

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER 1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other 1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☒ Multiple Zone		5. Lease Serial No. NMNM92167 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No. FLAMING SNAIL FEDERAL COM 805H 9. API Well No. 30-015-54197
2. Name of Operator COG OPERATING LLC 3a. Address 600 West Illinois Ave, Midland, TX 79701 3b. Phone No. (include area code) (432) 683-7443		10. Field and Pool, or Exploratory /PURPLE SAGE (WOLFCAMP) GAS 11. Sec., T. R. M. or Blk. and Survey or Area SEC 28/T25S/R27E/NMP
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW / 557 FNL / 1619 FWL / LAT 32.106706 / LONG -104.198278 At proposed prod. zone SESW / 200 FSL / 1430 FWL / LAT 32.064884 / LONG -104.199393		12. County or Parish EDDY 13. State NM
14. Distance in miles and direction from nearest town or post office* 10 miles		15. 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 1920.0 17. Spacing Unit dedicated to this well 1920.0
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 90 feet 19. Proposed Depth 9768 feet / 25156 feet 20. BLM/BIA Bond No. in file FED: NMB000215		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3150 feet 22. Approximate date work will start* 06/01/2024 23. Estimated duration 30 days
24. Attachments		

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

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

25. Signature (Electronic Submission) Title Regulatory Advisor	Name (Printed/Typed) STAN WAGNER / Ph: (432) 683-7443	Date 10/06/2022
Approved by (Signature) (Electronic Submission) Title Assistant Field Manager Lands & Minerals	Name (Printed/Typed) CODY LAYTON / Ph: (575) 234-5959 Office Carlsbad Field Office	Date 08/25/2023

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Additional Operator Remarks

Location of Well

0. SHL: NENW / 557 FNL / 1619 FWL / TWSP: 25S / RANGE: 27E / SECTION: 28 / LAT: 32.106706 / LONG: -104.198278 (TVD: 0 feet, MD: 0 feet)
PPP: NENW / 330 FNL / 1430 FWL / TWSP: 25S / RANGE: 27E / SECTION: 28 / LAT: 32.107321 / LONG: -104.19889 (TVD: 9654 feet, MD: 9766 feet)
PPP: NENW / 1 FNL / 1430 FWL / TWSP: 25S / RANGE: 27E / SECTION: 33 / LAT: 32.093666 / LONG: -104.199052 (TVD: 9759 feet, MD: 14947 feet)
PPP: SENW / 1321 FNL / 1430 FWL / TWSP: 25S / RANGE: 27E / SECTION: 33 / LAT: 32.090002 / LONG: -104.199095 (TVD: 9760 feet, MD: 16267 feet)
PPP: NENW / 1 FNL / 1430 FWL / TWSP: 26S / RANGE: 27E / SECTION: 4 / LAT: 32.079016 / LONG: -104.199226 (TVD: 9765 feet, MD: 21547 feet)
BHL: SESW / 200 FSL / 1430 FWL / TWSP: 26S / RANGE: 27E / SECTION: 4 / LAT: 32.064884 / LONG: -104.199393 (TVD: 9768 feet, MD: 25156 feet)

BLM Point of Contact

Name: GAVIN MICKWEE
Title: Land Law Examiner
Phone: (575) 234-5972
Email: gmickwee@blm.gov

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) 746-1283 Fax: (575) 746-9720

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 54197	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 333880	Property Name FLAMING SNAIL FEDERAL COM	Well Number 805H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3150.5'

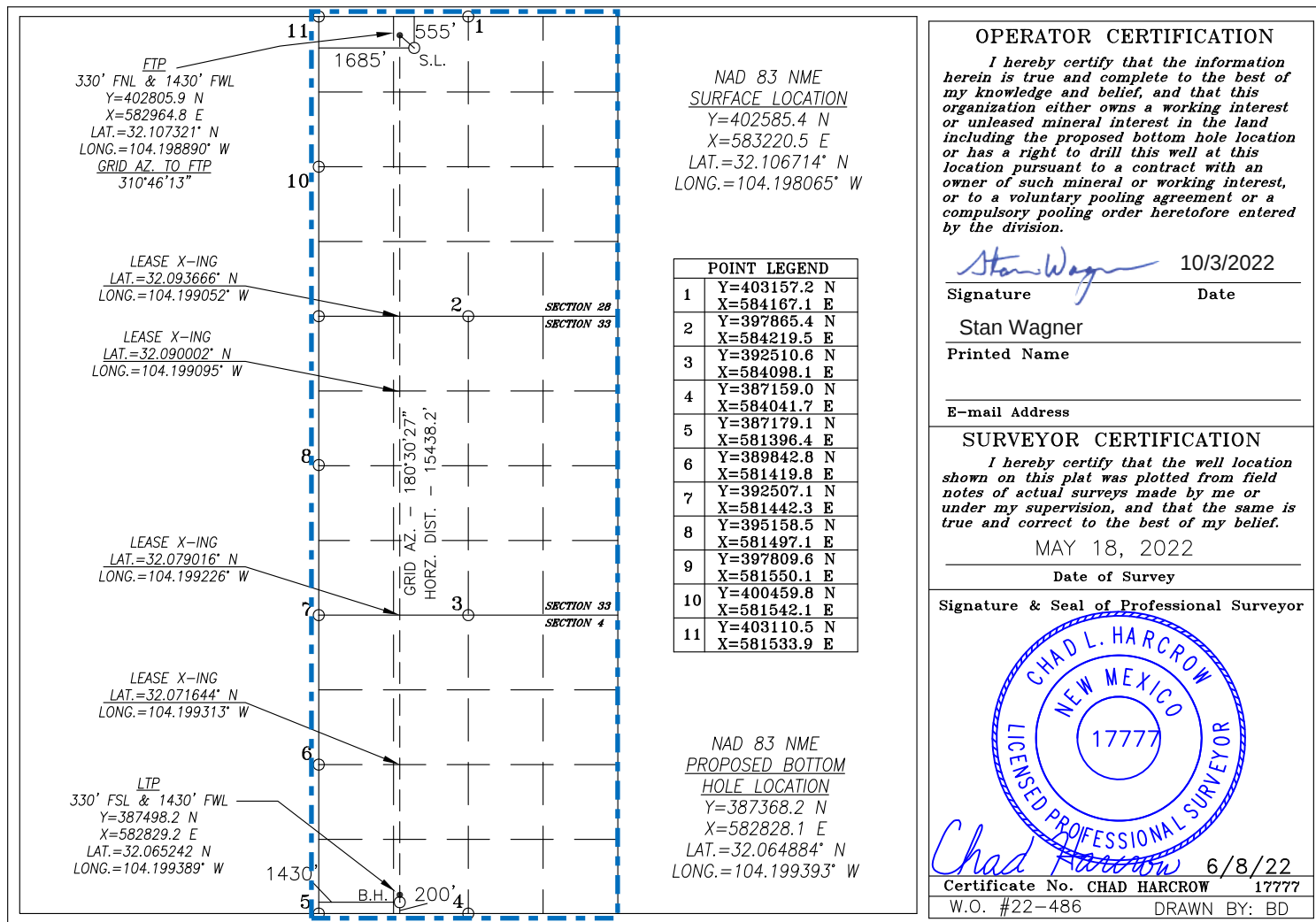
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	25-S	27-E		555	NORTH	1685	WEST	EDDY

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
N	4	26-S	27-E		200	SOUTH	1430	WEST	EDDY
Dedicated Acres 1920	Joint or Infill Infill	Consolidation Code Com	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



State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: COG Operating LLC

OGRID: 229137

Date: 10/03/2022

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
Flaming Snail Fed Com 801H	30-015	A-28-25S-27E	505 FNL & 975 FEL	± 660	± 9600	± 2800
Flaming Snail Fed Com 802H	30-015-	A-28-25S-27E	505 FNL & 1005 FEL	± 660	± 9600	± 2800
Flaming Snail Fed Com 803H	30-015-	A-28-25S-27E	505 FNL & 1035 FEL	± 660	± 9600	± 2800
Flaming Snail Fed Com 804H	30-015-	C-28-25S-27E	555 FNL & 1715 FWL	± 660	± 9600	± 2800
Flaming Snail Fed Com 805H	30-015-	C-28-25S-27E	555 FNL & 1685 FWL	± 660	± 9600	± 2800
Flaming Snail Fed Com 806H	30-015-	C-28-25S-27E	555 FNL & 1655 FWL	± 660	± 9600	± 2800

IV. Central Delivery Point Name: Flaming Snail Fed Com East CTB NWNE 28-25S-27E [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
Flaming Snail Fed Com	Pending	± 4/01/23	± 25 days from spud	TBD	TBD	TBD
801H, 802H, 803H, 804H, 805H, 806H						

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

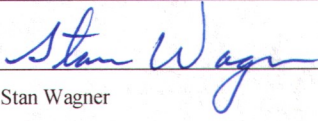
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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:	10/03/2022
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

COG Operating, LLC - Flaming Snail Federal Com 805H

1. Geologic Formations

TVD of target	9,768' EOL	Pilot hole depth	NA
MD at TD:	25,284'	Deepest expected fresh water:	28'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	40	Water	
Top of Salt	543	Salt	
Base of Salt	1964	Salt	
Lamar	2139	Salt Water	
Bell Canyon	2207	Salt Water	
Cherry Canyon	2992	Oil/Gas	
Brushy Canyon	4079	Oil/Gas	
Bone Spring Lime	5682	Oil/Gas	
1st Bone Spring Sand	6612	Oil/Gas	
2nd Bone Spring Sand	7141	Oil/Gas	
3rd Bone Spring Sand	8454	Oil/Gas	
Wolfcamp	8784	Oil/Gas	
Wolfcamp C	9616	Target Oil/Gas	
0	0	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								
14.75"	0	540	10.75"	45.5	J55	BTC	8.46	1.77	29.10	32.40
9.875"	0	5500	7.625"	29.7	HCL80	BTC	2.42	1.28	4.18	4.41
8.750"	5500	9100	7.625"	29.7	HCP110	W513	1.57	1.76	3.48	2.06
6.75"	0	8600	5.5"	23	P110	TXP BTC	2.60	3.07	3.69	3.69
6.75"	8600	25,284	5.5"	23	P110	W441	2.29	2.70	3.24	2.95
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.

COG Operating, LLC - Flaming Snail Federal Com 805H

	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?	

COG Operating, LLC - Flaming Snail Federal Com 805H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	258	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	600	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	399	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1573	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	8,600'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Flaming Snail Federal Com 805H

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		3000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	5M	5M Annular	x	2500psi
			Blind Ram		5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 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 valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 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.

COG Operating, LLC - Flaming Snail Federal Com 805H

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 - 12.5	35-45	<20

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

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

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	

COG Operating, LLC - Flaming Snail Federal Com 805H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6350 psi at 9768' TVD
Abnormal Temperature	NO 155 Deg. F.

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

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 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	H ₂ S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

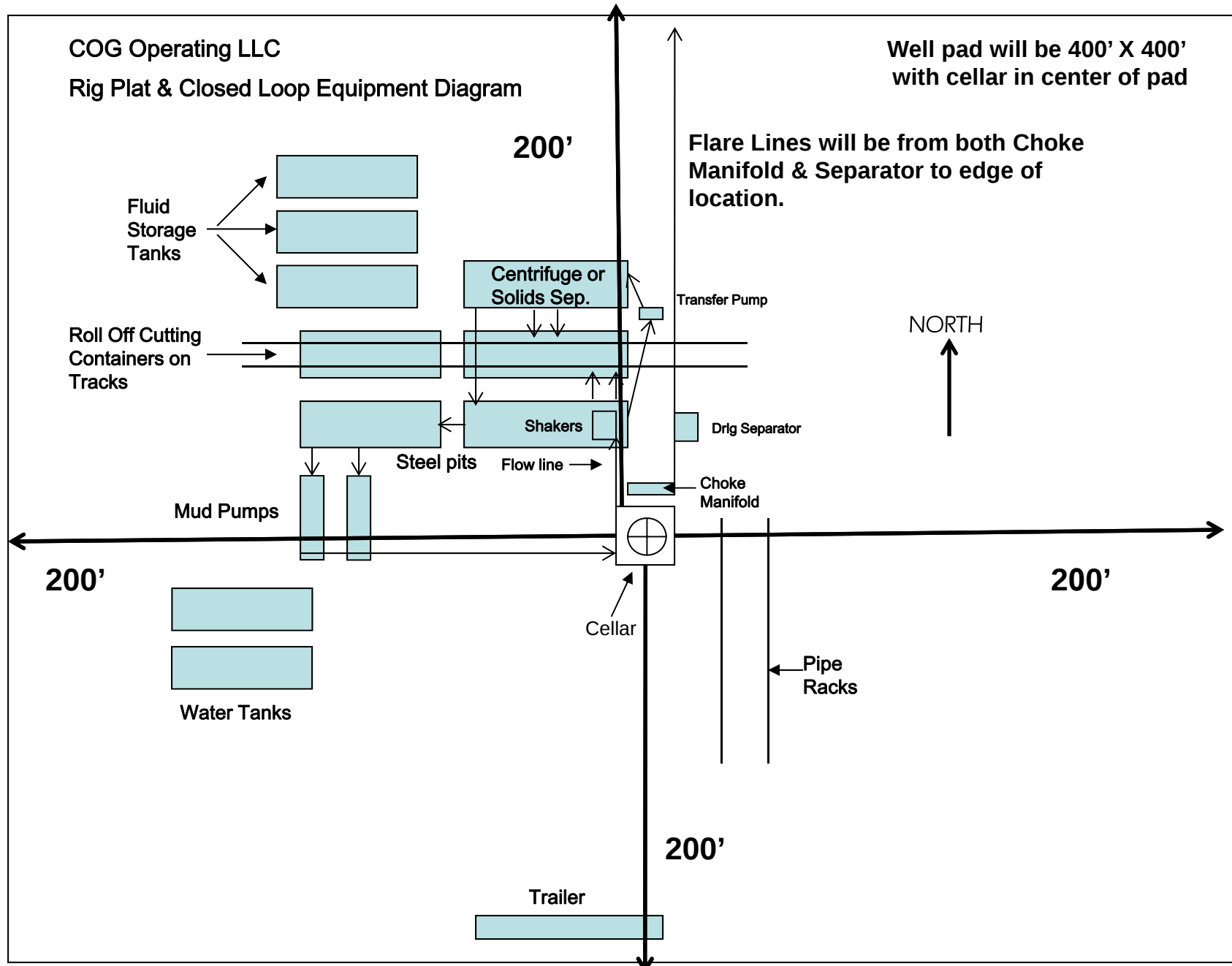


Exhibit 1

"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)

FLAMING SNAIL FED COM PROJECT

FLAMING SNAIL FEDERAL COM #805H

OWB

PWP1

Anticollision Report

24 September, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD + Stations Interval 95.0usft
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 1,320.0usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	9/23/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,500.0	PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cont. rev.5	
1,500.0	9,239.5	PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
9,239.5	25,284.5	PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

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						
FLAMING SNAIL FED COM PROJECT						
COTTONBERRY 20 FEDERAL COM #4H - OWB - AWP						Out of range
FLAMING SNAIL FEDERAL COM #501H - OWB - PWP0						Out of range
FLAMING SNAIL FEDERAL COM #502H - OWB - PWP0						Out of range
FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0	1,500.0	1,504.8	301.1	292.8	36.435	CC, ES
FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0	7,100.0	7,175.9	956.8	925.2	30.274	SF
FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0	5,524.3	5,565.6	293.2	272.4	14.123	CC, ES
FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0	7,030.0	7,087.2	345.2	316.5	12.053	SF
FLAMING SNAIL FEDERAL COM #520H - OWB - PWP0						Out of range
FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0	7,410.0	7,430.5	137.5	111.0	5.184	CC, ES
FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0	7,600.0	7,611.0	142.8	113.6	4.887	SF
FLAMING SNAIL FEDERAL COM #703H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #704H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #705H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1	1,436.8	1,438.8	173.8	164.6	18.980	CC
FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1	1,500.0	1,502.0	173.8	164.5	18.695	ES
FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1	1,700.0	1,700.9	181.2	171.2	18.139	SF
FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1	1,503.6	1,506.5	160.7	151.3	17.130	CC
FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1	1,520.0	1,523.4	160.7	151.3	17.035	ES
FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1	25,284.5	24,197.9	982.5	738.7	4.030	SF
FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1	1,922.9	1,947.9	150.6	139.1	13.082	CC, ES
FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1	25,284.5	24,170.7	807.4	560.9	3.275	SF
FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1	1,505.3	1,509.6	150.0	140.5	15.853	CC
FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1	1,520.0	1,524.7	150.0	140.5	15.780	ES
FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1	25,284.5	24,202.6	903.1	658.1	3.686	SF
FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1	1,500.8	1,505.3	153.4	144.0	16.270	CC
FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1	1,520.0	1,524.7	153.4	143.9	16.183	ES
FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1	25,284.5	24,229.3	1,203.2	960.0	4.948	SF
FLAMING SNAIL FEDERAL COM #801H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #802H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #803H - OWB - PWP1						Out of range
FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1	1,437.5	1,437.6	29.9	21.1	3.409	CC
FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1	1,500.0	1,500.0	29.9	21.0	3.368	ES

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
FLAMING SNAIL FED COM PROJECT						
FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1	1,520.0	1,519.9	30.0	21.1	3.359	SF
FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1	1,437.4	1,437.6	30.0	21.2	3.421	CC
FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1	1,520.0	1,520.0	30.0	21.1	3.362	ES, SF
LEONARDO BKL FEDERAL COM #1 - OWB - AWP						Out of range
WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AW	4,547.0	4,438.2	619.7	585.0	17.881	CC
WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AW	4,560.0	4,449.2	619.7	585.0	17.835	ES
WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AW	4,845.0	4,726.2	635.5	599.0	17.435	SF
WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AW	7,106.4	7,022.0	549.5	509.5	13.751	CC, ES
WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AW	7,200.0	7,086.0	551.7	511.5	13.719	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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

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						
FLAMING SNAIL FED COM PROJECT						
COTTONBERRY 20 FEDERAL COM #4H - OWB - AWP	25,284.5	11,975.0				Out of Range @TD
FLAMING SNAIL FEDERAL COM #501H - OWB - PWP0	25,284.5	23,266.7				Out of Range @TD
FLAMING SNAIL FEDERAL COM #502H - OWB - PWP0	25,284.5	23,194.3				Out of Range @TD
FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0	25,284.5	23,164.3				Out of Range @TD
FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0	25,284.5	23,085.9				Out of Range @TD
FLAMING SNAIL FEDERAL COM #520H - OWB - PWP0	25,284.5	23,585.6				Out of Range @TD
FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0	25,284.5	23,474.6				Out of Range @TD
FLAMING SNAIL FEDERAL COM #703H - OWB - PWP1	25,284.5	24,263.8				Out of Range @TD
FLAMING SNAIL FEDERAL COM #704H - OWB - PWP1	25,284.5	24,302.1				Out of Range @TD
FLAMING SNAIL FEDERAL COM #705H - OWB - PWP1	25,284.5	24,336.3				Out of Range @TD
FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1	25,284.5	24,278.2				Out of Range @TD
FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1	25,284.5	24,197.9	982.5	738.7	4.030	SF
FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1	25,284.5	24,170.7	807.4	560.9	3.275	SF
FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1	25,284.5	24,202.6	903.1	658.1	3.686	SF
FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1	25,284.5	24,229.3	1,203.2	960.0	4.948	SF
FLAMING SNAIL FEDERAL COM #801H - OWB - PWP1	25,284.5	25,454.1				Out of Range @TD
FLAMING SNAIL FEDERAL COM #802H - OWB - PWP1	25,284.5	25,370.7				Out of Range @TD
FLAMING SNAIL FEDERAL COM #803H - OWB - PWP1	25,284.5	25,416.8				Out of Range @TD
FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1	25,284.5	25,359.2	880.1	640.5	3.674	
FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1	25,284.5	25,329.6	880.3	639.3	3.653	
LEONARDO BKL FEDERAL COM #1 - OWB - AWP	25,284.5	9,750.0				Out of Range @TD
WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AW	25,284.5	7,030.0				Out of Range @TD
WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AW	25,284.5	7,086.0				Out of Range @TD

Offset Design:	FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0										Offset Site Error:	0.0 usft
Survey Program:	0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7106-r.5 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)		
0.0	0.0	4.8	4.8	3.0	3.0	174.11	-299.5	30.9	301.1			
95.0	95.0	99.8	99.8	3.0	3.0	174.11	-299.5	30.9	301.1	295.1	6.02	50.031
100.0	100.0	104.8	104.8	3.0	3.0	174.11	-299.5	30.9	301.1	295.1	6.02	50.006
190.0	190.0	194.8	194.8	3.1	3.0	174.11	-299.5	30.9	301.1	295.0	6.13	49.085
200.0	200.0	204.8	204.8	3.1	3.0	174.11	-299.5	30.9	301.1	294.9	6.15	48.940
285.0	285.0	289.8	289.8	3.3	3.0	174.11	-299.5	30.9	301.1	294.8	6.27	48.058
300.0	300.0	304.8	304.8	3.3	3.0	174.11	-299.5	30.9	301.1	294.8	6.29	47.883

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program:		0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7106-r.5 MWD+IFR1+MS										Offset Well Error: 3.0 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
380.0	380.0	384.8	384.8	3.4	3.0	174.11	-299.5	30.9	301.1	294.7	6.40	47.057		
400.0	400.0	404.8	404.8	3.4	3.0	174.11	-299.5	30.9	301.1	294.7	6.43	46.836		
475.0	475.0	479.8	479.8	3.5	3.0	174.11	-299.5	30.9	301.1	294.6	6.54	46.069		
500.0	500.0	504.8	504.8	3.5	3.1	174.11	-299.5	30.9	301.1	294.5	6.57	45.802		
570.0	570.0	574.8	574.8	3.6	3.1	174.11	-299.5	30.9	301.1	294.4	6.68	45.093		
600.0	600.0	604.8	604.8	3.6	3.1	174.11	-299.5	30.9	301.1	294.4	6.72	44.781		
665.0	665.0	669.8	669.8	3.7	3.1	174.11	-299.5	30.9	301.1	294.3	6.82	44.131		
700.0	700.0	704.8	704.8	3.8	3.1	174.11	-299.5	30.9	301.1	294.2	6.88	43.775		
760.0	760.0	764.8	764.8	3.8	3.1	174.11	-299.5	30.9	301.1	294.1	6.97	43.184		
800.0	800.0	804.8	804.8	3.9	3.2	174.11	-299.5	30.9	301.1	294.1	7.04	42.786		
855.0	855.0	859.8	859.8	4.0	3.2	174.11	-299.5	30.9	301.1	294.0	7.13	42.254		
900.0	900.0	904.8	904.8	4.0	3.2	174.11	-299.5	30.9	301.1	293.9	7.20	41.815		
950.0	950.0	954.8	954.8	4.1	3.2	174.11	-299.5	30.9	301.1	293.8	7.28	41.340		
1,000.0	1,000.0	1,004.8	1,004.8	4.1	3.2	174.11	-299.5	30.9	301.1	293.7	7.37	40.864		
1,045.0	1,045.0	1,049.8	1,049.8	4.2	3.3	174.11	-299.5	30.9	301.1	293.6	7.44	40.445		
1,100.0	1,100.0	1,104.8	1,104.8	4.2	3.3	174.11	-299.5	30.9	301.1	293.5	7.54	39.933		
1,140.0	1,140.0	1,144.8	1,144.8	4.3	3.3	174.11	-299.5	30.9	301.1	293.5	7.61	39.569		
1,200.0	1,200.0	1,204.8	1,204.8	4.4	3.4	174.11	-299.5	30.9	301.1	293.4	7.72	39.024		
1,235.0	1,235.0	1,239.8	1,239.8	4.4	3.4	174.11	-299.5	30.9	301.1	293.3	7.78	38.713		
1,300.0	1,300.0	1,304.8	1,304.8	4.5	3.4	174.11	-299.5	30.9	301.1	293.2	7.89	38.138		
1,330.0	1,330.0	1,334.8	1,334.8	4.5	3.4	174.11	-299.5	30.9	301.1	293.1	7.95	37.878		
1,400.0	1,400.0	1,404.8	1,404.8	4.6	3.5	174.11	-299.5	30.9	301.1	293.0	8.08	37.275		
1,425.0	1,425.0	1,429.8	1,429.8	4.6	3.5	174.11	-299.5	30.9	301.1	293.0	8.12	37.064		
1,500.0	1,500.0	1,504.8	1,504.8	4.7	3.6	174.11	-299.5	30.9	301.1	292.8	8.26	36.435 CC, ES		
1,520.0	1,520.0	1,524.8	1,524.8	4.8	3.6	-159.06	-299.5	30.9	301.2	292.8	8.31	36.224		
1,600.0	1,600.0	1,604.8	1,604.8	4.9	3.6	-159.16	-299.5	30.9	302.7	294.2	8.52	35.516		
1,615.0	1,615.0	1,619.8	1,619.8	4.9	3.6	-159.20	-299.5	30.9	303.2	294.7	8.57	35.378		
1,700.0	1,699.8	1,704.6	1,704.6	5.2	3.7	-159.47	-299.5	30.9	307.6	298.8	8.85	34.760		
1,710.0	1,709.8	1,714.6	1,714.6	5.2	3.7	-159.52	-299.5	30.9	308.3	299.4	8.88	34.703		
1,800.0	1,799.5	1,804.3	1,804.3	5.4	3.8	-159.97	-299.5	30.9	315.8	306.6	9.19	34.351		
1,805.0	1,804.4	1,809.2	1,809.2	5.5	3.8	-160.00	-299.5	30.9	316.3	307.1	9.21	34.338		
1,900.0	1,898.7	1,903.5	1,903.5	5.7	3.9	-160.63	-299.5	30.9	327.3	317.7	9.56	34.244		
1,995.0	1,992.5	1,997.3	1,997.3	6.0	3.9	-161.36	-299.5	30.9	341.3	331.3	9.92	34.387		
2,000.0	1,997.5	2,002.5	2,002.5	6.0	3.9	-161.40	-299.5	30.9	342.1	332.1	9.95	34.392		
2,090.0	2,085.8	2,098.7	2,098.7	6.4	4.1	-162.46	-298.2	32.0	357.3	346.9	10.41	34.322		
2,100.0	2,095.6	2,109.4	2,109.3	6.4	4.2	-162.60	-297.9	32.2	359.0	348.5	10.47	34.302		
2,125.2	2,120.2	2,136.2	2,136.2	6.4	4.2	-162.99	-297.0	33.0	363.4	352.9	10.58	34.362		
2,185.0	2,178.6	2,200.1	2,199.9	6.6	4.4	-164.06	-294.1	35.4	373.7	362.8	10.87	34.372		
2,200.0	2,193.3	2,216.1	2,215.9	6.6	4.5	-164.35	-293.2	36.1	376.1	365.2	10.94	34.366		
2,280.0	2,271.4	2,301.5	2,301.0	6.9	4.7	-165.98	-287.3	41.0	388.5	377.1	11.38	34.146		
2,300.0	2,290.9	2,322.9	2,322.2	6.9	4.8	-166.42	-285.5	42.5	391.4	379.9	11.49	34.078		
2,375.0	2,364.1	2,402.9	2,401.6	7.2	5.0	-168.17	-277.8	49.0	401.7	389.8	11.90	33.758		
2,400.0	2,388.5	2,429.5	2,427.9	7.3	5.1	-168.78	-274.8	51.5	405.0	393.0	12.04	33.641		
2,470.0	2,456.9	2,503.9	2,501.3	7.5	5.4	-170.60	-265.5	59.2	413.7	401.2	12.43	33.276		
2,500.0	2,486.2	2,535.6	2,532.5	7.6	5.5	-171.42	-261.1	62.8	417.2	404.6	12.60	33.114		
2,565.0	2,549.6	2,604.2	2,599.7	7.8	5.8	-173.28	-250.7	71.5	424.5	411.5	12.96	32.750		
2,600.0	2,583.8	2,641.0	2,635.6	7.9	5.9	-174.33	-244.6	76.6	428.3	415.1	13.16	32.556		
2,660.0	2,642.4	2,703.7	2,696.6	8.2	6.1	-176.19	-233.4	85.9	434.6	421.1	13.48	32.239		
2,700.0	2,681.4	2,743.9	2,735.6	8.3	6.3	-177.43	-225.7	92.3	438.7	425.1	13.66	32.127		
2,755.0	2,735.1	2,797.0	2,787.0	8.5	6.4	-179.05	-215.5	100.8	444.7	430.8	13.92	31.956		
2,800.0	2,779.0	2,840.5	2,829.1	8.7	6.6	179.65	-207.1	107.8	449.8	435.7	14.14	31.803		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7106-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		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)	Factor		
2,850.0	2,827.9	2,888.9	2,875.9	8.9	6.7	178.25	-197.8	115.6	455.8	441.4	14.40	31.655	
2,900.0	2,876.7	2,937.2	2,922.7	9.1	6.9	176.88	-188.5	123.3	462.1	447.5	14.65	31.536	
2,945.0	2,920.6	2,980.7	2,964.8	9.3	7.1	175.68	-180.2	130.3	468.0	453.1	14.88	31.448	
3,000.0	2,974.3	3,033.9	3,016.3	9.5	7.3	174.26	-169.9	138.8	475.4	460.3	15.16	31.368	
3,040.0	3,013.4	3,072.5	3,053.8	9.6	7.4	173.24	-162.5	145.0	481.1	465.7	15.36	31.325	
3,100.0	3,071.9	3,130.5	3,109.9	9.9	7.6	171.77	-151.3	154.3	489.7	474.1	15.65	31.286	
3,135.0	3,106.1	3,164.4	3,142.7	10.0	7.8	170.93	-144.8	159.7	495.0	479.1	15.83	31.273	
3,200.0	3,169.6	3,227.2	3,203.5	10.3	8.0	169.42	-132.7	169.8	504.9	488.8	16.15	31.274	
3,230.0	3,198.8	3,256.2	3,231.6	10.4	8.2	168.74	-127.2	174.4	509.7	493.4	16.29	31.281	
3,300.0	3,267.2	3,323.9	3,297.1	10.7	8.4	167.21	-114.1	185.3	521.0	504.3	16.63	31.319	
3,325.0	3,291.6	3,348.1	3,320.5	10.8	8.5	166.67	-109.5	189.1	525.1	508.3	16.76	31.337	
3,400.0	3,364.8	3,420.6	3,390.7	11.1	8.8	165.12	-95.5	200.8	537.7	520.6	17.12	31.410	
3,420.0	3,384.3	3,439.9	3,409.4	11.2	8.9	164.72	-91.8	203.9	541.2	523.9	17.22	31.433	
3,500.0	3,462.4	3,517.2	3,484.3	11.6	9.2	163.16	-76.9	216.2	555.2	537.5	17.60	31.537	
3,515.0	3,477.1	3,531.7	3,498.3	11.6	9.3	162.88	-74.1	218.6	557.8	540.1	17.68	31.559	
3,600.0	3,560.1	3,613.9	3,577.9	12.0	9.7	161.32	-58.3	231.7	573.2	555.1	18.09	31.692	
3,610.0	3,569.8	3,623.6	3,587.2	12.0	9.7	161.14	-56.5	233.3	575.0	556.9	18.13	31.709	
3,700.0	3,657.7	3,710.6	3,671.4	12.4	10.1	159.59	-39.7	247.2	591.8	573.2	18.57	31.867	
3,705.0	3,662.6	3,715.4	3,676.1	12.4	10.1	159.51	-38.8	248.0	592.7	574.1	18.60	31.876	
3,800.0	3,755.3	3,807.2	3,765.0	12.9	10.5	157.96	-21.1	262.7	610.9	591.8	19.06	32.056	
3,895.0	3,848.1	3,899.1	3,853.9	13.3	10.9	156.50	-3.4	277.4	629.5	610.0	19.52	32.245	
3,900.0	3,853.0	3,903.9	3,858.6	13.3	10.9	156.43	-2.5	278.2	630.5	610.9	19.55	32.255	
3,990.0	3,940.8	3,990.9	3,942.8	13.7	11.3	155.13	14.2	292.2	648.4	628.5	19.99	32.438	
4,000.0	3,950.6	4,000.6	3,952.2	13.7	11.4	154.99	16.1	293.7	650.5	630.4	20.04	32.459	
4,085.0	4,033.6	4,082.7	4,031.8	14.1	11.8	153.83	31.9	306.9	667.8	647.3	20.45	32.646	
4,088.3	4,036.8	4,085.9	4,034.8	14.1	11.8	153.79	32.5	307.4	668.4	648.0	20.47	32.653	
4,100.0	4,048.2	4,097.2	4,045.8	14.2	11.8	153.65	34.7	309.2	670.8	650.3	20.52	32.685	
4,180.0	4,126.6	4,174.7	4,120.8	14.5	12.2	152.71	49.6	321.6	686.1	665.2	20.94	32.772	
4,200.0	4,146.3	4,194.1	4,139.6	14.6	12.3	152.47	53.3	324.7	689.7	668.6	21.04	32.782	
4,275.0	4,220.2	4,267.0	4,210.1	15.0	12.6	151.53	67.4	336.4	702.0	680.6	21.41	32.795	
4,300.0	4,245.0	4,291.3	4,233.6	15.1	12.7	151.21	72.0	340.3	705.9	684.3	21.53	32.786	
4,370.0	4,314.4	4,359.4	4,299.6	15.4	13.0	150.27	85.1	351.2	715.7	693.8	21.86	32.744	
4,400.0	4,344.2	4,388.6	4,327.8	15.5	13.2	149.86	90.8	355.9	719.5	697.5	22.00	32.711	
4,465.0	4,408.9	4,451.8	4,389.1	15.8	13.5	148.92	102.9	366.0	727.0	704.7	22.28	32.631	
4,500.0	4,443.7	4,485.9	4,422.0	15.9	13.6	148.40	109.5	371.5	730.7	708.2	22.43	32.571	
4,560.0	4,503.6	4,544.2	4,478.5	16.2	13.9	147.48	120.7	380.8	736.2	713.5	22.67	32.470	
4,600.0	4,543.6	4,583.1	4,516.2	16.3	14.1	146.84	128.2	387.1	739.5	716.6	22.83	32.385	
4,655.0	4,598.5	4,636.5	4,567.8	16.5	14.3	145.93	138.5	395.6	743.3	720.3	23.02	32.292	
4,700.0	4,643.5	4,680.1	4,610.1	16.6	14.5	145.16	146.9	402.6	746.0	722.9	23.17	32.196	
4,713.5	4,657.0	4,693.1	4,622.7	16.6	14.6	118.09	149.4	404.7	746.8	723.6	23.19	32.196	
4,750.0	4,693.5	4,728.5	4,656.9	16.6	14.8	117.42	156.2	410.4	748.7	725.5	23.25	32.202	
4,800.0	4,743.5	4,776.9	4,703.8	16.6	15.0	116.52	165.5	418.1	751.6	728.3	23.33	32.211	
4,845.0	4,788.5	4,820.5	4,746.0	16.7	15.2	115.71	173.9	425.1	754.3	730.9	23.42	32.212	
4,900.0	4,843.5	4,873.7	4,797.5	16.7	15.4	114.73	184.1	433.6	757.9	734.4	23.53	32.214	
4,940.0	4,883.5	4,912.4	4,835.0	16.7	15.6	114.03	191.6	439.8	760.6	737.0	23.61	32.214	
5,000.0	4,943.5	4,970.5	4,891.3	16.8	15.9	112.97	202.8	449.1	765.0	741.2	23.75	32.212	
5,035.0	4,978.5	5,004.4	4,924.1	16.8	16.1	112.37	209.3	454.6	767.6	743.8	23.83	32.211	
5,100.0	5,043.5	5,067.3	4,985.0	16.8	16.4	111.25	221.4	464.7	772.8	748.8	24.00	32.206	
5,130.0	5,073.5	5,096.4	5,013.1	16.8	16.5	110.74	227.0	469.3	775.3	751.2	24.08	32.203	
5,200.0	5,143.5	5,164.2	5,078.7	16.9	16.8	109.55	240.0	480.2	781.4	757.1	24.27	32.194	
5,225.0	5,168.5	5,188.4	5,102.2	16.9	16.9	109.14	244.7	484.1	783.6	759.3	24.34	32.190	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7106-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	(usft)	(usft)	(usft)		
5,300.0	5,243.5	5,261.0	5,172.5	16.9	17.3	107.90	258.6	495.7	790.6	766.1	24.57	32.176		
5,320.0	5,263.5	5,280.3	5,191.2	16.9	17.4	107.57	262.4	498.8	792.6	767.9	24.64	32.172		
5,400.0	5,343.5	5,357.8	5,266.2	17.0	17.7	106.28	277.3	511.2	800.6	775.7	24.90	32.152		
5,415.0	5,358.5	5,372.3	5,280.2	17.0	17.8	106.04	280.1	513.5	802.1	777.2	24.95	32.148		
5,500.0	5,443.5	5,454.6	5,359.9	17.0	18.2	104.70	295.9	526.7	811.1	785.9	25.25	32.123		
5,510.0	5,453.5	5,464.3	5,369.3	17.0	18.3	104.54	297.8	528.3	812.2	786.9	25.29	32.120		
5,600.0	5,543.5	5,551.4	5,453.6	17.1	18.7	103.16	314.5	542.2	822.4	796.7	25.63	32.090		
5,605.0	5,548.5	5,556.3	5,458.3	17.1	18.7	103.08	315.5	543.0	822.9	797.3	25.65	32.088		
5,700.0	5,643.5	5,648.2	5,547.4	17.2	19.1	101.66	333.2	557.8	834.2	808.1	26.03	32.052		
5,795.0	5,738.5	5,740.2	5,636.4	17.2	19.6	100.27	350.9	572.5	845.9	819.5	26.42	32.014		
5,800.0	5,743.5	5,745.0	5,641.1	17.2	19.6	100.20	351.8	573.3	846.6	820.1	26.44	32.012		
5,890.0	5,833.5	5,832.2	5,725.4	17.3	20.0	98.92	368.6	587.2	858.2	831.3	26.84	31.974		
5,900.0	5,843.5	5,841.9	5,734.8	17.3	20.1	98.78	370.4	588.8	859.5	832.6	26.88	31.970		
5,985.0	5,928.5	5,924.1	5,814.5	17.3	20.5	97.61	386.3	602.0	870.9	843.6	27.27	31.932		
6,000.0	5,943.5	5,938.7	5,828.6	17.3	20.5	97.40	389.1	604.3	873.0	845.6	27.34	31.926		
6,080.0	6,023.5	6,016.1	5,903.5	17.4	20.9	96.33	404.0	616.7	884.1	856.4	27.72	31.890		
6,100.0	6,043.5	6,035.5	5,922.3	17.4	21.0	96.07	407.7	619.8	886.9	859.1	27.82	31.881		
6,175.0	6,118.5	6,108.1	5,992.6	17.4	21.4	95.09	421.7	631.4	897.7	869.5	28.19	31.848		
6,200.0	6,143.5	6,132.3	6,016.0	17.4	21.5	94.77	426.3	635.3	901.4	873.1	28.31	31.838		
6,270.0	6,213.5	6,201.5	6,083.0	17.5	21.8	93.87	439.6	646.4	911.8	883.1	28.67	31.805		
6,300.0	6,243.5	6,237.6	6,118.0	17.5	22.0	93.42	446.3	652.0	916.1	887.3	28.85	31.751		
6,365.0	6,308.5	6,316.3	6,194.8	17.5	22.4	92.54	459.8	663.2	924.9	895.7	29.25	31.620		
6,400.0	6,343.5	6,359.2	6,236.8	17.6	22.6	92.12	466.4	668.7	929.3	899.8	29.46	31.546		
6,460.0	6,403.5	6,433.2	6,309.5	17.6	22.9	91.46	476.7	677.3	936.0	906.2	29.80	31.412		
6,500.0	6,443.5	6,482.9	6,358.6	17.6	23.2	91.08	482.9	682.4	940.1	910.0	30.02	31.318		
6,555.0	6,498.5	6,551.6	6,426.7	17.6	23.5	90.62	490.2	688.5	944.9	914.6	30.30	31.187		
6,600.0	6,543.5	6,608.2	6,482.8	17.7	23.7	90.31	495.4	692.8	948.3	917.8	30.52	31.073		
6,650.0	6,593.5	6,671.4	6,545.7	17.7	24.0	90.02	500.1	696.8	951.4	920.7	30.74	30.952		
6,700.0	6,643.5	6,734.7	6,608.9	17.7	24.2	89.80	503.8	699.8	953.8	922.9	30.94	30.828		
6,745.0	6,688.5	6,792.0	6,666.0	17.8	24.4	89.66	506.2	701.8	955.4	924.3	31.11	30.715		
6,800.0	6,743.5	6,862.0	6,736.1	17.8	24.6	89.56	507.9	703.2	956.5	925.3	31.26	30.595		
6,840.0	6,783.5	6,913.0	6,787.1	17.8	24.8	89.53	508.3	703.6	956.8	925.5	31.35	30.519		
6,900.0	6,843.5	6,974.3	6,848.3	17.8	24.8	89.53	508.3	703.6	956.8	925.4	31.42	30.453		
6,935.0	6,878.5	7,009.3	6,883.3	17.9	24.8	89.53	508.3	703.6	956.8	925.4	31.46	30.413		
7,000.0	6,943.5	7,074.3	6,948.3	17.9	24.8	89.53	508.3	703.6	956.8	925.3	31.54	30.334		
7,030.0	6,973.5	7,104.3	6,978.3	17.9	24.8	89.53	508.3	703.6	956.8	925.3	31.58	30.298		
7,100.0	7,043.5	7,175.9	7,049.8	18.0	24.9	89.79	504.1	703.6	956.8	925.2	31.60	30.274 SF		
7,125.0	7,068.5	7,201.1	7,074.7	18.0	24.9	90.00	500.4	703.5	956.7	925.1	31.60	30.280		
7,166.6	7,110.2	7,242.2	7,115.0	18.0	24.9	90.50	492.2	703.5	956.7	925.1	31.57	30.306		
7,200.0	7,143.5	7,274.2	7,145.8	18.0	24.9	91.00	483.8	703.4	956.7	925.2	31.53	30.341		
7,220.0	7,163.5	7,292.8	7,163.6	18.0	25.0	91.34	478.1	703.3	956.8	925.3	31.51	30.367		
7,300.0	7,243.5	7,363.3	7,228.7	18.1	25.0	92.93	451.5	703.1	957.8	926.4	31.39	30.509		
7,315.0	7,258.5	7,375.7	7,239.8	18.1	25.0	93.26	446.0	703.1	958.1	926.7	31.37	30.543		
7,400.0	7,343.5	7,440.8	7,296.1	18.1	25.1	95.21	413.3	702.8	961.4	930.1	31.23	30.784		
7,410.0	7,353.5	7,450.0	7,303.7	18.2	25.1	95.52	408.1	702.7	961.9	930.7	31.20	30.832		
7,500.0	7,443.5	7,506.6	7,348.8	18.2	25.1	97.55	373.9	702.4	969.1	938.0	31.06	31.197		
7,505.0	7,448.5	7,509.6	7,351.1	18.2	25.1	97.66	371.9	702.4	969.6	938.6	31.06	31.222		
7,600.0	7,543.5	7,561.8	7,389.3	18.3	25.2	99.75	336.4	702.1	982.3	951.4	30.90	31.785		
7,695.0	7,638.5	7,600.0	7,415.1	18.3	25.2	101.38	308.2	701.9	1,000.6	969.8	30.79	32.500		
7,700.0	7,643.5	7,600.0	7,415.1	18.3	25.2	101.38	308.2	701.9	1,001.8	971.0	30.79	32.532		
7,790.0	7,733.5	7,650.0	7,445.9	18.4	25.2	103.64	268.9	701.5	1,025.0	994.4	30.57	33.531		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #503H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7106-r.5 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)			
7,800.0	7,743.5	7,650.0	7,445.9	18.4	25.2	103.64	268.9	701.5	1,027.9	997.3	30.57	33.620	
7,885.0	7,828.5	7,674.7	7,459.9	18.4	25.2	104.79	248.5	701.3	1,055.5	1,025.1	30.47	34.639	
7,900.0	7,843.5	7,679.3	7,462.3	18.4	25.2	105.00	244.7	701.3	1,060.9	1,030.5	30.45	34.839	
7,980.0	7,923.5	7,700.0	7,473.2	18.5	25.3	105.99	227.0	701.2	1,092.1	1,061.8	30.36	35.974	
8,000.0	7,943.5	7,700.0	7,473.2	18.5	25.3	105.99	227.0	701.2	1,100.6	1,070.2	30.36	36.251	
8,075.0	8,018.5	7,725.1	7,485.5	18.6	25.3	107.20	205.2	701.0	1,134.4	1,104.2	30.25	37.501	
8,100.0	8,043.5	7,730.7	7,488.1	18.6	25.3	107.47	200.2	700.9	1,146.5	1,116.2	30.23	37.926	
8,170.0	8,113.5	7,750.0	7,496.8	18.6	25.3	108.41	182.9	700.8	1,182.1	1,151.9	30.16	39.195	
8,200.0	8,143.5	7,750.0	7,496.8	18.6	25.3	108.41	182.9	700.8	1,198.1	1,168.0	30.17	39.717	
8,265.0	8,208.5	7,750.0	7,496.8	18.7	25.3	108.41	182.9	700.8	1,234.7	1,204.5	30.19	40.899	
8,300.0	8,243.5	7,769.0	7,504.7	18.7	25.3	109.34	165.7	700.6	1,255.0	1,224.8	30.13	41.651	
8,360.0	8,303.5	7,778.6	7,508.4	18.7	25.3	109.81	156.9	700.6	1,291.3	1,261.2	30.13	42.860	
8,400.0	8,343.5	7,784.6	7,510.7	18.8	25.3	110.11	151.3	700.5	1,316.5	1,286.3	30.14	43.685	

