	323.9	62.48	6.184
10,375.0	10,266.4	10,412.7	10,271.2	30.9	32.6	99.30	-134.8	-1,397.1	387.7	325.2	62.48	6.205
10,400.0	10,288.5	10,438.9	10,297.2	30.9	32.7	100.43	-138.2	-1,397.1	389.5	327.0	62.45	6.236
10,425.0	10,309.9	10,465.7	10,323.5	30.9	32.7	101.54	-143.2	-1,397.0	391.5	329.1	62.41	6.273
10,450.0	10,330.6	10,493.1	10,350.2	30.9	32.7	102.62	-149.7	-1,397.0	393.8	331.4	62.33	6.317
10,475.0	10,350.5	10,521.1	10,377.0	30.9	32.7	103.68	-158.0	-1,396.9	396.2	334.0	62.23	6.367
10,500.0	10,369.6	10,549.9	10,403.9	31.0	32.7	104.70	-168.1	-1,396.9	398.9	336.8	62.10	6.423
10,525.0	10,387.9	10,579.3	10,430.7	31.0	32.7	105.69	-180.1	-1,396.8	401.7	339.7	61.93	6.486
10,545.0	10,401.8	10,603.4	10,452.1	31.0	32.7	106.44	-191.2	-1,396.7	404.0	342.2	61.77	6.541
10,550.0	10,405.2	10,609.5	10,457.4	31.0	32.7	106.63	-194.1	-1,396.7	404.6	342.9	61.73	6.555
10,575.0	10,421.6	10,640.4	10,483.8	31.0	32.8	107.53	-210.2	-1,396.6	407.7	346.2	61.49	6.630
10,600.0	10,436.9	10,672.1	10,509.8	31.0	32.8	108.38	-228.4	-1,396.5	410.8	349.5	61.22	6.710
10,625.0	10,451.2	10,704.5	10,535.0	31.1	32.8	109.17	-248.8	-1,396.3	413.9	353.0	60.91	6.795
10,640.0	10,459.3	10,724.4	10,549.7	31.1	32.8	109.61	-262.1	-1,396.3	415.8	355.1	60.72	6.848
10,650.0	10,464.4	10,737.8	10,559.4	31.1	32.9	109.90	-271.4	-1,396.2	417.1	356.5	60.58	6.884
10,675.0	10,476.5	10,771.8	10,582.6	31.1	32.9	110.56	-296.3	-1,396.0	420.2	360.0	60.23	6.977
10,700.0	10,487.4	10,806.6	10,604.5	31.1	32.9	111.16	-323.3	-1,395.9	423.2	363.4	59.86	7.071
10,725.0	10,497.1	10,842.1	10,624.7	31.2	33.0	111.67	-352.5	-1,395.7	426.2	366.7	59.49	7.164
10,735.0	10,500.7	10,856.5	10,632.3	31.2	33.0	111.86	-364.7	-1,395.6	427.3	368.0	59.34	7.201
10,750.0	10,505.6	10,878.3	10,643.1	31.2	33.0	112.11	-383.7	-1,395.5	429.0	369.9	59.13	7.256
10,775.0	10,512.9	10,915.2	10,659.2	31.2	33.0	112.45	-416.8	-1,395.3	431.7	372.9	58.79	7.343
10,800.0	10,518.9	10,952.6	10,673.0	31.2	33.1	112.70	-451.6	-1,395.0	434.1	375.6	58.48	7.423
10,825.0	10,523.6	10,990.5	10,684.1	31.3	33.1	112.85	-487.8	-1,394.8	436.4	378.1	58.22	7.495
10,830.0	10,524.4	10,998.1	10,686.0	31.3	33.1	112.87	-495.2	-1,394.7	436.8	378.6	58.18	7.507
10,850.0	10,527.0	11,028.8	10,692.4	31.3	33.2	112.90	-525.1	-1,394.5	438.4	380.3	58.03	7.554
10,875.0	10,529.2	11,067.3	10,697.7	31.3	33.2	112.85	-563.3	-1,394.3	440.1	382.2	57.90	7.601
10,900.0	10,530.0	11,106.1	10,699.9	31.3	33.2	112.69	-602.0	-1,394.1	441.6	383.7	57.85	7.632
10,903.2	10,530.0	11,111.1	10,700.0	31.3	33.2	112.67	-607.0	-1,394.0	441.7	383.9	57.85	7.635

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0													Offset Site Error: 3.0 usft	
Survey Program: Reference		0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS						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)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,925.0	10,530.0	11,133.8	10,700.0	31.4	33.3	112.60	-629.7	-1,393.9	442.7	384.8	57.92	7.644		
11,000.0	10,530.0	11,208.8	10,700.0	31.4	33.4	112.46	-704.7	-1,393.4	445.0	386.9	58.15	7.653		
11,020.0	10,530.0	11,228.8	10,700.0	31.5	33.4	112.44	-724.7	-1,393.3	445.3	387.1	58.21	7.650		
11,057.1	10,530.0	11,265.8	10,700.0	31.5	33.4	112.43	-761.8	-1,393.0	445.6	387.2	58.33	7.639		
11,100.0	10,530.0	11,308.8	10,700.0	31.6	33.5	112.43	-804.7	-1,392.7	445.6	387.1	58.45	7.622		
11,115.0	10,530.0	11,323.8	10,700.0	31.6	33.5	112.43	-819.7	-1,392.6	445.6	387.1	58.50	7.616		
11,200.0	10,530.0	11,408.8	10,700.0	31.7	33.6	112.43	-904.7	-1,392.1	445.6	386.8	58.78	7.580		
11,210.0	10,530.0	11,418.8	10,700.0	31.7	33.6	112.43	-914.7	-1,392.0	445.6	386.7	58.81	7.576		
11,300.0	10,530.0	11,508.8	10,700.0	31.9	33.8	112.43	-1,004.7	-1,391.4	445.6	386.4	59.14	7.534		
11,305.0	10,530.0	11,513.8	10,700.0	31.9	33.8	112.43	-1,009.7	-1,391.4	445.6	386.4	59.16	7.531		
11,400.0	10,530.0	11,608.8	10,700.0	32.1	34.0	112.43	-1,104.7	-1,390.8	445.6	386.0	59.54	7.483		
11,495.0	10,530.0	11,703.8	10,700.0	32.2	34.1	112.43	-1,199.7	-1,390.2	445.6	385.6	59.96	7.431		
11,500.0	10,530.0	11,708.8	10,700.0	32.3	34.1	112.43	-1,204.7	-1,390.1	445.6	385.6	59.98	7.429		
11,590.0	10,530.0	11,798.8	10,700.0	32.4	34.3	112.43	-1,294.7	-1,389.6	445.6	385.2	60.40	7.376		
11,600.0	10,530.0	11,808.8	10,700.0	32.5	34.3	112.43	-1,304.7	-1,389.5	445.6	385.1	60.45	7.370		
11,685.0	10,530.0	11,893.8	10,700.0	32.7	34.5	112.43	-1,389.7	-1,388.9	445.6	384.7	60.88	7.318		
11,700.0	10,530.0	11,908.8	10,700.0	32.7	34.6	112.43	-1,404.7	-1,388.8	445.6	384.6	60.96	7.309		
11,780.0	10,530.0	11,988.8	10,700.0	32.9	34.7	112.43	-1,484.7	-1,388.3	445.6	384.2	61.39	7.257		
11,800.0	10,530.0	12,008.8	10,700.0	32.9	34.8	112.43	-1,504.7	-1,388.2	445.6	384.1	61.50	7.245		
11,875.0	10,530.0	12,083.8	10,700.0	33.1	35.0	112.43	-1,579.7	-1,387.7	445.6	383.6	61.93	7.194		
11,900.0	10,530.0	12,108.8	10,700.0	33.2	35.0	112.43	-1,604.7	-1,387.5	445.6	383.5	62.08	7.177		
11,970.0	10,530.0	12,178.8	10,700.0	33.4	35.2	112.43	-1,674.7	-1,387.1	445.6	383.1	62.50	7.129		
12,000.0	10,530.0	12,208.8	10,700.0	33.5	35.3	112.43	-1,704.7	-1,386.9	445.6	382.9	62.69	7.108		
12,065.0	10,530.0	12,273.8	10,700.0	33.7	35.5	112.43	-1,769.7	-1,386.5	445.6	382.5	63.10	7.061		
12,100.0	10,530.0	12,308.8	10,700.0	33.8	35.6	112.43	-1,804.7	-1,386.2	445.6	382.2	63.33	7.036		
12,160.0	10,530.0	12,368.8	10,700.0	34.0	35.7	112.43	-1,864.7	-1,385.9	445.6	381.8	63.73	6.992		
12,200.0	10,530.0	12,408.8	10,700.0	34.1	35.9	112.43	-1,904.7	-1,385.6	445.6	381.6	64.00	6.962		
12,255.0	10,530.0	12,463.8	10,700.0	34.3	36.0	112.43	-1,959.7	-1,385.2	445.6	381.2	64.38	6.921		
12,300.0	10,530.0	12,508.8	10,700.0	34.4	36.2	112.43	-2,004.7	-1,384.9	445.6	380.9	64.70	6.887		
12,350.0	10,530.0	12,558.8	10,700.0	34.6	36.3	112.43	-2,054.7	-1,384.6	445.6	380.5	65.06	6.848		
12,400.0	10,530.0	12,608.8	10,700.0	34.8	36.5	112.43	-2,104.7	-1,384.3	445.6	380.1	65.43	6.810		
12,445.0	10,530.0	12,653.8	10,700.0	34.9	36.6	112.43	-2,149.7	-1,384.0	445.6	379.8	65.77	6.775		
12,500.0	10,530.0	12,708.8	10,700.0	35.1	36.8	112.43	-2,204.7	-1,383.6	445.6	379.4	66.18	6.733		
12,540.0	10,530.0	12,748.8	10,700.0	35.3	36.9	112.43	-2,244.7	-1,383.4	445.6	379.1	66.50	6.701		
12,600.0	10,530.0	12,808.8	10,700.0	35.5	37.2	112.43	-2,304.7	-1,383.0	445.6	378.6	66.97	6.654		
12,635.0	10,530.0	12,843.8	10,700.0	35.6	37.3	112.43	-2,339.7	-1,382.8	445.6	378.3	67.25	6.626		
12,700.0	10,530.0	12,908.8	10,700.0	35.9	37.5	112.43	-2,404.7	-1,382.3	445.6	377.8	67.77	6.574		
12,730.0	10,530.0	12,938.8	10,700.0	36.0	37.6	112.43	-2,434.7	-1,382.2	445.6	377.6	68.02	6.550		
12,800.0	10,530.0	13,008.8	10,700.0	36.3	37.9	112.43	-2,504.6	-1,381.7	445.6	377.0	68.61	6.495		
12,825.0	10,530.0	13,033.8	10,700.0	36.4	38.0	112.43	-2,529.6	-1,381.5	445.6	376.8	68.82	6.474		
12,900.0	10,530.0	13,108.8	10,700.0	36.7	38.3	112.43	-2,604.6	-1,381.0	445.6	376.1	69.47	6.414		
12,920.0	10,530.0	13,128.8	10,700.0	36.7	38.3	112.43	-2,624.6	-1,380.9	445.6	375.9	69.64	6.398		
13,000.0	10,530.0	13,208.8	10,700.0	37.1	38.7	112.43	-2,704.6	-1,380.4	445.6	375.2	70.35	6.334		
13,015.0	10,530.0	13,223.8	10,700.0	37.1	38.7	112.43	-2,719.6	-1,380.3	445.6	375.1	70.48	6.322		
13,100.0	10,530.0	13,308.8	10,700.0	37.5	39.1	112.43	-2,804.6	-1,379.7	445.6	374.3	71.25	6.254		
13,110.0	10,530.0	13,318.8	10,700.0	37.6	39.1	112.43	-2,814.6	-1,379.7	445.6	374.2	71.34	6.246		
13,200.0	10,530.0	13,408.8	10,700.0	38.0	39.5	112.43	-2,904.6	-1,379.1	445.6	373.4	72.17	6.174		
13,205.0	10,530.0	13,413.8	10,700.0	38.0	39.5	112.43	-2,909.6	-1,379.1	445.6	373.4	72.22	6.170		
13,300.0	10,530.0	13,508.8	10,700.0	38.4	39.9	112.43	-3,004.6	-1,378.5	445.6	372.5	73.12	6.094		
13,395.0	10,530.0	13,603.8	10,700.0	38.8	40.3	112.43	-3,099.6	-1,377.8	445.6	371.6	74.04	6.019		
13,400.0	10,530.0	13,608.8	10,700.0	38.9	40.4	112.43	-3,104.6	-1,377.8	445.6	371.5	74.08	6.015		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0													Offset Site Error: 3.0 usft	
Survey Program: Reference		0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS						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)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
13,490.0	10,530.0	13,698.8	10,700.0	39.3	40.8	112.43	-3,194.6	-1,377.2	445.6	370.6	74.97	5.944		
13,500.0	10,530.0	13,708.8	10,700.0	39.3	40.8	112.43	-3,204.6	-1,377.2	445.6	370.5	75.07	5.936		
13,585.0	10,530.0	13,793.8	10,700.0	39.7	41.2	112.43	-3,289.6	-1,376.6	445.6	369.7	75.92	5.869		
13,600.0	10,530.0	13,808.8	10,700.0	39.8	41.3	112.43	-3,304.6	-1,376.5	445.6	369.5	76.07	5.858		
13,680.0	10,530.0	13,888.8	10,700.0	40.2	41.6	112.43	-3,384.6	-1,376.0	445.6	368.7	76.89	5.796		
13,700.0	10,530.0	13,908.8	10,700.0	40.3	41.7	112.43	-3,404.6	-1,375.9	445.6	368.5	77.09	5.780		
13,775.0	10,530.0	13,983.8	10,700.0	40.7	42.1	112.43	-3,479.6	-1,375.4	445.6	367.7	77.87	5.722		
13,800.0	10,530.0	14,008.8	10,700.0	40.8	42.2	112.43	-3,504.6	-1,375.2	445.6	367.5	78.13	5.703		
13,870.0	10,530.0	14,078.8	10,700.0	41.1	42.5	112.43	-3,574.6	-1,374.7	445.6	366.7	78.86	5.650		
13,900.0	10,530.0	14,108.8	10,700.0	41.3	42.7	112.43	-3,604.6	-1,374.6	445.6	366.4	79.18	5.628		
13,965.0	10,530.0	14,173.8	10,700.0	41.6	43.0	112.43	-3,669.6	-1,374.1	445.6	365.7	79.87	5.579		
14,000.0	10,530.0	14,208.8	10,700.0	41.8	43.2	112.43	-3,704.6	-1,373.9	445.6	365.3	80.25	5.553		
14,060.0	10,530.0	14,268.8	10,700.0	42.1	43.5	112.43	-3,764.6	-1,373.5	445.6	364.7	80.90	5.508		
14,100.0	10,530.0	14,308.8	10,700.0	42.3	43.7	112.43	-3,804.6	-1,373.3	445.6	364.3	81.33	5.479		
14,155.0	10,530.0	14,363.8	10,700.0	42.6	44.0	112.43	-3,859.6	-1,372.9	445.6	363.7	81.94	5.438		
14,200.0	10,530.0	14,408.8	10,700.0	42.9	44.2	112.43	-3,904.6	-1,372.6	445.6	363.2	82.43	5.406		
14,250.0	10,530.0	14,458.8	10,700.0	43.1	44.5	112.43	-3,954.6	-1,372.3	445.6	362.6	82.99	5.370		
14,300.0	10,530.0	14,508.8	10,700.0	43.4	44.7	112.43	-4,004.6	-1,372.0	445.6	362.1	83.54	5.334		
14,345.0	10,530.0	14,553.8	10,700.0	43.6	45.0	112.43	-4,049.6	-1,371.7	445.6	361.6	84.05	5.302		
14,400.0	10,530.0	14,608.8	10,700.0	43.9	45.2	112.43	-4,104.6	-1,371.3	445.6	360.9	84.67	5.263		
14,440.0	10,530.0	14,648.8	10,700.0	44.2	45.5	112.43	-4,144.6	-1,371.0	445.6	360.5	85.12	5.235		
14,500.0	10,530.0	14,708.8	10,700.0	44.5	45.8	112.43	-4,204.6	-1,370.7	445.6	359.8	85.81	5.193		
14,535.0	10,530.0	14,743.8	10,700.0	44.7	46.0	112.43	-4,239.6	-1,370.4	445.6	359.4	86.21	5.169		
14,600.0	10,530.0	14,808.8	10,700.0	45.0	46.3	112.43	-4,304.6	-1,370.0	445.6	358.6	86.96	5.124		
14,630.0	10,530.0	14,838.8	10,700.0	45.2	46.5	112.43	-4,334.6	-1,369.8	445.6	358.3	87.31	5.104		
14,700.0	10,530.0	14,908.8	10,700.0	45.6	46.9	112.43	-4,404.6	-1,369.4	445.6	357.5	88.12	5.057		
14,725.0	10,530.0	14,933.8	10,700.0	45.7	47.0	112.43	-4,429.6	-1,369.2	445.6	357.2	88.41	5.040		
14,800.0	10,530.0	15,008.8	10,700.0	46.2	47.4	112.43	-4,504.6	-1,368.7	445.6	356.3	89.29	4.990		
14,820.0	10,530.0	15,028.8	10,700.0	46.3	47.5	112.43	-4,524.6	-1,368.6	445.6	356.1	89.53	4.977		
14,900.0	10,530.0	15,108.8	10,700.0	46.7	48.0	112.43	-4,604.6	-1,368.1	445.6	355.1	90.48	4.925		
14,915.0	10,530.0	15,123.8	10,700.0	46.8	48.0	112.43	-4,619.6	-1,368.0	445.6	355.0	90.66	4.915		
15,000.0	10,530.0	15,208.8	10,700.0	47.3	48.5	112.43	-4,704.6	-1,367.4	445.6	353.9	91.67	4.861		
15,010.0	10,530.0	15,218.8	10,700.0	47.4	48.6	112.43	-4,714.6	-1,367.3	445.6	353.8	91.79	4.855		
15,100.0	10,530.0	15,308.8	10,700.0	47.9	49.1	112.43	-4,804.6	-1,366.8	445.6	352.7	92.88	4.798		
15,105.0	10,530.0	15,313.8	10,700.0	47.9	49.1	112.43	-4,809.6	-1,366.7	445.6	352.7	92.94	4.795		
15,200.0	10,530.0	15,408.8	10,700.0	48.5	49.7	112.43	-4,904.6	-1,366.1	445.6	351.5	94.09	4.736		
15,295.0	10,530.0	15,503.8	10,700.0	49.1	50.2	112.43	-4,999.6	-1,365.5	445.6	350.4	95.25	4.678		
15,300.0	10,530.0	15,508.8	10,700.0	49.1	50.2	112.43	-5,004.6	-1,365.5	445.6	350.3	95.31	4.675		
15,390.0	10,530.0	15,598.8	10,700.0	49.6	50.8	112.43	-5,094.6	-1,364.9	445.6	349.2	96.42	4.621		
15,400.0	10,530.0	15,608.8	10,700.0	49.7	50.8	112.43	-5,104.6	-1,364.8	445.6	349.1	96.55	4.616		
15,485.0	10,530.0	15,693.8	10,700.0	50.2	51.3	112.43	-5,189.6	-1,364.3	445.6	348.0	97.60	4.566		
15,500.0	10,530.0	15,708.8	10,700.0	50.3	51.4	112.43	-5,204.6	-1,364.2	445.6	347.8	97.79	4.557		
15,580.0	10,530.0	15,788.8	10,700.0	50.8	51.9	112.43	-5,284.6	-1,363.6	445.6	346.8	98.79	4.511		
15,600.0	10,530.0	15,808.8	10,700.0	50.9	52.0	112.43	-5,304.6	-1,363.5	445.6	346.6	99.04	4.499		
15,675.0	10,530.0	15,883.8	10,700.0	51.4	52.5	112.43	-5,379.6	-1,363.0	445.6	345.6	99.98	4.457		
15,700.0	10,530.0	15,908.8	10,700.0	51.5	52.6	112.43	-5,404.6	-1,362.9	445.6	345.3	100.30	4.443		
15,770.0	10,530.0	15,978.8	10,700.0	51.9	53.0	112.43	-5,474.6	-1,362.4	445.6	344.4	101.18	4.404		
15,800.0	10,530.0	16,008.8	10,700.0	52.1	53.2	112.43	-5,504.6	-1,362.2	445.6	344.1	101.56	4.388		
15,865.0	10,530.0	16,073.8	10,700.0	52.5	53.6	112.43	-5,569.6	-1,361.8	445.6	343.2	102.39	4.352		
15,900.0	10,530.0	16,108.8	10,700.0	52.7	53.8	112.43	-5,604.6	-1,361.6	445.6	342.8	102.83	4.333		
15,960.0	10,530.0	16,168.8	10,700.0	53.1	54.2	112.43	-5,664.6	-1,361.2	445.6	342.0	103.60	4.301		