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

9/24/2022 11:05:03AM

Page 8

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7065-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	5.7	5.7	3.0	3.0	-174.47	-174.47	-300.5	-29.1	301.9				
95.0	95.0	100.7	100.7	3.0	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.9	6.02	50.166	
100.0	100.0	105.7	105.7	3.0	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.9	6.02	50.141	
190.0	190.0	195.7	195.7	3.1	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.8	6.13	49.218	
200.0	200.0	205.7	205.7	3.1	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.8	6.15	49.072	
285.0	285.0	290.7	290.7	3.3	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.6	6.27	48.187	
300.0	300.0	305.7	305.7	3.3	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.6	6.29	48.011	
380.0	380.0	385.7	385.7	3.4	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.5	6.40	47.183	
400.0	400.0	405.7	405.7	3.4	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.5	6.43	46.962	
475.0	475.0	480.7	480.7	3.5	3.0	-174.47	-174.47	-300.5	-29.1	301.9	295.4	6.54	46.191	
500.0	500.0	505.7	505.7	3.5	3.1	-174.47	-174.47	-300.5	-29.1	301.9	295.3	6.57	45.924	
570.0	570.0	575.7	575.7	3.6	3.1	-174.47	-174.47	-300.5	-29.1	301.9	295.2	6.68	45.213	
600.0	600.0	605.7	605.7	3.6	3.1	-174.47	-174.47	-300.5	-29.1	301.9	295.2	6.72	44.899	
665.0	665.0	670.7	670.7	3.7	3.1	-174.47	-174.47	-300.5	-29.1	301.9	295.1	6.82	44.248	
700.0	700.0	705.7	705.7	3.8	3.1	-174.47	-174.47	-300.5	-29.1	301.9	295.0	6.88	43.890	
760.0	760.0	765.7	765.7	3.8	3.1	-174.47	-174.47	-300.5	-29.1	301.9	294.9	6.97	43.298	
800.0	800.0	805.7	805.7	3.9	3.2	-174.47	-174.47	-300.5	-29.1	301.9	294.9	7.04	42.898	
855.0	855.0	860.7	860.7	4.0	3.2	-174.47	-174.47	-300.5	-29.1	301.9	294.8	7.13	42.364	
900.0	900.0	905.7	905.7	4.0	3.2	-174.47	-174.47	-300.5	-29.1	301.9	294.7	7.20	41.924	
950.0	950.0	955.7	955.7	4.1	3.2	-174.47	-174.47	-300.5	-29.1	301.9	294.6	7.28	41.448	
1,000.0	1,000.0	1,005.7	1,005.7	4.1	3.2	-174.47	-174.47	-300.5	-29.1	301.9	294.5	7.37	40.970	
1,045.0	1,045.0	1,050.7	1,050.7	4.2	3.3	-174.47	-174.47	-300.5	-29.1	301.9	294.5	7.45	40.550	
1,100.0	1,100.0	1,105.7	1,105.7	4.2	3.3	-174.47	-174.47	-300.5	-29.1	301.9	294.4	7.54	40.036	
1,140.0	1,140.0	1,145.7	1,145.7	4.3	3.3	-174.47	-174.47	-300.5	-29.1	301.9	294.3	7.61	39.671	
1,200.0	1,200.0	1,205.7	1,205.7	4.4	3.4	-174.47	-174.47	-300.5	-29.1	301.9	294.2	7.72	39.125	
1,235.0	1,235.0	1,240.7	1,240.7	4.4	3.4	-174.47	-174.47	-300.5	-29.1	301.9	294.1	7.78	38.813	
1,300.0	1,300.0	1,305.7	1,305.7	4.5	3.4	-174.47	-174.47	-300.5	-29.1	301.9	294.0	7.90	38.236	
1,330.0	1,330.0	1,335.7	1,335.7	4.5	3.4	-174.47	-174.47	-300.5	-29.1	301.9	294.0	7.95	37.975	
1,400.0	1,400.0	1,405.7	1,405.7	4.6	3.5	-174.47	-174.47	-300.5	-29.1	301.9	293.8	8.08	37.370	
1,425.0	1,425.0	1,430.7	1,430.7	4.6	3.5	-174.47	-174.47	-300.5	-29.1	301.9	293.8	8.12	37.158	
1,500.0	1,500.0	1,505.7	1,505.7	4.7	3.6	-174.47	-174.47	-300.5	-29.1	301.9	293.6	8.27	36.527	
1,520.0	1,520.0	1,525.7	1,525.7	4.8	3.6	-147.64	-147.64	-300.5	-29.1	302.0	293.7	8.31	36.318	
1,600.0	1,600.0	1,605.7	1,605.7	4.9	3.6	-147.79	-147.79	-300.5	-29.1	303.4	294.9	8.51	35.654	
1,615.0	1,615.0	1,620.7	1,620.7	4.9	3.6	-147.85	-147.85	-300.5	-29.1	303.9	295.3	8.56	35.517	
1,700.0	1,699.8	1,705.5	1,705.5	5.2	3.7	-148.27	-148.27	-300.5	-29.1	307.8	299.0	8.82	34.897	
1,710.0	1,709.8	1,715.5	1,715.5	5.2	3.7	-148.33	-148.33	-300.5	-29.1	308.4	299.6	8.85	34.838	
1,800.0	1,799.5	1,805.2	1,805.2	5.4	3.8	-149.02	-149.02	-300.5	-29.1	315.3	306.1	9.15	34.454	
1,805.0	1,804.4	1,810.1	1,810.1	5.5	3.8	-149.07	-149.07	-300.5	-29.1	315.7	306.6	9.17	34.439	
1,900.0	1,898.7	1,904.4	1,904.4	5.7	3.9	-150.02	-150.02	-300.5	-29.1	325.8	316.3	9.50	34.285	
1,995.0	1,992.5	1,998.2	1,998.2	6.0	3.9	-151.14	-151.14	-300.5	-29.1	338.7	328.8	9.86	34.351	
2,000.0	1,997.5	2,003.5	2,003.5	6.0	3.9	-151.21	-151.21	-300.5	-29.1	339.5	329.6	9.88	34.347	
2,090.0	2,085.8	2,101.6	2,101.6	6.4	4.2	-152.36	-152.36	-299.0	-30.2	353.2	342.9	10.37	34.074	
2,100.0	2,095.6	2,112.5	2,112.5	6.4	4.2	-152.48	-152.48	-298.7	-30.4	354.8	344.3	10.43	34.023	
2,125.2	2,120.2	2,140.1	2,140.1	6.4	4.3	-152.76	-152.76	-297.7	-31.1	358.6	348.1	10.55	34.007	
2,185.0	2,178.6	2,205.9	2,205.7	6.6	4.4	-153.42	-153.42	-294.5	-33.5	367.4	356.5	10.87	33.810	
2,200.0	2,193.3	2,222.5	2,222.3	6.6	4.5	-153.56	-153.56	-293.5	-34.2	369.4	358.4	10.95	33.747	
2,280.0	2,271.4	2,311.3	2,310.7	6.9	4.8	-154.13	-154.13	-286.9	-39.1	379.0	367.5	11.42	33.186	
2,300.0	2,290.9	2,333.6	2,332.9	6.9	4.8	-154.23	-154.23	-284.9	-40.6	381.1	369.5	11.54	33.021	
2,375.0	2,364.1	2,417.5	2,416.1	7.2	5.1	-154.47	-154.47	-276.0	-47.1	387.8	375.8	12.00	32.307	
2,400.0	2,388.5	2,445.6	2,443.8	7.3	5.2	-154.50	-154.50	-272.6	-49.6	389.6	377.4	12.16	32.043	
2,470.0	2,456.9	2,524.3	2,521.4	7.5	5.5	-154.47	-154.47	-261.9	-57.4	393.7	381.0	12.61	31.226	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0											Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7065-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	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)	Separation (usft)	Factor
2,500.0	2,486.2	2,558.1	2,554.6	7.6	5.6	-154.40	-256.8	-61.2	394.9	382.1	12.80	30.853
2,565.0	2,549.6	2,631.4	2,626.3	7.8	5.9	-154.14	-244.6	-70.1	396.6	383.4	13.23	29.992
2,600.0	2,583.8	2,670.8	2,664.7	7.9	6.0	-153.94	-237.5	-75.4	397.0	383.6	13.45	29.509
2,660.0	2,642.4	2,734.1	2,726.1	8.2	6.3	-153.53	-225.3	-84.3	396.9	383.1	13.83	28.697
2,700.0	2,681.4	2,774.0	2,764.9	8.3	6.4	-153.27	-217.5	-90.0	396.8	382.8	14.08	28.193
2,755.0	2,735.1	2,829.0	2,818.2	8.5	6.6	-152.90	-206.7	-97.9	396.7	382.3	14.42	27.515
2,800.0	2,779.0	2,873.9	2,861.8	8.7	6.7	-152.61	-198.0	-104.3	396.6	381.9	14.70	26.981
2,850.0	2,827.9	2,923.9	2,910.3	8.9	6.9	-152.28	-188.2	-111.5	396.5	381.5	15.02	26.403
2,900.0	2,876.7	2,973.8	2,958.7	9.1	7.1	-151.95	-178.5	-118.6	396.4	381.1	15.34	25.847
2,945.0	2,920.6	3,018.8	3,002.3	9.3	7.3	-151.65	-169.7	-125.1	396.4	380.7	15.63	25.362
3,000.0	2,974.3	3,073.7	3,055.7	9.5	7.5	-151.29	-159.0	-132.9	396.3	380.3	15.98	24.792
3,040.0	3,013.4	3,113.7	3,094.4	9.6	7.6	-151.02	-151.2	-138.6	396.2	380.0	16.25	24.391
3,100.0	3,071.9	3,173.6	3,152.6	9.9	7.9	-150.62	-139.5	-147.2	396.2	379.6	16.64	23.812
3,135.0	3,106.1	3,208.6	3,186.5	10.0	8.0	-150.39	-132.7	-152.2	396.2	379.3	16.87	23.486
3,198.1	3,167.7	3,271.6	3,247.6	10.3	8.3	-149.97	-120.4	-161.2	396.2	378.9	17.29	22.920
3,200.0	3,169.6	3,273.5	3,249.5	10.3	8.3	-149.96	-120.0	-161.5	396.2	378.9	17.30	22.903
3,230.0	3,198.8	3,303.5	3,278.6	10.4	8.4	-149.76	-114.2	-165.8	396.2	378.7	17.50	22.643
3,300.0	3,267.2	3,373.4	3,346.4	10.7	8.7	-149.30	-100.6	-175.8	396.2	378.2	17.96	22.061
3,325.0	3,291.6	3,398.4	3,370.7	10.8	8.8	-149.13	-95.7	-179.4	396.2	378.1	18.13	21.860
3,400.0	3,364.8	3,473.3	3,443.4	11.1	9.1	-148.64	-81.1	-190.1	396.3	377.7	18.62	21.280
3,420.0	3,384.3	3,493.3	3,462.7	11.2	9.2	-148.51	-77.2	-193.0	396.3	377.6	18.75	21.131
3,500.0	3,462.4	3,573.2	3,540.3	11.6	9.5	-147.98	-61.6	-204.4	396.4	377.1	19.28	20.557
3,515.0	3,477.1	3,588.2	3,554.8	11.6	9.6	-147.88	-58.7	-206.6	396.4	377.1	19.38	20.453
3,600.0	3,560.1	3,673.1	3,637.2	12.0	9.9	-147.32	-42.1	-218.7	396.6	376.7	19.94	19.887
3,610.0	3,569.8	3,683.1	3,646.9	12.0	10.0	-147.25	-40.2	-220.1	396.6	376.6	20.01	19.823
3,700.0	3,657.7	3,773.0	3,734.1	12.4	10.4	-146.66	-22.6	-233.0	396.8	376.2	20.60	19.266
3,705.0	3,662.6	3,778.0	3,739.0	12.4	10.4	-146.62	-21.6	-233.7	396.9	376.2	20.63	19.236
3,800.0	3,755.3	3,872.9	3,831.1	12.9	10.8	-146.00	-3.1	-247.3	397.1	375.9	21.25	18.690
3,895.0	3,848.1	3,967.8	3,923.2	13.3	11.2	-145.37	15.4	-260.9	397.5	375.6	21.86	18.181
3,900.0	3,853.0	3,972.8	3,928.0	13.3	11.3	-145.34	16.4	-261.6	397.5	375.6	21.89	18.155
3,990.0	3,940.8	4,062.7	4,015.2	13.7	11.7	-144.75	33.9	-274.5	397.8	375.4	22.47	17.706
4,000.0	3,950.6	4,072.6	4,024.9	13.7	11.7	-144.68	35.8	-275.9	397.9	375.3	22.53	17.658
4,085.0	4,033.6	4,157.6	4,107.3	14.1	12.1	-144.13	52.4	-288.1	398.3	375.2	23.06	17.269
4,088.3	4,036.8	4,160.8	4,110.5	14.1	12.1	-144.10	53.0	-288.5	398.3	375.2	23.08	17.254
4,100.0	4,048.2	4,172.5	4,121.9	14.2	12.2	-144.03	55.3	-290.2	398.3	375.2	23.15	17.205
4,180.0	4,126.6	4,252.4	4,199.3	14.5	12.5	-143.37	70.9	-301.6	397.5	373.9	23.64	16.816
4,200.0	4,146.3	4,272.4	4,218.7	14.6	12.6	-143.17	74.8	-304.5	397.1	373.3	23.76	16.715
4,275.0	4,220.2	4,347.1	4,291.2	15.0	13.0	-142.31	89.4	-315.2	394.4	370.3	24.15	16.332
4,300.0	4,245.0	4,372.0	4,315.3	15.1	13.1	-141.97	94.2	-318.7	393.2	368.9	24.27	16.201
4,370.0	4,314.4	4,441.5	4,382.8	15.4	13.4	-140.91	107.8	-328.7	388.9	364.4	24.56	15.836
4,400.0	4,344.2	4,471.2	4,411.7	15.5	13.5	-140.40	113.6	-333.0	386.8	362.1	24.67	15.677
4,465.0	4,408.9	4,535.5	4,474.0	15.8	13.8	-139.15	126.1	-342.2	381.3	356.5	24.85	15.342
4,500.0	4,443.7	4,570.0	4,507.5	15.9	14.0	-138.40	132.9	-347.1	378.0	353.1	24.93	15.162
4,560.0	4,503.6	4,629.0	4,564.8	16.2	14.3	-136.97	144.4	-355.5	371.7	346.7	25.00	14.868
4,600.0	4,543.6	4,668.3	4,602.8	16.3	14.4	-135.92	152.0	-361.2	367.1	342.1	25.01	14.677
4,655.0	4,598.5	4,722.0	4,655.0	16.5	14.7	-134.32	162.5	-368.8	360.4	335.5	24.96	14.440
4,700.0	4,643.5	4,765.8	4,697.5	16.6	14.9	-132.88	171.0	-375.1	354.6	329.7	24.87	14.257
4,713.5	4,657.0	4,778.9	4,710.2	16.6	15.0	-159.26	173.6	-377.0	352.8	328.0	24.82	14.215
4,750.0	4,693.5	4,814.3	4,744.6	16.6	15.1	-158.07	180.5	-382.1	347.9	323.3	24.66	14.111
4,800.0	4,743.5	4,862.8	4,791.6	16.6	15.4	-156.38	190.0	-389.0	341.6	317.2	24.42	13.988
4,845.0	4,788.5	4,906.5	4,834.0	16.7	15.6	-154.81	198.5	-395.2	336.1	311.9	24.19	13.895