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	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)		
16,000.0	10,530.0	16,208.8	10,700.0	53.4	54.4	112.43	-5,704.6	-1,360.9	445.6	341.5	104.11	4.280
16,055.0	10,530.0	16,263.8	10,700.0	53.7	54.8	112.43	-5,759.6	-1,360.6	445.6	340.8	104.82	4.251
16,100.0	10,530.0	16,308.8	10,700.0	54.0	55.0	112.43	-5,804.6	-1,360.3	445.6	340.2	105.40	4.228
16,150.0	10,530.0	16,358.8	10,700.0	54.3	55.3	112.43	-5,854.6	-1,359.9	445.6	339.6	106.05	4.202
16,200.0	10,530.0	16,408.8	10,700.0	54.6	55.7	112.43	-5,904.6	-1,359.6	445.6	338.9	106.69	4.177
16,245.0	10,530.0	16,453.8	10,700.0	54.9	55.9	112.43	-5,949.6	-1,359.3	445.6	338.4	107.28	4.154
16,300.0	10,530.0	16,508.8	10,700.0	55.3	56.3	112.43	-6,004.6	-1,359.0	445.6	337.6	107.99	4.126
16,340.0	10,530.0	16,548.8	10,700.0	55.5	56.5	112.43	-6,044.6	-1,358.7	445.6	337.1	108.52	4.107
16,400.0	10,530.0	16,608.8	10,700.0	55.9	56.9	112.43	-6,104.6	-1,358.3	445.6	336.3	109.30	4.077
16,435.0	10,530.0	16,643.8	10,700.0	56.1	57.1	112.43	-6,139.6	-1,358.1	445.6	335.9	109.76	4.060
16,500.0	10,530.0	16,708.8	10,700.0	56.5	57.5	112.43	-6,204.6	-1,357.7	445.6	335.0	110.61	4.029
16,530.0	10,530.0	16,738.8	10,700.0	56.7	57.7	112.43	-6,234.6	-1,357.5	445.6	334.6	111.01	4.014
16,600.0	10,530.0	16,808.8	10,700.0	57.2	58.2	112.43	-6,304.6	-1,357.0	445.6	333.7	111.93	3.981
16,625.0	10,530.0	16,833.8	10,700.0	57.3	58.3	112.43	-6,329.6	-1,356.9	445.6	333.4	112.26	3.970
16,700.0	10,530.0	16,908.8	10,700.0	57.8	58.8	112.43	-6,404.6	-1,356.4	445.6	332.4	113.25	3.935
16,720.0	10,530.0	16,928.8	10,700.0	58.0	58.9	112.43	-6,424.6	-1,356.2	445.6	332.1	113.52	3.926
16,800.0	10,530.0	17,008.8	10,700.0	58.5	59.4	112.43	-6,504.6	-1,355.7	445.6	331.1	114.58	3.889
16,815.0	10,530.0	17,023.8	10,700.0	58.6	59.5	112.43	-6,519.6	-1,355.6	445.6	330.9	114.78	3.883
16,900.0	10,530.0	17,108.8	10,700.0	59.1	60.1	112.42	-6,604.6	-1,355.1	445.6	329.7	115.91	3.845
16,910.0	10,530.0	17,118.8	10,700.0	59.2	60.1	112.42	-6,614.6	-1,355.0	445.6	329.6	116.05	3.840
17,000.0	10,530.0	17,208.8	10,700.0	59.8	60.7	112.42	-6,704.6	-1,354.4	445.6	328.4	117.25	3.801
17,005.0	10,530.0	17,213.8	10,700.0	59.8	60.7	112.42	-6,709.6	-1,354.4	445.6	328.3	117.32	3.799
17,100.0	10,530.0	17,308.8	10,700.0	60.4	61.4	112.42	-6,804.6	-1,353.8	445.6	327.0	118.60	3.758
17,195.0	10,530.0	17,403.8	10,700.0	61.1	62.0	112.42	-6,899.6	-1,353.2	445.6	325.8	119.88	3.718
17,200.0	10,530.0	17,408.8	10,700.0	61.1	62.0	112.42	-6,904.6	-1,353.1	445.6	325.7	119.94	3.715
17,290.0	10,530.0	17,498.8	10,700.0	61.7	62.6	112.42	-6,994.6	-1,352.5	445.6	324.5	121.16	3.678
17,300.0	10,530.0	17,508.8	10,700.0	61.8	62.7	112.42	-7,004.6	-1,352.5	445.6	324.4	121.30	3.674
17,385.0	10,530.0	17,593.8	10,700.0	62.3	63.2	112.42	-7,089.6	-1,351.9	445.6	323.2	122.45	3.639
17,400.0	10,530.0	17,608.8	10,700.0	62.4	63.3	112.42	-7,104.6	-1,351.8	445.6	323.0	122.65	3.633
17,480.0	10,530.0	17,688.8	10,700.0	63.0	63.8	112.42	-7,184.5	-1,351.3	445.6	321.9	123.74	3.601
17,500.0	10,530.0	17,708.8	10,700.0	63.1	64.0	112.42	-7,204.5	-1,351.2	445.6	321.6	124.01	3.594
17,575.0	10,530.0	17,783.8	10,700.0	63.6	64.5	112.42	-7,279.5	-1,350.7	445.7	320.6	125.04	3.564
17,600.0	10,530.0	17,808.8	10,700.0	63.8	64.6	112.42	-7,304.5	-1,350.5	445.7	320.3	125.38	3.554
17,670.0	10,530.0	17,878.8	10,700.0	64.2	65.1	112.42	-7,374.5	-1,350.1	445.7	319.3	126.34	3.527
17,700.0	10,530.0	17,908.8	10,700.0	64.4	65.3	112.42	-7,404.5	-1,349.9	445.7	318.9	126.75	3.516
17,765.0	10,530.0	17,973.8	10,700.0	64.9	65.7	112.42	-7,469.5	-1,349.5	445.7	318.0	127.64	3.491
17,800.0	10,530.0	18,008.8	10,700.0	65.1	66.0	112.42	-7,504.5	-1,349.2	445.7	317.5	128.12	3.478
17,860.0	10,530.0	18,068.8	10,700.0	65.5	66.4	112.42	-7,564.5	-1,348.8	445.7	316.7	128.95	3.456
17,900.0	10,530.0	18,108.8	10,700.0	65.8	66.6	112.42	-7,604.5	-1,348.6	445.7	316.2	129.50	3.441
17,955.0	10,530.0	18,163.8	10,700.0	66.2	67.0	112.42	-7,659.5	-1,348.2	445.7	315.4	130.26	3.421
18,000.0	10,530.0	18,208.8	10,700.0	66.5	67.3	112.42	-7,704.5	-1,347.9	445.7	314.8	130.88	3.405
18,050.0	10,530.0	18,258.8	10,700.0	66.8	67.6	112.42	-7,754.5	-1,347.6	445.7	314.1	131.57	3.387
18,100.0	10,530.0	18,308.8	10,700.0	67.1	68.0	112.42	-7,804.5	-1,347.3	445.7	313.4	132.26	3.370
18,145.0	10,530.0	18,353.8	10,700.0	67.4	68.3	112.42	-7,849.5	-1,347.0	445.7	312.8	132.89	3.354
18,200.0	10,530.0	18,408.8	10,700.0	67.8	68.6	112.42	-7,904.5	-1,346.6	445.7	312.0	133.65	3.335
18,240.0	10,530.0	18,448.8	10,700.0	68.1	68.9	112.42	-7,944.5	-1,346.4	445.7	311.5	134.20	3.321
18,300.0	10,530.0	18,508.8	10,700.0	68.5	69.3	112.42	-8,004.5	-1,346.0	445.7	310.6	135.04	3.300
18,335.0	10,530.0	18,543.8	10,700.0	68.7	69.5	112.42	-8,039.5	-1,345.8	445.7	310.1	135.53	3.288
18,400.0	10,530.0	18,608.8	10,700.0	69.2	70.0	112.42	-8,104.5	-1,345.3	445.7	309.2	136.43	3.267
18,430.0	10,530.0	18,638.8	10,700.0	69.4	70.2	112.42	-8,134.5	-1,345.1	445.7	308.8	136.85	3.257
18,500.0	10,530.0	18,708.8	10,700.0	69.9	70.7	112.42	-8,204.5	-1,344.7	445.7	307.8	137.83	3.233

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CABO WABO FEDERAL PROJECT (ATLAS 2529) - CABO WABO FEDERAL COM #803Y - OWB - PWP0												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 10364-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation Factor		Warning	
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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,525.0	10,530.0	18,733.8	10,700.0	70.0	70.8	112.42	-8,229.5	-1,344.5	445.7	307.5	138.18	3.225	
18,600.0	10,530.0	18,808.8	10,700.0	70.6	71.3	112.42	-8,304.5	-1,344.0	445.7	306.4	139.23	3.201	
18,620.0	10,530.0	18,828.8	10,700.0	70.7	71.5	112.42	-8,324.5	-1,343.9	445.7	306.2	139.51	3.195	
18,700.0	10,530.0	18,908.8	10,700.0	71.3	72.0	112.42	-8,404.5	-1,343.4	445.7	305.0	140.63	3.169	
18,715.0	10,530.0	18,923.8	10,700.0	71.4	72.1	112.42	-8,419.5	-1,343.3	445.7	304.8	140.84	3.164	
18,800.0	10,530.0	19,008.8	10,700.0	71.9	72.7	112.42	-8,504.5	-1,342.7	445.7	303.6	142.04	3.138	
18,810.0	10,530.0	19,018.8	10,700.0	72.0	72.8	112.42	-8,514.5	-1,342.7	445.7	303.5	142.18	3.135	
18,900.0	10,530.0	19,108.8	10,700.0	72.6	73.4	112.42	-8,604.5	-1,342.1	445.7	302.2	143.44	3.107	
18,905.0	10,530.0	19,113.8	10,700.0	72.7	73.4	112.42	-8,609.5	-1,342.1	445.7	302.2	143.51	3.105	
19,000.0	10,530.0	19,208.8	10,700.0	73.3	74.1	112.42	-8,704.5	-1,341.4	445.7	300.8	144.85	3.077	
19,095.0	10,530.0	19,303.8	10,700.0	74.0	74.7	112.42	-8,799.5	-1,340.8	445.7	299.5	146.20	3.048	
19,100.0	10,530.0	19,308.8	10,700.0	74.0	74.8	112.42	-8,804.5	-1,340.8	445.7	299.4	146.27	3.047	
19,190.0	10,530.0	19,398.8	10,700.0	74.7	75.4	112.42	-8,894.5	-1,340.2	445.7	298.1	147.54	3.021	
19,200.0	10,530.0	19,408.8	10,700.0	74.7	75.5	112.42	-8,904.5	-1,340.1	445.7	298.0	147.68	3.018	
19,285.0	10,530.0	19,493.8	10,700.0	75.3	76.0	112.42	-8,989.5	-1,339.6	445.7	296.8	148.89	2.993	
19,300.0	10,530.0	19,508.8	10,700.0	75.4	76.1	112.42	-9,004.5	-1,339.5	445.7	296.6	149.10	2.989	
19,380.0	10,530.0	19,588.8	10,700.0	76.0	76.7	112.42	-9,084.5	-1,339.0	445.7	295.4	150.24	2.967	
19,400.0	10,530.0	19,608.8	10,700.0	76.1	76.8	112.42	-9,104.5	-1,338.8	445.7	295.2	150.52	2.961	
19,475.0	10,530.0	19,683.8	10,700.0	76.6	77.4	112.42	-9,179.5	-1,338.4	445.7	294.1	151.59	2.940	
19,500.0	10,530.0	19,708.8	10,700.0	76.8	77.5	112.42	-9,204.5	-1,338.2	445.7	293.7	151.94	2.933	
19,570.0	10,530.0	19,778.8	10,700.0	77.3	78.0	112.42	-9,274.5	-1,337.7	445.7	292.7	152.94	2.914	
19,600.0	10,530.0	19,808.8	10,700.0	77.5	78.2	112.42	-9,304.5	-1,337.5	445.7	292.3	153.37	2.906	
19,665.0	10,530.0	19,873.8	10,700.0	78.0	78.7	112.42	-9,369.5	-1,337.1	445.7	291.4	154.29	2.889	
19,700.0	10,530.0	19,908.8	10,700.0	78.2	78.9	112.42	-9,404.5	-1,336.9	445.7	290.9	154.79	2.879	
19,760.0	10,530.0	19,968.8	10,700.0	78.6	79.3	112.42	-9,464.5	-1,336.5	445.7	290.0	155.65	2.863	
19,800.0	10,530.0	20,008.8	10,700.0	78.9	79.6	112.42	-9,504.5	-1,336.2	445.7	289.5	156.22	2.853	
19,855.0	10,530.0	20,063.8	10,700.0	79.3	80.0	112.42	-9,559.5	-1,335.9	445.7	288.7	157.01	2.839	
19,900.0	10,530.0	20,108.8	10,700.0	79.6	80.3	112.42	-9,604.5	-1,335.6	445.7	288.0	157.65	2.827	
19,950.0	10,530.0	20,158.8	10,700.0	80.0	80.7	112.42	-9,654.5	-1,335.3	445.7	287.3	158.37	2.814	
20,000.0	10,530.0	20,208.8	10,700.0	80.3	81.0	112.42	-9,704.5	-1,334.9	445.7	286.6	159.09	2.802	
20,045.0	10,530.0	20,253.8	10,700.0	80.7	81.3	112.42	-9,749.5	-1,334.7	445.7	286.0	159.73	2.790	
20,100.0	10,530.0	20,308.8	10,700.0	81.0	81.7	112.42	-9,804.5	-1,334.3	445.7	285.2	160.52	2.777	
20,140.0	10,530.0	20,348.8	10,700.0	81.3	82.0	112.42	-9,844.5	-1,334.0	445.7	284.6	161.09	2.767	
20,200.0	10,530.0	20,408.8	10,700.0	81.8	82.4	112.42	-9,904.5	-1,333.7	445.7	283.7	161.96	2.752	
20,235.0	10,530.0	20,443.8	10,700.0	82.0	82.7	112.42	-9,939.5	-1,333.4	445.7	283.2	162.46	2.743	
20,300.0	10,530.0	20,508.8	10,700.0	82.5	83.1	112.42	-10,004.5	-1,333.0	445.7	282.3	163.40	2.728	
20,330.0	10,530.0	20,538.8	10,700.0	82.7	83.3	112.42	-10,034.5	-1,332.8	445.7	281.9	163.83	2.721	
20,392.7	10,530.0	20,601.5	10,700.0	83.1	83.8	112.42	-10,097.2	-1,332.4	445.7	281.0	164.73	2.706	
20,400.0	10,530.0	20,608.8	10,700.0	83.2	83.8	112.42	-10,104.5	-1,332.4	445.7	280.9	164.84	2.704	
20,425.0	10,530.0	20,633.8	10,700.0	83.4	84.0	112.42	-10,129.5	-1,332.2	445.7	280.5	165.20	2.698	
20,500.0	10,530.0	20,708.8	10,700.0	83.9	84.5	112.42	-10,204.5	-1,331.7	445.7	279.4	166.28	2.680	
20,520.0	10,530.0	20,728.8	10,700.0	84.0	84.7	112.42	-10,224.5	-1,331.6	445.7	279.1	166.56	2.676	
20,520.0	10,530.0	20,728.8	10,700.0	84.0	84.7	112.42	-10,224.5	-1,331.6	445.7	279.1	166.56	2.676	
20,522.7	10,530.0	20,731.5	10,700.0	84.0	84.7	112.42	-10,227.2	-1,331.6	445.7	279.1	166.60	2.675	

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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB 32ft + GL 3148ft @ 3180.0usft

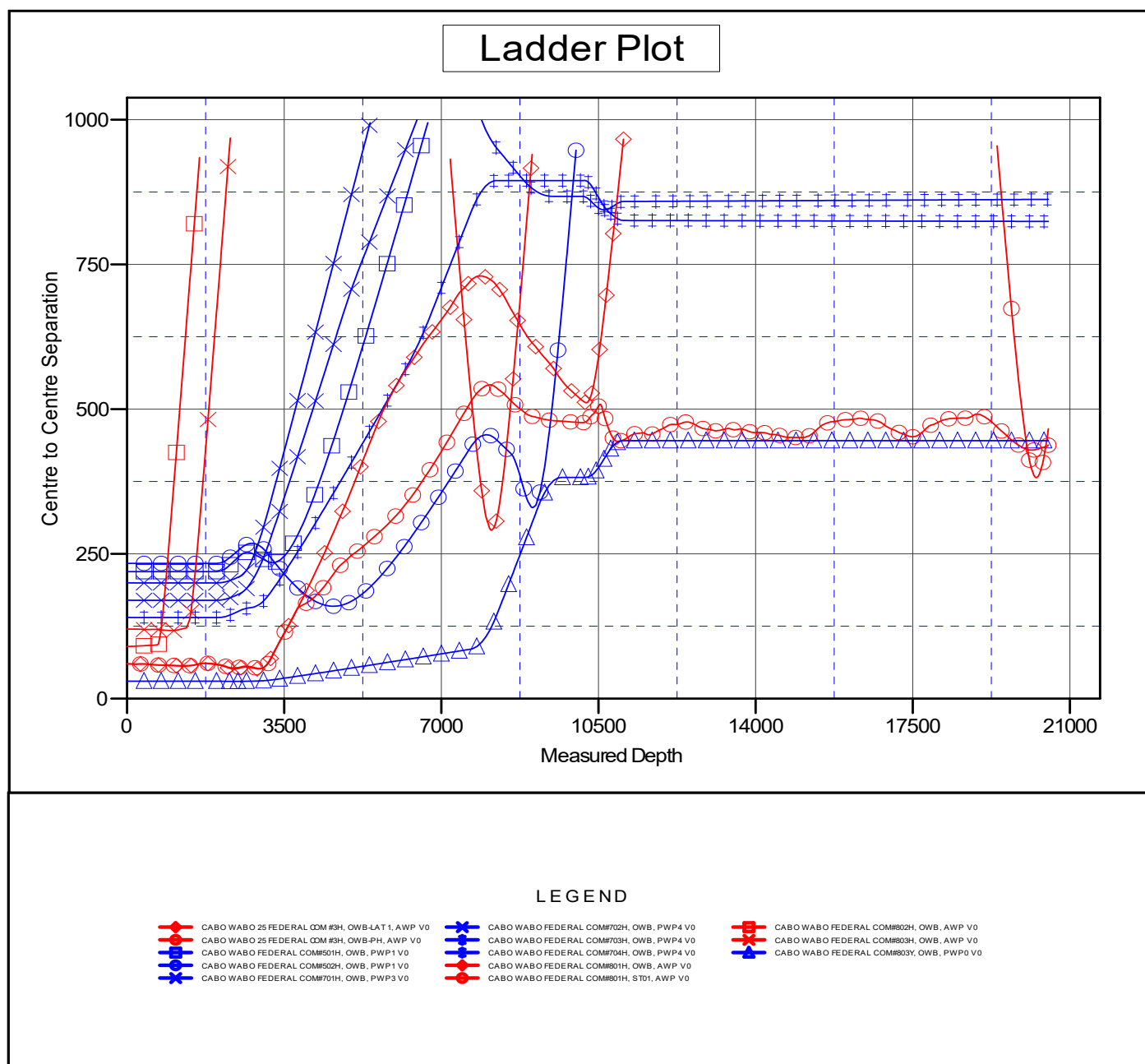
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: CABO WABO FEDERAL COM #802Y