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7065-r.5 MWD+IFR1+MS						Rule Assigned:					Offset Well Error:	3.0 usft
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	(usft)	(usft)			
4,900.0	4,843.5	4,959.9	4,885.8	16.7	15.8	-152.83	208.9	-402.9	329.8	305.9	23.89	13.807		
4,940.0	4,883.5	4,998.7	4,923.4	16.7	16.0	-151.34	216.5	-408.4	325.5	301.8	23.65	13.761		
5,000.0	4,943.5	5,056.9	4,979.9	16.8	16.3	-149.04	227.8	-416.8	319.5	296.2	23.29	13.720		
5,035.0	4,978.5	5,090.8	5,012.9	16.8	16.4	-147.66	234.4	-421.6	316.2	293.1	23.06	13.711		
5,100.0	5,043.5	5,153.9	5,074.1	16.8	16.7	-145.03	246.7	-430.7	310.7	288.0	22.64	13.721		
5,130.0	5,073.5	5,183.0	5,102.3	16.8	16.9	-143.79	252.4	-434.8	308.3	285.9	22.45	13.737		
5,200.0	5,143.5	5,250.9	5,168.2	16.9	17.2	-140.83	265.7	-444.5	303.5	281.5	22.00	13.796		
5,225.0	5,168.5	5,275.2	5,191.8	16.9	17.3	-139.75	270.4	-448.0	302.0	280.2	21.85	13.823		
5,300.0	5,243.5	5,348.0	5,262.4	16.9	17.6	-136.45	284.6	-458.4	298.2	276.8	21.43	13.916		
5,320.0	5,263.5	5,367.4	5,281.2	16.9	17.7	-135.56	288.4	-461.2	297.3	276.0	21.33	13.942		
5,400.0	5,343.5	5,445.0	5,356.5	17.0	18.1	-131.95	303.5	-472.3	294.7	273.7	20.99	14.040		
5,415.0	5,358.5	5,459.6	5,370.6	17.0	18.2	-131.27	306.4	-474.4	294.4	273.4	20.95	14.055		
5,500.0	5,443.5	5,542.0	5,450.7	17.0	18.6	-127.39	322.4	-486.2	293.3	272.5	20.77	14.117		
5,510.0	5,453.5	5,551.7	5,460.1	17.0	18.6	-126.93	324.3	-487.6	293.2	272.5	20.77	14.120		
5,524.3	5,467.8	5,565.6	5,473.5	17.1	18.7	-126.27	327.0	-489.6	293.2	272.4	20.76	14.123	CC, ES	
5,600.0	5,543.5	5,639.1	5,544.8	17.1	19.0	-122.80	341.4	-500.1	293.8	272.9	20.83	14.105		
5,605.0	5,548.5	5,643.9	5,549.5	17.1	19.1	-122.58	342.3	-500.8	293.9	273.0	20.84	14.102		
5,700.0	5,643.5	5,736.1	5,639.0	17.2	19.5	-118.26	360.3	-514.0	296.3	275.1	21.18	13.986		
5,795.0	5,738.5	5,828.3	5,728.4	17.2	19.9	-114.04	378.3	-527.2	300.4	278.6	21.79	13.785		
5,800.0	5,743.5	5,833.1	5,733.1	17.2	20.0	-113.82	379.2	-527.9	300.7	278.9	21.83	13.772		
5,890.0	5,833.5	5,920.4	5,817.8	17.3	20.4	-109.95	396.2	-540.4	306.3	283.6	22.63	13.533		
5,900.0	5,843.5	5,930.1	5,827.3	17.3	20.4	-109.53	398.1	-541.8	307.0	284.2	22.73	13.505		
5,985.0	5,928.5	6,014.5	5,909.2	17.3	20.8	-106.02	414.3	-553.6	313.5	289.9	23.62	13.272		
6,000.0	5,943.5	6,029.7	5,924.0	17.3	20.9	-105.44	417.0	-555.6	314.7	290.9	23.79	13.230		
6,080.0	6,023.5	6,111.5	6,004.1	17.4	21.3	-102.61	430.6	-565.6	321.1	296.4	24.66	13.019		
6,100.0	6,043.5	6,132.1	6,024.3	17.4	21.4	-101.98	433.7	-567.9	322.7	297.8	24.87	12.972		
6,175.0	6,118.5	6,209.8	6,100.8	17.4	21.7	-99.85	444.5	-575.8	328.2	302.6	25.63	12.809		
6,200.0	6,143.5	6,235.9	6,126.6	17.4	21.9	-99.22	447.7	-578.2	330.0	304.1	25.86	12.761		
6,270.0	6,213.5	6,309.2	6,199.2	17.5	22.2	-97.69	455.8	-584.1	334.5	308.0	26.47	12.639		
6,300.0	6,243.5	6,340.8	6,230.6	17.5	22.3	-97.12	458.9	-586.3	336.2	309.5	26.70	12.594		
6,365.0	6,308.5	6,409.5	6,298.9	17.5	22.6	-96.10	464.5	-590.4	339.5	312.3	27.15	12.503		
6,400.0	6,343.5	6,446.6	6,335.9	17.6	22.8	-95.65	467.0	-592.3	341.0	313.6	27.36	12.461		
6,460.0	6,403.5	6,510.4	6,399.6	17.6	23.0	-95.05	470.3	-594.7	343.0	315.3	27.67	12.394		
6,500.0	6,443.5	6,553.0	6,442.2	17.6	23.2	-94.77	471.9	-595.9	344.0	316.1	27.84	12.357		
6,555.0	6,498.5	6,611.7	6,500.8	17.6	23.3	-94.52	473.3	-596.9	344.8	316.8	28.01	12.312		
6,600.0	6,543.5	6,659.8	6,548.8	17.7	23.4	-94.45	473.7	-597.2	345.1	317.0	28.07	12.294		
6,650.0	6,593.5	6,710.1	6,599.2	17.7	23.4	-94.45	473.7	-597.2	345.1	316.9	28.12	12.270		
6,700.0	6,643.5	6,760.1	6,649.2	17.7	23.4	-94.45	473.7	-597.2	345.1	316.9	28.19	12.240		
6,745.0	6,688.5	6,805.1	6,694.2	17.8	23.5	-94.45	473.7	-597.2	345.1	316.8	28.25	12.213		
6,800.0	6,743.5	6,860.1	6,749.2	17.8	23.5	-94.45	473.7	-597.2	345.1	316.7	28.33	12.180		
6,840.0	6,783.5	6,900.1	6,789.2	17.8	23.5	-94.45	473.7	-597.2	345.1	316.7	28.38	12.157		
6,900.0	6,843.5	6,960.1	6,849.2	17.8	23.5	-94.45	473.7	-597.2	345.1	316.6	28.47	12.121		
6,935.0	6,878.5	6,995.1	6,884.2	17.9	23.5	-94.45	473.7	-597.2	345.1	316.5	28.52	12.101		
7,000.0	6,943.5	7,060.1	6,949.2	17.9	23.6	-94.45	473.7	-597.2	345.1	316.5	28.59	12.069		
7,030.0	6,973.5	7,087.2	6,976.3	17.9	23.6	-94.52	473.3	-597.3	345.2	316.5	28.64	12.053	SF	
7,100.0	7,043.5	7,150.0	7,038.8	18.0	23.6	-95.47	467.5	-598.1	346.6	318.1	28.52	12.152		
7,125.0	7,068.5	7,170.1	7,058.6	18.0	23.6	-96.00	464.2	-598.6	347.6	319.2	28.46	12.216		
7,200.0	7,143.5	7,232.7	7,119.4	18.0	23.7	-98.34	449.6	-600.6	352.4	324.4	28.02	12.578		
7,220.0	7,163.5	7,250.0	7,135.9	18.0	23.7	-99.16	444.4	-601.4	354.2	326.4	27.84	12.722		
7,300.0	7,243.5	7,310.0	7,191.7	18.1	23.7	-102.50	422.6	-604.4	364.4	337.1	27.24	13.378		
7,315.0	7,258.5	7,320.9	7,201.5	18.1	23.7	-103.19	418.1	-605.1	366.8	339.7	27.11	13.529		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #504H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7065-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	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)	Separation (usft)		
7,400.0	7,343.5	7,378.9	7,252.5	18.1	23.8	-107.15	390.7	-609.0	384.7	358.2	26.47	14.533	
7,410.0	7,353.5	7,385.3	7,257.9	18.2	23.8	-107.62	387.3	-609.4	387.3	360.9	26.40	14.668	
7,500.0	7,443.5	7,439.0	7,302.1	18.2	23.8	-111.69	357.1	-613.7	415.0	389.1	25.90	16.023	
7,505.0	7,448.5	7,441.7	7,304.3	18.2	23.8	-111.91	355.4	-614.0	416.8	390.9	25.88	16.106	
7,600.0	7,543.5	7,490.8	7,341.7	18.3	23.8	-115.78	324.1	-618.4	455.5	430.0	25.58	17.809	
7,695.0	7,638.5	7,533.2	7,371.9	18.3	23.9	-119.14	294.6	-622.6	503.0	477.5	25.49	19.736	
7,700.0	7,643.5	7,535.2	7,373.3	18.3	23.9	-119.30	293.1	-622.8	505.7	480.2	25.49	19.843	
7,790.0	7,733.5	7,569.8	7,396.0	18.4	23.9	-121.99	267.4	-626.4	558.0	532.5	25.54	21.848	
7,800.0	7,743.5	7,573.3	7,398.3	18.4	23.9	-122.26	264.7	-626.8	564.2	538.7	25.55	22.079	
7,885.0	7,828.5	7,600.0	7,414.6	18.4	23.9	-124.28	243.8	-629.7	619.5	593.8	25.70	24.099	
7,900.0	7,843.5	7,600.0	7,414.6	18.4	23.9	-124.28	243.8	-629.7	629.7	604.0	25.76	24.445	
7,980.0	7,923.5	7,629.1	7,431.3	18.5	23.9	-126.42	220.3	-633.1	686.1	660.2	25.91	26.477	
8,000.0	7,943.5	7,634.4	7,434.3	18.5	23.9	-126.80	215.8	-633.7	700.7	674.8	25.96	26.988	
8,075.0	8,018.5	7,650.0	7,442.6	18.6	24.0	-127.91	202.8	-635.5	757.1	730.9	26.18	28.920	
8,100.0	8,043.5	7,650.0	7,442.6	18.6	24.0	-127.91	202.8	-635.5	776.4	750.2	26.27	29.559	
8,170.0	8,113.5	7,674.3	7,454.8	18.6	24.0	-129.58	182.0	-638.5	831.4	805.0	26.45	31.439	
8,200.0	8,143.5	7,680.4	7,457.8	18.6	24.0	-129.99	176.7	-639.2	855.6	829.0	26.54	32.241	
8,265.0	8,208.5	7,700.0	7,466.8	18.7	24.0	-131.28	159.5	-641.7	908.7	882.0	26.72	34.005	
8,300.0	8,243.5	7,700.0	7,466.8	18.7	24.0	-131.28	159.5	-641.7	937.7	910.9	26.85	34.932	
8,360.0	8,303.5	7,700.0	7,466.8	18.7	24.0	-131.28	159.5	-641.7	988.4	961.3	27.05	36.535	
8,400.0	8,343.5	7,715.9	7,473.7	18.8	24.0	-132.29	145.3	-643.7	1,022.3	995.2	27.17	37.634	
8,455.0	8,398.5	7,724.3	7,477.2	18.8	24.0	-132.81	137.7	-644.7	1,069.7	1,042.4	27.34	39.122	
8,500.0	8,443.5	7,730.7	7,479.8	18.8	24.0	-133.21	131.9	-645.6	1,108.9	1,081.4	27.49	40.341	
8,550.0	8,493.5	7,750.0	7,487.2	18.8	24.0	-134.37	114.3	-648.1	1,153.0	1,125.4	27.64	41.713	
8,600.0	8,543.5	7,750.0	7,487.2	18.9	24.0	-134.37	114.3	-648.1	1,197.1	1,169.3	27.81	43.048	
8,645.0	8,588.5	7,750.0	7,487.2	18.9	24.0	-134.37	114.3	-648.1	1,237.2	1,209.3	27.96	44.249	
8,700.0	8,643.5	7,750.0	7,487.2	18.9	24.0	-134.37	114.3	-648.1	1,286.7	1,258.5	28.14	45.719	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7437-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	5.5	5.5	3.0	3.0	179.83	179.83	-300.0	0.9	300.0				
95.0	95.0	100.5	100.5	3.0	3.0	179.83	179.83	-300.0	0.9	300.0	294.0	6.02	49.850	
100.0	100.0	105.5	105.5	3.0	3.0	179.83	179.83	-300.0	0.9	300.0	294.0	6.02	49.825	
190.0	190.0	195.5	195.5	3.1	3.0	179.83	179.83	-300.0	0.9	300.0	293.9	6.13	48.907	
200.0	200.0	205.5	205.5	3.1	3.0	179.83	179.83	-300.0	0.9	300.0	293.8	6.15	48.762	
285.0	285.0	290.5	290.5	3.3	3.0	179.83	179.83	-300.0	0.9	300.0	293.7	6.27	47.882	
300.0	300.0	305.5	305.5	3.3	3.0	179.83	179.83	-300.0	0.9	300.0	293.7	6.29	47.707	
380.0	380.0	385.5	385.5	3.4	3.0	179.83	179.83	-300.0	0.9	300.0	293.6	6.40	46.883	
400.0	400.0	405.5	405.5	3.4	3.0	179.83	179.83	-300.0	0.9	300.0	293.6	6.43	46.663	
475.0	475.0	480.5	480.5	3.5	3.0	179.83	179.83	-300.0	0.9	300.0	293.5	6.54	45.896	
500.0	500.0	505.5	505.5	3.5	3.1	179.83	179.83	-300.0	0.9	300.0	293.4	6.57	45.630	
570.0	570.0	575.5	575.5	3.6	3.1	179.83	179.83	-300.0	0.9	300.0	293.3	6.68	44.922	
600.0	600.0	605.5	605.5	3.6	3.1	179.83	179.83	-300.0	0.9	300.0	293.3	6.72	44.610	
665.0	665.0	670.5	670.5	3.7	3.1	179.83	179.83	-300.0	0.9	300.0	293.2	6.82	43.961	
700.0	700.0	705.5	705.5	3.8	3.1	179.83	179.83	-300.0	0.9	300.0	293.1	6.88	43.605	
760.0	760.0	765.5	765.5	3.8	3.1	179.83	179.83	-300.0	0.9	300.0	293.0	6.97	43.015	
800.0	800.0	805.5	805.5	3.9	3.2	179.83	179.83	-300.0	0.9	300.0	293.0	7.04	42.617	
855.0	855.0	860.5	860.5	4.0	3.2	179.83	179.83	-300.0	0.9	300.0	292.9	7.13	42.085	
900.0	900.0	905.5	905.5	4.0	3.2	179.83	179.83	-300.0	0.9	300.0	292.8	7.20	41.647	
950.0	950.0	955.5	955.5	4.1	3.2	179.83	179.83	-300.0	0.9	300.0	292.7	7.29	41.172	
1,000.0	1,000.0	1,005.5	1,005.5	4.1	3.2	179.83	179.83	-300.0	0.9	300.0	292.6	7.37	40.696	
1,045.0	1,045.0	1,050.5	1,050.5	4.2	3.3	179.83	179.83	-300.0	0.9	300.0	292.6	7.45	40.278	
1,100.0	1,100.0	1,105.5	1,105.5	4.2	3.3	179.83	179.83	-300.0	0.9	300.0	292.5	7.54	39.767	
1,140.0	1,140.0	1,145.5	1,145.5	4.3	3.3	179.83	179.83	-300.0	0.9	300.0	292.4	7.61	39.403	
1,200.0	1,200.0	1,205.5	1,205.5	4.4	3.4	179.83	179.83	-300.0	0.9	300.0	292.3	7.72	38.859	
1,235.0	1,235.0	1,240.5	1,240.5	4.4	3.4	179.83	179.83	-300.0	0.9	300.0	292.2	7.78	38.548	
1,300.0	1,300.0	1,305.5	1,305.5	4.5	3.4	179.83	179.83	-300.0	0.9	300.0	292.1	7.90	37.973	
1,330.0	1,330.0	1,335.5	1,335.5	4.5	3.4	179.83	179.83	-300.0	0.9	300.0	292.0	7.95	37.713	
1,400.0	1,400.0	1,405.5	1,405.5	4.6	3.5	179.83	179.83	-300.0	0.9	300.0	291.9	8.08	37.110	
1,425.0	1,425.0	1,430.5	1,430.5	4.6	3.5	179.83	179.83	-300.0	0.9	300.0	291.9	8.13	36.900	
1,500.0	1,500.0	1,505.5	1,505.5	4.7	3.6	179.83	179.83	-300.0	0.9	300.0	291.7	8.27	36.271	
1,520.0	1,520.0	1,525.5	1,525.5	4.8	3.6	-153.34	-153.34	-300.0	0.9	300.1	291.7	8.32	36.062	
1,600.0	1,600.0	1,605.5	1,605.5	4.9	3.6	-153.47	-153.47	-300.0	0.9	301.6	293.0	8.52	35.379	
1,615.0	1,615.0	1,620.5	1,620.5	4.9	3.6	-153.52	-153.52	-300.0	0.9	302.1	293.5	8.57	35.242	
1,700.0	1,699.8	1,705.3	1,705.3	5.2	3.7	-153.87	-153.87	-300.0	0.9	306.3	297.4	8.84	34.630	
1,710.0	1,709.8	1,715.3	1,715.3	5.2	3.7	-153.92	-153.92	-300.0	0.9	306.9	298.0	8.88	34.573	
1,800.0	1,799.5	1,805.0	1,805.0	5.4	3.8	-154.50	-154.50	-300.0	0.9	314.1	304.9	9.18	34.213	
1,805.0	1,804.4	1,809.9	1,809.9	5.5	3.8	-154.54	-154.54	-300.0	0.9	314.6	305.4	9.20	34.199	
1,900.0	1,898.7	1,904.2	1,904.2	5.7	3.9	-155.33	-155.33	-300.0	0.9	325.2	315.6	9.54	34.085	
1,995.0	1,992.5	1,998.0	1,998.0	6.0	3.9	-156.26	-156.26	-300.0	0.9	338.7	328.8	9.90	34.200	
2,000.0	1,997.5	2,003.4	2,003.4	6.0	3.9	-156.32	-156.32	-300.0	0.9	339.5	329.5	9.93	34.194	
2,090.0	2,085.8	2,104.2	2,104.2	6.4	4.2	-157.44	-157.44	-298.1	0.6	353.5	343.0	10.46	33.780	
2,100.0	2,095.6	2,115.4	2,115.4	6.4	4.2	-157.57	-157.57	-297.7	0.6	355.0	344.5	10.53	33.708	
2,125.2	2,120.2	2,143.8	2,143.7	6.4	4.3	-157.89	-157.89	-296.4	0.4	358.9	348.2	10.67	33.646	
2,185.0	2,178.6	2,211.4	2,211.2	6.6	4.5	-158.72	-158.72	-292.3	-0.2	367.3	356.3	11.02	33.327	
2,200.0	2,193.3	2,228.4	2,228.1	6.6	4.6	-158.92	-158.92	-291.0	-0.4	369.2	358.1	11.11	33.230	
2,280.0	2,271.4	2,319.6	2,318.9	6.9	4.9	-159.94	-159.94	-282.4	-1.7	377.9	366.2	11.64	32.469	
2,300.0	2,290.9	2,342.5	2,341.7	6.9	5.0	-160.19	-160.19	-279.8	-2.1	379.7	367.9	11.77	32.250	
2,375.0	2,364.1	2,428.6	2,427.0	7.2	5.2	-161.09	-161.09	-268.3	-3.8	385.0	372.7	12.29	31.318	
2,400.0	2,388.5	2,457.4	2,455.4	7.3	5.3	-161.39	-161.39	-264.0	-4.5	386.3	373.8	12.47	30.976	
2,470.0	2,456.9	2,538.1	2,534.9	7.5	5.6	-162.20	-162.20	-250.2	-6.5	388.6	375.7	12.93	30.065	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0														Offset Site Error: 0.0 usft	
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7437-r.5 MWD+IFR1+MS														Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Between	Distance	Minimum	Separation			
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)				
2,500.0	2,486.2	2,569.7	2,565.9	7.6	5.7	-162.52	-244.2	-7.4	389.1	376.0	13.10	29.709			
2,565.0	2,549.6	2,634.5	2,629.6	7.8	5.8	-163.17	-232.0	-9.2	390.2	376.7	13.51	28.876			
2,600.0	2,583.8	2,669.4	2,663.8	7.9	5.9	-163.52	-225.4	-10.2	390.8	377.1	13.75	28.415			
2,660.0	2,642.4	2,729.3	2,722.6	8.2	6.1	-164.11	-214.1	-11.9	391.9	377.7	14.18	27.640			
2,700.0	2,681.4	2,769.2	2,761.8	8.3	6.3	-164.50	-206.6	-13.0	392.6	378.1	14.46	27.141			
2,755.0	2,735.1	2,824.0	2,815.6	8.5	6.4	-165.04	-196.2	-14.6	393.6	378.7	14.87	26.473			
2,800.0	2,779.0	2,868.9	2,859.7	8.7	6.6	-165.48	-187.7	-15.8	394.5	379.3	15.20	25.946			
2,850.0	2,827.9	2,918.8	2,908.6	8.9	6.8	-165.96	-178.3	-17.2	395.5	379.9	15.58	25.377			
2,900.0	2,876.7	2,968.7	2,957.6	9.1	7.0	-166.45	-168.9	-18.6	396.5	380.5	15.97	24.830			
2,945.0	2,920.6	3,013.6	3,001.7	9.3	7.1	-166.88	-160.4	-19.9	397.4	381.1	16.32	24.354			
3,000.0	2,974.3	3,068.4	3,055.5	9.5	7.3	-167.41	-150.1	-21.5	398.6	381.9	16.75	23.795			
3,040.0	3,013.4	3,108.3	3,094.7	9.6	7.5	-167.79	-142.6	-22.6	399.5	382.4	17.07	23.402			
3,100.0	3,071.9	3,168.2	3,153.5	9.9	7.7	-168.35	-131.3	-24.3	400.8	383.3	17.55	22.836			
3,135.0	3,106.1	3,203.1	3,187.7	10.0	7.8	-168.68	-124.7	-25.2	401.7	383.8	17.84	22.518			
3,200.0	3,169.6	3,267.9	3,251.4	10.3	8.1	-169.29	-112.4	-27.1	403.2	384.8	18.37	21.950			
3,230.0	3,198.8	3,297.9	3,280.8	10.4	8.2	-169.57	-106.8	-27.9	403.9	385.3	18.62	21.698			
3,300.0	3,267.2	3,367.7	3,349.3	10.7	8.5	-170.21	-93.6	-29.9	405.6	386.4	19.20	21.132			
3,325.0	3,291.6	3,392.6	3,373.8	10.8	8.6	-170.44	-88.9	-30.6	406.3	386.9	19.40	20.938			
3,400.0	3,364.8	3,467.5	3,447.2	11.1	8.9	-171.13	-74.8	-32.7	408.2	388.2	20.03	20.377			
3,420.0	3,384.3	3,487.4	3,466.8	11.2	9.0	-171.31	-71.0	-33.3	408.7	388.5	20.20	20.234			
3,500.0	3,462.4	3,567.2	3,545.1	11.6	9.3	-172.03	-55.9	-35.5	410.8	390.0	20.87	19.681			
3,515.0	3,477.1	3,582.2	3,559.8	11.6	9.3	-172.17	-53.1	-35.9	411.3	390.2	21.00	19.581			
3,600.0	3,560.1	3,667.0	3,643.1	12.0	9.7	-172.92	-37.1	-38.3	413.6	391.9	21.72	19.039			
3,610.0	3,569.8	3,676.9	3,652.9	12.0	9.7	-173.01	-35.2	-38.6	413.9	392.1	21.81	18.977			
3,700.0	3,657.7	3,766.7	3,741.0	12.4	10.1	-173.80	-18.3	-41.1	416.5	393.9	22.58	18.446			
3,705.0	3,662.6	3,771.7	3,745.9	12.4	10.1	-173.85	-17.3	-41.3	416.6	394.0	22.62	18.417			
3,800.0	3,755.3	3,866.5	3,838.9	12.9	10.5	-174.67	0.5	-43.9	419.4	396.0	23.43	17.898			
3,895.0	3,848.1	3,961.2	3,931.9	13.3	10.9	-175.48	18.4	-46.6	422.3	398.1	24.25	17.415			
3,900.0	3,853.0	3,966.2	3,936.8	13.3	11.0	-175.52	19.4	-46.7	422.5	398.2	24.29	17.391			
3,990.0	3,940.8	4,056.0	4,025.0	13.7	11.3	-176.28	36.3	-49.3	425.3	400.2	25.06	16.967			
4,000.0	3,950.6	4,066.0	4,034.8	13.7	11.4	-176.37	38.2	-49.5	425.6	400.4	25.15	16.922			
4,085.0	4,033.6	4,150.8	4,118.0	14.1	11.8	-177.07	54.2	-51.9	428.3	402.5	25.87	16.555			
4,088.3	4,036.8	4,154.1	4,121.2	14.1	11.8	-177.10	54.8	-52.0	428.4	402.5	25.90	16.542			
4,100.0	4,048.2	4,165.7	4,132.7	14.2	11.8	-177.20	57.0	-52.3	428.8	402.8	26.00	16.495			
4,180.0	4,126.6	4,245.6	4,211.0	14.5	12.2	-177.84	72.1	-54.6	430.0	403.3	26.70	16.104			
4,200.0	4,146.3	4,265.5	4,230.6	14.6	12.2	-178.00	75.9	-55.2	430.0	403.1	26.88	15.997			
4,275.0	4,220.2	4,340.4	4,304.1	15.0	12.6	-178.60	90.0	-57.3	428.6	401.1	27.52	15.574			
4,300.0	4,245.0	4,365.3	4,328.6	15.1	12.7	-178.80	94.7	-58.0	427.7	400.0	27.74	15.422			
4,370.0	4,314.4	4,435.1	4,397.1	15.4	13.0	-179.35	107.9	-59.9	424.1	395.8	28.32	14.978			
4,400.0	4,344.2	4,465.0	4,426.4	15.5	13.1	-179.59	113.5	-60.8	422.1	393.5	28.57	14.776			
4,465.0	4,408.9	4,529.6	4,489.9	15.8	13.4	-179.88	125.7	-62.6	416.6	387.5	29.08	14.326			
4,500.0	4,443.7	4,564.4	4,524.0	15.9	13.6	-179.58	132.3	-63.6	413.1	383.7	29.36	14.070			
4,560.0	4,503.6	4,623.9	4,582.4	16.2	13.8	-179.07	143.5	-65.2	406.0	376.2	29.80	13.623			
4,600.0	4,543.6	4,663.4	4,621.2	16.3	14.0	-178.71	151.0	-66.4	400.6	370.5	30.10	13.311			
4,655.0	4,598.5	4,717.7	4,674.5	16.5	14.2	-178.20	161.2	-67.9	392.4	361.9	30.46	12.883			
4,700.0	4,643.5	4,762.0	4,717.9	16.6	14.4	-177.75	169.6	-69.1	384.9	354.1	30.75	12.518			
4,713.5	4,657.0	4,775.2	4,730.9	16.6	14.5	-150.78	172.1	-69.5	382.5	351.7	30.81	12.416			
4,750.0	4,693.5	4,811.1	4,766.1	16.6	14.7	-150.41	178.8	-70.5	376.0	345.0	30.95	12.148			
4,800.0	4,743.5	4,860.1	4,814.3	16.6	14.9	-149.87	188.1	-71.9	367.1	335.9	31.14	11.788			
4,845.0	4,788.5	4,904.3	4,857.7	16.7	15.1	-149.37	196.4	-73.1	359.1	327.8	31.31	11.468			
4,900.0	4,843.5	4,958.3	4,910.7	16.7	15.3	-148.72	206.6	-74.7	349.3	317.8	31.51	11.086			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0											Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7437-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	
4,940.0	4,883.5	4,997.6	4,949.2	16.7	15.5	148.23	214.0	-75.8	342.3	310.6	31.65	10.814
5,000.0	4,943.5	5,056.5	5,007.0	16.8	15.7	147.45	225.1	-77.4	331.8	299.9	31.86	10.414
5,035.0	4,978.5	5,090.8	5,040.8	16.8	15.9	146.97	231.6	-78.4	325.7	293.7	31.97	10.185
5,100.0	5,043.5	5,154.6	5,103.4	16.8	16.2	146.03	243.7	-80.2	314.4	282.2	32.18	9.771
5,130.0	5,073.5	5,184.1	5,132.3	16.8	16.3	145.58	249.2	-81.0	309.2	277.0	32.26	9.584
5,200.0	5,143.5	5,252.8	5,199.7	16.9	16.6	144.46	262.2	-82.9	297.2	264.8	32.45	9.158
5,225.0	5,168.5	5,277.3	5,223.8	16.9	16.7	144.03	266.8	-83.6	293.0	260.4	32.52	9.010
5,300.0	5,243.5	5,350.9	5,296.1	16.9	17.1	142.69	280.7	-85.7	280.3	247.6	32.68	8.577
5,320.0	5,263.5	5,370.6	5,315.4	16.9	17.2	142.31	284.4	-86.3	276.9	244.2	32.72	8.464
5,400.0	5,343.5	5,449.1	5,392.5	17.0	17.5	140.70	299.3	-88.5	263.7	230.8	32.84	8.028
5,415.0	5,358.5	5,463.8	5,406.9	17.0	17.6	140.38	302.0	-88.9	261.2	228.3	32.86	7.948
5,500.0	5,443.5	5,547.3	5,488.8	17.0	18.0	138.44	317.8	-91.2	247.4	214.5	32.93	7.513
5,510.0	5,453.5	5,557.1	5,498.5	17.0	18.0	138.20	319.6	-91.5	245.8	212.8	32.93	7.464
5,600.0	5,543.5	5,645.4	5,585.2	17.1	18.4	135.88	336.3	-94.0	231.5	198.6	32.90	7.037
5,605.0	5,548.5	5,650.3	5,590.0	17.1	18.4	135.75	337.2	-94.1	230.7	197.9	32.90	7.014
5,700.0	5,643.5	5,743.6	5,681.5	17.2	18.8	132.96	354.8	-96.8	216.2	183.5	32.75	6.602
5,795.0	5,738.5	5,836.9	5,773.1	17.2	19.3	129.78	372.4	-99.4	202.2	169.8	32.44	6.233
5,800.0	5,743.5	5,841.8	5,777.9	17.2	19.3	129.60	373.4	-99.5	201.5	169.1	32.42	6.215
5,890.0	5,833.5	5,929.2	5,863.7	17.3	19.7	126.22	389.7	-102.0	189.1	157.1	31.95	5.918
5,900.0	5,843.5	5,938.8	5,873.2	17.3	19.7	125.83	391.5	-102.2	187.8	155.9	31.89	5.889
5,985.0	5,928.5	6,020.7	5,953.8	17.3	20.1	122.50	405.7	-104.3	177.6	146.3	31.31	5.673
6,000.0	5,943.5	6,035.2	5,968.1	17.3	20.2	121.90	408.1	-104.7	175.9	144.8	31.19	5.640
6,080.0	6,023.5	6,112.7	6,044.6	17.4	20.5	118.68	420.3	-106.5	167.9	137.4	30.55	5.496
6,100.0	6,043.5	6,132.1	6,063.8	17.4	20.6	117.87	423.2	-107.0	166.1	135.7	30.38	5.468
6,175.0	6,118.5	6,205.2	6,136.1	17.4	20.9	114.85	433.5	-108.5	159.9	130.2	29.71	5.382
6,200.0	6,143.5	6,229.6	6,160.3	17.4	21.0	113.85	436.7	-109.0	158.1	128.6	29.49	5.362
6,270.0	6,213.5	6,298.0	6,228.2	17.5	21.3	111.12	445.3	-110.3	153.5	124.7	28.85	5.320
6,300.0	6,243.5	6,327.4	6,257.4	17.5	21.4	109.98	448.7	-110.8	151.8	123.2	28.59	5.310
6,365.0	6,308.5	6,391.3	6,320.9	17.5	21.7	107.60	455.6	-111.8	148.5	120.5	28.03	5.298
6,400.0	6,343.5	6,425.7	6,355.1	17.6	21.8	106.38	459.1	-112.3	147.0	119.2	27.74	5.298
6,460.0	6,403.5	6,484.8	6,414.0	17.6	22.0	104.40	464.5	-113.1	144.7	117.4	27.29	5.302
6,500.0	6,443.5	6,524.3	6,453.3	17.6	22.2	103.17	467.8	-113.6	143.4	116.4	27.02	5.308
6,555.0	6,498.5	6,578.7	6,507.5	17.6	22.4	101.61	471.9	-114.2	141.9	115.2	26.68	5.318
6,600.0	6,543.5	6,623.2	6,552.0	17.7	22.5	100.46	474.9	-114.7	140.9	114.4	26.45	5.327
6,650.0	6,593.5	6,672.7	6,601.4	17.7	22.7	99.32	477.8	-115.1	140.0	113.7	26.23	5.335
6,700.0	6,643.5	6,722.3	6,650.9	17.7	22.9	98.33	480.3	-115.5	139.2	113.1	26.06	5.341
6,745.0	6,688.5	6,767.0	6,695.5	17.8	23.0	97.57	482.2	-115.8	138.7	112.7	25.94	5.344
6,800.0	6,743.5	6,821.6	6,750.1	17.8	23.2	96.83	484.1	-116.0	138.1	112.3	25.85	5.344
6,840.0	6,783.5	6,861.3	6,789.8	17.8	23.3	96.42	485.1	-116.2	137.9	112.1	25.82	5.341
6,900.0	6,843.5	6,920.9	6,849.5	17.8	23.5	96.01	486.1	-116.3	137.6	111.8	25.81	5.332
6,935.0	6,878.5	6,955.7	6,884.2	17.9	23.5	95.88	486.4	-116.4	137.5	111.7	25.83	5.325
6,980.3	6,923.8	7,000.8	6,929.3	17.9	23.6	95.84	486.5	-116.4	137.5	111.6	25.88	5.313
7,000.0	6,943.5	7,020.5	6,949.0	17.9	23.6	95.84	486.5	-116.4	137.5	111.6	25.91	5.307
7,030.0	6,973.5	7,050.5	6,979.0	17.9	23.6	95.84	486.5	-116.4	137.5	111.6	25.96	5.297
7,100.0	7,043.5	7,120.5	7,049.0	18.0	23.6	95.84	486.5	-116.4	137.5	111.4	26.07	5.276
7,125.0	7,068.5	7,145.5	7,074.0	18.0	23.6	95.84	486.5	-116.4	137.5	111.4	26.10	5.268
7,200.0	7,143.5	7,220.5	7,149.0	18.0	23.7	95.84	486.5	-116.4	137.5	111.3	26.22	5.245
7,220.0	7,163.5	7,240.5	7,169.0	18.0	23.7	95.84	486.5	-116.4	137.5	111.3	26.25	5.239
7,300.0	7,243.5	7,320.5	7,249.0	18.1	23.7	95.84	486.5	-116.4	137.5	111.1	26.37	5.214
7,315.0	7,258.5	7,335.5	7,264.0	18.1	23.7	95.84	486.5	-116.4	137.5	111.1	26.40	5.210
7,400.0	7,343.5	7,420.5	7,349.0	18.1	23.8	95.84	486.5	-116.4	137.5	111.0	26.52	5.186