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

Grid Convergence at Surface is: 0.21°



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 CABO WABO FEDERAL COM #802Y
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Reference Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB 32ft + GL 3148ft @ 3180.0usft

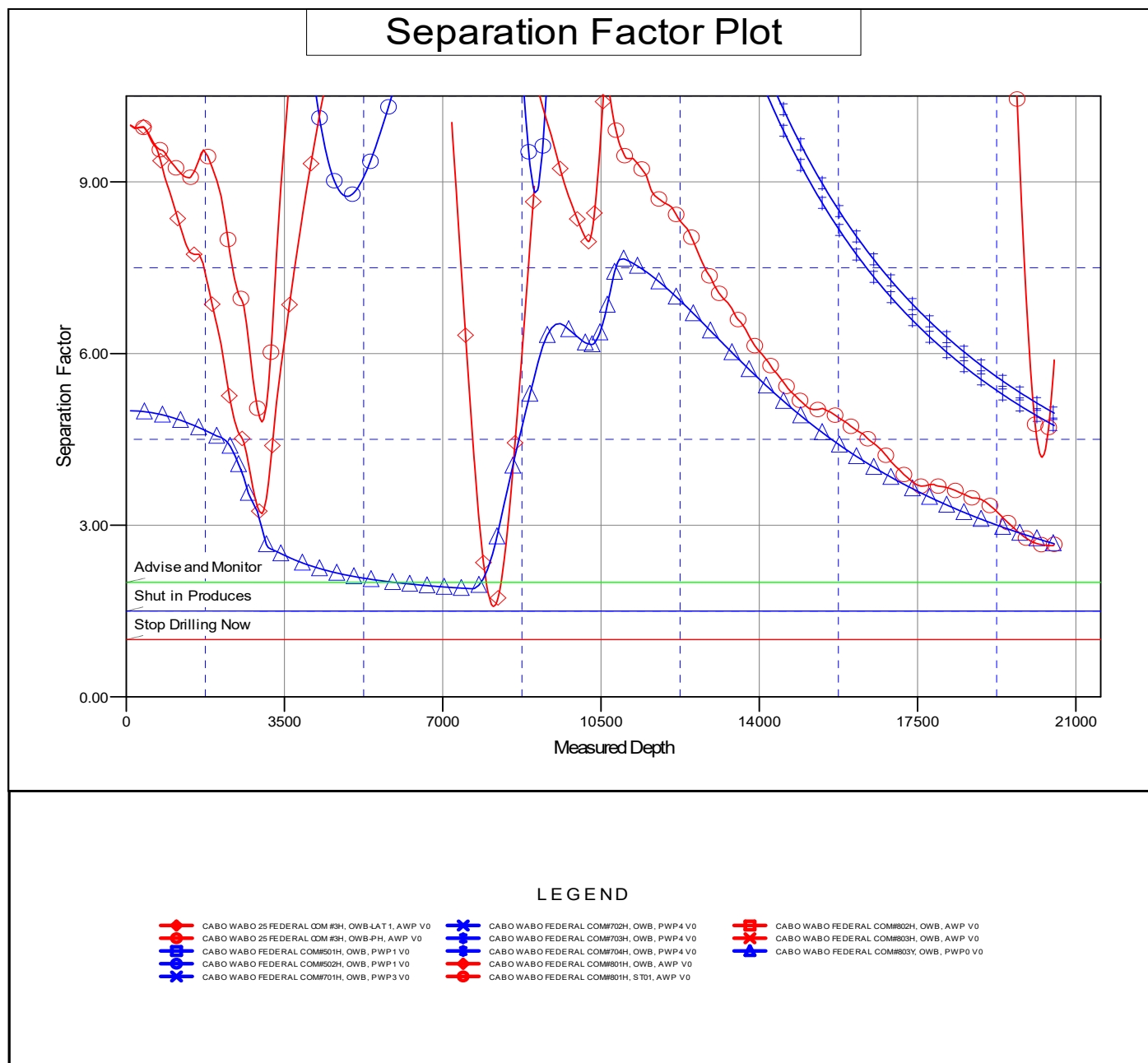
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: CABO WABO FEDERAL COM #802Y

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

Grid Convergence at Surface is: 0.21°



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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

CABO WABO FEDERAL PROJECT (ATLAS 2529)

CABO WABO FEDERAL COM #802H

OWB

Plan: PWP0

Standard Planning Report

05 July, 2022

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	ATLAS PROSPECT (NM-E)		
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	CABO WABO FEDERAL PROJECT (ATLAS 2529)		
Site Position:		Northing:	408,555.74 usft
From:	Map	Easting:	619,848.48 usft
Position Uncertainty:	3.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 21.520 N
		Longitude:	103° 56' 46.334 W
		Grid Convergence:	0.21 °

Well	CABO WABO FEDERAL COM #802Y					
Well Position	+N/-S	-181.1 usft	Northing:	408,374.66 usft	Latitude:	32° 7' 19.573 N
	+E/-W	4,277.0 usft	Easting:	624,125.49 usft	Longitude:	103° 55' 56.607 W
Position Uncertainty		3.0 usft	Wellhead Elevation:		Ground Level:	3,148.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	7/1/2022	6.62	59.74	47,503.09164681