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #521H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 2000-r.5 MWD+IFR1+MS, 7437-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Warning	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Distance				
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W		Between	Between	Minimum	Separation	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)		Centres	Ellipses	Separation	Factor	
										(usft)	(usft)	(usft)		
7,410.0	7,353.5	7,430.5	7,359.0	18.2	23.8	95.84	486.5	-116.4		137.5	111.0	26.53	5.184	CC, ES
7,500.0	7,443.5	7,518.2	7,446.4	18.2	23.8	98.18	480.8	-116.4		138.2	111.1	27.13	5.093	
7,505.0	7,448.5	7,523.0	7,451.2	18.2	23.8	98.47	480.1	-116.5		138.3	111.1	27.20	5.084	
7,600.0	7,543.5	7,611.0	7,536.9	18.3	23.9	106.35	460.4	-116.6		142.8	113.6	29.23	4.887	SF
7,695.0	7,638.5	7,691.4	7,611.7	18.3	24.0	116.96	431.2	-116.9		156.3	124.6	31.76	4.922	
7,700.0	7,643.5	7,695.4	7,615.3	18.3	24.0	117.53	429.4	-116.9		157.4	125.5	31.87	4.937	
7,790.0	7,733.5	7,762.4	7,673.8	18.4	24.1	127.31	396.8	-117.2		183.0	149.7	33.33	5.491	
7,800.0	7,743.5	7,769.3	7,679.6	18.4	24.1	128.30	393.1	-117.2		186.7	153.3	33.41	5.587	
7,885.0	7,828.5	7,823.8	7,723.7	18.4	24.2	135.75	361.2	-117.5		223.6	190.1	33.55	6.666	
7,900.0	7,843.5	7,832.6	7,730.5	18.4	24.2	136.88	355.6	-117.5		231.2	197.7	33.49	6.902	
7,980.0	7,923.5	7,876.2	7,763.1	18.5	24.2	142.09	326.6	-117.8		275.9	242.9	32.97	8.366	
8,000.0	7,943.5	7,886.2	7,770.2	18.5	24.2	143.19	319.7	-117.8		288.1	255.3	32.81	8.781	
8,075.0	8,018.5	7,920.8	7,794.0	18.6	24.3	146.73	294.5	-118.1		337.1	304.9	32.17	10.476	
8,100.0	8,043.5	7,931.4	7,801.0	18.6	24.3	147.74	286.6	-118.1		354.3	322.4	31.97	11.085	
8,170.0	8,113.5	7,950.0	7,812.9	18.6	24.3	149.41	272.2	-118.3		405.1	374.0	31.08	13.034	
8,200.0	8,143.5	7,969.5	7,824.8	18.6	24.3	151.05	256.8	-118.4		427.4	396.2	31.22	13.690	
8,265.0	8,208.5	8,000.0	7,842.4	18.7	24.3	153.39	231.9	-118.6		477.9	446.7	31.12	15.355	
8,300.0	8,243.5	8,000.0	7,842.4	18.7	24.3	153.39	231.9	-118.6		505.6	475.0	30.60	16.523	
8,360.0	8,303.5	8,019.1	7,852.7	18.7	24.3	154.71	215.9	-118.7		554.3	523.9	30.40	18.233	
8,400.0	8,343.5	8,029.6	7,858.2	18.8	24.4	155.41	206.9	-118.8		587.5	557.2	30.27	19.411	
8,455.0	8,398.5	8,050.0	7,868.4	18.8	24.4	156.68	189.2	-119.0		634.0	603.7	30.26	20.947	
8,500.0	8,443.5	8,050.0	7,868.4	18.8	24.4	156.68	189.2	-119.0		672.4	642.5	29.96	22.445	
8,550.0	8,493.5	8,064.1	7,875.0	18.8	24.4	157.50	176.7	-119.1		715.7	685.8	29.95	23.895	
8,600.0	8,543.5	8,074.1	7,879.5	18.9	24.4	158.06	167.8	-119.2		759.6	729.7	29.91	25.398	
8,645.0	8,588.5	8,082.5	7,883.2	18.9	24.4	158.51	160.2	-119.2		799.4	769.5	29.88	26.749	
8,700.0	8,643.5	8,100.0	7,890.5	18.9	24.4	159.41	144.3	-119.4		848.6	818.7	29.99	28.300	
8,740.0	8,683.5	8,100.0	7,890.5	19.0	24.4	159.41	144.3	-119.4		884.6	854.7	29.91	29.575	
8,800.0	8,743.5	8,100.0	7,890.5	19.0	24.4	159.41	144.3	-119.4		939.1	909.3	29.84	31.470	
8,835.0	8,778.5	8,100.0	7,890.5	19.0	24.4	159.41	144.3	-119.4		971.2	941.4	29.82	32.564	
8,900.0	8,843.5	8,122.0	7,898.9	19.1	24.4	160.45	124.0	-119.5		1,030.7	1,000.6	30.04	34.312	
8,930.0	8,873.5	8,125.9	7,900.4	19.1	24.4	160.63	120.4	-119.6		1,058.4	1,028.3	30.08	35.185	
9,000.0	8,943.5	8,150.0	7,908.6	19.1	24.4	161.67	97.8	-119.8		1,123.6	1,093.3	30.32	37.054	
9,025.0	8,968.5	8,150.0	7,908.6	19.1	24.4	161.67	97.8	-119.8		1,146.8	1,116.5	30.34	37.800	
9,100.0	9,043.5	8,150.0	7,908.6	19.2	24.4	161.67	97.8	-119.8		1,216.8	1,186.4	30.41	40.013	
9,120.0	9,063.5	8,150.0	7,908.6	19.2	24.4	161.67	97.8	-119.8		1,235.6	1,205.1	30.44	40.597	
9,200.0	9,143.5	8,150.0	7,908.6	19.3	24.4	161.67	97.8	-119.8		1,311.0	1,280.4	30.56	42.906	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8486-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	148.65	-148.4	90.4	173.8				
95.0	95.0	97.0	97.0	3.0	3.0	148.65	-148.4	90.4	173.8	167.7	6.04	28.783	
100.0	100.0	102.0	102.0	3.0	3.0	148.65	-148.4	90.4	173.8	167.7	6.04	28.757	
190.0	190.0	192.0	192.0	3.1	3.1	148.65	-148.4	90.4	173.8	167.5	6.26	27.758	
200.0	200.0	202.0	202.0	3.1	3.1	148.65	-148.4	90.4	173.8	167.5	6.29	27.610	
285.0	285.0	287.0	287.0	3.3	3.3	148.65	-148.4	90.4	173.8	167.3	6.50	26.737	
300.0	300.0	302.0	302.0	3.3	3.3	148.65	-148.4	90.4	173.8	167.2	6.54	26.570	
380.0	380.0	382.0	382.0	3.4	3.4	148.65	-148.4	90.4	173.8	167.0	6.73	25.815	
400.0	400.0	402.0	402.0	3.4	3.4	148.65	-148.4	90.4	173.8	167.0	6.78	25.619	
475.0	475.0	477.0	477.0	3.5	3.5	148.65	-148.4	90.4	173.8	166.8	6.96	24.966	
500.0	500.0	502.0	502.0	3.5	3.5	148.65	-148.4	90.4	173.8	166.7	7.02	24.745	
570.0	570.0	572.0	572.0	3.6	3.6	148.65	-148.4	90.4	173.8	166.6	7.19	24.181	
600.0	600.0	602.0	602.0	3.6	3.6	148.65	-148.4	90.4	173.8	166.5	7.26	23.939	
665.0	665.0	667.0	667.0	3.7	3.7	148.65	-148.4	90.4	173.8	166.4	7.41	23.452	
700.0	700.0	702.0	702.0	3.8	3.8	148.65	-148.4	90.4	173.8	166.3	7.49	23.191	
760.0	760.0	762.0	762.0	3.8	3.8	148.65	-148.4	90.4	173.8	166.1	7.63	22.773	
800.0	800.0	802.0	802.0	3.9	3.9	148.65	-148.4	90.4	173.8	166.0	7.72	22.496	
855.0	855.0	857.0	857.0	4.0	4.0	148.65	-148.4	90.4	173.8	165.9	7.85	22.137	
900.0	900.0	902.0	902.0	4.0	4.0	148.65	-148.4	90.4	173.8	165.8	7.95	21.847	
950.0	950.0	952.0	952.0	4.1	4.1	148.65	-148.4	90.4	173.8	165.7	8.07	21.541	
1,000.0	1,000.0	1,002.0	1,002.0	4.1	4.1	148.65	-148.4	90.4	173.8	165.6	8.18	21.239	
1,045.0	1,045.0	1,047.0	1,047.0	4.2	4.2	148.65	-148.4	90.4	173.8	165.5	8.28	20.981	
1,100.0	1,100.0	1,102.0	1,102.0	4.2	4.2	148.65	-148.4	90.4	173.8	165.4	8.41	20.669	
1,140.0	1,140.0	1,142.0	1,142.0	4.3	4.3	148.65	-148.4	90.4	173.8	165.3	8.50	20.453	
1,200.0	1,200.0	1,202.0	1,202.0	4.4	4.4	148.65	-148.4	90.4	173.8	165.1	8.63	20.133	
1,235.0	1,235.0	1,237.0	1,237.0	4.4	4.4	148.65	-148.4	90.4	173.8	165.1	8.71	19.954	
1,300.0	1,300.0	1,302.0	1,302.0	4.5	4.5	148.65	-148.4	90.4	173.8	164.9	8.85	19.627	
1,330.0	1,330.0	1,332.0	1,332.0	4.5	4.5	148.65	-148.4	90.4	173.8	164.8	8.92	19.482	
1,400.0	1,400.0	1,402.0	1,402.0	4.6	4.6	148.65	-148.4	90.4	173.8	164.7	9.07	19.149	
1,425.0	1,425.0	1,427.0	1,427.0	4.6	4.6	148.65	-148.4	90.4	173.8	164.6	9.13	19.034	
1,436.8	1,436.8	1,438.8	1,438.8	4.6	4.6	148.65	-148.4	90.4	173.8	164.6	9.16	18.980 CC	
1,500.0	1,500.0	1,502.0	1,502.0	4.7	4.7	148.65	-148.4	90.4	173.8	164.5	9.29	18.695 ES	
1,520.0	1,520.0	1,521.9	1,521.9	4.8	4.7	175.46	-148.4	90.5	173.8	164.5	9.35	18.588	
1,600.0	1,600.0	1,601.6	1,601.6	4.9	4.9	174.94	-147.5	92.0	175.6	166.0	9.58	18.327	
1,615.0	1,615.0	1,616.6	1,616.5	4.9	4.9	174.77	-147.3	92.5	176.2	166.6	9.64	18.273	
1,700.0	1,699.8	1,700.9	1,700.8	5.2	5.1	173.42	-145.0	96.6	181.2	171.2	9.99	18.139 SF	
1,710.0	1,709.8	1,710.8	1,710.6	5.2	5.1	173.22	-144.7	97.2	182.0	171.9	10.03	18.142	
1,800.0	1,799.5	1,799.5	1,799.0	5.4	5.3	171.10	-140.9	104.1	190.7	180.3	10.40	18.340	
1,805.0	1,804.4	1,804.4	1,803.8	5.5	5.3	170.97	-140.7	104.6	191.3	180.9	10.42	18.360	
1,900.0	1,898.7	1,897.1	1,895.8	5.7	5.6	168.24	-135.3	114.5	204.5	193.7	10.82	18.901	
1,995.0	1,992.5	1,988.5	1,986.1	6.0	5.9	165.27	-128.6	126.9	221.8	210.6	11.24	19.743	
2,000.0	1,997.5	1,993.3	1,990.8	6.0	5.9	165.11	-128.2	127.6	222.8	211.6	11.26	19.795	
2,090.0	2,085.8	2,078.4	2,074.5	6.4	6.2	162.25	-120.6	141.5	243.3	231.6	11.66	20.859	
2,100.0	2,095.6	2,087.8	2,083.7	6.4	6.2	161.93	-119.7	143.2	245.8	234.1	11.71	20.993	
2,125.2	2,120.2	2,111.3	2,106.7	6.4	6.3	161.14	-117.4	147.5	252.3	240.5	11.79	21.401	
2,185.0	2,178.6	2,166.8	2,160.8	6.6	6.5	159.38	-111.5	158.3	268.5	256.5	12.01	22.350	
2,200.0	2,193.3	2,180.7	2,174.3	6.6	6.6	158.94	-110.0	161.1	272.6	260.6	12.07	22.590	
2,280.0	2,271.4	2,256.0	2,247.4	6.9	6.8	156.62	-101.3	177.1	295.2	282.8	12.41	23.783	
2,300.0	2,290.9	2,275.0	2,265.8	6.9	6.9	156.09	-99.1	181.1	301.0	288.5	12.50	24.073	
2,375.0	2,364.1	2,346.1	2,334.8	7.2	7.1	154.26	-90.9	196.2	322.6	309.7	12.85	25.111	
2,400.0	2,388.5	2,369.8	2,357.8	7.3	7.2	153.70	-88.2	201.3	329.9	316.9	12.96	25.446	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8486-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,470.0	2,456.9	2,436.3	2,422.3	7.5	7.4	152.26	-80.5	215.4	350.4	337.1	13.30	26.338		
2,500.0	2,486.2	2,464.7	2,449.9	7.6	7.5	151.69	-77.2	221.5	359.2	345.8	13.45	26.707		
2,565.0	2,549.6	2,526.4	2,509.7	7.8	7.7	150.55	-70.1	234.6	378.5	364.7	13.78	27.466		
2,600.0	2,583.8	2,559.6	2,542.0	7.9	7.8	149.98	-66.3	241.6	389.0	375.0	13.96	27.860		
2,660.0	2,642.4	2,616.5	2,597.2	8.2	8.0	149.08	-59.7	253.7	406.9	392.6	14.28	28.501		
2,700.0	2,681.4	2,654.5	2,634.0	8.3	8.2	148.52	-55.3	261.8	419.0	404.5	14.49	28.911		
2,755.0	2,735.1	2,706.7	2,684.7	8.5	8.4	147.79	-49.3	272.9	435.5	420.8	14.79	29.449		
2,800.0	2,779.0	2,749.4	2,726.1	8.7	8.5	147.24	-44.3	282.0	449.2	434.1	15.04	29.869		
2,850.0	2,827.9	2,796.8	2,772.1	8.9	8.7	146.67	-38.9	292.1	464.3	449.0	15.32	30.315		
2,900.0	2,876.7	2,844.2	2,818.2	9.1	8.9	146.13	-33.4	302.2	479.5	463.9	15.60	30.741		
2,945.0	2,920.6	2,886.9	2,859.6	9.3	9.1	145.67	-28.5	311.2	493.3	477.4	15.86	31.108		
3,000.0	2,974.3	2,939.1	2,910.2	9.5	9.3	145.15	-22.4	322.3	510.1	493.9	16.17	31.536		
3,040.0	3,013.4	2,977.1	2,947.0	9.6	9.4	144.79	-18.0	330.4	522.3	505.9	16.41	31.833		
3,100.0	3,071.9	3,034.0	3,002.3	9.9	9.7	144.28	-11.5	342.5	540.7	524.0	16.76	32.260		
3,135.0	3,106.1	3,067.2	3,034.5	10.0	9.8	144.00	-7.6	349.6	551.5	534.5	16.97	32.498		
3,200.0	3,169.6	3,128.9	3,094.3	10.3	10.1	143.50	-0.5	362.7	571.5	554.1	17.36	32.921		
3,230.0	3,198.8	3,157.3	3,122.0	10.4	10.2	143.29	2.8	368.7	580.7	563.2	17.54	33.108		
3,300.0	3,267.2	3,223.8	3,186.4	10.7	10.5	142.80	10.4	382.9	602.3	584.4	17.97	33.526		
3,325.0	3,291.6	3,247.5	3,209.4	10.8	10.6	142.64	13.2	387.9	610.1	591.9	18.12	33.668		
3,400.0	3,364.8	3,318.6	3,278.5	11.1	10.9	142.17	21.4	403.0	633.2	614.7	18.58	34.079		
3,420.0	3,384.3	3,337.6	3,296.9	11.2	11.0	142.05	23.6	407.1	639.4	620.7	18.71	34.183		
3,500.0	3,462.4	3,413.5	3,370.5	11.6	11.3	141.60	32.4	423.2	664.2	645.0	19.21	34.586		
3,515.0	3,477.1	3,427.8	3,384.3	11.6	11.3	141.52	34.0	426.2	668.9	649.6	19.30	34.658		
3,600.0	3,560.1	3,508.4	3,462.6	12.0	11.7	141.08	43.3	443.4	695.3	675.4	19.83	35.052		
3,610.0	3,569.8	3,517.9	3,471.8	12.0	11.7	141.03	44.4	445.4	698.4	678.5	19.90	35.097		
3,700.0	3,657.7	3,603.3	3,554.6	12.4	12.1	140.60	54.3	463.5	726.3	705.9	20.47	35.481		
3,705.0	3,662.6	3,608.0	3,559.2	12.4	12.1	140.58	54.8	464.6	727.9	707.4	20.50	35.502		
3,800.0	3,755.3	3,698.2	3,646.7	12.9	12.5	140.17	65.2	483.7	757.5	736.4	21.11	35.877		
3,895.0	3,848.1	3,788.3	3,734.2	13.3	12.9	139.78	75.6	502.9	787.1	765.3	21.73	36.225		
3,900.0	3,853.0	3,793.0	3,738.8	13.3	13.0	139.76	76.2	503.9	788.6	766.9	21.76	36.243		
3,990.0	3,940.8	3,878.4	3,821.6	13.7	13.3	139.43	86.1	522.1	816.7	794.3	22.35	36.548		
4,000.0	3,950.6	3,887.9	3,830.8	13.7	13.4	139.39	87.1	524.1	819.8	797.4	22.41	36.581		
4,085.0	4,033.6	3,968.6	3,909.1	14.1	13.8	139.09	96.5	541.2	846.4	823.4	22.96	36.862		
4,088.3	4,036.8	3,971.7	3,912.1	14.1	13.8	139.08	96.8	541.9	847.4	824.4	22.98	36.872		
4,100.0	4,048.2	3,982.8	3,922.9	14.2	13.8	139.09	98.1	544.2	851.0	828.0	23.05	36.917		
4,180.0	4,126.6	4,059.0	3,996.8	14.5	14.2	139.10	106.9	560.4	875.0	851.4	23.59	37.090		
4,200.0	4,146.3	4,078.1	4,015.3	14.6	14.2	139.08	109.1	564.5	880.7	857.0	23.73	37.121		
4,275.0	4,220.2	4,150.0	4,085.1	15.0	14.6	138.97	117.4	579.8	901.4	877.2	24.22	37.214		
4,300.0	4,245.0	4,174.0	4,108.4	15.1	14.7	138.92	120.2	584.9	908.0	883.6	24.39	37.230		
4,370.0	4,314.4	4,241.4	4,173.8	15.4	15.0	138.71	128.0	599.2	925.6	900.7	24.84	37.259		
4,400.0	4,344.2	4,270.3	4,201.8	15.5	15.1	138.60	131.3	605.4	932.7	907.7	25.04	37.257		
4,465.0	4,408.9	4,333.1	4,262.8	15.8	15.4	138.32	138.6	618.7	947.6	922.1	25.44	37.240		
4,500.0	4,443.7	4,367.0	4,295.6	15.9	15.6	138.14	142.5	625.9	955.1	929.5	25.66	37.215		
4,560.0	4,503.6	4,425.1	4,352.0	16.2	15.8	137.81	149.2	638.3	967.4	941.4	26.03	37.170		
4,600.0	4,543.6	4,463.9	4,389.7	16.3	16.0	137.56	153.7	646.5	975.1	948.9	26.27	37.123		
4,655.0	4,598.5	4,517.2	4,441.4	16.5	16.3	137.18	159.8	657.9	985.2	958.6	26.57	37.077		
4,700.0	4,643.5	4,560.9	4,483.8	16.6	16.5	136.84	164.9	667.2	992.9	966.1	26.82	37.020		
4,713.5	4,657.0	4,574.0	4,496.5	16.6	16.5	109.90	166.4	669.9	995.1	968.2	26.87	37.029		
4,750.0	4,693.5	4,609.4	4,530.9	16.6	16.7	109.53	170.5	677.5	1,001.1	974.1	27.02	37.053		
4,800.0	4,743.5	4,657.9	4,578.0	16.6	16.9	109.02	176.1	687.8	1,009.4	982.1	27.22	37.083		
4,845.0	4,788.5	4,701.6	4,620.3	16.7	17.1	108.58	181.1	697.1	1,016.9	989.5	27.41	37.104		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8486-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,843.5	4,755.0	4,672.1	16.7	17.4	108.04	187.3	708.4	1,026.1	998.5	27.64	37.128	
4,940.0	4,883.5	4,793.8	4,709.8	16.7	17.6	107.66	191.8	716.7	1,032.9	1,005.1	27.81	37.145	
5,000.0	4,943.5	4,852.0	4,766.2	16.8	17.8	107.09	198.5	729.0	1,043.2	1,015.1	28.05	37.188	
5,035.0	4,978.5	4,897.4	4,810.4	16.8	18.0	106.67	203.6	738.4	1,049.0	1,020.8	28.26	37.117	
5,100.0	5,043.5	4,983.7	4,894.7	16.8	18.4	105.96	212.3	754.5	1,058.9	1,030.2	28.69	36.915	
5,130.0	5,073.5	5,023.9	4,934.2	16.8	18.6	105.67	216.0	761.3	1,063.1	1,034.2	28.88	36.814	
5,200.0	5,143.5	5,118.5	5,027.4	16.9	19.1	105.07	223.5	775.2	1,071.6	1,042.3	29.30	36.566	
5,225.0	5,168.5	5,152.5	5,061.1	16.9	19.2	104.89	225.9	779.5	1,074.2	1,044.8	29.45	36.476	
5,300.0	5,243.5	5,255.2	5,163.0	16.9	19.7	104.43	231.9	790.5	1,080.9	1,051.0	29.87	36.193	
5,320.0	5,263.5	5,282.8	5,190.4	16.9	19.8	104.33	233.2	792.9	1,082.4	1,052.4	29.97	36.114	
5,400.0	5,343.5	5,393.4	5,300.7	17.0	20.2	104.04	237.2	800.3	1,086.8	1,056.4	30.35	35.805	
5,415.0	5,358.5	5,414.2	5,321.5	17.0	20.3	104.00	237.7	801.2	1,087.4	1,057.0	30.42	35.750	
5,500.0	5,443.5	5,532.2	5,439.5	17.0	20.6	103.88	239.3	804.1	1,089.1	1,058.4	30.69	35.483	
5,510.0	5,453.5	5,546.2	5,453.4	17.0	20.6	103.88	239.3	804.2	1,089.2	1,058.5	30.71	35.465	
5,600.0	5,543.5	5,638.3	5,545.5	17.1	20.7	103.88	239.3	804.2	1,089.2	1,058.4	30.81	35.355	
5,605.0	5,548.5	5,643.3	5,550.5	17.1	20.7	103.88	239.3	804.2	1,089.2	1,058.4	30.81	35.348	
5,700.0	5,643.5	5,738.3	5,645.5	17.2	20.7	103.88	239.3	804.2	1,089.2	1,058.3	30.92	35.221	
5,795.0	5,738.5	5,833.3	5,740.5	17.2	20.8	103.88	239.3	804.2	1,089.2	1,058.1	31.04	35.095	
5,800.0	5,743.5	5,838.3	5,745.5	17.2	20.8	103.88	239.3	804.2	1,089.2	1,058.1	31.04	35.088	
5,890.0	5,833.5	5,928.3	5,835.5	17.3	20.8	103.88	239.3	804.2	1,089.2	1,058.0	31.15	34.969	
5,900.0	5,843.5	5,938.3	5,845.5	17.3	20.8	103.88	239.3	804.2	1,089.2	1,058.0	31.16	34.956	
5,985.0	5,928.5	6,023.3	5,930.5	17.3	20.8	103.88	239.3	804.2	1,089.2	1,057.9	31.26	34.843	
6,000.0	5,943.5	6,038.3	5,945.5	17.3	20.8	103.88	239.3	804.2	1,089.2	1,057.9	31.28	34.823	
6,080.0	6,023.5	6,118.3	6,025.5	17.4	20.9	103.88	239.3	804.2	1,089.2	1,057.8	31.37	34.718	
6,100.0	6,043.5	6,138.3	6,045.5	17.4	20.9	103.88	239.3	804.2	1,089.2	1,057.8	31.40	34.692	
6,175.0	6,118.5	6,213.3	6,120.5	17.4	20.9	103.88	239.3	804.2	1,089.2	1,057.7	31.48	34.594	
6,200.0	6,143.5	6,238.3	6,145.5	17.4	20.9	103.88	239.3	804.2	1,089.2	1,057.7	31.51	34.561	
6,270.0	6,213.5	6,308.3	6,215.5	17.5	21.0	103.88	239.3	804.2	1,089.2	1,057.6	31.60	34.470	
6,300.0	6,243.5	6,338.3	6,245.5	17.5	21.0	103.88	239.3	804.2	1,089.2	1,057.5	31.63	34.431	
6,365.0	6,308.5	6,403.3	6,310.5	17.5	21.0	103.88	239.3	804.2	1,089.2	1,057.5	31.71	34.346	
6,400.0	6,343.5	6,438.3	6,345.5	17.6	21.0	103.88	239.3	804.2	1,089.2	1,057.4	31.75	34.301	
6,460.0	6,403.5	6,498.3	6,405.5	17.6	21.0	103.88	239.3	804.2	1,089.2	1,057.4	31.83	34.223	
6,500.0	6,443.5	6,538.3	6,445.5	17.6	21.1	103.88	239.3	804.2	1,089.2	1,057.3	31.87	34.172	
6,555.0	6,498.5	6,593.3	6,500.5	17.6	21.1	103.88	239.3	804.2	1,089.2	1,057.2	31.94	34.101	
6,600.0	6,543.5	6,638.3	6,545.5	17.7	21.1	103.88	239.3	804.2	1,089.2	1,057.2	31.99	34.043	
6,650.0	6,593.5	6,688.3	6,595.5	17.7	21.1	103.88	239.3	804.2	1,089.2	1,057.1	32.05	33.979	
6,700.0	6,643.5	6,738.3	6,645.5	17.7	21.1	103.88	239.3	804.2	1,089.2	1,057.1	32.11	33.915	
6,745.0	6,688.5	6,783.3	6,690.5	17.8	21.2	103.88	239.3	804.2	1,089.2	1,057.0	32.17	33.858	
6,800.0	6,743.5	6,838.3	6,745.5	17.8	21.2	103.88	239.3	804.2	1,089.2	1,056.9	32.24	33.788	
6,840.0	6,783.5	6,878.3	6,785.5	17.8	21.2	103.88	239.3	804.2	1,089.2	1,056.9	32.28	33.737	
6,900.0	6,843.5	6,938.3	6,845.5	17.8	21.2	103.88	239.3	804.2	1,089.2	1,056.8	32.36	33.661	
6,935.0	6,878.5	6,973.3	6,880.5	17.9	21.2	103.88	239.3	804.2	1,089.2	1,056.8	32.40	33.617	
7,000.0	6,943.5	7,038.3	6,945.5	17.9	21.3	103.88	239.3	804.2	1,089.2	1,056.7	32.48	33.535	
7,030.0	6,973.5	7,068.3	6,975.5	17.9	21.3	103.88	239.3	804.2	1,089.2	1,056.7	32.52	33.497	
7,100.0	7,043.5	7,138.3	7,045.5	18.0	21.3	103.88	239.3	804.2	1,089.2	1,056.6	32.60	33.409	
7,125.0	7,068.5	7,163.3	7,070.5	18.0	21.3	103.88	239.3	804.2	1,089.2	1,056.6	32.63	33.378	
7,200.0	7,143.5	7,238.3	7,145.5	18.0	21.4	103.88	239.3	804.2	1,089.2	1,056.5	32.72	33.284	
7,220.0	7,163.5	7,258.3	7,165.5	18.0	21.4	103.88	239.3	804.2	1,089.2	1,056.4	32.75	33.259	
7,300.0	7,243.5	7,338.3	7,245.5	18.1	21.4	103.88	239.3	804.2	1,089.2	1,056.3	32.85	33.160	
7,315.0	7,258.5	7,353.3	7,260.5	18.1	21.4	103.88	239.3	804.2	1,089.2	1,056.3	32.87	33.141	
7,400.0	7,343.5	7,438.3	7,345.5	18.1	21.5	103.88	239.3	804.2	1,089.2	1,056.2	32.97	33.036	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #706H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8486-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
7,410.0	7,353.5	7,448.3	7,355.5	18.2	21.5	103.88	239.3	804.2	1,089.2	1,056.2	32.98	33.023	
7,500.0	7,443.5	7,538.3	7,445.5	18.2	21.5	103.88	239.3	804.2	1,089.2	1,056.1	33.09	32.913	
7,505.0	7,448.5	7,543.3	7,450.5	18.2	21.5	103.88	239.3	804.2	1,089.2	1,056.1	33.10	32.906	
7,600.0	7,543.5	7,638.3	7,545.5	18.3	21.5	103.88	239.3	804.2	1,089.2	1,056.0	33.22	32.790	
7,695.0	7,638.5	7,733.3	7,640.5	18.3	21.6	103.88	239.3	804.2	1,089.2	1,055.8	33.33	32.674	
7,700.0	7,643.5	7,738.3	7,645.5	18.3	21.6	103.88	239.3	804.2	1,089.2	1,055.8	33.34	32.668	
7,790.0	7,733.5	7,828.3	7,735.5	18.4	21.6	103.88	239.3	804.2	1,089.2	1,055.7	33.45	32.558	
7,800.0	7,743.5	7,838.3	7,745.5	18.4	21.6	103.88	239.3	804.2	1,089.2	1,055.7	33.47	32.546	
7,885.0	7,828.5	7,923.3	7,830.5	18.4	21.7	103.88	239.3	804.2	1,089.2	1,055.6	33.57	32.444	
7,900.0	7,843.5	7,938.3	7,845.5	18.4	21.7	103.88	239.3	804.2	1,089.2	1,055.6	33.59	32.425	
7,980.0	7,923.5	8,018.3	7,925.5	18.5	21.7	103.88	239.3	804.2	1,089.2	1,055.5	33.69	32.329	
8,000.0	7,943.5	8,038.3	7,945.5	18.5	21.7	103.88	239.3	804.2	1,089.2	1,055.5	33.72	32.305	
8,075.0	8,018.5	8,113.3	8,020.5	18.6	21.8	103.88	239.3	804.2	1,089.2	1,055.4	33.81	32.215	
8,100.0	8,043.5	8,138.3	8,045.5	18.6	21.8	103.88	239.3	804.2	1,089.2	1,055.3	33.84	32.186	
8,170.0	8,113.5	8,208.3	8,115.5	18.6	21.8	103.88	239.3	804.2	1,089.2	1,055.3	33.93	32.102	
8,200.0	8,143.5	8,238.3	8,145.5	18.6	21.8	103.88	239.3	804.2	1,089.2	1,055.2	33.97	32.066	
8,265.0	8,208.5	8,303.3	8,210.5	18.7	21.9	103.88	239.3	804.2	1,089.2	1,055.1	34.05	31.989	
8,300.0	8,243.5	8,338.3	8,245.5	18.7	21.9	103.88	239.3	804.2	1,089.2	1,055.1	34.09	31.948	
8,360.0	8,303.5	8,398.3	8,305.5	18.7	21.9	103.88	239.3	804.2	1,089.2	1,055.0	34.17	31.877	
8,400.0	8,343.5	8,438.3	8,345.5	18.8	21.9	103.88	239.3	804.2	1,089.2	1,055.0	34.22	31.833	
8,406.3	8,349.8	8,444.6	8,351.8	18.8	21.9	103.88	239.3	804.2	1,089.2	1,055.0	34.22	31.826	
8,455.0	8,398.5	8,491.0	8,398.3	18.8	21.9	103.88	239.3	804.2	1,089.2	1,054.9	34.28	31.773	
8,500.0	8,443.5	8,522.2	8,429.4	18.8	22.0	103.93	238.1	804.2	1,089.6	1,055.2	34.33	31.735	
8,550.0	8,493.5	8,550.0	8,457.1	18.8	22.0	104.06	235.7	804.2	1,090.7	1,056.3	34.40	31.709	
8,600.0	8,543.5	8,590.5	8,497.2	18.9	22.0	104.36	229.8	804.1	1,092.5	1,058.1	34.44	31.723	
8,645.0	8,588.5	8,620.4	8,526.5	18.9	22.0	104.68	223.5	804.1	1,094.8	1,060.3	34.48	31.754	
8,700.0	8,643.5	8,650.0	8,555.0	18.9	22.0	105.07	215.9	804.0	1,098.6	1,064.0	34.53	31.815	
8,740.0	8,683.5	8,681.0	8,584.5	19.0	22.0	105.55	206.3	803.9	1,101.9	1,067.4	34.55	31.893	
8,800.0	8,743.5	8,717.2	8,618.2	19.0	22.0	106.21	193.2	803.8	1,108.1	1,073.5	34.59	32.037	
8,835.0	8,778.5	8,737.4	8,636.7	19.0	22.0	106.62	184.9	803.7	1,112.4	1,077.8	34.61	32.142	
8,900.0	8,843.5	8,773.3	8,668.6	19.1	22.1	107.43	168.7	803.6	1,121.7	1,087.0	34.64	32.382	
8,930.0	8,873.5	8,789.1	8,682.4	19.1	22.1	107.82	160.9	803.5	1,126.6	1,092.0	34.65	32.511	
9,000.0	8,943.5	8,824.0	8,711.9	19.1	22.1	108.72	142.4	803.3	1,139.8	1,105.1	34.68	32.864	
9,025.0	8,968.5	8,835.8	8,721.7	19.1	22.1	109.05	135.7	803.3	1,145.1	1,110.4	34.69	33.007	
9,100.0	9,043.5	8,869.3	8,748.5	19.2	22.1	110.02	115.7	803.1	1,162.8	1,128.1	34.72	33.491	
9,120.0	9,063.5	8,877.7	8,755.1	19.2	22.1	110.27	110.4	803.1	1,168.0	1,133.3	34.73	33.634	
9,200.0	9,143.5	8,900.0	8,772.1	19.3	22.1	110.96	96.0	802.9	1,191.0	1,156.2	34.77	34.252	
9,215.0	9,158.5	8,915.2	8,783.4	19.3	22.1	111.44	85.8	802.8	1,195.6	1,160.9	34.73	34.429	
9,239.5	9,183.0	8,924.2	8,789.9	19.3	22.2	111.73	79.6	802.8	1,203.5	1,168.8	34.67	34.713	
9,250.0	9,193.5	8,928.0	8,792.6	19.3	22.2	-68.32	77.0	802.8	1,206.9	1,172.3	34.67	34.816	
9,300.0	9,243.4	8,950.0	8,808.1	19.3	22.2	-66.07	61.3	802.6	1,223.2	1,188.5	34.67	35.283	
9,310.0	9,253.4	8,950.0	8,808.1	19.3	22.2	-65.76	61.3	802.6	1,226.4	1,191.7	34.67	35.368	
9,350.0	9,292.9	8,965.0	8,818.3	19.4	22.2	-64.14	50.3	802.5	1,239.0	1,204.3	34.69	35.716	
9,400.0	9,341.4	8,984.0	8,830.8	19.4	22.2	-62.24	36.0	802.4	1,254.2	1,219.5	34.72	36.124	
9,405.0	9,346.2	8,985.9	8,832.1	19.4	22.2	-62.06	34.5	802.4	1,255.7	1,221.0	34.72	36.163	
9,450.0	9,388.8	9,000.0	8,841.0	19.5	22.2	-60.56	23.6	802.3	1,268.7	1,233.9	34.77	36.492	
9,500.0	9,434.7	9,022.8	8,854.8	19.5	22.2	-58.89	5.5	802.1	1,282.2	1,247.4	34.82	36.826	
9,550.0	9,478.6	9,050.0	8,870.4	19.6	22.2	-57.33	-16.8	801.9	1,294.8	1,259.9	34.88	37.123	
9,595.0	9,516.2	9,050.0	8,870.4	19.7	22.2	-56.44	-16.8	801.9	1,305.1	1,270.2	34.98	37.309	
9,600.0	9,520.2	9,050.0	8,870.4	19.7	22.2	-56.35	-16.8	801.9	1,306.3	1,271.3	34.99	37.329	
9,650.0	9,559.3	9,082.3	8,887.5	19.7	22.3	-55.07	-44.2	801.7	1,316.3	1,281.2	35.08	37.525	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: Reference		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 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	
0.0	0.0	2.7	2.7	3.0	3.0	157.92	-148.9	60.4	160.7					
95.0	95.0	97.7	97.7	3.0	3.0	157.92	-148.9	60.4	160.7	154.6	6.04	26.615		
100.0	100.0	102.7	102.7	3.0	3.0	157.92	-148.9	60.4	160.7	154.6	6.04	26.589		
190.0	190.0	192.7	192.7	3.1	3.1	157.92	-148.9	60.4	160.7	154.4	6.26	25.660		
200.0	200.0	202.7	202.7	3.1	3.1	157.92	-148.9	60.4	160.7	154.4	6.30	25.525		
285.0	285.0	287.7	287.7	3.3	3.3	157.92	-148.9	60.4	160.7	154.2	6.50	24.711		
300.0	300.0	302.7	302.7	3.3	3.3	157.92	-148.9	60.4	160.7	154.1	6.54	24.556		
380.0	380.0	382.7	382.7	3.4	3.4	157.92	-148.9	60.4	160.7	153.9	6.74	23.851		
400.0	400.0	402.7	402.7	3.4	3.4	157.92	-148.9	60.4	160.7	153.9	6.79	23.669		
475.0	475.0	477.7	477.7	3.5	3.5	157.92	-148.9	60.4	160.7	153.7	6.97	23.058		
500.0	500.0	502.7	502.7	3.5	3.5	157.92	-148.9	60.4	160.7	153.7	7.03	22.851		
570.0	570.0	572.7	572.7	3.6	3.6	157.92	-148.9	60.4	160.7	153.5	7.20	22.323		
600.0	600.0	602.7	602.7	3.6	3.6	157.92	-148.9	60.4	160.7	153.4	7.27	22.095		
665.0	665.0	667.7	667.7	3.7	3.7	157.92	-148.9	60.4	160.7	153.3	7.43	21.638		
700.0	700.0	702.7	702.7	3.8	3.8	157.92	-148.9	60.4	160.7	153.2	7.51	21.393		
760.0	760.0	762.7	762.7	3.8	3.8	157.92	-148.9	60.4	160.7	153.0	7.65	21.000		
800.0	800.0	802.7	802.7	3.9	3.9	157.92	-148.9	60.4	160.7	152.9	7.75	20.739		
855.0	855.0	857.7	857.7	4.0	4.0	157.92	-148.9	60.4	160.7	152.8	7.88	20.402		
900.0	900.0	902.7	902.7	4.0	4.0	157.92	-148.9	60.4	160.7	152.7	7.98	20.128		
950.0	950.0	952.7	952.7	4.1	4.1	157.92	-148.9	60.4	160.7	152.6	8.10	19.840		
1,000.0	1,000.0	1,002.7	1,002.7	4.1	4.1	157.92	-148.9	60.4	160.7	152.5	8.22	19.556		
1,045.0	1,045.0	1,047.7	1,047.7	4.2	4.2	157.92	-148.9	60.4	160.7	152.4	8.32	19.312		
1,100.0	1,100.0	1,102.7	1,102.7	4.2	4.2	157.92	-148.9	60.4	160.7	152.2	8.45	19.018		
1,140.0	1,140.0	1,142.7	1,142.7	4.3	4.3	157.92	-148.9	60.4	160.7	152.1	8.54	18.814		
1,200.0	1,200.0	1,202.7	1,202.7	4.4	4.4	157.92	-148.9	60.4	160.7	152.0	8.68	18.512		
1,235.0	1,235.0	1,237.7	1,237.7	4.4	4.4	157.92	-148.9	60.4	160.7	151.9	8.76	18.343		
1,300.0	1,300.0	1,302.7	1,302.7	4.5	4.5	157.92	-148.9	60.4	160.7	151.8	8.91	18.034		
1,330.0	1,330.0	1,332.7	1,332.7	4.5	4.5	157.92	-148.9	60.4	160.7	151.7	8.98	17.897		
1,400.0	1,400.0	1,402.7	1,402.7	4.6	4.6	157.92	-148.9	60.4	160.7	151.5	9.14	17.583		
1,425.0	1,425.0	1,427.7	1,427.7	4.6	4.6	157.92	-148.9	60.4	160.7	151.5	9.20	17.475		
1,500.0	1,500.0	1,502.8	1,502.8	4.7	4.7	157.92	-148.9	60.4	160.7	151.3	9.37	17.153		
1,503.6	1,503.6	1,506.5	1,506.5	4.7	4.7	-175.25	-148.9	60.4	160.7	151.3	9.38	17.130 CC		
1,520.0	1,520.0	1,523.4	1,523.4	4.8	4.8	-175.28	-148.8	60.5	160.7	151.3	9.43	17.035 ES		
1,600.0	1,600.0	1,606.0	1,605.9	4.9	4.9	-175.88	-147.3	61.5	161.4	151.7	9.69	16.647		
1,615.0	1,615.0	1,621.4	1,621.4	4.9	4.9	-176.07	-146.8	61.8	161.6	151.9	9.76	16.559		
1,700.0	1,699.8	1,708.9	1,708.7	5.2	5.2	-177.67	-142.6	64.7	163.7	153.6	10.13	16.156		
1,710.0	1,709.8	1,719.2	1,719.0	5.2	5.2	-177.91	-142.0	65.1	164.0	153.8	10.18	16.118		
1,800.0	1,799.5	1,811.5	1,810.8	5.4	5.5	179.49	-134.9	69.9	167.9	157.3	10.57	15.889		
1,805.0	1,804.4	1,816.6	1,815.9	5.5	5.5	179.32	-134.5	70.2	168.2	157.6	10.59	15.881		
1,900.0	1,898.7	1,913.4	1,912.0	5.7	5.7	175.79	-124.3	77.2	174.4	163.4	10.98	15.879		
1,995.0	1,992.5	2,008.1	2,005.6	6.0	5.9	171.95	-112.2	85.4	183.4	172.1	11.31	16.214		
2,000.0	1,997.5	2,013.1	2,010.4	6.0	5.9	171.76	-111.6	85.8	184.0	172.7	11.34	16.234		
2,090.0	2,085.8	2,101.6	2,097.9	6.4	6.1	168.59	-100.2	93.6	196.2	184.5	11.73	16.728		
2,100.0	2,095.6	2,111.5	2,107.6	6.4	6.2	168.27	-98.9	94.5	197.8	186.0	11.77	16.797		
2,125.2	2,120.2	2,136.2	2,132.0	6.4	6.2	167.50	-95.7	96.7	201.8	190.0	11.85	17.035		
2,185.0	2,178.6	2,194.8	2,190.0	6.6	6.4	165.83	-88.1	101.9	211.9	199.9	12.06	17.577		
2,200.0	2,193.3	2,209.5	2,204.5	6.6	6.5	165.44	-86.2	103.2	214.5	202.4	12.11	17.712		
2,280.0	2,271.4	2,288.0	2,282.0	6.9	6.7	163.49	-76.1	110.1	228.3	215.9	12.43	18.364		
2,300.0	2,290.9	2,307.6	2,301.3	6.9	6.7	163.04	-73.5	111.8	231.8	219.3	12.51	18.524		
2,375.0	2,364.1	2,381.1	2,374.0	7.2	7.0	161.47	-64.0	118.3	245.0	232.1	12.83	19.101		
2,400.0	2,388.5	2,405.7	2,398.2	7.3	7.1	160.98	-60.9	120.4	249.4	236.5	12.93	19.289		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1														Offset Site Error: 0.0 usft	
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS						Rule Assigned:		Offset Well Error: 3.0 usft					
Measured	Reference	Offset	Semi Major Axis			Offset Wellbore Centre		Distance		Minimum		Separation		Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor			
2,470.0	2,456.9	2,474.3	2,466.0	7.5	7.3	159.70	-52.0	126.5	261.9	248.7	13.23	19.795			
2,500.0	2,486.2	2,503.7	2,495.0	7.6	7.4	159.18	-48.2	129.1	267.3	253.9	13.36	20.007			
2,565.0	2,549.6	2,567.5	2,558.0	7.8	7.6	158.14	-39.9	134.7	279.1	265.4	13.65	20.447			
2,600.0	2,583.8	2,601.8	2,591.9	7.9	7.7	157.62	-35.5	137.7	285.4	271.6	13.80	20.679			
2,660.0	2,642.4	2,660.6	2,650.0	8.2	7.9	156.77	-27.9	142.9	296.4	282.3	14.07	21.060			
2,700.0	2,681.4	2,699.8	2,688.8	8.3	8.1	156.24	-22.8	146.4	303.7	289.5	14.25	21.308			
2,755.0	2,735.1	2,753.8	2,742.0	8.5	8.2	155.54	-15.9	151.1	313.9	299.4	14.51	21.635			
2,800.0	2,779.0	2,797.9	2,785.6	8.7	8.4	155.01	-10.2	155.0	322.2	307.5	14.71	21.896			
2,850.0	2,827.9	2,846.9	2,834.0	8.9	8.6	154.45	-3.8	159.3	331.5	316.5	14.95	22.175			
2,900.0	2,876.7	2,896.0	2,882.5	9.1	8.8	153.92	2.5	163.7	340.8	325.6	15.18	22.447			
2,945.0	2,920.6	2,940.1	2,926.0	9.3	8.9	153.47	8.2	167.6	349.2	333.8	15.39	22.682			
3,000.0	2,974.3	2,994.0	2,979.3	9.5	9.1	152.94	15.2	172.3	359.5	343.8	15.65	22.962			
3,040.0	3,013.4	3,033.2	3,018.1	9.6	9.3	152.58	20.3	175.8	367.0	351.1	15.85	23.158			
3,100.0	3,071.9	3,092.1	3,076.2	9.9	9.5	152.06	27.9	181.0	378.2	362.1	16.13	23.444			
3,135.0	3,106.1	3,126.4	3,110.1	10.0	9.6	151.77	32.3	184.0	384.8	368.5	16.30	23.605			
3,200.0	3,169.6	3,190.1	3,173.0	10.3	9.9	151.26	40.5	189.6	397.1	380.5	16.62	23.896			
3,230.0	3,198.8	3,219.6	3,202.1	10.4	10.0	151.04	44.3	192.2	402.8	386.0	16.76	24.026			
3,300.0	3,267.2	3,288.2	3,269.9	10.7	10.3	150.54	53.2	198.3	416.0	398.9	17.11	24.320			
3,325.0	3,291.6	3,312.7	3,294.1	10.8	10.4	150.36	56.4	200.4	420.8	403.5	17.23	24.422			
3,400.0	3,364.8	3,386.3	3,366.7	11.1	10.7	149.87	65.9	206.9	435.0	417.4	17.60	24.718			
3,420.0	3,384.3	3,405.9	3,386.1	11.2	10.7	149.75	68.4	208.6	438.8	421.1	17.70	24.795			
3,500.0	3,462.4	3,484.3	3,463.6	11.6	11.0	149.27	78.6	215.5	454.1	436.0	18.10	25.092			
3,515.0	3,477.1	3,499.0	3,478.1	11.6	11.1	149.18	80.5	216.8	456.9	438.8	18.17	25.147			
3,600.0	3,560.1	3,582.4	3,560.4	12.0	11.4	148.71	91.2	224.2	473.1	454.6	18.60	25.445			
3,610.0	3,569.8	3,592.2	3,570.1	12.0	11.5	148.65	92.5	225.1	475.1	456.4	18.65	25.479			
3,700.0	3,657.7	3,680.5	3,657.3	12.4	11.8	148.19	103.9	232.8	492.3	473.2	19.10	25.776			
3,705.0	3,662.6	3,685.4	3,662.1	12.4	11.9	148.17	104.6	233.3	493.2	474.1	19.12	25.792			
3,800.0	3,755.3	3,778.5	3,754.1	12.9	12.2	147.71	116.6	241.5	511.4	491.8	19.60	26.089			
3,895.0	3,848.1	3,871.7	3,846.2	13.3	12.6	147.29	128.6	249.7	529.7	509.6	20.09	26.370			
3,900.0	3,853.0	3,876.6	3,851.0	13.3	12.6	147.27	129.3	250.1	530.6	510.5	20.11	26.385			
3,990.0	3,940.8	3,964.8	3,938.2	13.7	13.0	146.90	140.7	257.9	547.9	527.4	20.57	26.636			
4,000.0	3,950.6	3,974.6	3,947.9	13.7	13.0	146.86	141.9	258.8	549.8	529.2	20.62	26.664			
4,085.0	4,033.6	4,058.0	4,030.2	14.1	13.4	146.53	152.7	266.1	566.2	545.2	21.05	26.899			
4,088.3	4,036.8	4,061.2	4,033.4	14.1	13.4	146.52	153.1	266.4	566.8	545.8	21.07	26.908			
4,100.0	4,048.2	4,072.7	4,044.7	14.2	13.4	146.50	154.6	267.4	569.1	548.0	21.12	26.945			
4,180.0	4,126.6	4,151.3	4,122.4	14.5	13.8	146.29	164.8	274.3	583.3	561.8	21.54	27.081			
4,200.0	4,146.3	4,171.0	4,141.8	14.6	13.9	146.22	167.3	276.1	586.6	564.9	21.64	27.102			
4,275.0	4,220.2	4,245.3	4,215.2	15.0	14.2	145.89	176.9	282.6	597.9	575.9	22.00	27.171			
4,300.0	4,245.0	4,270.3	4,239.9	15.1	14.3	145.77	179.9	284.7	601.3	579.1	22.13	27.175			
4,370.0	4,314.4	4,340.3	4,309.2	15.4	14.5	145.43	188.0	290.2	609.8	587.3	22.45	27.158			
4,400.0	4,344.2	4,370.4	4,339.0	15.5	14.7	145.28	191.3	292.4	613.0	590.4	22.59	27.130			
4,465.0	4,408.9	4,435.7	4,403.8	15.8	14.9	144.95	197.9	296.9	619.1	596.2	22.88	27.053			
4,500.0	4,443.7	4,470.9	4,438.8	15.9	15.1	144.76	201.2	299.2	621.8	598.8	23.04	26.991			
4,560.0	4,503.6	4,531.4	4,499.0	16.2	15.3	144.42	206.6	302.8	625.6	602.4	23.28	26.875			
4,600.0	4,543.6	4,571.7	4,539.2	16.3	15.5	144.19	209.8	305.0	627.6	604.2	23.44	26.776			
4,655.0	4,598.5	4,627.3	4,594.5	16.5	15.7	143.85	213.9	307.8	629.6	605.9	23.62	26.649			
4,700.0	4,643.5	4,672.8	4,639.9	16.6	15.8	143.56	216.9	309.9	630.5	606.7	23.77	26.521			
4,713.5	4,657.0	4,686.5	4,653.5	16.6	15.9	116.64	217.8	310.5	630.6	606.8	23.80	26.503			
4,750.0	4,693.5	4,723.5	4,690.4	16.6	16.0	116.40	219.9	311.9	631.0	607.1	23.85	26.460			
4,800.0	4,743.5	4,774.2	4,741.0	16.6	16.2	116.12	222.6	313.7	631.4	607.5	23.92	26.398			
4,845.0	4,788.5	4,819.8	4,786.6	16.7	16.3	115.89	224.6	315.1	631.8	607.8	23.99	26.334			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,843.5	4,875.7	4,842.4	16.7	16.5	115.66	226.7	316.6	632.2	608.1	24.08	26.252	
4,940.0	4,883.5	4,916.3	4,883.0	16.7	16.7	115.53	228.0	317.4	632.4	608.2	24.15	26.189	
5,000.0	4,943.5	4,977.3	4,944.0	16.8	16.8	115.37	229.4	318.4	632.7	608.4	24.25	26.093	
5,035.0	4,978.5	5,012.9	4,979.6	16.8	16.9	115.31	230.0	318.8	632.8	608.5	24.30	26.035	
5,100.0	5,043.5	5,079.1	5,045.7	16.8	17.1	115.24	230.6	319.3	632.9	608.5	24.41	25.924	
5,130.0	5,073.5	5,109.6	5,076.2	16.8	17.1	115.23	230.7	319.3	632.9	608.4	24.46	25.878	
5,200.0	5,143.5	5,179.6	5,146.2	16.9	17.2	115.23	230.7	319.3	632.9	608.3	24.55	25.774	
5,225.0	5,168.5	5,204.6	5,171.2	16.9	17.2	115.23	230.7	319.3	632.9	608.3	24.59	25.737	
5,300.0	5,243.5	5,279.6	5,246.2	16.9	17.2	115.23	230.7	319.3	632.9	608.2	24.70	25.618	
5,320.0	5,263.5	5,299.6	5,266.2	16.9	17.2	115.23	230.7	319.3	632.9	608.2	24.74	25.586	
5,400.0	5,343.5	5,379.6	5,346.2	17.0	17.3	115.23	230.7	319.3	632.9	608.0	24.86	25.461	
5,415.0	5,358.5	5,394.6	5,361.2	17.0	17.3	115.23	230.7	319.3	632.9	608.0	24.88	25.438	
5,500.0	5,443.5	5,479.6	5,446.2	17.0	17.3	115.23	230.7	319.3	632.9	607.9	25.01	25.306	
5,510.0	5,453.5	5,489.6	5,456.2	17.0	17.3	115.23	230.7	319.3	632.9	607.9	25.02	25.291	
5,600.0	5,543.5	5,579.6	5,546.2	17.1	17.4	115.23	230.7	319.3	632.9	607.7	25.16	25.153	
5,605.0	5,548.5	5,584.6	5,551.2	17.1	17.4	115.23	230.7	319.3	632.9	607.7	25.17	25.145	
5,700.0	5,643.5	5,679.6	5,646.2	17.2	17.4	115.23	230.7	319.3	632.9	607.6	25.31	25.001	
5,795.0	5,738.5	5,774.6	5,741.2	17.2	17.5	115.23	230.7	319.3	632.9	607.4	25.46	24.859	
5,800.0	5,743.5	5,779.6	5,746.2	17.2	17.5	115.23	230.7	319.3	632.9	607.4	25.47	24.852	
5,890.0	5,833.5	5,869.6	5,836.2	17.3	17.5	115.23	230.7	319.3	632.9	607.3	25.60	24.718	
5,900.0	5,843.5	5,879.6	5,846.2	17.3	17.6	115.23	230.7	319.3	632.9	607.3	25.62	24.704	
5,985.0	5,928.5	5,964.6	5,931.2	17.3	17.6	115.23	230.7	319.3	632.9	607.1	25.75	24.579	
6,000.0	5,943.5	5,979.6	5,946.2	17.3	17.6	115.23	230.7	319.3	632.9	607.1	25.77	24.557	
6,080.0	6,023.5	6,059.6	6,026.2	17.4	17.7	115.23	230.7	319.3	632.9	607.0	25.89	24.442	
6,100.0	6,043.5	6,079.6	6,046.2	17.4	17.7	115.23	230.7	319.3	632.9	607.0	25.92	24.413	
6,175.0	6,118.5	6,154.6	6,121.2	17.4	17.7	115.23	230.7	319.3	632.9	606.8	26.04	24.305	
6,200.0	6,143.5	6,179.6	6,146.2	17.4	17.7	115.23	230.7	319.3	632.9	606.8	26.08	24.270	
6,270.0	6,213.5	6,249.6	6,216.2	17.5	17.8	115.23	230.7	319.3	632.9	606.7	26.18	24.171	
6,300.0	6,243.5	6,279.6	6,246.2	17.5	17.8	115.23	230.7	319.3	632.9	606.7	26.23	24.129	
6,365.0	6,308.5	6,344.6	6,311.2	17.5	17.8	115.23	230.7	319.3	632.9	606.6	26.33	24.038	
6,400.0	6,343.5	6,379.6	6,346.2	17.6	17.8	115.23	230.7	319.3	632.9	606.5	26.38	23.989	
6,460.0	6,403.5	6,439.6	6,406.2	17.6	17.9	115.23	230.7	319.3	632.9	606.4	26.47	23.906	
6,500.0	6,443.5	6,479.6	6,446.2	17.6	17.9	115.23	230.7	319.3	632.9	606.4	26.54	23.851	
6,555.0	6,498.5	6,534.6	6,501.2	17.6	17.9	115.23	230.7	319.3	632.9	606.3	26.62	23.775	
6,600.0	6,543.5	6,579.6	6,546.2	17.7	17.9	115.23	230.7	319.3	632.9	606.2	26.69	23.714	
6,650.0	6,593.5	6,629.6	6,596.2	17.7	18.0	115.23	230.7	319.3	632.9	606.1	26.76	23.646	
6,700.0	6,643.5	6,679.6	6,646.2	17.7	18.0	115.23	230.7	319.3	632.9	606.0	26.84	23.579	
6,745.0	6,688.5	6,724.6	6,691.2	17.8	18.0	115.23	230.7	319.3	632.9	606.0	26.91	23.519	
6,800.0	6,743.5	6,779.6	6,746.2	17.8	18.1	115.23	230.7	319.3	632.9	605.9	26.99	23.445	
6,840.0	6,783.5	6,819.6	6,786.2	17.8	18.1	115.23	230.7	319.3	632.9	605.8	27.06	23.392	
6,900.0	6,843.5	6,879.6	6,846.2	17.8	18.1	115.23	230.7	319.3	632.9	605.7	27.15	23.313	
6,935.0	6,878.5	6,914.6	6,881.2	17.9	18.1	115.23	230.7	319.3	632.9	605.7	27.20	23.267	
7,000.0	6,943.5	6,979.6	6,946.2	17.9	18.2	115.23	230.7	319.3	632.9	605.6	27.30	23.182	
7,030.0	6,973.5	7,009.6	6,976.2	17.9	18.2	115.23	230.7	319.3	632.9	605.5	27.35	23.143	
7,100.0	7,043.5	7,079.6	7,046.2	18.0	18.2	115.23	230.7	319.3	632.9	605.4	27.45	23.053	
7,125.0	7,068.5	7,104.6	7,071.2	18.0	18.2	115.23	230.7	319.3	632.9	605.4	27.49	23.021	
7,200.0	7,143.5	7,179.6	7,146.2	18.0	18.3	115.23	230.7	319.3	632.9	605.3	27.61	22.925	
7,220.0	7,163.5	7,199.6	7,166.2	18.0	18.3	115.23	230.7	319.3	632.9	605.3	27.64	22.900	
7,300.0	7,243.5	7,279.6	7,246.2	18.1	18.3	115.23	230.7	319.3	632.9	605.1	27.76	22.798	
7,315.0	7,258.5	7,294.6	7,261.2	18.1	18.4	115.23	230.7	319.3	632.9	605.1	27.78	22.780	
7,400.0	7,343.5	7,379.6	7,346.2	18.1	18.4	115.23	230.7	319.3	632.9	605.0	27.91	22.673	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1													Offset Site Error: 0.0 usft		
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS				Offset		Semi Major Axis		Offset Wellbore Centre		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)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
7,410.0	7,353.5	7,389.6	7,356.2	18.2	18.4	115.23	230.7	319.3	632.9	605.0	27.93	22.661			
7,500.0	7,443.5	7,479.6	7,446.2	18.2	18.5	115.23	230.7	319.3	632.9	604.8	28.07	22.549			
7,505.0	7,448.5	7,484.6	7,451.2	18.2	18.5	115.23	230.7	319.3	632.9	604.8	28.07	22.543			
7,600.0	7,543.5	7,579.6	7,546.2	18.3	18.5	115.23	230.7	319.3	632.9	604.7	28.22	22.427			
7,695.0	7,638.5	7,674.6	7,641.2	18.3	18.6	115.23	230.7	319.3	632.9	604.5	28.37	22.311			
7,700.0	7,643.5	7,679.6	7,646.2	18.3	18.6	115.23	230.7	319.3	632.9	604.5	28.37	22.305			
7,790.0	7,733.5	7,769.6	7,736.2	18.4	18.6	115.23	230.7	319.3	632.9	604.4	28.51	22.197			
7,800.0	7,743.5	7,779.6	7,746.2	18.4	18.6	115.23	230.7	319.3	632.9	604.4	28.53	22.185			
7,885.0	7,828.5	7,864.6	7,831.2	18.4	18.7	115.23	230.7	319.3	632.9	604.2	28.66	22.084			
7,900.0	7,843.5	7,879.6	7,846.2	18.4	18.7	115.23	230.7	319.3	632.9	604.2	28.68	22.066			
7,980.0	7,923.5	7,959.6	7,926.2	18.5	18.7	115.23	230.7	319.3	632.9	604.1	28.80	21.972			
8,000.0	7,943.5	7,979.6	7,946.2	18.5	18.8	115.23	230.7	319.3	632.9	604.1	28.83	21.949			
8,075.0	8,018.5	8,054.6	8,021.2	18.6	18.8	115.23	230.7	319.3	632.9	603.9	28.95	21.861			
8,100.0	8,043.5	8,079.6	8,046.2	18.6	18.8	115.23	230.7	319.3	632.9	603.9	28.99	21.832			
8,170.0	8,113.5	8,149.6	8,116.2	18.6	18.9	115.23	230.7	319.3	632.9	603.8	29.10	21.752			
8,200.0	8,143.5	8,179.6	8,146.2	18.6	18.9	115.23	230.7	319.3	632.9	603.7	29.14	21.717			
8,265.0	8,208.5	8,244.6	8,211.2	18.7	18.9	115.23	230.7	319.3	632.9	603.6	29.24	21.643			
8,300.0	8,243.5	8,279.6	8,246.2	18.7	18.9	115.23	230.7	319.3	632.9	603.6	29.30	21.603			
8,360.0	8,303.5	8,339.6	8,306.2	18.7	19.0	115.23	230.7	319.3	632.9	603.5	29.39	21.535			
8,400.0	8,343.5	8,379.6	8,346.2	18.8	19.0	115.23	230.7	319.3	632.9	603.4	29.45	21.490			
8,400.8	8,344.4	8,380.5	8,347.1	18.8	19.0	115.23	230.7	319.3	632.9	603.4	29.45	21.489			
8,455.0	8,398.5	8,429.2	8,395.8	18.8	19.0	115.24	230.6	319.3	633.0	603.5	29.50	21.456			
8,500.0	8,443.5	8,459.9	8,426.5	18.8	19.0	115.36	229.1	319.3	633.9	604.3	29.52	21.475			
8,550.0	8,493.5	8,500.0	8,466.3	18.8	19.1	115.72	224.8	319.2	636.1	606.5	29.57	21.514			
8,600.0	8,543.5	8,527.0	8,493.0	18.9	19.1	116.09	220.3	319.2	639.6	610.0	29.58	21.618			
8,645.0	8,588.5	8,550.0	8,515.4	18.9	19.1	116.48	215.4	319.2	643.9	614.3	29.60	21.750			
8,700.0	8,643.5	8,591.2	8,555.2	18.9	19.2	117.35	204.5	319.1	650.7	621.0	29.68	21.922			
8,740.0	8,683.5	8,615.8	8,578.5	19.0	19.2	117.97	196.7	319.0	656.7	627.0	29.73	22.092			
8,800.0	8,743.5	8,650.0	8,610.3	19.0	19.2	118.94	184.1	318.9	667.7	637.9	29.80	22.405			
8,835.0	8,778.5	8,671.1	8,629.5	19.0	19.3	119.61	175.5	318.8	675.2	645.3	29.86	22.613			
8,900.0	8,843.5	8,700.0	8,655.3	19.1	19.3	120.59	162.4	318.7	691.2	661.3	29.94	23.086			
8,930.0	8,873.5	8,721.8	8,674.3	19.1	19.3	121.38	151.7	318.6	699.5	669.5	30.02	23.303			
9,000.0	8,943.5	8,750.0	8,698.3	19.1	19.3	122.46	136.9	318.5	721.5	691.3	30.13	23.942			
9,025.0	8,968.5	8,767.7	8,712.9	19.1	19.4	123.17	126.9	318.4	730.1	699.9	30.21	24.166			
9,100.0	9,043.5	8,800.0	8,738.8	19.2	19.4	124.51	107.7	318.2	758.5	728.1	30.38	24.967			
9,120.0	9,063.5	8,800.0	8,738.8	19.2	19.4	124.51	107.7	318.2	766.8	736.4	30.40	25.224			
9,200.0	9,143.5	8,850.0	8,776.7	19.3	19.5	126.69	75.0	317.9	802.4	771.7	30.68	26.155			
9,215.0	9,158.5	8,850.0	8,776.7	19.3	19.5	126.69	75.0	317.9	809.4	778.7	30.64	26.414			
9,239.5	9,183.0	8,850.0	8,776.7	19.3	19.5	126.69	75.0	317.9	821.3	790.7	30.58	26.857			
9,250.0	9,193.5	8,850.0	8,776.7	19.3	19.5	-53.34	75.0	317.9	826.5	795.9	30.59	27.019			
9,300.0	9,243.4	8,876.8	8,795.7	19.3	19.5	-50.08	56.2	317.8	850.5	819.8	30.75	27.659			
9,310.0	9,253.4	8,880.4	8,798.3	19.3	19.5	-49.54	53.6	317.7	855.2	824.5	30.78	27.789			
9,350.0	9,292.9	8,900.0	8,811.6	19.4	19.5	-47.32	39.2	317.6	873.7	842.8	30.89	28.280			
9,400.0	9,341.4	8,914.0	8,820.8	19.4	19.5	-45.15	28.6	317.5	895.5	864.5	31.01	28.880			
9,405.0	9,346.2	8,915.9	8,822.0	19.4	19.5	-44.93	27.2	317.5	897.6	866.6	31.02	28.936			
9,450.0	9,388.8	8,933.1	8,832.9	19.5	19.5	-43.10	13.9	317.4	916.0	884.9	31.14	29.414			
9,500.0	9,434.7	8,950.0	8,843.2	19.5	19.6	-41.35	0.5	317.3	935.0	903.7	31.27	29.897			
9,550.0	9,478.6	8,971.9	8,855.9	19.6	19.6	-39.74	-17.3	317.1	952.3	920.9	31.43	30.304			
9,595.0	9,516.2	9,000.0	8,871.3	19.7	19.6	-38.38	-40.8	316.9	966.6	935.0	31.58	30.603			
9,600.0	9,520.2	9,000.0	8,871.3	19.7	19.6	-38.28	-40.8	316.9	968.0	936.4	31.59	30.638			
9,650.0	9,559.3	9,000.0	8,871.3	19.7	19.6	-37.41	-40.8	316.9	981.8	950.1	31.72	30.951			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS												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	
9,690.0	9,588.5	9,027.3	8,885.1	19.8	19.6	-36.52	-64.4	316.7	991.2	959.3	31.87	31.097	
9,700.0	9,595.5	9,031.3	8,887.0	19.8	19.6	-36.35	-67.9	316.7	993.4	961.5	31.91	31.132	
9,750.0	9,628.6	9,050.0	8,895.7	19.8	19.7	-35.60	-84.4	316.5	1,003.2	971.1	32.09	31.266	
9,785.0	9,649.8	9,065.4	8,902.4	19.9	19.7	-35.17	-98.2	316.4	1,008.8	976.6	32.22	31.311	
9,800.0	9,658.3	9,071.4	8,905.0	19.9	19.7	-35.02	-103.7	316.3	1,010.9	978.6	32.27	31.321	
9,850.0	9,684.4	9,100.0	8,916.2	20.0	19.7	-34.57	-130.0	316.1	1,016.6	984.1	32.48	31.302	
9,880.0	9,698.2	9,100.0	8,916.2	20.0	19.7	-34.44	-130.0	316.1	1,018.9	986.3	32.59	31.264	
9,900.0	9,706.7	9,100.0	8,916.2	20.0	19.7	-34.37	-130.0	316.1	1,020.2	987.5	32.67	31.227	
9,950.0	9,724.9	9,132.0	8,927.2	20.0	19.7	-34.25	-160.0	315.8	1,021.4	988.5	32.89	31.059	
9,975.0	9,732.5	9,150.0	8,932.7	20.1	19.8	-34.26	-177.2	315.7	1,021.3	988.3	32.99	30.954	
10,000.0	9,739.1	9,150.0	8,932.7	20.1	19.8	-34.31	-177.2	315.7	1,020.6	987.5	33.10	30.833	
10,050.0	9,749.0	9,172.4	8,938.7	20.1	19.8	-34.52	-198.7	315.5	1,017.7	984.4	33.32	30.540	
10,070.0	9,751.8	9,180.4	8,940.7	20.1	19.8	-34.65	-206.6	315.4	1,015.9	982.5	33.41	30.405	
10,100.0	9,754.6	9,200.0	8,945.0	20.1	19.8	-34.92	-225.6	315.3	1,012.7	979.1	33.54	30.191	
10,139.0	9,756.0	9,200.0	8,945.0	20.2	19.8	-35.24	-225.6	315.3	1,007.3	973.6	33.71	29.883	
10,165.0	9,756.0	9,218.7	8,948.5	20.2	19.8	-35.35	-244.0	315.1	1,003.4	969.6	33.80	29.683	
10,200.0	9,756.0	9,232.9	8,950.8	20.2	19.8	-35.43	-258.0	315.0	998.8	964.9	33.94	29.428	
10,260.0	9,756.1	9,250.0	8,953.0	20.2	19.8	-35.50	-275.0	314.8	992.8	958.6	34.22	29.014	
10,300.0	9,756.1	9,274.1	8,955.4	20.2	19.8	-35.58	-298.9	314.6	989.8	955.4	34.40	28.773	
10,355.0	9,756.2	9,300.0	8,956.7	20.3	19.9	-35.63	-324.8	314.4	987.4	952.7	34.68	28.468	
10,400.0	9,756.2	9,316.8	8,957.0	20.3	19.9	-35.64	-341.6	314.2	986.7	951.8	34.91	28.261	
10,420.8	9,756.2	9,334.9	8,957.0	20.3	19.9	-35.64	-359.7	314.1	986.7	951.7	35.01	28.181	
10,450.0	9,756.2	9,364.1	8,957.1	20.3	19.9	-35.64	-388.9	313.8	986.7	951.5	35.15	28.074	
10,500.0	9,756.3	9,414.1	8,957.1	20.3	19.9	-35.64	-438.9	313.4	986.7	951.3	35.38	27.888	
10,545.0	9,756.3	9,459.1	8,957.2	20.4	20.0	-35.64	-483.9	313.0	986.6	951.0	35.61	27.704	
10,600.0	9,756.4	9,514.1	8,957.2	20.4	20.0	-35.64	-538.9	312.5	986.6	950.7	35.90	27.480	
10,640.0	9,756.4	9,554.1	8,957.3	20.4	20.0	-35.64	-578.9	312.1	986.6	950.5	36.14	27.303	
10,700.0	9,756.4	9,614.1	8,957.3	20.5	20.1	-35.64	-638.9	311.6	986.6	950.1	36.49	27.039	
10,735.0	9,756.5	9,649.1	8,957.4	20.5	20.1	-35.64	-673.9	311.3	986.6	949.9	36.71	26.875	
10,800.0	9,756.5	9,714.1	8,957.5	20.6	20.2	-35.64	-738.9	310.7	986.6	949.4	37.13	26.572	
10,830.0	9,756.5	9,744.1	8,957.5	20.6	20.2	-35.64	-768.9	310.4	986.6	949.2	37.34	26.424	
10,900.0	9,756.6	9,814.1	8,957.6	20.7	20.3	-35.64	-838.9	309.8	986.5	948.7	37.82	26.084	
10,925.0	9,756.6	9,839.1	8,957.6	20.7	20.3	-35.64	-863.9	309.6	986.5	948.5	38.01	25.957	
11,000.0	9,756.7	9,914.1	8,957.7	20.8	20.4	-35.64	-938.9	308.9	986.5	947.9	38.57	25.580	
11,020.0	9,756.7	9,934.1	8,957.7	20.9	20.4	-35.64	-958.9	308.7	986.5	947.8	38.72	25.475	
11,100.0	9,756.8	10,014.1	8,957.8	21.0	20.5	-35.64	-1,038.9	308.0	986.5	947.1	39.36	25.064	
11,115.0	9,756.8	10,029.1	8,957.8	21.0	20.6	-35.64	-1,053.9	307.9	986.5	947.0	39.48	24.985	
11,200.0	9,756.8	10,114.1	8,957.9	21.2	20.7	-35.65	-1,138.9	307.2	986.5	946.3	40.19	24.542	
11,210.0	9,756.8	10,124.1	8,957.9	21.2	20.7	-35.65	-1,148.9	307.1	986.5	946.2	40.28	24.489	
11,300.0	9,756.9	10,214.1	8,958.0	21.4	20.9	-35.65	-1,238.9	306.3	986.4	945.4	41.07	24.016	
11,305.0	9,756.9	10,219.1	8,958.0	21.4	20.9	-35.65	-1,243.9	306.2	986.4	945.3	41.12	23.989	
11,400.0	9,757.0	10,314.1	8,958.1	21.6	21.1	-35.65	-1,338.9	305.4	986.4	944.4	41.99	23.490	
11,495.0	9,757.1	10,409.1	8,958.2	21.8	21.3	-35.65	-1,433.9	304.5	986.4	943.5	42.90	22.993	
11,500.0	9,757.1	10,414.1	8,958.3	21.8	21.3	-35.65	-1,438.9	304.5	986.4	943.4	42.95	22.967	
11,590.0	9,757.1	10,504.1	8,958.4	22.1	21.6	-35.65	-1,528.9	303.7	986.3	942.5	43.84	22.501	
11,600.0	9,757.2	10,514.1	8,958.4	22.1	21.6	-35.65	-1,538.9	303.6	986.3	942.4	43.94	22.449	
11,685.0	9,757.2	10,599.1	8,958.5	22.4	21.8	-35.65	-1,623.9	302.9	986.3	941.5	44.80	22.015	
11,700.0	9,757.2	10,614.1	8,958.5	22.5	21.9	-35.65	-1,638.9	302.7	986.3	941.4	44.96	21.938	
11,780.0	9,757.3	10,694.1	8,958.6	22.7	22.1	-35.65	-1,718.9	302.0	986.3	940.5	45.80	21.536	
11,800.0	9,757.3	10,714.1	8,958.6	22.8	22.2	-35.65	-1,738.9	301.8	986.3	940.3	46.01	21.436	
11,875.0	9,757.4	10,789.1	8,958.7	23.1	22.5	-35.65	-1,813.9	301.2	986.3	939.4	46.82	21.066	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	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)	Ellipses (usft)	Separation Factor	Warning		
11,900.0	9,757.4	10,814.1	8,958.7	23.2	22.5	-35.65	-1,838.9	300.9	986.3	939.2	47.09	20.944		
11,970.0	9,757.5	10,884.1	8,958.8	23.5	22.8	-35.65	-1,908.9	300.3	986.2	938.4	47.86	20.605		
12,000.0	9,757.5	10,914.1	8,958.8	23.6	22.9	-35.66	-1,938.9	300.1	986.2	938.0	48.20	20.463		
12,065.0	9,757.5	10,979.1	8,958.9	23.9	23.2	-35.66	-2,003.9	299.5	986.2	937.3	48.93	20.155		
12,100.0	9,757.6	11,014.1	8,958.9	24.1	23.3	-35.66	-2,038.9	299.2	986.2	936.9	49.33	19.993		
12,160.0	9,757.6	11,074.1	8,959.0	24.4	23.6	-35.66	-2,098.9	298.6	986.2	936.2	50.02	19.717		
12,200.0	9,757.6	11,114.1	8,959.1	24.6	23.8	-35.66	-2,138.9	298.3	986.2	935.7	50.48	19.536		
12,255.0	9,757.7	11,169.1	8,959.1	24.9	24.0	-35.66	-2,193.9	297.8	986.2	935.0	51.13	19.289		
12,300.0	9,757.7	11,214.1	8,959.2	25.1	24.2	-35.66	-2,238.9	297.4	986.1	934.5	51.66	19.091		
12,350.0	9,757.8	11,264.1	8,959.2	25.4	24.5	-35.66	-2,288.9	297.0	986.1	933.9	52.25	18.873		
12,400.0	9,757.8	11,314.1	8,959.3	25.6	24.7	-35.66	-2,338.9	296.5	986.1	933.3	52.85	18.659		
12,445.0	9,757.8	11,359.1	8,959.3	25.9	24.9	-35.66	-2,383.9	296.1	986.1	932.7	53.39	18.468		
12,500.0	9,757.9	11,414.1	8,959.4	26.2	25.2	-35.66	-2,438.9	295.6	986.1	932.0	54.06	18.240		
12,540.0	9,757.9	11,454.1	8,959.4	26.4	25.4	-35.66	-2,478.9	295.3	986.1	931.5	54.55	18.075		
12,600.0	9,757.9	11,514.1	8,959.5	26.7	25.7	-35.66	-2,538.8	294.7	986.1	930.8	55.29	17.833		
12,635.0	9,758.0	11,549.1	8,959.6	26.9	25.9	-35.66	-2,573.8	294.4	986.0	930.3	55.73	17.694		
12,700.0	9,758.0	11,614.1	8,959.6	27.3	26.3	-35.66	-2,638.8	293.8	986.0	929.5	56.54	17.440		
12,730.0	9,758.1	11,644.1	8,959.7	27.5	26.5	-35.66	-2,668.8	293.6	986.0	929.1	56.92	17.324		
12,800.0	9,758.1	11,714.1	8,959.7	27.9	26.8	-35.66	-2,738.8	293.0	986.0	928.2	57.80	17.059		
12,825.0	9,758.1	11,739.1	8,959.8	28.1	27.0	-35.67	-2,763.8	292.7	986.0	927.9	58.12	16.965		
12,900.0	9,758.2	11,814.1	8,959.9	28.5	27.4	-35.67	-2,838.8	292.1	986.0	926.9	59.08	16.690		
12,920.0	9,758.2	11,834.1	8,959.9	28.7	27.5	-35.67	-2,858.8	291.9	986.0	926.6	59.33	16.617		
13,000.0	9,758.3	11,914.1	8,960.0	29.1	28.0	-35.67	-2,938.8	291.2	985.9	925.6	60.36	16.333		
13,015.0	9,758.3	11,929.1	8,960.0	29.2	28.1	-35.67	-2,953.8	291.1	985.9	925.4	60.56	16.280		
13,100.0	9,758.3	12,014.1	8,960.1	29.8	28.6	-35.67	-3,038.8	290.3	985.9	924.3	61.67	15.988		
13,110.0	9,758.4	12,024.1	8,960.1	29.8	28.7	-35.67	-3,048.8	290.2	985.9	924.1	61.80	15.954		
13,200.0	9,758.4	12,114.1	8,960.2	30.4	29.2	-35.67	-3,138.8	289.4	985.9	922.9	62.98	15.654		
13,205.0	9,758.4	12,119.1	8,960.2	30.4	29.3	-35.67	-3,143.8	289.4	985.9	922.8	63.05	15.638		
13,300.0	9,758.5	12,214.1	8,960.3	31.1	29.8	-35.67	-3,238.8	288.5	985.9	921.6	64.30	15.332		
13,395.0	9,758.6	12,309.1	8,960.4	31.7	30.4	-35.67	-3,333.8	287.7	985.8	920.3	65.57	15.035		
13,400.0	9,758.6	12,314.1	8,960.4	31.7	30.5	-35.67	-3,338.8	287.6	985.8	920.2	65.64	15.019		
13,490.0	9,758.7	12,404.1	8,960.5	32.3	31.0	-35.67	-3,428.8	286.8	985.8	919.0	66.85	14.747		
13,500.0	9,758.7	12,414.1	8,960.5	32.4	31.1	-35.67	-3,438.8	286.8	985.8	918.8	66.98	14.718		
13,585.0	9,758.7	12,499.1	8,960.6	32.9	31.7	-35.67	-3,523.8	286.0	985.8	917.6	68.13	14.469		
13,600.0	9,758.7	12,514.1	8,960.7	33.0	31.8	-35.67	-3,538.8	285.9	985.8	917.4	68.33	14.426		
13,680.0	9,758.8	12,594.1	8,960.7	33.6	32.3	-35.68	-3,618.8	285.2	985.8	916.3	69.42	14.199		
13,700.0	9,758.8	12,614.1	8,960.8	33.7	32.4	-35.68	-3,638.8	285.0	985.7	916.1	69.69	14.144		
13,775.0	9,758.9	12,689.1	8,960.9	34.2	32.9	-35.68	-3,713.8	284.3	985.7	915.0	70.72	13.938		
13,800.0	9,758.9	12,714.1	8,960.9	34.4	33.1	-35.68	-3,738.8	284.1	985.7	914.7	71.06	13.871		
13,870.0	9,759.0	12,784.1	8,961.0	34.8	33.5	-35.68	-3,808.8	283.5	985.7	913.7	72.03	13.685		
13,900.0	9,759.0	12,814.1	8,961.0	35.0	33.7	-35.68	-3,838.8	283.2	985.7	913.2	72.44	13.607		
13,965.0	9,759.0	12,879.1	8,961.1	35.5	34.2	-35.68	-3,903.8	282.6	985.7	912.3	73.34	13.440		
14,000.0	9,759.1	12,914.1	8,961.1	35.7	34.4	-35.68	-3,938.8	282.3	985.7	911.8	73.82	13.351		
14,060.0	9,759.1	12,974.1	8,961.2	36.1	34.8	-35.68	-3,998.8	281.8	985.6	911.0	74.66	13.202		
14,100.0	9,759.1	13,014.1	8,961.2	36.4	35.1	-35.68	-4,038.8	281.4	985.6	910.4	75.22	13.104		
14,155.0	9,759.2	13,069.1	8,961.3	36.8	35.4	-35.68	-4,093.8	280.9	985.6	909.6	75.98	12.971		
14,200.0	9,759.2	13,114.1	8,961.3	37.1	35.7	-35.68	-4,138.8	280.5	985.6	909.0	76.61	12.865		
14,250.0	9,759.3	13,164.1	8,961.4	37.4	36.1	-35.68	-4,188.8	280.1	985.6	908.3	77.31	12.748		
14,300.0	9,759.3	13,214.1	8,961.5	37.8	36.4	-35.68	-4,238.8	279.7	985.6	907.6	78.02	12.633		
14,345.0	9,759.3	13,259.1	8,961.5	38.1	36.7	-35.68	-4,283.8	279.3	985.6	906.9	78.65	12.531		
14,400.0	9,759.4	13,314.1	8,961.6	38.5	37.1	-35.68	-4,338.8	278.8	985.5	906.1	79.43	12.409		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error:	3.0 usft
Reference	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)	Ellipses (usft)	Separation Factor			
14,440.0	9,759.4	13,354.1	8,961.6	38.8	37.4	-35.68	-4,378.8	278.4	985.5	905.5	79.99	12.321		
14,500.0	9,759.5	13,414.1	8,961.7	39.2	37.8	-35.69	-4,438.8	277.9	985.5	904.7	80.84	12.191		
14,535.0	9,759.5	13,449.1	8,961.7	39.4	38.0	-35.69	-4,473.8	277.6	985.5	904.2	81.34	12.116		
14,600.0	9,759.5	13,514.1	8,961.8	39.9	38.5	-35.69	-4,538.8	277.0	985.5	903.2	82.26	11.980		
14,630.0	9,759.6	13,544.1	8,961.8	40.1	38.7	-35.69	-4,568.8	276.7	985.5	902.8	82.69	11.918		
14,700.0	9,759.6	13,614.1	8,961.9	40.6	39.2	-35.69	-4,638.8	276.1	985.5	901.8	83.68	11.776		
14,725.0	9,759.6	13,639.1	8,961.9	40.8	39.4	-35.69	-4,663.8	275.9	985.5	901.4	84.04	11.726		
14,800.0	9,759.7	13,714.1	8,962.0	41.3	39.9	-35.69	-4,738.8	275.2	985.4	900.3	85.11	11.578		
14,820.0	9,759.7	13,734.1	8,962.0	41.4	40.0	-35.69	-4,758.8	275.0	985.4	900.0	85.40	11.539		
14,900.0	9,759.8	13,814.1	8,962.1	42.0	40.6	-35.69	-4,838.8	274.3	985.4	898.9	86.55	11.386		
14,915.0	9,759.8	13,829.1	8,962.2	42.1	40.7	-35.69	-4,853.8	274.2	985.4	898.6	86.76	11.358		
15,000.0	9,759.9	13,914.1	8,962.3	42.7	41.3	-35.69	-4,938.8	273.4	985.4	897.4	87.98	11.199		
15,010.0	9,759.9	13,924.1	8,962.3	42.8	41.4	-35.69	-4,948.8	273.4	985.4	897.2	88.13	11.181		
15,100.0	9,759.9	14,014.1	8,962.4	43.4	42.0	-35.69	-5,038.7	272.6	985.4	895.9	89.43	11.019		
15,105.0	9,759.9	14,019.1	8,962.4	43.5	42.0	-35.69	-5,043.7	272.5	985.4	895.9	89.50	11.010		
15,200.0	9,760.0	14,114.1	8,962.5	44.1	42.7	-35.69	-5,138.7	271.7	985.3	894.5	90.87	10.843		
15,295.0	9,760.1	14,209.1	8,962.6	44.8	43.4	-35.69	-5,233.7	270.8	985.3	893.0	92.25	10.681		
15,300.0	9,760.1	14,214.1	8,962.6	44.8	43.4	-35.69	-5,238.7	270.8	985.3	893.0	92.32	10.672		
15,390.0	9,760.2	14,304.1	8,962.7	45.5	44.1	-35.70	-5,328.7	270.0	985.3	891.6	93.63	10.523		
15,400.0	9,760.2	14,314.1	8,962.7	45.6	44.1	-35.70	-5,338.7	269.9	985.3	891.5	93.77	10.507		
15,485.0	9,760.2	14,399.1	8,962.8	46.2	44.7	-35.70	-5,423.7	269.1	985.2	890.2	95.01	10.370		
15,500.0	9,760.2	14,414.1	8,962.8	46.3	44.9	-35.70	-5,438.7	269.0	985.2	890.0	95.23	10.346		
15,580.0	9,760.3	14,494.1	8,962.9	46.9	45.4	-35.70	-5,518.7	268.3	985.2	888.8	96.40	10.220		
15,600.0	9,760.3	14,514.1	8,962.9	47.0	45.6	-35.70	-5,538.7	268.1	985.2	888.5	96.69	10.190		
15,675.0	9,760.4	14,589.1	8,963.0	47.5	46.1	-35.70	-5,613.7	267.5	985.2	887.4	97.79	10.075		
15,700.0	9,760.4	14,614.1	8,963.1	47.7	46.3	-35.70	-5,638.7	267.2	985.2	887.0	98.15	10.037		
15,770.0	9,760.5	14,684.1	8,963.1	48.2	46.8	-35.70	-5,708.7	266.6	985.2	886.0	99.18	9.933		
15,800.0	9,760.5	14,714.1	8,963.2	48.4	47.0	-35.70	-5,738.7	266.4	985.2	885.5	99.62	9.890		
15,865.0	9,760.5	14,779.1	8,963.2	48.9	47.5	-35.70	-5,803.7	265.8	985.1	884.6	100.57	9.796		
15,900.0	9,760.6	14,814.1	8,963.3	49.2	47.7	-35.70	-5,838.7	265.5	985.1	884.0	101.08	9.746		
15,960.0	9,760.6	14,874.1	8,963.3	49.6	48.2	-35.70	-5,898.7	264.9	985.1	883.1	101.97	9.661		
16,000.0	9,760.6	14,914.1	8,963.4	49.9	48.5	-35.70	-5,938.7	264.6	985.1	882.5	102.55	9.606		
16,055.0	9,760.7	14,969.1	8,963.5	50.3	48.9	-35.70	-5,993.7	264.1	985.1	881.7	103.36	9.530		
16,100.0	9,760.7	15,014.1	8,963.5	50.6	49.2	-35.70	-6,038.7	263.7	985.1	881.0	104.03	9.469		
16,150.0	9,760.8	15,064.1	8,963.6	51.0	49.5	-35.70	-6,088.7	263.2	985.1	880.3	104.76	9.403		
16,200.0	9,760.8	15,114.1	8,963.6	51.4	49.9	-35.71	-6,138.7	262.8	985.0	879.5	105.50	9.337		
16,245.0	9,760.8	15,159.1	8,963.7	51.7	50.2	-35.71	-6,183.7	262.4	985.0	878.9	106.17	9.278		
16,300.0	9,760.9	15,214.1	8,963.7	52.1	50.6	-35.71	-6,238.7	261.9	985.0	878.0	106.98	9.207		
16,340.0	9,760.9	15,254.1	8,963.8	52.4	50.9	-35.71	-6,278.7	261.6	985.0	877.4	107.57	9.157		
16,400.0	9,761.0	15,314.1	8,963.9	52.8	51.4	-35.71	-6,338.7	261.0	985.0	876.5	108.46	9.082		
16,435.0	9,761.0	15,349.1	8,963.9	53.1	51.6	-35.71	-6,373.7	260.7	985.0	876.0	108.98	9.038		
16,500.0	9,761.0	15,414.1	8,964.0	53.5	52.1	-35.71	-6,438.7	260.1	985.0	875.0	109.94	8.959		
16,530.0	9,761.1	15,444.1	8,964.0	53.8	52.3	-35.71	-6,468.7	259.9	984.9	874.6	110.39	8.923		
16,600.0	9,761.1	15,514.1	8,964.1	54.3	52.8	-35.71	-6,538.7	259.3	984.9	873.5	111.43	8.839		
16,625.0	9,761.1	15,539.1	8,964.1	54.5	53.0	-35.71	-6,563.7	259.0	984.9	873.1	111.80	8.810		
16,700.0	9,761.2	15,614.1	8,964.2	55.0	53.5	-35.71	-6,638.7	258.4	984.9	872.0	112.91	8.723		
16,720.0	9,761.2	15,634.1	8,964.2	55.2	53.7	-35.71	-6,658.7	258.2	984.9	871.7	113.21	8.700		
16,800.0	9,761.3	15,714.1	8,964.3	55.7	54.3	-35.71	-6,738.7	257.5	984.9	870.5	114.40	8.609		
16,815.0	9,761.3	15,729.1	8,964.3	55.9	54.4	-35.71	-6,753.7	257.4	984.9	870.2	114.62	8.592		
16,900.0	9,761.4	15,814.1	8,964.4	56.5	55.0	-35.71	-6,838.7	256.6	984.8	869.0	115.89	8.498		
16,910.0	9,761.4	15,824.1	8,964.4	56.6	55.1	-35.71	-6,848.7	256.5	984.8	868.8	116.04	8.487		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 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)		
17,000.0	9,761.4	15,914.1	8,964.5	57.2	55.7	-35.72	-6,938.7	255.7	984.8	867.4	117.38	8.390
17,005.0	9,761.4	15,919.1	8,964.5	57.3	55.8	-35.72	-6,943.7	255.7	984.8	867.4	117.46	8.385
17,100.0	9,761.5	16,014.1	8,964.7	58.0	56.5	-35.72	-7,038.7	254.8	984.8	865.9	118.87	8.284
17,195.0	9,761.6	16,109.1	8,964.8	58.7	57.2	-35.72	-7,133.7	254.0	984.8	864.5	120.29	8.186
17,200.0	9,761.6	16,114.1	8,964.8	58.7	57.2	-35.72	-7,138.7	253.9	984.8	864.4	120.37	8.181
17,290.0	9,761.7	16,204.1	8,964.9	59.4	57.9	-35.72	-7,228.7	253.1	984.7	863.0	121.71	8.090
17,300.0	9,761.7	16,214.1	8,964.9	59.4	58.0	-35.72	-7,238.7	253.0	984.7	862.9	121.86	8.081
17,385.0	9,761.7	16,299.1	8,965.0	60.1	58.6	-35.72	-7,323.7	252.3	984.7	861.6	123.14	7.997
17,400.0	9,761.8	16,314.1	8,965.0	60.2	58.7	-35.72	-7,338.7	252.2	984.7	861.3	123.36	7.982
17,480.0	9,761.8	16,394.1	8,965.1	60.8	59.3	-35.72	-7,418.7	251.5	984.7	860.1	124.56	7.905
17,500.0	9,761.8	16,414.1	8,965.1	60.9	59.4	-35.72	-7,438.7	251.3	984.7	859.8	124.86	7.886
17,575.0	9,761.9	16,489.1	8,965.2	61.5	60.0	-35.72	-7,513.7	250.6	984.7	858.7	125.99	7.816
17,600.0	9,761.9	16,514.1	8,965.2	61.6	60.2	-35.72	-7,538.6	250.4	984.6	858.3	126.36	7.792
17,670.0	9,762.0	16,584.1	8,965.3	62.2	60.7	-35.72	-7,608.6	249.8	984.6	857.2	127.41	7.728
17,700.0	9,762.0	16,614.1	8,965.3	62.4	60.9	-35.72	-7,638.6	249.5	984.6	856.8	127.86	7.700
17,765.0	9,762.0	16,679.1	8,965.4	62.9	61.4	-35.72	-7,703.6	248.9	984.6	855.8	128.84	7.642
17,800.0	9,762.1	16,714.1	8,965.5	63.1	61.6	-35.72	-7,738.6	248.6	984.6	855.2	129.37	7.611
17,860.0	9,762.1	16,774.1	8,965.5	63.6	62.1	-35.73	-7,798.6	248.1	984.6	854.3	130.27	7.558
17,900.0	9,762.1	16,814.1	8,965.6	63.9	62.4	-35.73	-7,838.6	247.7	984.6	853.7	130.87	7.523
17,955.0	9,762.2	16,869.1	8,965.6	64.3	62.8	-35.73	-7,893.6	247.2	984.5	852.8	131.70	7.476
18,000.0	9,762.2	16,914.1	8,965.7	64.6	63.1	-35.73	-7,938.6	246.8	984.5	852.2	132.38	7.437
18,050.0	9,762.3	16,964.1	8,965.7	65.0	63.5	-35.73	-7,988.6	246.4	984.5	851.4	133.13	7.395
18,100.0	9,762.3	17,014.1	8,965.8	65.4	63.9	-35.73	-8,038.6	246.0	984.5	850.6	133.88	7.353
18,145.0	9,762.3	17,059.1	8,965.8	65.7	64.2	-35.73	-8,083.6	245.6	984.5	849.9	134.56	7.316
18,200.0	9,762.4	17,114.1	8,965.9	66.1	64.6	-35.73	-8,138.6	245.1	984.5	849.1	135.39	7.271
18,240.0	9,762.4	17,154.1	8,966.0	66.4	64.9	-35.73	-8,178.6	244.7	984.5	848.5	136.00	7.239
18,300.0	9,762.5	17,214.1	8,966.0	66.8	65.4	-35.73	-8,238.6	244.2	984.4	847.5	136.90	7.191
18,335.0	9,762.5	17,249.1	8,966.1	67.1	65.6	-35.73	-8,273.6	243.9	984.4	847.0	137.43	7.163
18,400.0	9,762.5	17,314.1	8,966.1	67.6	66.1	-35.73	-8,338.6	243.3	984.4	846.0	138.41	7.112
18,430.0	9,762.6	17,344.1	8,966.2	67.8	66.3	-35.73	-8,368.6	243.0	984.4	845.5	138.87	7.089
18,500.0	9,762.6	17,414.1	8,966.3	68.3	66.8	-35.73	-8,438.6	242.4	984.4	844.5	139.92	7.035
18,525.0	9,762.6	17,439.1	8,966.3	68.5	67.0	-35.73	-8,463.6	242.2	984.4	844.1	140.30	7.016
18,600.0	9,762.7	17,514.1	8,966.4	69.1	67.6	-35.73	-8,538.6	241.5	984.4	842.9	141.44	6.960
18,620.0	9,762.7	17,534.1	8,966.4	69.2	67.7	-35.73	-8,558.6	241.3	984.4	842.6	141.74	6.945
18,700.0	9,762.8	17,614.1	8,966.5	69.8	68.3	-35.74	-8,638.6	240.6	984.3	841.4	142.95	6.886
18,715.0	9,762.8	17,629.1	8,966.5	69.9	68.4	-35.74	-8,653.6	240.5	984.3	841.2	143.18	6.875
18,800.0	9,762.9	17,714.1	8,966.6	70.6	69.1	-35.74	-8,738.6	239.7	984.3	839.8	144.46	6.814
18,810.0	9,762.9	17,724.1	8,966.6	70.6	69.2	-35.74	-8,748.6	239.7	984.3	839.7	144.61	6.806
18,900.0	9,762.9	17,814.1	8,966.7	71.3	69.8	-35.74	-8,838.6	238.9	984.3	838.3	145.98	6.743
18,905.0	9,762.9	17,819.1	8,966.7	71.4	69.9	-35.74	-8,843.6	238.8	984.3	838.2	146.05	6.739
19,000.0	9,763.0	17,914.1	8,966.8	72.1	70.6	-35.74	-8,938.6	238.0	984.2	836.8	147.49	6.673
19,095.0	9,763.1	18,009.1	8,966.9	72.8	71.3	-35.74	-9,033.6	237.1	984.2	835.3	148.93	6.608
19,100.0	9,763.1	18,014.1	8,966.9	72.8	71.3	-35.74	-9,038.6	237.1	984.2	835.2	149.01	6.605
19,190.0	9,763.2	18,104.1	8,967.0	73.5	72.0	-35.74	-9,128.6	236.3	984.2	833.8	150.38	6.545
19,200.0	9,763.2	18,114.1	8,967.1	73.6	72.1	-35.74	-9,138.6	236.2	984.2	833.7	150.53	6.538
19,285.0	9,763.2	18,199.1	8,967.1	74.2	72.7	-35.74	-9,223.6	235.4	984.2	832.4	151.82	6.483
19,300.0	9,763.3	18,214.1	8,967.2	74.3	72.8	-35.74	-9,238.6	235.3	984.2	832.1	152.05	6.473
19,380.0	9,763.3	18,294.1	8,967.3	74.9	73.4	-35.74	-9,318.6	234.6	984.1	830.9	153.26	6.421
19,400.0	9,763.3	18,314.1	8,967.3	75.1	73.6	-35.74	-9,338.6	234.4	984.1	830.6	153.57	6.409
19,475.0	9,763.4	18,389.1	8,967.4	75.6	74.1	-35.75	-9,413.6	233.8	984.1	829.4	154.70	6.361
19,500.0	9,763.4	18,414.1	8,967.4	75.8	74.3	-35.75	-9,438.6	233.5	984.1	829.0	155.08	6.346

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,570.0	9,763.5	18,484.1	8,967.5	76.3	74.8	-35.75	-9,508.6	232.9	984.1	827.9	156.15	6.302	
19,600.0	9,763.5	18,514.1	8,967.5	76.6	75.1	-35.75	-9,538.6	232.6	984.1	827.5	156.61	6.284	
19,665.0	9,763.5	18,579.1	8,967.6	77.0	75.5	-35.75	-9,603.6	232.1	984.1	826.5	157.59	6.244	
19,700.0	9,763.6	18,614.1	8,967.6	77.3	75.8	-35.75	-9,638.6	231.8	984.1	825.9	158.13	6.223	
19,760.0	9,763.6	18,674.1	8,967.7	77.8	76.2	-35.75	-9,698.6	231.2	984.0	825.0	159.04	6.187	
19,800.0	9,763.7	18,714.1	8,967.7	78.1	76.5	-35.75	-9,738.6	230.9	984.0	824.4	159.65	6.164	
19,855.0	9,763.7	18,769.1	8,967.8	78.5	77.0	-35.75	-9,793.6	230.4	984.0	823.5	160.49	6.131	
19,900.0	9,763.7	18,814.1	8,967.9	78.8	77.3	-35.75	-9,838.6	230.0	984.0	822.8	161.17	6.105	
19,950.0	9,763.8	18,864.1	8,967.9	79.2	77.7	-35.75	-9,888.6	229.5	984.0	822.0	161.93	6.076	
20,000.0	9,763.8	18,914.1	8,968.0	79.6	78.0	-35.75	-9,938.6	229.1	984.0	821.3	162.69	6.048	
20,045.0	9,763.8	18,959.1	8,968.0	79.9	78.4	-35.75	-9,983.6	228.7	984.0	820.6	163.38	6.022	
20,100.0	9,763.9	19,014.1	8,968.1	80.3	78.8	-35.75	-10,038.5	228.2	983.9	819.7	164.22	5.992	
20,140.0	9,763.9	19,054.1	8,968.1	80.6	79.1	-35.75	-10,078.5	227.9	983.9	819.1	164.83	5.969	
20,200.0	9,764.0	19,114.1	8,968.2	81.1	79.5	-35.75	-10,138.5	227.3	983.9	818.2	165.74	5.936	
20,235.0	9,764.0	19,149.1	8,968.2	81.3	79.8	-35.75	-10,173.5	227.0	983.9	817.6	166.28	5.917	
20,300.0	9,764.1	19,214.1	8,968.3	81.8	80.3	-35.75	-10,238.5	226.4	983.9	816.6	167.27	5.882	
20,330.0	9,764.1	19,244.1	8,968.3	82.0	80.5	-35.76	-10,268.5	226.2	983.9	816.1	167.73	5.866	
20,400.0	9,764.1	19,314.1	8,968.4	82.6	81.0	-35.76	-10,338.5	225.6	983.9	815.1	168.79	5.829	
20,425.0	9,764.1	19,339.1	8,968.4	82.7	81.2	-35.76	-10,363.5	225.3	983.8	814.7	169.18	5.816	
20,500.0	9,764.2	19,414.1	8,968.5	83.3	81.8	-35.76	-10,438.5	224.7	983.8	813.5	170.32	5.776	
20,520.0	9,764.2	19,434.1	8,968.6	83.5	81.9	-35.76	-10,458.5	224.5	983.8	813.2	170.63	5.766	
20,600.0	9,764.3	19,514.1	8,968.6	84.1	82.5	-35.76	-10,538.5	223.8	983.8	812.0	171.85	5.725	
20,615.0	9,764.3	19,529.1	8,968.7	84.2	82.7	-35.76	-10,553.5	223.6	983.8	811.7	172.08	5.717	
20,700.0	9,764.4	19,614.1	8,968.8	84.8	83.3	-35.76	-10,638.5	222.9	983.8	810.4	173.37	5.674	
20,710.0	9,764.4	19,624.1	8,968.8	84.9	83.4	-35.76	-10,648.5	222.8	983.8	810.2	173.53	5.669	
20,800.0	9,764.4	19,714.1	8,968.9	85.6	84.1	-35.76	-10,738.5	222.0	983.7	808.8	174.90	5.625	
20,805.0	9,764.5	19,719.1	8,968.9	85.6	84.1	-35.76	-10,743.5	222.0	983.7	808.8	174.98	5.622	
20,900.0	9,764.5	19,814.1	8,969.0	86.3	84.8	-35.76	-10,838.5	221.1	983.7	807.3	176.43	5.576	
20,995.0	9,764.6	19,909.1	8,969.1	87.0	85.5	-35.76	-10,933.5	220.3	983.7	805.8	177.88	5.530	
21,000.0	9,764.6	19,914.1	8,969.1	87.1	85.6	-35.76	-10,938.5	220.2	983.7	805.7	177.96	5.528	
21,090.0	9,764.7	20,004.1	8,969.2	87.7	86.2	-35.76	-11,028.5	219.4	983.7	804.3	179.34	5.485	
21,100.0	9,764.7	20,014.1	8,969.2	87.8	86.3	-35.76	-11,038.5	219.3	983.7	804.2	179.49	5.480	
21,185.0	9,764.8	20,099.1	8,969.3	88.5	86.9	-35.77	-11,123.5	218.6	983.6	802.8	180.79	5.441	
21,200.0	9,764.8	20,114.1	8,969.3	88.6	87.1	-35.77	-11,138.5	218.5	983.6	802.6	181.02	5.434	
21,280.0	9,764.8	20,194.1	8,969.4	89.2	87.7	-35.77	-11,218.5	217.7	983.6	801.4	182.24	5.397	
21,300.0	9,764.8	20,214.1	8,969.4	89.3	87.8	-35.77	-11,238.5	217.6	983.6	801.1	182.55	5.388	
21,375.0	9,764.9	20,289.1	8,969.5	89.9	88.4	-35.77	-11,313.5	216.9	983.6	799.9	183.70	5.354	
21,400.0	9,764.9	20,314.1	8,969.6	90.1	88.6	-35.77	-11,338.5	216.7	983.6	799.5	184.08	5.343	
21,470.0	9,765.0	20,384.1	8,969.6	90.6	89.1	-35.77	-11,408.5	216.1	983.6	798.4	185.15	5.312	
21,500.0	9,765.0	20,414.1	8,969.7	90.8	89.3	-35.77	-11,438.5	215.8	983.5	797.9	185.61	5.299	
21,565.0	9,765.1	20,479.1	8,969.8	91.3	89.8	-35.77	-11,503.5	215.2	983.5	796.9	186.61	5.271	
21,600.0	9,765.1	20,514.1	8,969.8	91.6	90.1	-35.77	-11,538.5	214.9	983.5	796.4	187.14	5.255	
21,660.0	9,765.1	20,574.1	8,969.9	92.0	90.5	-35.77	-11,598.5	214.4	983.5	795.4	188.06	5.230	
21,700.0	9,765.2	20,614.1	8,969.9	92.3	90.8	-35.77	-11,638.5	214.0	983.5	794.8	188.67	5.213	
21,755.0	9,765.2	20,669.1	8,970.0	92.8	91.2	-35.77	-11,693.5	213.5	983.5	794.0	189.52	5.189	
21,800.0	9,765.2	20,714.1	8,970.0	93.1	91.6	-35.77	-11,738.5	213.1	983.5	793.3	190.21	5.170	
21,850.0	9,765.3	20,764.1	8,970.1	93.5	92.0	-35.77	-11,788.5	212.7	983.4	792.5	190.97	5.150	
21,900.0	9,765.3	20,814.1	8,970.1	93.8	92.3	-35.77	-11,838.5	212.3	983.4	791.7	191.74	5.129	
21,945.0	9,765.4	20,859.1	8,970.2	94.2	92.7	-35.77	-11,883.5	211.9	983.4	791.0	192.43	5.111	
22,000.0	9,765.4	20,914.1	8,970.2	94.6	93.1	-35.78	-11,938.5	211.4	983.4	790.1	193.27	5.088	
22,040.0	9,765.4	20,954.1	8,970.3	94.9	93.4	-35.78	-11,978.5	211.0	983.4	789.5	193.89	5.072	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 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)		
22,100.0	9,765.5	21,014.1	8,970.4	95.4	93.8	-35.78	-12,038.5	210.5	983.4	788.6	194.81	5.048
22,135.0	9,765.5	21,049.1	8,970.4	95.6	94.1	-35.78	-12,073.5	210.2	983.4	788.0	195.34	5.034
22,200.0	9,765.6	21,114.1	8,970.5	96.1	94.6	-35.78	-12,138.5	209.6	983.3	787.0	196.34	5.008
22,230.0	9,765.6	21,144.1	8,970.5	96.3	94.8	-35.78	-12,168.5	209.3	983.3	786.5	196.80	4.997
22,300.0	9,765.6	21,214.1	8,970.6	96.9	95.4	-35.78	-12,238.5	208.7	983.3	785.4	197.87	4.969
22,325.0	9,765.7	21,239.1	8,970.6	97.1	95.5	-35.78	-12,263.5	208.5	983.3	785.1	198.26	4.960
22,400.0	9,765.7	21,314.1	8,970.7	97.6	96.1	-35.78	-12,338.5	207.8	983.3	783.9	199.41	4.931
22,420.0	9,765.7	21,334.1	8,970.7	97.8	96.3	-35.78	-12,358.5	207.6	983.3	783.6	199.72	4.923
22,500.0	9,765.8	21,414.1	8,970.8	98.4	96.9	-35.78	-12,438.5	206.9	983.3	782.3	200.94	4.893
22,515.0	9,765.8	21,429.1	8,970.8	98.5	97.0	-35.78	-12,453.5	206.8	983.3	782.1	201.17	4.888
22,600.0	9,765.9	21,514.1	8,970.9	99.1	97.6	-35.78	-12,538.4	206.0	983.2	780.8	202.48	4.856
22,610.0	9,765.9	21,524.1	8,970.9	99.2	97.7	-35.78	-12,548.4	206.0	983.2	780.6	202.63	4.852
22,700.0	9,766.0	21,614.1	8,971.0	99.9	98.4	-35.78	-12,638.4	205.2	983.2	779.2	204.01	4.819
22,705.0	9,766.0	21,619.1	8,971.1	99.9	98.4	-35.78	-12,643.4	205.1	983.2	779.1	204.09	4.817
22,800.0	9,766.0	21,714.1	8,971.2	100.6	99.1	-35.79	-12,738.4	204.3	983.2	777.6	205.55	4.783
22,895.0	9,766.1	21,809.1	8,971.3	101.4	99.8	-35.79	-12,833.4	203.4	983.2	776.1	207.01	4.749
22,900.0	9,766.1	21,814.1	8,971.3	101.4	99.9	-35.79	-12,838.4	203.4	983.1	776.1	207.09	4.748
22,990.0	9,766.2	21,904.1	8,971.4	102.1	100.6	-35.79	-12,928.4	202.6	983.1	774.7	208.47	4.716
23,000.0	9,766.2	21,914.1	8,971.4	102.2	100.6	-35.79	-12,938.4	202.5	983.1	774.5	208.62	4.712
23,085.0	9,766.3	21,999.1	8,971.5	102.8	101.3	-35.79	-13,023.4	201.7	983.1	773.2	209.93	4.683
23,100.0	9,766.3	22,014.1	8,971.5	102.9	101.4	-35.79	-13,038.4	201.6	983.1	772.9	210.16	4.678
23,180.0	9,766.3	22,094.1	8,971.6	103.5	102.0	-35.79	-13,118.4	200.9	983.1	771.7	211.39	4.651
23,200.0	9,766.3	22,114.1	8,971.6	103.7	102.1	-35.79	-13,138.4	200.7	983.1	771.4	211.70	4.644
23,275.0	9,766.4	22,189.1	8,971.7	104.2	102.7	-35.79	-13,213.4	200.1	983.0	770.2	212.85	4.618
23,300.0	9,766.4	22,214.1	8,971.7	104.4	102.9	-35.79	-13,238.4	199.8	983.0	769.8	213.23	4.610
23,370.0	9,766.5	22,284.1	8,971.8	104.9	103.4	-35.79	-13,308.4	199.2	983.0	768.7	214.31	4.587
23,400.0	9,766.5	22,314.1	8,971.8	105.2	103.7	-35.79	-13,338.4	198.9	983.0	768.2	214.77	4.577
23,465.0	9,766.6	22,379.1	8,971.9	105.7	104.2	-35.79	-13,403.4	198.4	983.0	767.2	215.77	4.556
23,500.0	9,766.6	22,414.1	8,972.0	105.9	104.4	-35.79	-13,438.4	198.1	983.0	766.7	216.31	4.544
23,560.0	9,766.6	22,474.1	8,972.0	106.4	104.9	-35.79	-13,498.4	197.5	983.0	765.7	217.23	4.525
23,600.0	9,766.7	22,514.1	8,972.1	106.7	105.2	-35.79	-13,538.4	197.2	983.0	765.1	217.85	4.512
23,655.0	9,766.7	22,569.1	8,972.1	107.1	105.6	-35.80	-13,593.4	196.7	982.9	764.2	218.69	4.495
23,700.0	9,766.7	22,614.1	8,972.2	107.4	105.9	-35.80	-13,638.4	196.3	982.9	763.5	219.39	4.480
23,750.0	9,766.8	22,664.1	8,972.2	107.8	106.3	-35.80	-13,688.4	195.8	982.9	762.8	220.16	4.465
23,800.0	9,766.8	22,714.1	8,972.3	108.2	106.7	-35.80	-13,738.4	195.4	982.9	762.0	220.93	4.449
23,845.0	9,766.9	22,759.1	8,972.4	108.5	107.0	-35.80	-13,783.4	195.0	982.9	761.3	221.62	4.435
23,900.0	9,766.9	22,814.1	8,972.4	109.0	107.4	-35.80	-13,838.4	194.5	982.9	760.4	222.46	4.418
23,940.0	9,766.9	22,854.1	8,972.5	109.3	107.7	-35.80	-13,878.4	194.2	982.9	759.8	223.08	4.406
24,000.0	9,767.0	22,914.1	8,972.5	109.7	108.2	-35.80	-13,938.4	193.6	982.8	758.8	224.00	4.388
24,035.0	9,767.0	22,949.1	8,972.6	110.0	108.5	-35.80	-13,973.4	193.3	982.8	758.3	224.54	4.377
24,100.0	9,767.1	23,014.1	8,972.6	110.5	109.0	-35.80	-14,038.4	192.7	982.8	757.3	225.54	4.358
24,130.0	9,767.1	23,044.1	8,972.7	110.7	109.2	-35.80	-14,068.4	192.5	982.8	756.8	226.01	4.349
24,200.0	9,767.1	23,114.1	8,972.8	111.2	109.7	-35.80	-14,138.4	191.9	982.8	755.7	227.08	4.328
24,225.0	9,767.2	23,139.1	8,972.8	111.4	109.9	-35.80	-14,163.4	191.6	982.8	755.3	227.47	4.320
24,300.0	9,767.2	23,214.1	8,972.9	112.0	110.5	-35.80	-14,238.4	191.0	982.8	754.1	228.62	4.299
24,320.0	9,767.2	23,234.1	8,972.9	112.1	110.6	-35.80	-14,258.4	190.8	982.7	753.8	228.93	4.293
24,400.0	9,767.3	23,314.1	8,973.0	112.7	111.2	-35.80	-14,338.4	190.1	982.7	752.6	230.16	4.270
24,415.0	9,767.3	23,329.1	8,973.0	112.9	111.3	-35.80	-14,353.4	189.9	982.7	752.3	230.39	4.265
24,500.0	9,767.4	23,414.1	8,973.1	113.5	112.0	-35.81	-14,438.4	189.2	982.7	751.0	231.70	4.241
24,510.0	9,767.4	23,424.1	8,973.1	113.6	112.1	-35.81	-14,448.4	189.1	982.7	750.8	231.86	4.238
24,600.0	9,767.5	23,514.1	8,973.2	114.3	112.7	-35.81	-14,538.4	188.3	982.7	749.4	233.24	4.213