Design	PWP0				
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	185.14

Plan Survey Tool Program		Date	7/5/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	2,000.0 PWP0 (OWB)	Standard Keeper 104		
			Standard Wireline Keeper ver 1		
2	2,000.0	10,153.2 PWP0 (OWB)	MWD+IFR1+MS		
			OWSG MWD + IFR1 + Multi-St		
3	10,153.2	20,522.7 PWP0 (OWB)	MWD+IFR1+MS		
			OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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	
2,250.0	5.00	345.00	2,249.7	10.5	-2.8	2.00	2.00	0.00	345.00	
2,535.0	5.00	345.00	2,533.6	34.5	-9.3	0.00	0.00	0.00	0.00	
3,144.0	11.50	259.29	3,137.6	48.9	-76.0	2.00	1.07	-14.08	-109.54	
7,648.7	11.50	259.29	7,551.8	-118.1	-958.5	0.00	0.00	0.00	0.00	
8,223.7	0.00	0.00	8,123.0	-128.7	-1,015.0	2.00	-2.00	0.00	180.00	
10,153.2	0.00	0.00	10,052.5	-128.7	-1,015.0	0.00	0.00	0.00	0.00	
10,903.2	90.00	176.55	10,530.0	-605.3	-986.3	12.00	12.00	0.00	176.55	
11,057.1	90.00	179.63	10,530.0	-759.1	-981.2	2.00	0.00	2.00	90.00	
20,392.7	90.00	179.63	10,530.0	-10,094.5	-920.4	0.00	0.00	0.00	0.00	
20,522.7	90.00	179.63	10,530.0	-10,224.5	-919.6	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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	
START NUDGE 2.00										
2,100.0	2.00	345.00	2,100.0	1.7	-0.5	-1.6	2.00	2.00	0.00	
2,200.0	4.00	345.00	2,199.8	6.7	-1.8	-6.6	2.00	2.00	0.00	
2,250.0	5.00	345.00	2,249.7	10.5	-2.8	-10.2	2.00	2.00	0.00	
START HOLD @ 2250.0 MD										
2,300.0	5.00	345.00	2,299.5	14.7	-3.9	-14.3	0.00	0.00	0.00	
2,400.0	5.00	345.00	2,399.1	23.2	-6.2	-22.5	0.00	0.00	0.00	
2,500.0	5.00	345.00	2,498.7	31.6	-8.5	-30.7	0.00	0.00	0.00	
2,535.0	5.00	345.00	2,533.6	34.5	-9.3	-33.6	0.00	0.00	0.00	
START DLS 2.00 TFO -109.54										
2,600.0	4.73	329.96	2,598.4	39.6	-11.3	-38.4	2.00	-0.42	-23.14	
2,700.0	4.98	306.35	2,698.0	45.7	-16.9	-44.0	2.00	0.26	-23.61	
2,800.0	5.94	287.76	2,797.6	49.9	-25.3	-47.4	2.00	0.96	-18.59	
2,900.0	7.33	275.22	2,896.9	52.0	-36.6	-48.5	2.00	1.39	-12.53	
3,000.0	8.95	266.93	2,995.9	52.2	-50.7	-47.4	2.00	1.62	-8.30	
3,100.0	10.71	261.24	3,094.4	50.4	-67.7	-44.1	2.00	1.75	-5.69	
3,144.0	11.50	259.29	3,137.6	48.9	-76.0	-41.9	2.00	1.81	-4.44	
START HOLD @ 3144.0 MD										
3,200.0	11.50	259.29	3,192.5	46.8	-87.0	-38.9	0.00	0.00	0.00	
3,300.0	11.50	259.29	3,290.5	43.1	-106.6	-33.4	0.00	0.00	0.00	
3,400.0	11.50	259.29	3,388.5	39.4	-126.2	-28.0	0.00	0.00	0.00	
3,500.0	11.50	259.29	3,486.5	35.7	-145.8	-22.5	0.00	0.00	0.00	
3,600.0	11.50	259.29	3,584.4	32.0	-165.4	-17.1	0.00	0.00	0.00	
3,700.0	11.50	259.29	3,682.4	28.3	-185.0	-11.6	0.00	0.00	0.00	
3,800.0	11.50	259.29	3,780.4	24.6	-204.5	-6.2	0.00	0.00	0.00	
3,900.0	11.50	259.29	3,878.4	20.9	-224.1	-0.7	0.00	0.00	0.00	
4,000.0	11.50	259.29	3,976.4	17.2	-243.7	4.7	0.00	0.00	0.00	
4,100.0	11.50	259.29	4,074.4	13.5	-263.3	10.2	0.00	0.00	0.00	
4,200.0	11.50	259.29	4,172.4	9.8	-282.9	15.6	0.00	0.00	0.00	
4,300.0	11.50	259.29	4,270.4	6.1	-302.5	21.0	0.00	0.00	0.00	
4,400.0	11.50	259.29	4,368.4	2.4	-322.1	26.5	0.00	0.00	0.00	
4,500.0	11.50	259.29	4,466.4	-1.3	-341.7	31.9	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
4,600.0	11.50	259.29	4,564.4	-5.0	-361.3	37.4	0.00	0.00	0.00
4,700.0	11.50	259.29	4,662.4	-8.8	-380.9	42.8	0.00	0.00	0.00
4,800.0	11.50	259.29	4,760.4	-12.5	-400.4	48.3	0.00	0.00	0.00
4,900.0	11.50	259.29	4,858.3	-16.2	-420.0	53.7	0.00	0.00	0.00
5,000.0	11.50	259.29	4,956.3	-19.9	-439.6	59.2	0.00	0.00	0.00
5,100.0	11.50	259.29	5,054.3	-23.6	-459.2	64.6	0.00	0.00	0.00
5,200.0	11.50	259.29	5,152.3	-27.3	-478.8	70.1	0.00	0.00	0.00
5,300.0	11.50	259.29	5,250.3	-31.0	-498.4	75.5	0.00	0.00	0.00
5,400.0	11.50	259.29	5,348.3	-34.7	-518.0	81.0	0.00	0.00	0.00
5,500.0	11.50	259.29	5,446.3	-38.4	-537.6	86.4	0.00	0.00	0.00
5,600.0	11.50	259.29	5,544.3	-42.1	-557.2	91.9	0.00	0.00	0.00
5,700.0	11.50	259.29	5,642.3	-45.8	-576.8	97.3	0.00	0.00	0.00
5,800.0	11.50	259.29	5,740.3	-49.5	-596.4	102.7	0.00	0.00	0.00
5,900.0	11.50	259.29	5,838.3	-53.2	-615.9	108.2	0.00	0.00	0.00
6,000.0	11.50	259.29	5,936.3	-56.9	-635.5	113.6	0.00	0.00	0.00
6,100.0	11.50	259.29	6,034.2	-60.7	-655.1	119.1	0.00	0.00	0.00
6,200.0	11.50	259.29	6,132.2	-64.4	-674.7	124.5	0.00	0.00	0.00
6,300.0	11.50	259.29	6,230.2	-68.1	-694.3	130.0	0.00	0.00	0.00
6,400.0	11.50	259.29	6,328.2	-71.8	-713.9	135.4	0.00	0.00	0.00
6,500.0	11.50	259.29	6,426.2	-75.5	-733.5	140.9	0.00	0.00	0.00
6,600.0	11.50	259.29	6,524.2	-79.2	-753.1	146.3	0.00	0.00	0.00
6,700.0	11.50	259.29	6,622.2	-82.9	-772.7	151.8	0.00	0.00	0.00
6,800.0	11.50	259.29	6,720.2	-86.6	-792.3	157.2	0.00	0.00	0.00
6,900.0	11.50	259.29	6,818.2	-90.3	-811.9	162.7	0.00	0.00	0.00
7,000.0	11.50	259.29	6,916.2	-94.0	-831.4	168.1	0.00	0.00	0.00
7,100.0	11.50	259.29	7,014.2	-97.7	-851.0	173.6	0.00	0.00	0.00
7,200.0	11.50	259.29	7,112.2	-101.4	-870.6	179.0	0.00	0.00	0.00
7,300.0	11.50	259.29	7,210.2	-105.1	-890.2	184.5	0.00	0.00	0.00
7,400.0	11.50	259.29	7,308.1	-108.8	-909.8	189.9	0.00	0.00	0.00
7,500.0	11.50	259.29	7,406.1	-112.5	-929.4	195.3	0.00	0.00	0.00
7,600.0	11.50	259.29	7,504.1	-116.3	-949.0	200.8	0.00	0.00	0.00
7,648.7	11.50	259.29	7,551.8	-118.1	-958.5	203.4	0.00	0.00	0.00
START DROP -2.00									
7,700.0	10.47	259.29	7,602.2	-119.9	-968.1	206.1	2.00	-2.00	0.00
7,800.0	8.47	259.29	7,700.8	-122.9	-984.3	210.6	2.00	-2.00	0.00
7,900.0	6.47	259.29	7,800.0	-125.4	-997.1	214.2	2.00	-2.00	0.00
8,000.0	4.47	259.29	7,899.5	-127.1	-1,006.5	216.8	2.00	-2.00	0.00
8,100.0	2.47	259.29	7,999.3	-128.3	-1,012.4	218.4	2.00	-2.00	0.00
8,200.0	0.47	259.29	8,099.3	-128.7	-1,014.9	219.1	2.00	-2.00	0.00
8,223.7	0.00	0.00	8,123.0	-128.7	-1,015.0	219.2	2.00	-2.00	0.00
START HOLD @ 8223.7 MD									
8,300.0	0.00	0.00	8,199.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,299.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,399.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,499.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,599.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,699.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,799.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,899.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,100.0	0.00	0.00	8,999.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,099.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,199.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,299.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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	0.00	0.00	9,399.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,499.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,599.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,800.0	0.00	0.00	9,699.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,799.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,899.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
10,100.0	0.00	0.00	9,999.3	-128.7	-1,015.0	219.2	0.00	0.00	0.00
10,153.2	0.00	0.00	10,052.5	-128.7	-1,015.0	219.2	0.00	0.00	0.00
START BUILD 12.00									
10,175.0	2.61	176.55	10,074.3	-129.2	-1,015.0	219.6	12.00	12.00	0.00
10,200.0	5.61	176.55	10,099.2	-131.0	-1,014.9	221.4	12.00	12.00	0.00
10,225.0	8.61	176.55	10,124.0	-134.1	-1,014.7	224.5	12.00	12.00	0.00
10,250.0	11.61	176.55	10,148.6	-138.5	-1,014.5	228.8	12.00	12.00	0.00
10,275.0	14.61	176.55	10,173.0	-144.2	-1,014.1	234.4	12.00	12.00	0.00
10,300.0	17.61	176.55	10,197.0	-151.1	-1,013.7	241.3	12.00	12.00	0.00
10,325.0	20.61	176.55	10,220.6	-159.3	-1,013.2	249.4	12.00	12.00	0.00
10,350.0	23.61	176.55	10,243.8	-168.7	-1,012.6	258.7	12.00	12.00	0.00
10,375.0	26.61	176.55	10,266.4	-179.2	-1,012.0	269.2	12.00	12.00	0.00
10,400.0	29.61	176.55	10,288.5	-191.0	-1,011.3	280.8	12.00	12.00	0.00
10,425.0	32.61	176.55	10,309.9	-203.9	-1,010.5	293.6	12.00	12.00	0.00
10,450.0	35.61	176.55	10,330.6	-217.9	-1,009.7	307.4	12.00	12.00	0.00
10,475.0	38.61	176.55	10,350.5	-232.9	-1,008.8	322.4	12.00	12.00	0.00
10,500.0	41.61	176.55	10,369.6	-249.0	-1,007.8	338.3	12.00	12.00	0.00
10,525.0	44.61	176.55	10,387.9	-266.1	-1,006.8	355.2	12.00	12.00	0.00
10,550.0	47.61	176.55	10,405.2	-284.1	-1,005.7	373.0	12.00	12.00	0.00
10,575.0	50.61	176.55	10,421.6	-302.9	-1,004.5	391.7	12.00	12.00	0.00
10,600.0	53.61	176.55	10,436.9	-322.6	-1,003.4	411.2	12.00	12.00	0.00
10,625.0	56.61	176.55	10,451.2	-343.1	-1,002.1	431.5	12.00	12.00	0.00
10,650.0	59.61	176.55	10,464.4	-364.3	-1,000.8	452.4	12.00	12.00	0.00
10,675.0	62.61	176.55	10,476.5	-386.1	-999.5	474.1	12.00	12.00	0.00
10,700.0	65.61	176.55	10,487.4	-408.6	-998.2	496.3	12.00	12.00	0.00
10,725.0	68.61	176.55	10,497.1	-431.5	-996.8	519.1	12.00	12.00	0.00
10,750.0	71.61	176.55	10,505.6	-455.0	-995.4	542.3	12.00	12.00	0.00
10,775.0	74.61	176.55	10,512.9	-478.9	-993.9	566.0	12.00	12.00	0.00
10,800.0	77.61	176.55	10,518.9	-503.1	-992.5	590.0	12.00	12.00	0.00
10,825.0	80.61	176.55	10,523.6	-527.6	-991.0	614.3	12.00	12.00	0.00
10,850.0	83.61	176.55	10,527.0	-552.3	-989.5	638.7	12.00	12.00	0.00
10,875.0	86.61	176.55	10,529.2	-577.2	-988.0	663.4	12.00	12.00	0.00
10,900.0	89.61	176.55	10,530.0	-602.1	-986.5	688.1	12.00	12.00	0.00
10,903.2	90.00	176.55	10,530.0	-605.3	-986.3	691.3	12.00	12.00	0.00
START DLS 2.00 TFO 90.00									
11,000.0	90.00	178.49	10,530.0	-702.0	-982.1	787.2	2.00	0.00	2.00
11,057.1	90.00	179.63	10,530.0	-759.1	-981.2	843.9	2.00	0.00	2.00
START HOLD @ 11057.1 MD									
11,100.0	90.00	179.63	10,530.0	-802.0	-980.9	886.7	0.00	0.00	0.00
11,200.0	90.00	179.63	10,530.0	-902.0	-980.2	986.2	0.00	0.00	0.00
11,300.0	90.00	179.63	10,530.0	-1,002.0	-979.6	1,085.7	0.00	0.00	0.00
11,400.0	90.00	179.63	10,530.0	-1,102.0	-978.9	1,185.3	0.00	0.00	0.00
11,500.0	90.00	179.63	10,530.0	-1,202.0	-978.3	1,284.8	0.00	0.00	0.00
11,600.0	90.00	179.63	10,530.0	-1,302.0	-977.6	1,384.3	0.00	0.00	0.00
11,700.0	90.00	179.63	10,530.0	-1,402.0	-977.0	1,483.9	0.00	0.00	0.00
11,800.0	90.00	179.63	10,530.0	-1,502.0	-976.3	1,583.4	0.00	0.00	0.00
11,900.0	90.00	179.63	10,530.0	-1,602.0	-975.7	1,683.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
12,000.0	90.00	179.63	10,530.0	-1,702.0	-975.0	1,782.5	0.00	0.00	0.00
12,100.0	90.00	179.63	10,530.0	-1,802.0	-974.4	1,882.0	0.00	0.00	0.00
12,200.0	90.00	179.63	10,530.0	-1,902.0	-973.7	1,981.6	0.00	0.00	0.00
12,300.0	90.00	179.63	10,530.0	-2,002.0	-973.1	2,081.1	0.00	0.00	0.00
12,400.0	90.00	179.63	10,530.0	-2,102.0	-972.4	2,180.6	0.00	0.00	0.00
12,500.0	90.00	179.63	10,530.0	-2,202.0	-971.8	2,280.2	0.00	0.00	0.00
12,600.0	90.00	179.63	10,530.0	-2,302.0	-971.1	2,379.7	0.00	0.00	0.00
12,700.0	90.00	179.63	10,530.0	-2,402.0	-970.5	2,479.3	0.00	0.00	0.00
12,800.0	90.00	179.63	10,530.0	-2,502.0	-969.8	2,578.8	0.00	0.00	0.00
12,900.0	90.00	179.63	10,530.0	-2,602.0	-969.2	2,678.3	0.00	0.00	0.00
13,000.0	90.00	179.63	10,530.0	-2,702.0	-968.5	2,777.9	0.00	0.00	0.00
13,100.0	90.00	179.63	10,530.0	-2,802.0	-967.9	2,877.4	0.00	0.00	0.00
13,200.0	90.00	179.63	10,530.0	-2,902.0	-967.2	2,976.9	0.00	0.00	0.00
13,300.0	90.00	179.63	10,530.0	-3,002.0	-966.6	3,076.5	0.00	0.00	0.00
13,400.0	90.00	179.63	10,530.0	-3,102.0	-965.9	3,176.0	0.00	0.00	0.00
13,500.0	90.00	179.63	10,530.0	-3,202.0	-965.3	3,275.6	0.00	0.00	0.00
13,600.0	90.00	179.63	10,530.0	-3,302.0	-964.6	3,375.1	0.00	0.00	0.00
13,700.0	90.00	179.63	10,530.0	-3,402.0	-964.0	3,474.6	0.00	0.00	0.00
13,800.0	90.00	179.63	10,530.0	-3,502.0	-963.3	3,574.2	0.00	0.00	0.00
13,900.0	90.00	179.63	10,530.0	-3,602.0	-962.7	3,673.7	0.00	0.00	0.00
14,000.0	90.00	179.63	10,530.0	-3,701.9	-962.0	3,773.2	0.00	0.00	0.00
14,100.0	90.00	179.63	10,530.0	-3,801.9	-961.4	3,872.8	0.00	0.00	0.00
14,200.0	90.00	179.63	10,530.0	-3,901.9	-960.7	3,972.3	0.00	0.00	0.00
14,300.0	90.00	179.63	10,530.0	-4,001.9	-960.1	4,071.9	0.00	0.00	0.00
14,400.0	90.00	179.63	10,530.0	-4,101.9	-959.4	4,171.4	0.00	0.00	0.00
14,500.0	90.00	179.63	10,530.0	-4,201.9	-958.8	4,270.9	0.00	0.00	0.00
14,600.0	90.00	179.63	10,530.0	-4,301.9	-958.1	4,370.5	0.00	0.00	0.00
14,700.0	90.00	179.63	10,530.0	-4,401.9	-957.5	4,470.0	0.00	0.00	0.00
14,800.0	90.00	179.63	10,530.0	-4,501.9	-956.8	4,569.5	0.00	0.00	0.00
14,900.0	90.00	179.63	10,530.0	-4,601.9	-956.2	4,669.1	0.00	0.00	0.00
15,000.0	90.00	179.63	10,530.0	-4,701.9	-955.5	4,768.6	0.00	0.00	0.00
15,100.0	90.00	179.63	10,530.0	-4,801.9	-954.9	4,868.2	0.00	0.00	0.00
15,200.0	90.00	179.63	10,530.0	-4,901.9	-954.2	4,967.7	0.00	0.00	0.00
15,300.0	90.00	179.63	10,530.0	-5,001.9	-953.6	5,067.2	0.00	0.00	0.00
15,400.0	90.00	179.63	10,530.0	-5,101.9	-952.9	5,166.8	0.00	0.00	0.00
15,500.0	90.00	179.63	10,530.0	-5,201.9	-952.3	5,266.3	0.00	0.00	0.00
15,600.0	90.00	179.63	10,530.0	-5,301.9	-951.6	5,365.8	0.00	0.00	0.00
15,700.0	90.00	179.63	10,530.0	-5,401.9	-951.0	5,465.4	0.00	0.00	0.00
15,800.0	90.00	179.63	10,530.0	-5,501.9	-950.3	5,564.9	0.00	0.00	0.00
15,900.0	90.00	179.63	10,530.0	-5,601.9	-949.7	5,664.5	0.00	0.00	0.00
16,000.0	90.00	179.63	10,530.0	-5,701.9	-949.0	5,764.0	0.00	0.00	0.00
16,100.0	90.00	179.63	10,530.0	-5,801.9	-948.4	5,863.5	0.00	0.00	0.00
16,200.0	90.00	179.63	10,530.0	-5,901.9	-947.7	5,963.1	0.00	0.00	0.00
16,300.0	90.00	179.63	10,530.0	-6,001.9	-947.0	6,062.6	0.00	0.00	0.00
16,400.0	90.00	179.63	10,530.0	-6,101.9	-946.4	6,162.1	0.00	0.00	0.00
16,500.0	90.00	179.63	10,530.0	-6,201.9	-945.7	6,261.7	0.00	0.00	0.00
16,600.0	90.00	179.63	10,530.0	-6,301.9	-945.1	6,361.2	0.00	0.00	0.00
16,700.0	90.00	179.63	10,530.0	-6,401.9	-944.4	6,460.8	0.00	0.00	0.00
16,800.0	90.00	179.63	10,530.0	-6,501.9	-943.8	6,560.3	0.00	0.00	0.00
16,900.0	90.00	179.63	10,530.0	-6,601.9	-943.1	6,659.8	0.00	0.00	0.00
17,000.0	90.00	179.63	10,530.0	-6,701.9	-942.5	6,759.4	0.00	0.00	0.00
17,100.0	90.00	179.63	10,530.0	-6,801.9	-941.8	6,858.9	0.00	0.00	0.00
17,200.0	90.00	179.63	10,530.0	-6,901.9	-941.2	6,958.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)	
17,300.0	90.00	179.63	10,530.0	-7,001.9	-940.5	7,058.0	0.00	0.00	0.00	
17,400.0	90.00	179.63	10,530.0	-7,101.9	-939.9	7,157.5	0.00	0.00	0.00	
17,500.0	90.00	179.63	10,530.0	-7,201.9	-939.2	7,257.1	0.00	0.00	0.00	
17,600.0	90.00	179.63	10,530.0	-7,301.9	-938.6	7,356.6	0.00	0.00	0.00	
17,700.0	90.00	179.63	10,530.0	-7,401.9	-937.9	7,456.1	0.00	0.00	0.00	
17,800.0	90.00	179.63	10,530.0	-7,501.9	-937.3	7,555.7	0.00	0.00	0.00	
17,900.0	90.00	179.63	10,530.0	-7,601.9	-936.6	7,655.2	0.00	0.00	0.00	
18,000.0	90.00	179.63	10,530.0	-7,701.9	-936.0	7,754.7	0.00	0.00	0.00	
18,100.0	90.00	179.63	10,530.0	-7,801.9	-935.3	7,854.3	0.00	0.00	0.00	
18,200.0	90.00	179.63	10,530.0	-7,901.9	-934.7	7,953.8	0.00	0.00	0.00	
18,300.0	90.00	179.63	10,530.0	-8,001.9	-934.0	8,053.4	0.00	0.00	0.00	
18,400.0	90.00	179.63	10,530.0	-8,101.9	-933.4	8,152.9	0.00	0.00	0.00	
18,500.0	90.00	179.63	10,530.0	-8,201.9	-932.7	8,252.4	0.00	0.00	0.00	
18,600.0	90.00	179.63	10,530.0	-8,301.9	-932.1	8,352.0	0.00	0.00	0.00	
18,700.0	90.00	179.63	10,530.0	-8,401.8	-931.4	8,451.5	0.00	0.00	0.00	
18,800.0	90.00	179.63	10,530.0	-8,501.8	-930.8	8,551.0	0.00	0.00	0.00	
18,900.0	90.00	179.63	10,530.0	-8,601.8	-930.1	8,650.6	0.00	0.00	0.00	
19,000.0	90.00	179.63	10,530.0	-8,701.8	-929.5	8,750.1	0.00	0.00	0.00	
19,100.0	90.00	179.63	10,530.0	-8,801.8	-928.8	8,849.7	0.00	0.00	0.00	
19,200.0	90.00	179.63	10,530.0	-8,901.8	-928.2	8,949.2	0.00	0.00	0.00	
19,300.0	90.00	179.63	10,530.0	-9,001.8	-927.5	9,048.7	0.00	0.00	0.00	
19,400.0	90.00	179.63	10,530.0	-9,101.8	-926.9	9,148.3	0.00	0.00	0.00	
19,500.0	90.00	179.63	10,530.0	-9,201.8	-926.2	9,247.8	0.00	0.00	0.00	
19,600.0	90.00	179.63	10,530.0	-9,301.8	-925.6	9,347.3	0.00	0.00	0.00	
19,700.0	90.00	179.63	10,530.0	-9,401.8	-924.9	9,446.9	0.00	0.00	0.00	
19,800.0	90.00	179.63	10,530.0	-9,501.8	-924.3	9,546.4	0.00	0.00	0.00	
19,900.0	90.00	179.63	10,530.0	-9,601.8	-923.6	9,646.0	0.00	0.00	0.00	
20,000.0	90.00	179.63	10,530.0	-9,701.8	-923.0	9,745.5	0.00	0.00	0.00	
20,100.0	90.00	179.63	10,530.0	-9,801.8	-922.3	9,845.0	0.00	0.00	0.00	
20,200.0	90.00	179.63	10,530.0	-9,901.8	-921.7	9,944.6	0.00	0.00	0.00	
20,300.0	90.00	179.63	10,530.0	-10,001.8	-921.0	10,044.1	0.00	0.00	0.00	
20,392.7	90.00	179.63	10,530.0	-10,094.5	-920.4	10,136.4	0.00	0.00	0.00	
START HOLD @ 20392.7 MD										
20,400.0	90.00	179.63	10,530.0	-10,101.8	-920.4	10,143.6	0.00	0.00	0.00	
20,500.0	90.00	179.63	10,530.0	-10,201.8	-919.7	10,243.2	0.00	0.00	0.00	
20,522.7	90.00	179.63	10,530.0	-10,224.5	-919.6	10,265.8	0.00	0.00	0.00	
TD @ 20522.7 MD										