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #707H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8417-r.5 MWD+IFR1+MS											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	
24,605.0	9,767.5	23,519.1	8,973.2	114.3	112.8	-35.81	-14,543.4	188.3	982.7	749.3	233.32	4.212
24,700.0	9,767.5	23,614.1	8,973.3	115.0	113.5	-35.81	-14,638.4	187.4	982.6	747.9	234.79	4.185
24,795.0	9,767.6	23,709.1	8,973.4	115.7	114.2	-35.81	-14,733.4	186.6	982.6	746.4	236.25	4.159
24,800.0	9,767.6	23,714.1	8,973.4	115.8	114.3	-35.81	-14,738.4	186.5	982.6	746.3	236.33	4.158
24,890.0	9,767.7	23,804.1	8,973.6	116.5	114.9	-35.81	-14,828.4	185.7	982.6	744.9	237.71	4.133
24,900.0	9,767.7	23,814.1	8,973.6	116.5	115.0	-35.81	-14,838.4	185.6	982.6	744.7	237.87	4.131
24,985.0	9,767.8	23,899.1	8,973.7	117.2	115.7	-35.81	-14,923.4	184.9	982.6	743.4	239.18	4.108
25,000.0	9,767.8	23,914.1	8,973.7	117.3	115.8	-35.81	-14,938.4	184.8	982.6	743.1	239.41	4.104
25,080.0	9,767.8	23,994.1	8,973.8	117.9	116.4	-35.81	-15,018.3	184.0	982.5	741.9	240.64	4.083
25,100.0	9,767.9	24,014.1	8,973.8	118.0	116.5	-35.81	-15,038.3	183.9	982.5	741.6	240.95	4.078
25,154.5	9,767.9	24,068.6	8,973.9	118.5	116.9	-35.81	-15,092.8	183.4	982.5	740.7	241.79	4.064
25,175.0	9,767.9	24,089.1	8,973.9	118.6	117.1	-35.81	-15,113.3	183.2	982.5	740.4	242.10	4.058
25,200.0	9,767.9	24,114.1	8,973.9	118.8	117.3	-35.81	-15,138.3	183.0	982.5	740.0	242.49	4.052
25,270.0	9,768.0	24,184.1	8,974.0	119.3	117.8	-35.81	-15,208.3	182.4	982.5	738.9	243.57	4.034
25,282.0	9,768.0	24,196.1	8,974.0	119.4	117.9	-35.82	-15,220.3	182.3	982.5	738.7	243.75	4.031
25,284.5	9,768.0	24,197.9	8,974.0	119.4	117.9	-35.82	-15,222.2	182.2	982.5	738.7	243.79	4.030 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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.4	3.4	3.0	3.0	168.50	-149.4	30.4	152.5				
95.0	95.0	98.4	98.4	3.0	3.0	168.50	-149.4	30.4	152.5	146.4	6.04	25.251	
100.0	100.0	103.4	103.4	3.0	3.0	168.50	-149.4	30.4	152.5	146.4	6.04	25.226	
190.0	190.0	193.4	193.4	3.1	3.1	168.50	-149.4	30.4	152.5	146.2	6.26	24.339	
200.0	200.0	203.4	203.4	3.1	3.2	168.50	-149.4	30.4	152.5	146.2	6.30	24.213	
285.0	285.0	288.4	288.4	3.3	3.3	168.50	-149.4	30.4	152.5	146.0	6.51	23.436	
300.0	300.0	303.4	303.4	3.3	3.3	168.50	-149.4	30.4	152.5	145.9	6.55	23.289	
380.0	380.0	383.4	383.4	3.4	3.4	168.50	-149.4	30.4	152.5	145.7	6.74	22.615	
400.0	400.0	403.4	403.4	3.4	3.4	168.50	-149.4	30.4	152.5	145.7	6.79	22.441	
475.0	475.0	478.4	478.4	3.5	3.5	168.50	-149.4	30.4	152.5	145.5	6.98	21.856	
500.0	500.0	503.4	503.4	3.5	3.5	168.50	-149.4	30.4	152.5	145.4	7.04	21.659	
570.0	570.0	573.4	573.4	3.6	3.6	168.50	-149.4	30.4	152.5	145.3	7.21	21.151	
600.0	600.0	603.4	603.4	3.6	3.6	168.50	-149.4	30.4	152.5	145.2	7.28	20.933	
665.0	665.0	668.4	668.4	3.7	3.7	168.50	-149.4	30.4	152.5	145.0	7.44	20.495	
700.0	700.0	703.4	703.4	3.8	3.8	168.50	-149.4	30.4	152.5	144.9	7.53	20.259	
760.0	760.0	763.4	763.4	3.8	3.8	168.50	-149.4	30.4	152.5	144.8	7.67	19.881	
800.0	800.0	803.4	803.4	3.9	3.9	168.50	-149.4	30.4	152.5	144.7	7.77	19.631	
855.0	855.0	858.4	858.4	4.0	4.0	168.50	-149.4	30.4	152.5	144.6	7.90	19.306	
900.0	900.0	903.4	903.4	4.0	4.0	168.50	-149.4	30.4	152.5	144.5	8.01	19.043	
950.0	950.0	953.4	953.4	4.1	4.1	168.50	-149.4	30.4	152.5	144.3	8.12	18.766	
1,000.0	1,000.0	1,003.4	1,003.4	4.1	4.1	168.50	-149.4	30.4	152.5	144.2	8.24	18.492	
1,045.0	1,045.0	1,048.4	1,048.4	4.2	4.2	168.50	-149.4	30.4	152.5	144.1	8.35	18.258	
1,100.0	1,100.0	1,103.4	1,103.4	4.2	4.2	168.50	-149.4	30.4	152.5	144.0	8.48	17.975	
1,140.0	1,140.0	1,143.4	1,143.4	4.3	4.3	168.50	-149.4	30.4	152.5	143.9	8.58	17.778	
1,200.0	1,200.0	1,203.4	1,203.4	4.4	4.4	168.50	-149.4	30.4	152.5	143.7	8.72	17.487	
1,235.0	1,235.0	1,238.4	1,238.4	4.4	4.4	168.50	-149.4	30.4	152.5	143.7	8.80	17.324	
1,300.0	1,300.0	1,303.4	1,303.4	4.5	4.5	168.50	-149.4	30.4	152.5	143.5	8.95	17.027	
1,330.0	1,330.0	1,333.4	1,333.4	4.5	4.5	168.50	-149.4	30.4	152.5	143.4	9.02	16.895	
1,400.0	1,400.0	1,403.4	1,403.4	4.6	4.6	168.50	-149.4	30.4	152.5	143.3	9.19	16.592	
1,425.0	1,425.0	1,428.4	1,428.4	4.6	4.6	168.50	-149.4	30.4	152.5	143.2	9.25	16.487	
1,500.0	1,500.0	1,503.6	1,503.6	4.7	4.7	168.50	-149.4	30.4	152.5	143.0	9.43	16.175	
1,520.0	1,520.0	1,524.7	1,524.7	4.8	4.8	-164.66	-149.3	30.4	152.4	142.9	9.50	16.048	
1,600.0	1,600.0	1,609.0	1,608.9	4.9	4.9	-164.63	-147.6	29.4	152.3	142.4	9.82	15.500	
1,615.0	1,615.0	1,624.8	1,624.7	4.9	5.0	-164.62	-147.0	29.1	152.2	142.3	9.90	15.376	
1,700.0	1,699.8	1,714.3	1,714.1	5.2	5.2	-164.55	-142.3	26.7	151.9	141.6	10.34	14.692	
1,710.0	1,709.8	1,724.9	1,724.6	5.2	5.2	-164.54	-141.6	26.3	151.8	141.5	10.39	14.612	
1,800.0	1,799.5	1,819.7	1,819.0	5.4	5.5	-164.43	-133.6	22.1	151.4	140.5	10.88	13.917	
1,805.0	1,804.4	1,824.9	1,824.2	5.5	5.5	-164.42	-133.1	21.8	151.3	140.4	10.90	13.879	
1,900.0	1,898.7	1,925.0	1,923.4	5.7	5.8	-164.27	-121.6	15.7	150.7	139.3	11.40	13.221	
1,922.9	1,921.4	1,947.9	1,946.1	5.8	5.8	-164.23	-118.6	14.1	150.6	139.1	11.51	13.082 CC, ES	
1,995.0	1,992.5	2,020.0	2,017.4	6.0	6.0	-164.25	-109.2	9.2	151.5	139.6	11.89	12.740	
2,000.0	1,997.5	2,025.0	2,022.3	6.0	6.0	-164.26	-108.5	8.8	151.6	139.7	11.92	12.720	
2,090.0	2,085.8	2,114.9	2,111.3	6.4	6.2	-164.53	-96.7	2.6	155.3	142.8	12.45	12.470	
2,100.0	2,095.6	2,124.9	2,121.1	6.4	6.2	-164.58	-95.4	1.9	155.9	143.3	12.51	12.455	
2,125.2	2,120.2	2,150.0	2,146.0	6.4	6.3	-164.71	-92.2	0.2	157.5	144.8	12.63	12.465	
2,185.0	2,178.6	2,209.7	2,205.0	6.6	6.5	-165.04	-84.4	-3.9	161.5	148.6	12.95	12.472	
2,200.0	2,193.3	2,224.6	2,219.8	6.6	6.5	-165.13	-82.4	-5.0	162.6	149.5	13.03	12.471	
2,280.0	2,271.4	2,304.5	2,298.7	6.9	6.8	-165.55	-72.0	-10.5	168.0	154.5	13.52	12.428	
2,300.0	2,290.9	2,324.4	2,318.5	6.9	6.8	-165.65	-69.4	-11.9	169.4	155.7	13.64	12.415	
2,375.0	2,364.1	2,399.2	2,392.5	7.2	7.0	-166.01	-59.6	-17.0	174.5	160.4	14.12	12.357	
2,400.0	2,388.5	2,424.2	2,417.1	7.3	7.1	-166.13	-56.3	-18.7	176.2	161.9	14.28	12.335	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: Reference		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 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	
2,470.0	2,456.9	2,494.0	2,486.2	7.5	7.4	-166.45	-47.2	-23.6	181.0	166.2	14.75	12.269		
2,500.0	2,486.2	2,523.9	2,515.8	7.6	7.5	-166.58	-43.3	-25.6	183.1	168.1	14.96	12.239		
2,565.0	2,549.6	2,588.8	2,579.9	7.8	7.7	-166.85	-34.8	-30.1	187.5	172.1	15.41	12.169		
2,600.0	2,583.8	2,623.7	2,614.4	7.9	7.8	-166.99	-30.2	-32.5	189.9	174.3	15.65	12.131		
2,660.0	2,642.4	2,683.5	2,673.6	8.2	8.0	-167.22	-22.4	-36.6	194.0	177.9	16.09	12.062		
2,700.0	2,681.4	2,723.4	2,713.1	8.3	8.1	-167.37	-17.2	-39.4	196.8	180.4	16.38	12.016		
2,755.0	2,735.1	2,778.3	2,767.4	8.5	8.3	-167.58	-10.0	-43.2	200.6	183.8	16.78	11.950		
2,800.0	2,779.0	2,823.2	2,811.8	8.7	8.5	-167.73	-4.1	-46.3	203.6	186.5	17.12	11.897		
2,850.0	2,827.9	2,873.1	2,861.1	8.9	8.7	-167.90	2.4	-49.7	207.1	189.6	17.50	11.836		
2,900.0	2,876.7	2,922.9	2,910.4	9.1	8.9	-168.07	8.9	-53.2	210.5	192.6	17.88	11.777		
2,945.0	2,920.6	2,967.8	2,954.8	9.3	9.0	-168.21	14.8	-56.3	213.6	195.4	18.22	11.722		
3,000.0	2,974.3	3,022.7	3,009.1	9.5	9.2	-168.38	21.9	-60.0	217.4	198.8	18.65	11.657		
3,040.0	3,013.4	3,062.6	3,048.5	9.6	9.4	-168.50	27.2	-62.8	220.2	201.2	18.97	11.609		
3,100.0	3,071.9	3,122.4	3,107.7	9.9	9.6	-168.68	35.0	-66.9	224.3	204.9	19.44	11.539		
3,135.0	3,106.1	3,157.4	3,142.3	10.0	9.7	-168.78	39.6	-69.3	226.7	207.0	19.72	11.498		
3,200.0	3,169.6	3,222.2	3,206.4	10.3	10.0	-168.96	48.0	-73.8	231.2	211.0	20.24	11.423		
3,230.0	3,198.8	3,252.1	3,236.0	10.4	10.1	-169.04	51.9	-75.9	233.3	212.8	20.48	11.389		
3,300.0	3,267.2	3,322.0	3,305.1	10.7	10.4	-169.22	61.1	-80.7	238.1	217.1	21.05	11.311		
3,325.0	3,291.6	3,346.9	3,329.7	10.8	10.5	-169.28	64.3	-82.4	239.8	218.6	21.26	11.283		
3,400.0	3,364.8	3,421.7	3,403.7	11.1	10.8	-169.46	74.1	-87.6	245.0	223.1	21.87	11.202		
3,420.0	3,384.3	3,441.7	3,423.4	11.2	10.8	-169.51	76.7	-89.0	246.4	224.4	22.04	11.181		
3,500.0	3,462.4	3,521.5	3,502.4	11.6	11.1	-169.70	87.2	-94.5	251.9	229.2	22.70	11.097		
3,515.0	3,477.1	3,536.4	3,517.2	11.6	11.2	-169.73	89.1	-95.5	253.0	230.1	22.83	11.082		
3,600.0	3,560.1	3,621.2	3,601.0	12.0	11.5	-169.92	100.2	-101.4	258.8	235.3	23.54	10.996		
3,610.0	3,569.8	3,631.2	3,610.9	12.0	11.6	-169.94	101.5	-102.0	259.5	235.9	23.62	10.987		
3,700.0	3,657.7	3,721.0	3,699.7	12.4	11.9	-170.13	113.2	-108.2	265.8	241.4	24.38	10.900		
3,705.0	3,662.6	3,726.0	3,704.6	12.4	12.0	-170.14	113.9	-108.6	266.1	241.7	24.42	10.895		
3,800.0	3,755.3	3,820.7	3,798.3	12.9	12.3	-170.32	126.3	-115.1	272.7	247.5	25.23	10.807		
3,895.0	3,848.1	3,915.5	3,892.1	13.3	12.7	-170.50	138.7	-121.7	279.3	253.2	26.05	10.722		
3,900.0	3,853.0	3,920.5	3,897.0	13.3	12.7	-170.51	139.3	-122.0	279.6	253.5	26.09	10.718		
3,990.0	3,940.8	4,010.3	3,985.8	13.7	13.1	-170.68	151.1	-128.2	285.8	259.0	26.86	10.641		
4,000.0	3,950.6	4,020.3	3,995.7	13.7	13.1	-170.69	152.4	-128.9	286.5	259.6	26.95	10.632		
4,085.0	4,033.6	4,105.0	4,079.5	14.1	13.5	-170.84	163.5	-134.7	292.4	264.8	27.68	10.566		
4,088.3	4,036.8	4,108.3	4,082.8	14.1	13.5	-170.84	163.9	-135.0	292.7	265.0	27.70	10.564		
4,100.0	4,048.2	4,120.0	4,094.3	14.2	13.6	-170.87	165.4	-135.8	293.4	265.7	27.79	10.558		
4,180.0	4,126.6	4,196.4	4,169.9	14.5	13.8	-170.98	175.0	-140.9	298.0	269.5	28.47	10.467		
4,200.0	4,146.3	4,215.4	4,188.8	14.6	13.9	-171.00	177.3	-142.1	299.0	270.3	28.64	10.438		
4,275.0	4,220.2	4,286.6	4,259.4	15.0	14.2	-171.06	185.3	-146.3	301.9	272.6	29.26	10.318		
4,300.0	4,245.0	4,310.4	4,283.0	15.1	14.3	-171.08	187.8	-147.6	302.6	273.2	29.46	10.272		
4,370.0	4,314.4	4,376.9	4,349.1	15.4	14.6	-171.10	194.3	-151.0	304.1	274.1	30.01	10.134		
4,400.0	4,344.2	4,405.4	4,377.5	15.5	14.7	-171.10	196.8	-152.4	304.5	274.3	30.25	10.068		
4,465.0	4,408.9	4,467.2	4,439.0	15.8	14.9	-171.09	202.0	-155.1	304.8	274.0	30.72	9.920		
4,500.0	4,443.7	4,500.0	4,471.7	15.9	15.0	-171.07	204.5	-156.4	304.6	273.6	30.97	9.834		
4,560.0	4,503.6	4,557.4	4,528.9	16.2	15.2	-171.03	208.5	-158.5	303.7	272.4	31.38	9.680		
4,600.0	4,543.6	4,595.5	4,566.9	16.3	15.4	-171.00	210.8	-159.7	302.8	271.2	31.64	9.570		
4,655.0	4,598.5	4,647.7	4,619.0	16.5	15.6	-170.93	213.7	-161.3	301.1	269.1	31.95	9.422		
4,700.0	4,643.5	4,690.5	4,661.7	16.6	15.7	-170.86	215.7	-162.3	299.3	267.0	32.20	9.292		
4,713.5	4,657.0	4,703.3	4,674.5	16.6	15.7	-162.32	216.3	-162.6	298.6	266.4	32.25	9.259		
4,750.0	4,693.5	4,738.0	4,709.2	16.6	15.9	-162.38	217.7	-163.4	297.0	264.7	32.36	9.179		
4,800.0	4,743.5	4,785.5	4,756.7	16.6	16.0	-162.44	219.2	-164.2	295.2	262.7	32.50	9.082		
4,845.0	4,788.5	4,828.3	4,799.5	16.7	16.1	-162.48	220.4	-164.8	293.8	261.2	32.62	9.007		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside								Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,843.5	4,880.7	4,851.8	16.7	16.3	162.52	221.4	-165.3	292.7	259.9	32.76	8.933		
4,940.0	4,883.5	4,918.8	4,889.9	16.7	16.4	162.54	221.8	-165.6	292.1	259.3	32.84	8.896		
5,000.0	4,943.5	4,975.9	4,947.0	16.8	16.4	162.55	222.1	-165.7	291.8	258.9	32.91	8.866		
5,012.4	4,955.9	4,988.2	4,959.3	16.8	16.4	162.55	222.1	-165.7	291.8	258.9	32.93	8.863		
5,035.0	4,978.5	5,010.8	4,981.9	16.8	16.4	162.55	222.1	-165.7	291.8	258.9	32.95	8.858		
5,100.0	5,043.5	5,075.8	5,046.9	16.8	16.5	162.55	222.1	-165.7	291.8	258.8	33.02	8.838		
5,130.0	5,073.5	5,105.8	5,076.9	16.8	16.5	162.55	222.1	-165.7	291.8	258.8	33.06	8.828		
5,200.0	5,143.5	5,175.8	5,146.9	16.9	16.5	162.55	222.1	-165.7	291.8	258.7	33.14	8.807		
5,225.0	5,168.5	5,200.8	5,171.9	16.9	16.6	162.55	222.1	-165.7	291.8	258.7	33.16	8.800		
5,300.0	5,243.5	5,275.8	5,246.9	16.9	16.6	162.55	222.1	-165.7	291.8	258.6	33.25	8.777		
5,320.0	5,263.5	5,295.8	5,266.9	16.9	16.6	162.55	222.1	-165.7	291.8	258.6	33.27	8.771		
5,400.0	5,343.5	5,375.8	5,346.9	17.0	16.7	162.55	222.1	-165.7	291.8	258.5	33.37	8.746		
5,415.0	5,358.5	5,390.8	5,361.9	17.0	16.7	162.55	222.1	-165.7	291.8	258.4	33.38	8.742		
5,500.0	5,443.5	5,475.8	5,446.9	17.0	16.7	162.55	222.1	-165.7	291.8	258.3	33.48	8.716		
5,510.0	5,453.5	5,485.8	5,456.9	17.0	16.7	162.55	222.1	-165.7	291.8	258.3	33.49	8.713		
5,600.0	5,543.5	5,575.8	5,546.9	17.1	16.8	162.55	222.1	-165.7	291.8	258.2	33.60	8.686		
5,605.0	5,548.5	5,580.8	5,551.9	17.1	16.8	162.55	222.1	-165.7	291.8	258.2	33.60	8.685		
5,700.0	5,643.5	5,675.8	5,646.9	17.2	16.8	162.55	222.1	-165.7	291.8	258.1	33.71	8.656		
5,795.0	5,738.5	5,770.8	5,741.9	17.2	16.9	162.55	222.1	-165.7	291.8	258.0	33.82	8.628		
5,800.0	5,743.5	5,775.8	5,746.9	17.2	16.9	162.55	222.1	-165.7	291.8	258.0	33.83	8.626		
5,890.0	5,833.5	5,865.8	5,836.9	17.3	16.9	162.55	222.1	-165.7	291.8	257.9	33.94	8.600		
5,900.0	5,843.5	5,875.8	5,846.9	17.3	16.9	162.55	222.1	-165.7	291.8	257.9	33.95	8.597		
5,985.0	5,928.5	5,960.8	5,931.9	17.3	17.0	162.55	222.1	-165.7	291.8	257.8	34.05	8.571		
6,000.0	5,943.5	5,975.8	5,946.9	17.3	17.0	162.55	222.1	-165.7	291.8	257.8	34.06	8.567		
6,080.0	6,023.5	6,055.8	6,026.9	17.4	17.1	162.55	222.1	-165.7	291.8	257.7	34.16	8.543		
6,100.0	6,043.5	6,075.8	6,046.9	17.4	17.1	162.55	222.1	-165.7	291.8	257.6	34.18	8.537		
6,175.0	6,118.5	6,150.8	6,121.9	17.4	17.1	162.55	222.1	-165.7	291.8	257.6	34.27	8.515		
6,200.0	6,143.5	6,175.8	6,146.9	17.4	17.1	162.55	222.1	-165.7	291.8	257.5	34.30	8.508		
6,270.0	6,213.5	6,245.8	6,216.9	17.5	17.2	162.55	222.1	-165.7	291.8	257.4	34.38	8.487		
6,300.0	6,243.5	6,275.8	6,246.9	17.5	17.2	162.55	222.1	-165.7	291.8	257.4	34.42	8.479		
6,365.0	6,308.5	6,340.8	6,311.9	17.5	17.2	162.55	222.1	-165.7	291.8	257.3	34.50	8.460		
6,400.0	6,343.5	6,375.8	6,346.9	17.6	17.2	162.55	222.1	-165.7	291.8	257.3	34.54	8.449		
6,460.0	6,403.5	6,435.8	6,406.9	17.6	17.3	162.55	222.1	-165.7	291.8	257.2	34.61	8.432		
6,500.0	6,443.5	6,475.8	6,446.9	17.6	17.3	162.55	222.1	-165.7	291.8	257.2	34.66	8.420		
6,555.0	6,498.5	6,530.8	6,501.9	17.6	17.3	162.55	222.1	-165.7	291.8	257.1	34.72	8.404		
6,600.0	6,543.5	6,575.8	6,546.9	17.7	17.4	162.55	222.1	-165.7	291.8	257.0	34.78	8.391		
6,650.0	6,593.5	6,625.8	6,596.9	17.7	17.4	162.55	222.1	-165.7	291.8	257.0	34.84	8.377		
6,700.0	6,643.5	6,675.8	6,646.9	17.7	17.4	162.55	222.1	-165.7	291.8	256.9	34.90	8.362		
6,745.0	6,688.5	6,720.8	6,691.9	17.8	17.4	162.55	222.1	-165.7	291.8	256.9	34.95	8.349		
6,800.0	6,743.5	6,775.8	6,746.9	17.8	17.5	162.55	222.1	-165.7	291.8	256.8	35.02	8.334		
6,840.0	6,783.5	6,815.8	6,786.9	17.8	17.5	162.55	222.1	-165.7	291.8	256.8	35.07	8.322		
6,900.0	6,843.5	6,875.8	6,846.9	17.8	17.5	162.55	222.1	-165.7	291.8	256.7	35.14	8.305		
6,935.0	6,878.5	6,910.8	6,881.9	17.9	17.6	162.55	222.1	-165.7	291.8	256.6	35.18	8.295		
7,000.0	6,943.5	6,975.8	6,946.9	17.9	17.6	162.55	222.1	-165.7	291.8	256.6	35.26	8.277		
7,030.0	6,973.5	7,005.8	6,976.9	17.9	17.6	162.55	222.1	-165.7	291.8	256.5	35.30	8.268		
7,100.0	7,043.5	7,075.8	7,046.9	18.0	17.7	162.55	222.1	-165.7	291.8	256.4	35.38	8.248		
7,125.0	7,068.5	7,100.8	7,071.9	18.0	17.7	162.55	222.1	-165.7	291.8	256.4	35.41	8.241		
7,200.0	7,143.5	7,175.8	7,146.9	18.0	17.7	162.55	222.1	-165.7	291.8	256.3	35.50	8.220		
7,220.0	7,163.5	7,195.8	7,166.9	18.0	17.7	162.55	222.1	-165.7	291.8	256.3	35.53	8.214		
7,300.0	7,243.5	7,275.8	7,246.9	18.1	17.8	162.55	222.1	-165.7	291.8	256.2	35.62	8.192		
7,315.0	7,258.5	7,290.8	7,261.9	18.1	17.8	162.55	222.1	-165.7	291.8	256.2	35.64	8.187		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
7,400.0	7,343.5	7,375.8	7,346.9	18.1	17.8	162.55	222.1	-165.7	291.8	256.1	35.75	8.164	
7,410.0	7,353.5	7,385.8	7,356.9	18.2	17.8	162.55	222.1	-165.7	291.8	256.1	35.76	8.161	
7,500.0	7,443.5	7,475.8	7,446.9	18.2	17.9	162.55	222.1	-165.7	291.8	256.0	35.87	8.136	
7,505.0	7,448.5	7,480.8	7,451.9	18.2	17.9	162.55	222.1	-165.7	291.8	256.0	35.88	8.134	
7,600.0	7,543.5	7,575.8	7,546.9	18.3	18.0	162.55	222.1	-165.7	291.8	255.8	35.99	8.108	
7,695.0	7,638.5	7,670.8	7,641.9	18.3	18.0	162.55	222.1	-165.7	291.8	255.7	36.11	8.082	
7,700.0	7,643.5	7,675.8	7,646.9	18.3	18.0	162.55	222.1	-165.7	291.8	255.7	36.12	8.080	
7,790.0	7,733.5	7,765.8	7,736.9	18.4	18.1	162.55	222.1	-165.7	291.8	255.6	36.23	8.055	
7,800.0	7,743.5	7,775.8	7,746.9	18.4	18.1	162.55	222.1	-165.7	291.8	255.6	36.24	8.053	
7,885.0	7,828.5	7,860.8	7,831.9	18.4	18.1	162.55	222.1	-165.7	291.8	255.5	36.35	8.029	
7,900.0	7,843.5	7,875.8	7,846.9	18.4	18.1	162.55	222.1	-165.7	291.8	255.5	36.36	8.025	
7,980.0	7,923.5	7,955.8	7,926.9	18.5	18.2	162.55	222.1	-165.7	291.8	255.4	36.46	8.003	
8,000.0	7,943.5	7,975.8	7,946.9	18.5	18.2	162.55	222.1	-165.7	291.8	255.3	36.49	7.998	
8,075.0	8,018.5	8,050.8	8,021.9	18.6	18.3	162.55	222.1	-165.7	291.8	255.2	36.58	7.977	
8,100.0	8,043.5	8,075.8	8,046.9	18.6	18.3	162.55	222.1	-165.7	291.8	255.2	36.61	7.971	
8,170.0	8,113.5	8,145.8	8,116.9	18.6	18.3	162.55	222.1	-165.7	291.8	255.1	36.70	7.952	
8,200.0	8,143.5	8,175.8	8,146.9	18.6	18.3	162.55	222.1	-165.7	291.8	255.1	36.74	7.943	
8,265.0	8,208.5	8,240.8	8,211.9	18.7	18.4	162.55	222.1	-165.7	291.8	255.0	36.82	7.926	
8,300.0	8,243.5	8,275.8	8,246.9	18.7	18.4	162.55	222.1	-165.7	291.8	255.0	36.86	7.916	
8,360.0	8,303.5	8,335.8	8,306.9	18.7	18.4	162.55	222.1	-165.7	291.8	254.9	36.93	7.901	
8,400.0	8,343.5	8,375.8	8,346.9	18.8	18.5	162.55	222.1	-165.7	291.8	254.8	36.98	7.891	
8,401.3	8,344.8	8,377.1	8,348.2	18.8	18.5	162.55	222.1	-165.7	291.8	254.8	36.98	7.891	
8,455.0	8,398.5	8,421.7	8,392.8	18.8	18.5	162.57	221.8	-165.7	292.3	255.3	36.93	7.913	
8,500.0	8,443.5	8,450.0	8,421.1	18.8	18.5	162.67	220.2	-165.7	294.8	258.1	36.75	8.022	
8,550.0	8,493.5	8,485.1	8,456.0	18.8	18.5	162.90	216.2	-165.8	300.2	263.7	36.57	8.209	
8,600.0	8,543.5	8,517.8	8,488.2	18.9	18.6	163.22	210.6	-165.8	308.4	272.1	36.34	8.488	
8,645.0	8,588.5	8,550.0	8,519.5	18.9	18.6	163.62	203.3	-165.9	318.1	281.9	36.17	8.795	
8,700.0	8,643.5	8,580.8	8,549.1	18.9	18.7	164.07	194.7	-165.9	332.7	296.9	35.80	9.295	
8,740.0	8,683.5	8,600.0	8,567.3	19.0	18.7	164.38	188.5	-166.0	345.3	309.9	35.47	9.736	
8,800.0	8,743.5	8,639.7	8,604.1	19.0	18.7	165.07	173.9	-166.1	367.0	331.7	35.23	10.416	
8,835.0	8,778.5	8,650.0	8,613.5	19.0	18.7	165.26	169.6	-166.2	381.3	346.4	34.86	10.938	
8,900.0	8,843.5	8,700.0	8,658.0	19.1	18.8	166.21	146.8	-166.4	410.3	375.5	34.82	11.784	
8,930.0	8,873.5	8,700.0	8,658.0	19.1	18.8	166.21	146.8	-166.4	425.0	390.5	34.41	12.350	
9,000.0	8,943.5	8,750.0	8,700.3	19.1	18.9	167.17	120.2	-166.6	461.5	427.1	34.38	13.423	
9,025.0	8,968.5	8,750.0	8,700.3	19.1	18.9	167.17	120.2	-166.6	475.4	441.2	34.11	13.934	
9,100.0	9,043.5	8,786.4	8,729.5	19.2	18.9	167.87	98.5	-166.8	519.4	485.5	33.94	15.306	
9,120.0	9,063.5	8,800.0	8,740.1	19.2	18.9	168.13	89.9	-166.9	531.8	497.9	33.95	15.663	
9,200.0	9,143.5	8,825.5	8,759.4	19.3	19.0	168.60	73.2	-167.0	583.3	549.6	33.72	17.298	
9,215.0	9,158.5	8,831.0	8,763.4	19.3	19.0	168.70	69.5	-167.1	593.3	559.7	33.63	17.643	
9,239.5	9,183.0	8,850.0	8,777.1	19.3	19.0	169.04	56.4	-167.2	610.1	576.5	33.59	18.163	
9,250.0	9,193.5	8,850.0	8,777.1	19.3	19.0	-11.28	56.4	-167.2	617.1	583.6	33.53	18.404	
9,300.0	9,243.4	8,850.0	8,777.1	19.3	19.0	-10.46	56.4	-167.2	650.0	616.7	33.32	19.506	
9,310.0	9,253.4	8,865.0	8,787.6	19.3	19.0	-10.12	45.7	-167.3	656.1	622.6	33.42	19.629	
9,350.0	9,292.9	8,879.7	8,797.6	19.4	19.0	-9.44	35.0	-167.4	680.4	647.0	33.41	20.367	
9,400.0	9,341.4	8,900.0	8,811.1	19.4	19.0	-8.71	19.7	-167.5	708.9	675.5	33.42	21.212	
9,405.0	9,346.2	8,900.0	8,811.1	19.4	19.0	-8.66	19.7	-167.5	711.6	678.2	33.41	21.302	
9,450.0	9,388.8	8,917.1	8,821.9	19.5	19.1	-8.13	6.5	-167.6	735.1	701.7	33.42	21.995	
9,500.0	9,434.7	8,950.0	8,841.7	19.5	19.1	-7.58	-19.8	-167.8	759.3	725.8	33.55	22.632	
9,550.0	9,478.6	8,950.0	8,841.7	19.6	19.1	-7.27	-19.8	-167.8	780.6	747.2	33.48	23.319	
9,595.0	9,516.2	8,973.0	8,854.6	19.7	19.1	-6.95	-38.8	-168.0	797.9	764.4	33.57	23.766	
9,600.0	9,520.2	8,974.9	8,855.7	19.7	19.1	-6.92	-40.5	-168.0	799.7	766.2	33.58	23.815	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 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)		
9,650.0	9,559.3	9,000.0	8,868.8	19.7	19.2	-6.64	-61.8	-168.2	816.5	782.8	33.70	24.228
9,690.0	9,588.5	9,000.0	8,868.8	19.8	19.2	-6.50	-61.8	-168.2	828.1	794.4	33.71	24.568
9,700.0	9,595.5	9,000.0	8,868.8	19.8	19.2	-6.47	-61.8	-168.2	830.9	797.2	33.71	24.647
9,750.0	9,628.6	9,034.1	8,885.1	19.8	19.2	-6.27	-91.8	-168.5	842.3	808.4	33.91	24.842
9,785.0	9,649.8	9,050.0	8,892.1	19.9	19.2	-6.17	-106.1	-168.6	848.9	814.9	34.01	24.961
9,800.0	9,658.3	9,050.0	8,892.1	19.9	19.2	-6.15	-106.1	-168.6	851.4	817.4	34.03	25.019
9,850.0	9,684.4	9,073.9	8,901.8	20.0	19.2	-6.05	-127.9	-168.8	857.9	823.7	34.21	25.082
9,880.0	9,698.2	9,100.0	8,911.4	20.0	19.3	-6.01	-152.1	-169.0	860.9	826.5	34.35	25.059
9,900.0	9,706.7	9,100.0	8,911.4	20.0	19.3	-6.00	-152.1	-169.0	861.9	827.5	34.40	25.058
9,950.0	9,724.9	9,100.0	8,911.4	20.0	19.3	-5.98	-152.1	-169.0	863.5	829.0	34.53	25.010
9,975.0	9,732.5	9,123.9	8,919.3	20.1	19.3	-5.99	-174.7	-169.2	862.9	828.3	34.66	24.894
10,000.0	9,739.1	9,133.9	8,922.3	20.1	19.3	-6.00	-184.3	-169.3	862.0	827.2	34.77	24.794
10,050.0	9,749.0	9,150.0	8,926.7	20.1	19.3	-6.05	-199.7	-169.4	858.1	823.2	34.97	24.540
10,070.0	9,751.8	9,150.0	8,926.7	20.1	19.3	-6.07	-199.7	-169.4	856.0	821.0	35.04	24.430
10,100.0	9,754.6	9,173.9	8,932.5	20.1	19.3	-6.14	-222.9	-169.7	851.7	816.5	35.20	24.196
10,139.0	9,756.0	9,200.0	8,937.8	20.2	19.3	-6.25	-248.5	-169.9	845.0	809.6	35.38	23.887
10,165.0	9,756.0	9,200.0	8,937.8	20.2	19.3	-6.25	-248.5	-169.9	840.0	804.6	35.45	23.693
10,200.0	9,756.0	9,200.0	8,937.8	20.2	19.3	-6.25	-248.5	-169.9	834.5	798.9	35.57	23.462
10,260.0	9,756.1	9,250.0	8,944.6	20.2	19.4	-6.30	-298.0	-170.3	826.5	790.6	35.86	23.049
10,300.0	9,756.1	9,250.0	8,944.6	20.2	19.4	-6.30	-298.0	-170.3	822.4	786.4	36.02	22.833
10,355.0	9,756.2	9,277.3	8,946.4	20.3	19.4	-6.31	-325.2	-170.6	818.9	782.6	36.30	22.561
10,400.0	9,756.2	9,302.1	8,947.0	20.3	19.4	-6.32	-350.0	-170.8	817.7	781.2	36.53	22.383
10,450.0	9,756.2	9,337.0	8,947.1	20.3	19.4	-6.32	-384.9	-171.1	817.6	780.8	36.78	22.230
10,450.7	9,756.2	9,337.7	8,947.1	20.3	19.4	-6.32	-385.6	-171.1	817.6	780.8	36.78	22.228
10,500.0	9,756.3	9,387.0	8,947.1	20.3	19.4	-6.32	-434.9	-171.5	817.5	780.5	37.02	22.085
10,545.0	9,756.3	9,432.0	8,947.2	20.4	19.4	-6.32	-479.9	-171.9	817.5	780.2	37.26	21.943
10,600.0	9,756.4	9,487.0	8,947.3	20.4	19.5	-6.32	-534.9	-172.4	817.5	779.9	37.55	21.769
10,640.0	9,756.4	9,527.0	8,947.3	20.4	19.5	-6.32	-574.9	-172.8	817.4	779.6	37.79	21.633
10,700.0	9,756.4	9,587.0	8,947.4	20.5	19.5	-6.32	-634.9	-173.3	817.4	779.2	38.15	21.428
10,735.0	9,756.5	9,622.0	8,947.5	20.5	19.6	-6.32	-669.9	-173.6	817.4	779.0	38.37	21.303
10,800.0	9,756.5	9,687.0	8,947.6	20.6	19.6	-6.32	-734.9	-174.2	817.3	778.5	38.79	21.069
10,830.0	9,756.5	9,717.0	8,947.6	20.6	19.6	-6.32	-764.9	-174.5	817.3	778.3	39.00	20.956
10,900.0	9,756.6	9,787.0	8,947.7	20.7	19.7	-6.32	-834.9	-175.1	817.3	777.8	39.49	20.694
10,925.0	9,756.6	9,812.0	8,947.8	20.7	19.7	-6.32	-859.9	-175.3	817.2	777.6	39.68	20.597
11,000.0	9,756.7	9,887.0	8,947.9	20.8	19.8	-6.32	-934.9	-176.0	817.2	776.9	40.24	20.307
11,020.0	9,756.7	9,907.0	8,947.9	20.9	19.8	-6.32	-954.9	-176.1	817.2	776.8	40.40	20.228
11,100.0	9,756.8	9,987.0	8,948.0	21.0	19.9	-6.32	-1,034.9	-176.9	817.1	776.1	41.04	19.911
11,115.0	9,756.8	10,002.0	8,948.0	21.0	19.9	-6.32	-1,049.9	-177.0	817.1	775.9	41.16	19.851
11,200.0	9,756.8	10,087.0	8,948.2	21.2	20.0	-6.32	-1,134.9	-177.7	817.0	775.2	41.88	19.510
11,210.0	9,756.8	10,097.0	8,948.2	21.2	20.1	-6.32	-1,144.9	-177.8	817.0	775.1	41.96	19.470
11,300.0	9,756.9	10,187.0	8,948.3	21.4	20.2	-6.32	-1,234.9	-178.6	817.0	774.2	42.76	19.107
11,305.0	9,756.9	10,192.0	8,948.3	21.4	20.2	-6.32	-1,239.9	-178.7	817.0	774.2	42.80	19.086
11,400.0	9,757.0	10,287.0	8,948.5	21.6	20.4	-6.32	-1,334.9	-179.5	816.9	773.2	43.68	18.702
11,495.0	9,757.1	10,382.0	8,948.6	21.8	20.6	-6.32	-1,429.9	-180.4	816.8	772.3	44.59	18.320
11,500.0	9,757.1	10,387.0	8,948.6	21.8	20.6	-6.32	-1,434.9	-180.4	816.8	772.2	44.64	18.300
11,590.0	9,757.1	10,477.0	8,948.7	22.1	20.8	-6.32	-1,524.9	-181.2	816.8	771.3	45.53	17.940
11,600.0	9,757.2	10,487.0	8,948.8	22.1	20.8	-6.32	-1,534.9	-181.3	816.8	771.1	45.63	17.901
11,685.0	9,757.2	10,572.0	8,948.9	22.4	21.1	-6.32	-1,619.9	-182.1	816.7	770.2	46.50	17.565
11,700.0	9,757.2	10,587.0	8,948.9	22.5	21.1	-6.32	-1,634.9	-182.2	816.7	770.1	46.65	17.507
11,780.0	9,757.3	10,667.0	8,949.0	22.7	21.3	-6.32	-1,714.9	-182.9	816.7	769.2	47.49	17.196
11,800.0	9,757.3	10,687.0	8,949.0	22.8	21.4	-6.32	-1,734.9	-183.1	816.6	768.9	47.70	17.120

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 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	
11,875.0	9,757.4	10,762.0	8,949.2	23.1	21.7	-6.32	-1,809.9	-183.7	816.6	768.1	48.51	16.833
11,900.0	9,757.4	10,787.0	8,949.2	23.2	21.7	-6.32	-1,834.9	-184.0	816.6	767.8	48.78	16.739
11,970.0	9,757.5	10,857.0	8,949.3	23.5	22.0	-6.33	-1,904.9	-184.6	816.5	767.0	49.56	16.477
12,000.0	9,757.5	10,887.0	8,949.3	23.6	22.1	-6.33	-1,934.9	-184.8	816.5	766.6	49.89	16.366
12,065.0	9,757.5	10,952.0	8,949.4	23.9	22.4	-6.33	-1,999.9	-185.4	816.5	765.8	50.62	16.128
12,100.0	9,757.6	10,987.0	8,949.5	24.1	22.5	-6.33	-2,034.9	-185.7	816.4	765.4	51.02	16.002
12,160.0	9,757.6	11,047.0	8,949.6	24.4	22.8	-6.33	-2,094.9	-186.3	816.4	764.7	51.71	15.787
12,200.0	9,757.6	11,087.0	8,949.6	24.6	23.0	-6.33	-2,134.9	-186.6	816.4	764.2	52.17	15.647
12,255.0	9,757.7	11,142.0	8,949.7	24.9	23.2	-6.33	-2,189.8	-187.1	816.3	763.5	52.82	15.455
12,300.0	9,757.7	11,187.0	8,949.8	25.1	23.5	-6.33	-2,234.8	-187.5	816.3	762.9	53.35	15.301
12,350.0	9,757.8	11,237.0	8,949.9	25.4	23.7	-6.33	-2,284.8	-188.0	816.3	762.3	53.95	15.131
12,400.0	9,757.8	11,287.0	8,949.9	25.6	24.0	-6.33	-2,334.8	-188.4	816.2	761.7	54.54	14.965
12,445.0	9,757.8	11,332.0	8,950.0	25.9	24.2	-6.33	-2,379.8	-188.8	816.2	761.1	55.09	14.816
12,500.0	9,757.9	11,387.0	8,950.1	26.2	24.5	-6.33	-2,434.8	-189.3	816.2	760.4	55.76	14.638
12,540.0	9,757.9	11,427.0	8,950.1	26.4	24.7	-6.33	-2,474.8	-189.6	816.1	759.9	56.25	14.509
12,600.0	9,757.9	11,487.0	8,950.2	26.7	25.0	-6.33	-2,534.8	-190.2	816.1	759.1	56.99	14.320
12,635.0	9,758.0	11,522.0	8,950.3	26.9	25.2	-6.33	-2,569.8	-190.5	816.1	758.6	57.42	14.211
12,700.0	9,758.0	11,587.0	8,950.4	27.3	25.6	-6.33	-2,634.8	-191.1	816.0	757.8	58.24	14.013
12,730.0	9,758.1	11,617.0	8,950.4	27.5	25.8	-6.33	-2,664.8	-191.3	816.0	757.4	58.61	13.922
12,800.0	9,758.1	11,687.0	8,950.5	27.9	26.2	-6.33	-2,734.8	-191.9	816.0	756.5	59.50	13.714
12,825.0	9,758.1	11,712.0	8,950.6	28.1	26.3	-6.33	-2,759.8	-192.2	815.9	756.1	59.82	13.641
12,900.0	9,758.2	11,787.0	8,950.7	28.5	26.8	-6.33	-2,834.8	-192.8	815.9	755.1	60.77	13.425
12,920.0	9,758.2	11,807.0	8,950.7	28.7	26.9	-6.33	-2,854.8	-193.0	815.9	754.8	61.03	13.368
13,000.0	9,758.3	11,887.0	8,950.8	29.1	27.4	-6.33	-2,934.8	-193.7	815.8	753.8	62.06	13.145
13,015.0	9,758.3	11,902.0	8,950.8	29.2	27.5	-6.33	-2,949.8	-193.9	815.8	753.5	62.26	13.103
13,100.0	9,758.3	11,987.0	8,951.0	29.8	28.0	-6.33	-3,034.8	-194.6	815.7	752.4	63.37	12.873
13,110.0	9,758.4	11,997.0	8,951.0	29.8	28.1	-6.33	-3,044.8	-194.7	815.7	752.2	63.50	12.847
13,200.0	9,758.4	12,087.0	8,951.1	30.4	28.6	-6.33	-3,134.8	-195.5	815.7	751.0	64.68	12.611
13,205.0	9,758.4	12,092.0	8,951.1	30.4	28.7	-6.33	-3,139.8	-195.5	815.7	750.9	64.75	12.598
13,300.0	9,758.5	12,187.0	8,951.3	31.1	29.3	-6.33	-3,234.8	-196.4	815.6	749.6	66.01	12.356
13,395.0	9,758.6	12,282.0	8,951.4	31.7	29.9	-6.33	-3,329.8	-197.2	815.5	748.3	67.28	12.122
13,400.0	9,758.6	12,287.0	8,951.4	31.7	29.9	-6.33	-3,334.8	-197.3	815.5	748.2	67.34	12.110
13,490.0	9,758.7	12,377.0	8,951.5	32.3	30.5	-6.33	-3,424.8	-198.1	815.5	746.9	68.56	11.895
13,500.0	9,758.7	12,387.0	8,951.6	32.4	30.6	-6.33	-3,434.8	-198.2	815.5	746.8	68.69	11.872
13,585.0	9,758.7	12,472.0	8,951.7	32.9	31.1	-6.33	-3,519.8	-198.9	815.4	745.6	69.84	11.675
13,600.0	9,758.7	12,487.0	8,951.7	33.0	31.2	-6.33	-3,534.8	-199.0	815.4	745.4	70.05	11.641
13,680.0	9,758.8	12,567.0	8,951.8	33.6	31.8	-6.33	-3,614.8	-199.8	815.4	744.2	71.14	11.462
13,700.0	9,758.8	12,587.0	8,951.9	33.7	31.9	-6.33	-3,634.8	-199.9	815.3	743.9	71.41	11.418
13,775.0	9,758.9	12,662.0	8,952.0	34.2	32.4	-6.33	-3,709.8	-200.6	815.3	742.8	72.44	11.255
13,800.0	9,758.9	12,687.0	8,952.0	34.4	32.6	-6.33	-3,734.8	-200.8	815.3	742.5	72.78	11.201
13,870.0	9,759.0	12,757.0	8,952.1	34.8	33.0	-6.33	-3,804.8	-201.4	815.2	741.5	73.75	11.054
13,900.0	9,759.0	12,787.0	8,952.2	35.0	33.2	-6.33	-3,834.8	-201.7	815.2	741.0	74.16	10.992
13,965.0	9,759.0	12,852.0	8,952.3	35.5	33.7	-6.34	-3,899.8	-202.3	815.2	740.1	75.07	10.859
14,000.0	9,759.1	12,887.0	8,952.3	35.7	33.9	-6.34	-3,934.8	-202.6	815.1	739.6	75.55	10.789
14,060.0	9,759.1	12,947.0	8,952.4	36.1	34.3	-6.34	-3,994.8	-203.1	815.1	738.7	76.39	10.670
14,100.0	9,759.1	12,987.0	8,952.5	36.4	34.6	-6.34	-4,034.8	-203.5	815.1	738.1	76.95	10.593
14,155.0	9,759.2	13,042.0	8,952.5	36.8	35.0	-6.34	-4,089.8	-204.0	815.0	737.3	77.72	10.487
14,200.0	9,759.2	13,087.0	8,952.6	37.1	35.3	-6.34	-4,134.8	-204.4	815.0	736.6	78.35	10.402
14,250.0	9,759.3	13,137.0	8,952.7	37.4	35.6	-6.34	-4,184.8	-204.8	815.0	735.9	79.05	10.309
14,300.0	9,759.3	13,187.0	8,952.7	37.8	36.0	-6.34	-4,234.8	-205.3	814.9	735.2	79.75	10.218
14,345.0	9,759.3	13,232.0	8,952.8	38.1	36.3	-6.34	-4,279.8	-205.7	814.9	734.5	80.39	10.137