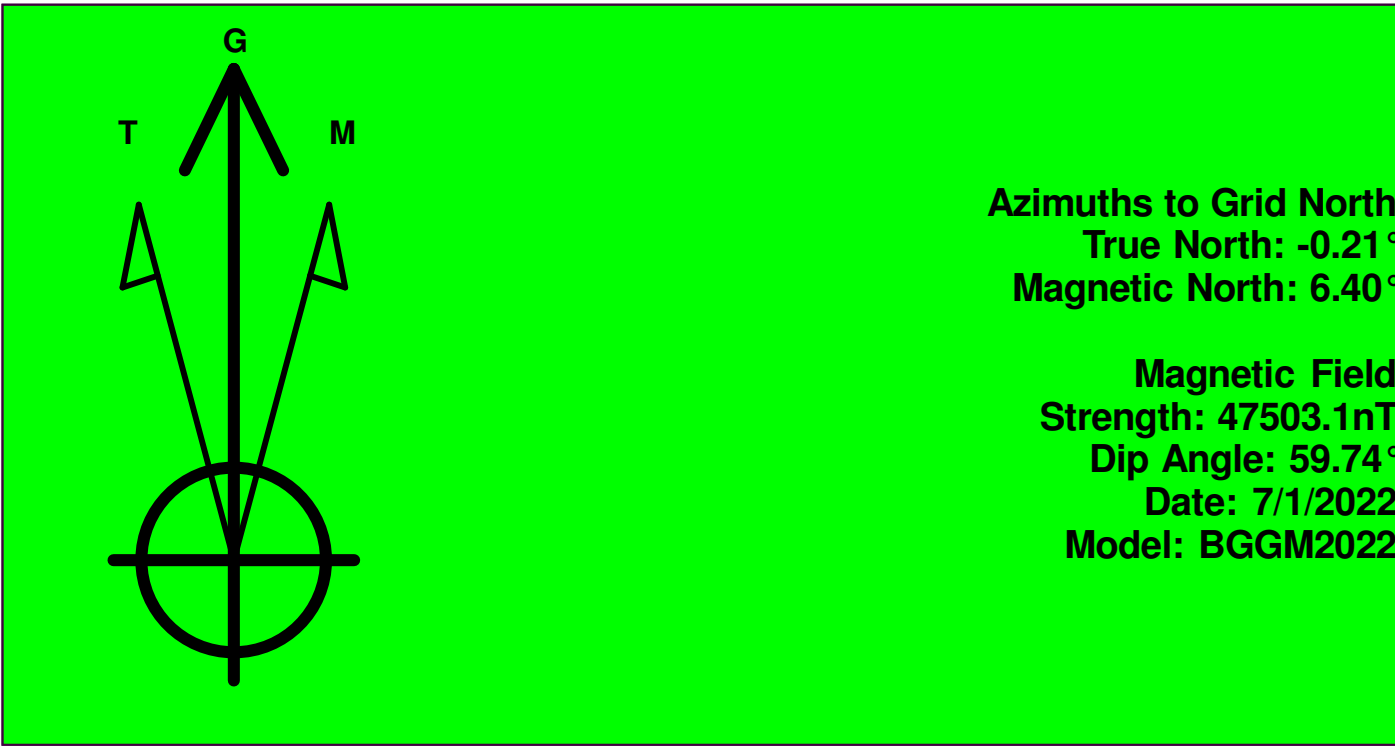
ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well CABO WABO FEDERAL COM #802Y
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 32ft + GL 3148ft @ 3180.0usft
Site:	CABO WABO FEDERAL PROJECT (ATLAS 2529)	North Reference:	Grid
Well:	CABO WABO FEDERAL COM #802Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VT (CABO WABO FED (	0.00	0.00	10,052.5	-128.7	-1,015.0	408,245.91	623,110.45	32° 7' 18.336 N	103° 56' 8.416 W
- plan hits target center									
- Point									
LTP (CABO WABO FED	0.00	0.01	10,530.0	-10,094.5	-920.4	398,280.11	623,205.08	32° 5' 39.708 N	103° 56' 7.743 W
- plan hits target center									
- Point									
PBHL (CABO WABO FE	0.00	359.63	10,530.0	-10,224.5	-919.6	398,150.12	623,205.93	32° 5' 38.421 N	103° 56' 7.739 W
- plan hits target center									
- Rectangle (sides W100.0 H10,068.0 D20.0)									
FTP (CABO WABO FED	0.00	0.00	10,530.0	-128.7	-985.2	408,245.92	623,140.32	32° 7' 18.335 N	103° 56' 8.068 W
- plan misses target center by 198.8usft at 10525.7usft MD (10388.3 TVD, -266.5 N, -1006.7 E)									
- Circle (radius 50.0)									

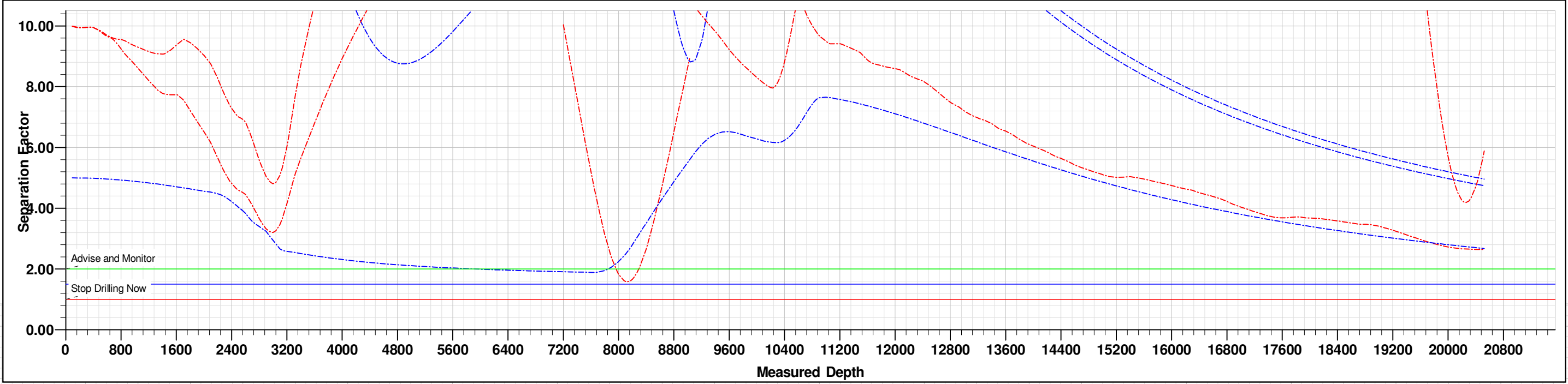
Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
+N/-S (usft)	+E/-W (usft)			
2,000.0	2,000.0	0.0	0.0	START NUDGE 2.00
2,250.0	2,249.7	10.5	-2.8	START HOLD @ 2250.0 MD
2,535.0	2,533.6	34.5	-9.3	START DLS 2.00 TFO -109.54
3,144.0	3,137.6	48.9	-76.0	START HOLD @ 3144.0 MD
7,648.7	7,551.8	-118.1	-958.5	START DROP -2.00
8,223.7	8,123.0	-128.7	-1,015.0	START HOLD @ 8223.7 MD
10,153.2	10,052.5	-128.7	-1,015.0	START BUILD 12.00
10,903.2	10,530.0	-605.3	-986.3	START DLS 2.00 TFO 90.00
11,057.1	10,530.0	-759.1	-981.2	START HOLD @ 11057.1 MD
20,392.7	10,530.0	-10,094.5	-920.4	START HOLD @ 20392.7 MD
20,522.7	10,530.0	-10,224.5	-919.6	TD @ 20522.7 MD



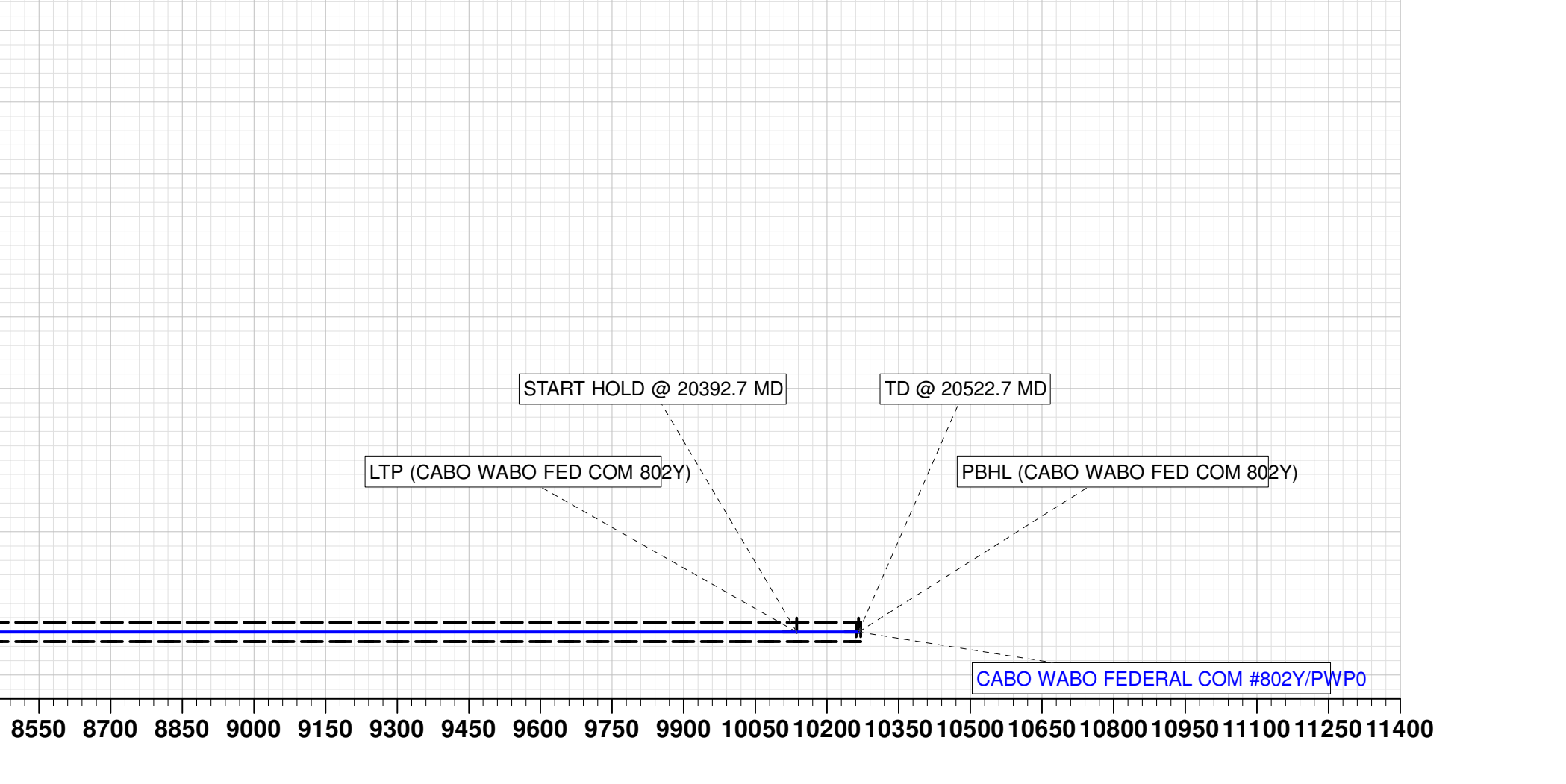
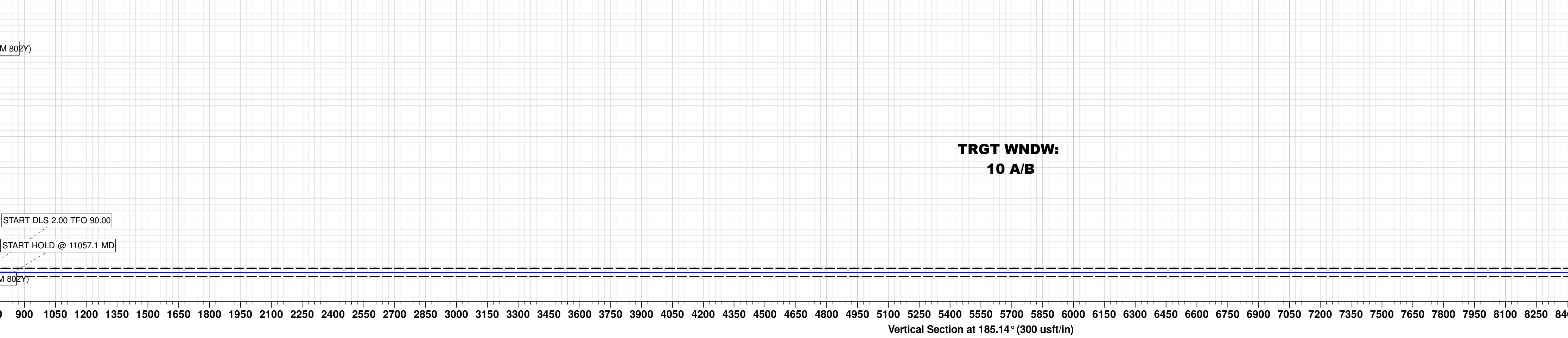
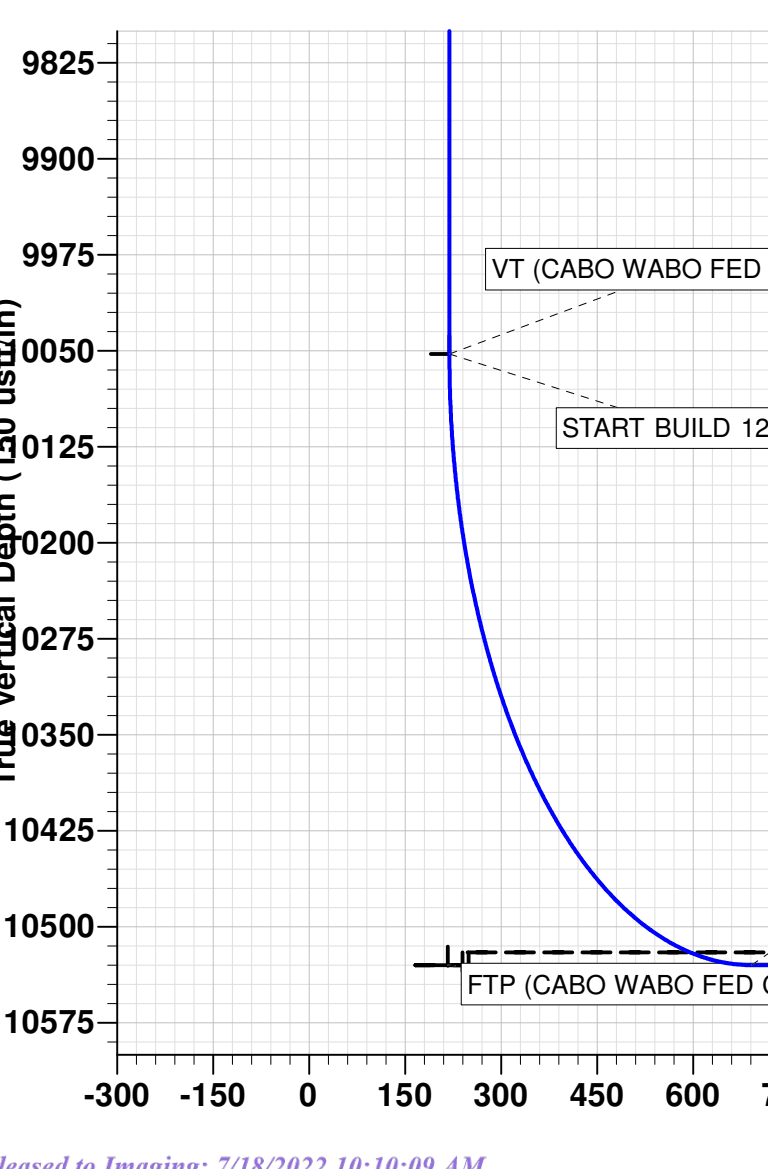
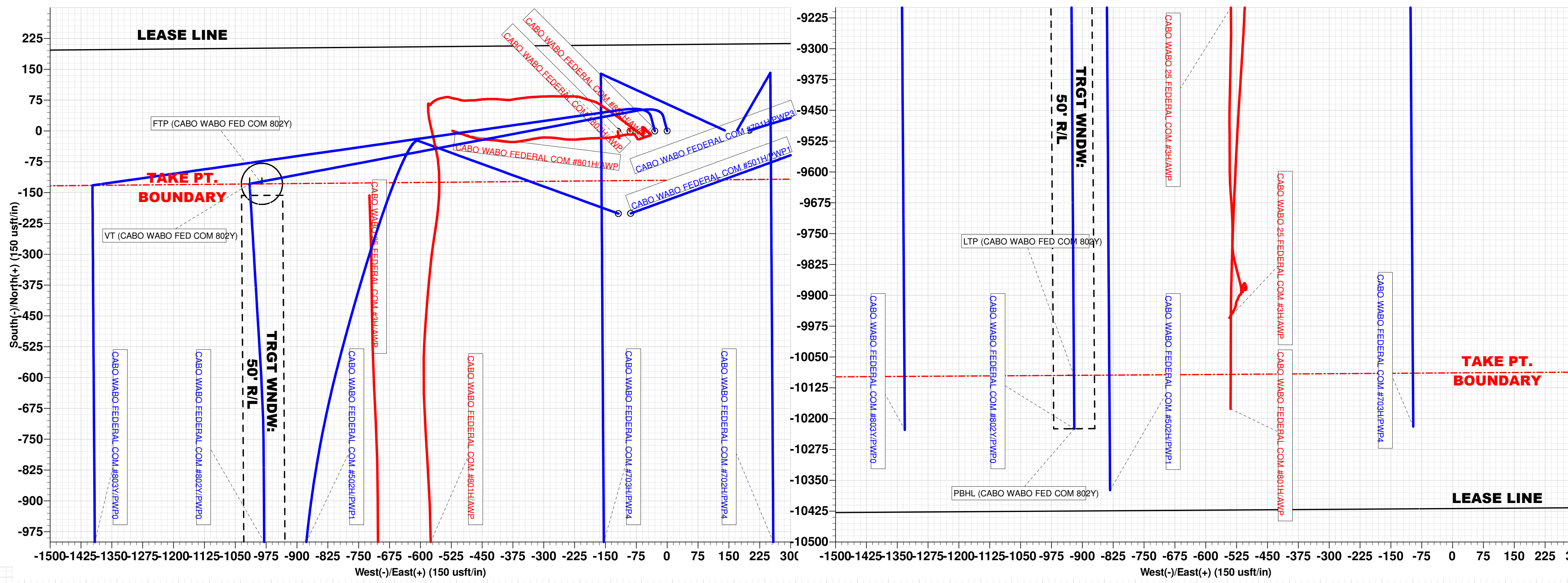
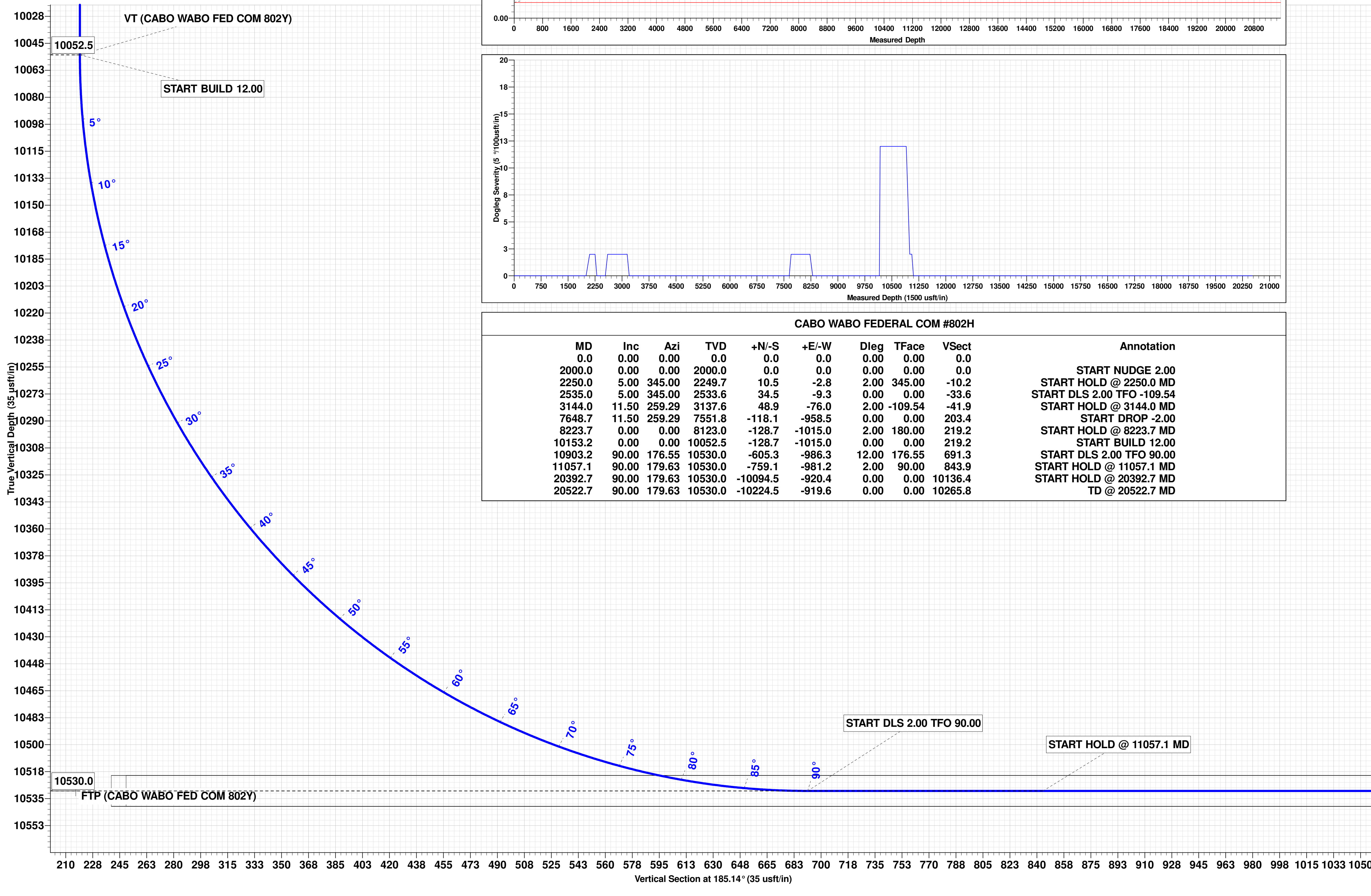
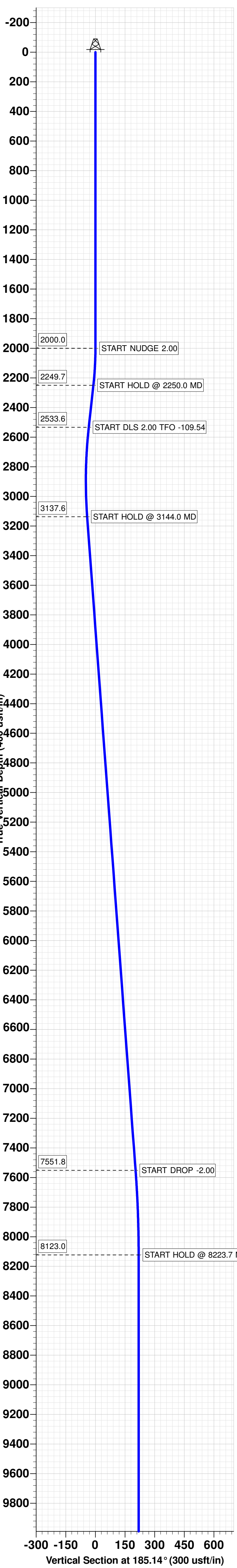
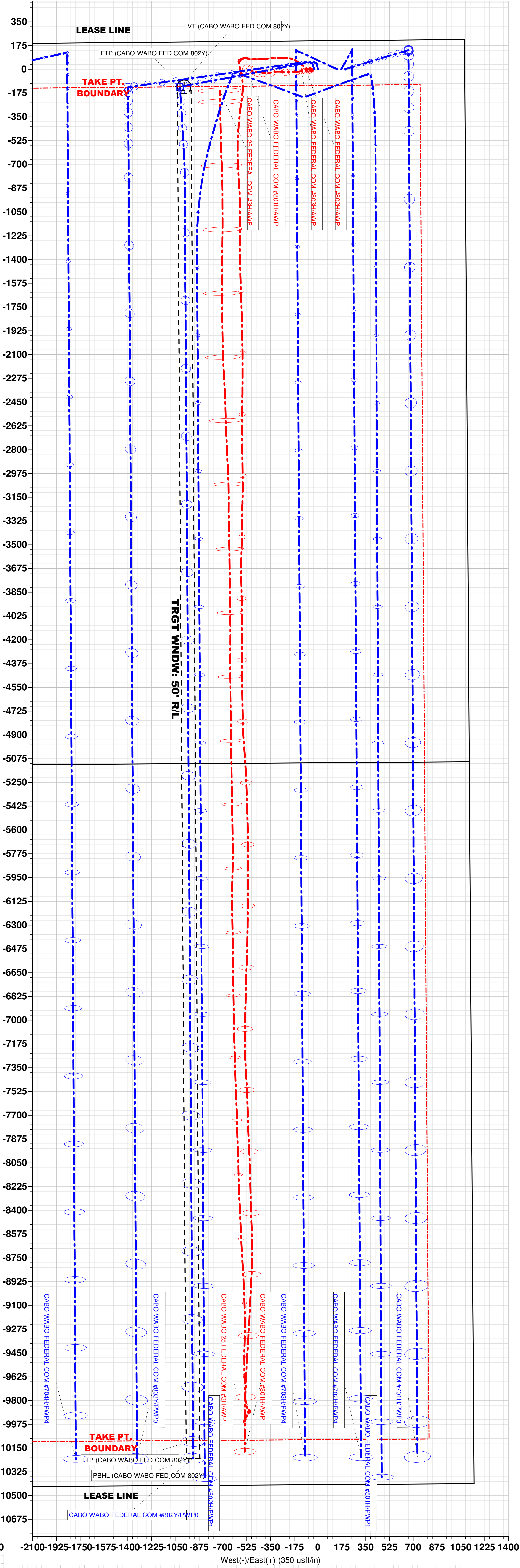
Project: ATLAS PROSPECT (NM-E)
Site: CABO WABO FEDERAL PROJECT (ATLAS 2529)
Well: CABO WABO FEDERAL COM #802H
Wellbore: QWB
Design: PWP0
GL: 3148.0
RKB 32ft + GL 3148ft @ 3180.0usft

WELL DETAILS: CABO WABO FEDERAL COM #802Y					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	408374.66	624125.49	32° 7' 19.573 N	103° 55' 56.607 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Easting
VT (CABO WABO FED COM 802Y)	10052.5	-128.7	-1015.0	408245.91	623110.45
FTP (CABO WABO FED COM 802Y)	10530.0	-128.7	-985.2	408245.92	623140.32
LTP (CABO WABO FED COM 802Y)	10530.0	-10094.5	-920.4	398280.11	623205.08
PBHL (CABO WABO FED COM 802Y)	10530.0	-10224.5	-919.6	398150.12	623205.93



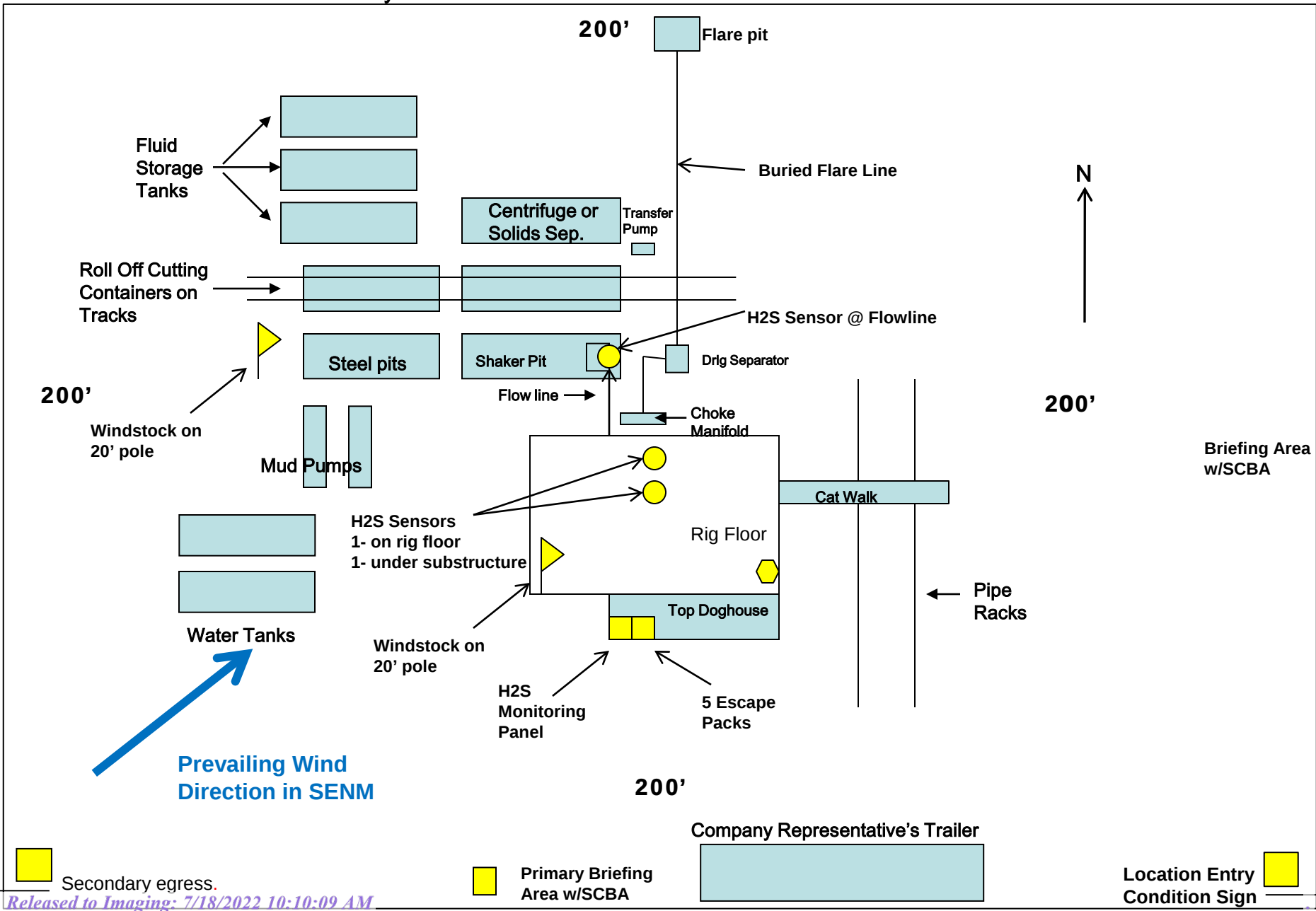
CABO WABO FEDERAL COM #802H									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	START NUDGE 2.00
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	START HOLD @ 2250.0 MD
2250.0	5.00	345.00	2249.7	10.5	-2.8	2.00	345.00	-10.2	START DLS 2.00 TFO -109.54
2535.0	5.00	345.00	2533.6	34.5	-9.3	0.00	0.00	-33.6	START HOLD @ 3144.0 MD
3144.0	11.50	259.29	3137.6	48.9	-76.0	2.00	-109.54	-41.9	START HOLD @ 3144.0 MD
7648.7	11.50	259.29	7551.8	-118.1	-958.5	0.00	0.00	203.4	START DROP -2.00
8223.7	0.00	0.00	8123.0	-128.7	-1015.0	2.00	180.00	219.2	START HOLD @ 8223.7 MD
10153.2	0.00	0.00	10052.5	-128.7	-1015.0	0.00	0.00	219.2	START BUILD 12.00
10903.2	90.00	176.55	10530.0	-605.3	-986.3	12.00	176.55	691.3	START DLS 2.00 TFO 90.00
11057.1	90.00	179.63	10530.0	-759.1	-981.2	2.00	90.00	843.9	START HOLD @ 11057.1 MD
20392.7	90.00	179.63	10530.0	-10094.5	-920.4	0.00	0.00	10136.4	START HOLD @ 20392.7 MD
20522.7	90.00	179.63	10530.0	-10224.5	-919.6	0.00	0.00	10265.8	TD @ 20522.7 MD



TRGT WNDW:
10 A/B

COG Operating LLC
H₂S Equipment Schematic
 Terrain: Shinnery sand hills.

Well pad will be 400' x 400'
 with cellar in center of pad



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

	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
SETH WILD	432-683-7443	432-528-3633
WALTER ROYE	575-748-6940	432-934-1886

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 125290

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 125290
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	7/18/2022