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 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)		
14,400.0	9,759.4	13,287.0	8,952.9	38.5	36.7	-6.34	-4,334.8	-206.2	814.9	733.7	81.17	10.039
14,440.0	9,759.4	13,327.0	8,953.0	38.8	37.0	-6.34	-4,374.8	-206.5	814.8	733.1	81.74	9.969
14,500.0	9,759.5	13,387.0	8,953.0	39.2	37.4	-6.34	-4,434.8	-207.0	814.8	732.2	82.59	9.866
14,535.0	9,759.5	13,422.0	8,953.1	39.4	37.6	-6.34	-4,469.8	-207.3	814.8	731.7	83.09	9.806
14,600.0	9,759.5	13,487.0	8,953.2	39.9	38.1	-6.34	-4,534.8	-207.9	814.7	730.7	84.01	9.698
14,630.0	9,759.6	13,517.0	8,953.2	40.1	38.3	-6.34	-4,564.8	-208.2	814.7	730.3	84.44	9.648
14,700.0	9,759.6	13,587.0	8,953.3	40.6	38.8	-6.34	-4,634.7	-208.8	814.7	729.2	85.44	9.535
14,725.0	9,759.6	13,612.0	8,953.4	40.8	39.0	-6.34	-4,659.7	-209.0	814.6	728.8	85.80	9.495
14,800.0	9,759.7	13,687.0	8,953.5	41.3	39.5	-6.34	-4,734.7	-209.7	814.6	727.7	86.88	9.377
14,820.0	9,759.7	13,707.0	8,953.5	41.4	39.6	-6.34	-4,754.7	-209.9	814.6	727.4	87.16	9.345
14,900.0	9,759.8	13,787.0	8,953.6	42.0	40.2	-6.34	-4,834.7	-210.6	814.5	726.2	88.31	9.223
14,915.0	9,759.8	13,802.0	8,953.7	42.1	40.3	-6.34	-4,849.7	-210.7	814.5	726.0	88.53	9.200
15,000.0	9,759.9	13,887.0	8,953.8	42.7	40.9	-6.34	-4,934.7	-211.5	814.4	724.7	89.76	9.074
15,010.0	9,759.9	13,897.0	8,953.8	42.8	41.0	-6.34	-4,944.7	-211.6	814.4	724.5	89.90	9.059
15,100.0	9,759.9	13,987.0	8,953.9	43.4	41.6	-6.34	-5,034.7	-212.4	814.4	723.2	91.20	8.929
15,105.0	9,759.9	13,992.0	8,953.9	43.5	41.7	-6.34	-5,039.7	-212.4	814.4	723.1	91.28	8.922
15,200.0	9,760.0	14,087.0	8,954.1	44.1	42.3	-6.34	-5,134.7	-213.3	814.3	721.7	92.66	8.789
15,295.0	9,760.1	14,182.0	8,954.2	44.8	43.0	-6.34	-5,229.7	-214.1	814.2	720.2	94.04	8.659
15,300.0	9,760.1	14,187.0	8,954.2	44.8	43.1	-6.34	-5,234.7	-214.1	814.2	720.1	94.11	8.652
15,390.0	9,760.2	14,277.0	8,954.4	45.5	43.7	-6.34	-5,324.7	-214.9	814.2	718.8	95.42	8.532
15,400.0	9,760.2	14,287.0	8,954.4	45.6	43.8	-6.34	-5,334.7	-215.0	814.2	718.6	95.57	8.519
15,485.0	9,760.2	14,372.0	8,954.5	46.2	44.4	-6.34	-5,419.7	-215.8	814.1	717.3	96.81	8.409
15,500.0	9,760.2	14,387.0	8,954.5	46.3	44.5	-6.34	-5,434.7	-215.9	814.1	717.1	97.03	8.390
15,580.0	9,760.3	14,467.0	8,954.6	46.9	45.1	-6.34	-5,514.7	-216.6	814.1	715.8	98.20	8.289
15,600.0	9,760.3	14,487.0	8,954.7	47.0	45.2	-6.34	-5,534.7	-216.8	814.0	715.5	98.50	8.265
15,675.0	9,760.4	14,562.0	8,954.8	47.5	45.8	-6.34	-5,609.7	-217.5	814.0	714.4	99.60	8.173
15,700.0	9,760.4	14,587.0	8,954.8	47.7	45.9	-6.34	-5,634.7	-217.7	814.0	714.0	99.97	8.142
15,770.0	9,760.5	14,657.0	8,954.9	48.2	46.5	-6.34	-5,704.7	-218.3	813.9	712.9	101.00	8.059
15,800.0	9,760.5	14,687.0	8,955.0	48.4	46.7	-6.34	-5,734.7	-218.6	813.9	712.5	101.44	8.024
15,865.0	9,760.5	14,752.0	8,955.1	48.9	47.1	-6.34	-5,799.7	-219.2	813.9	711.5	102.40	7.948
15,900.0	9,760.6	14,787.0	8,955.1	49.2	47.4	-6.35	-5,834.7	-219.5	813.8	710.9	102.91	7.908
15,960.0	9,760.6	14,847.0	8,955.2	49.6	47.8	-6.35	-5,894.7	-220.0	813.8	710.0	103.80	7.840
16,000.0	9,760.6	14,887.0	8,955.3	49.9	48.1	-6.35	-5,934.7	-220.4	813.8	709.4	104.39	7.795
16,055.0	9,760.7	14,942.0	8,955.3	50.3	48.5	-6.35	-5,989.7	-220.8	813.7	708.5	105.20	7.735
16,100.0	9,760.7	14,987.0	8,955.4	50.6	48.9	-6.35	-6,034.7	-221.2	813.7	707.8	105.87	7.686
16,150.0	9,760.8	15,037.0	8,955.5	51.0	49.2	-6.35	-6,084.7	-221.7	813.7	707.1	106.61	7.632
16,200.0	9,760.8	15,087.0	8,955.6	51.4	49.6	-6.35	-6,134.7	-222.1	813.6	706.3	107.35	7.579
16,245.0	9,760.8	15,132.0	8,955.6	51.7	49.9	-6.35	-6,179.7	-222.5	813.6	705.6	108.02	7.532
16,300.0	9,760.9	15,187.0	8,955.7	52.1	50.3	-6.35	-6,234.7	-223.0	813.6	704.7	108.84	7.475
16,340.0	9,760.9	15,227.0	8,955.8	52.4	50.6	-6.35	-6,274.7	-223.4	813.5	704.1	109.43	7.434
16,400.0	9,761.0	15,287.0	8,955.9	52.8	51.0	-6.35	-6,334.7	-223.9	813.5	703.2	110.33	7.374
16,435.0	9,761.0	15,322.0	8,955.9	53.1	51.3	-6.35	-6,369.7	-224.2	813.5	702.6	110.85	7.339
16,500.0	9,761.0	15,387.0	8,956.0	53.5	51.8	-6.35	-6,434.7	-224.8	813.4	701.6	111.81	7.275
16,530.0	9,761.1	15,417.0	8,956.0	53.8	52.0	-6.35	-6,464.7	-225.1	813.4	701.1	112.26	7.246
16,600.0	9,761.1	15,487.0	8,956.2	54.3	52.5	-6.35	-6,534.7	-225.7	813.4	700.0	113.31	7.178
16,625.0	9,761.1	15,512.0	8,956.2	54.5	52.7	-6.35	-6,559.7	-225.9	813.3	699.7	113.68	7.155
16,700.0	9,761.2	15,587.0	8,956.3	55.0	53.3	-6.35	-6,634.7	-226.6	813.3	698.5	114.80	7.084
16,720.0	9,761.2	15,607.0	8,956.3	55.2	53.4	-6.35	-6,654.7	-226.7	813.3	698.2	115.10	7.066
16,800.0	9,761.3	15,687.0	8,956.4	55.7	54.0	-6.35	-6,734.7	-227.5	813.2	696.9	116.30	6.993
16,815.0	9,761.3	15,702.0	8,956.5	55.9	54.1	-6.35	-6,749.7	-227.6	813.2	696.7	116.52	6.979
16,900.0	9,761.4	15,787.0	8,956.6	56.5	54.7	-6.35	-6,834.7	-228.3	813.2	695.4	117.79	6.903

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
16,910.0	9,761.4	15,797.0	8,956.6	56.6	54.8	-6.35	-6,844.7	-228.4	813.1	695.2	117.94	6.894		
17,000.0	9,761.4	15,887.0	8,956.7	57.2	55.5	-6.35	-6,934.7	-229.2	813.1	693.8	119.29	6.816		
17,005.0	9,761.4	15,892.0	8,956.8	57.3	55.5	-6.35	-6,939.7	-229.3	813.1	693.7	119.37	6.812		
17,100.0	9,761.5	15,987.0	8,956.9	58.0	56.2	-6.35	-7,034.7	-230.1	813.0	692.2	120.79	6.731		
17,195.0	9,761.6	16,082.0	8,957.0	58.7	56.9	-6.35	-7,129.6	-231.0	812.9	690.7	122.22	6.651		
17,200.0	9,761.6	16,087.0	8,957.0	58.7	56.9	-6.35	-7,134.6	-231.0	812.9	690.6	122.30	6.647		
17,290.0	9,761.7	16,177.0	8,957.2	59.4	57.6	-6.35	-7,224.6	-231.8	812.9	689.2	123.65	6.574		
17,300.0	9,761.7	16,187.0	8,957.2	59.4	57.7	-6.35	-7,234.6	-231.9	812.9	689.1	123.80	6.566		
17,385.0	9,761.7	16,272.0	8,957.3	60.1	58.3	-6.35	-7,319.6	-232.6	812.8	687.7	125.08	6.498		
17,400.0	9,761.8	16,287.0	8,957.3	60.2	58.4	-6.35	-7,334.6	-232.8	812.8	687.5	125.31	6.486		
17,480.0	9,761.8	16,367.0	8,957.5	60.8	59.0	-6.35	-7,414.6	-233.5	812.8	686.2	126.51	6.424		
17,500.0	9,761.8	16,387.0	8,957.5	60.9	59.2	-6.35	-7,434.6	-233.7	812.7	685.9	126.82	6.409		
17,575.0	9,761.9	16,462.0	8,957.6	61.5	59.7	-6.35	-7,509.6	-234.3	812.7	684.7	127.95	6.352		
17,600.0	9,761.9	16,487.0	8,957.6	61.6	59.9	-6.35	-7,534.6	-234.6	812.7	684.3	128.33	6.333		
17,670.0	9,762.0	16,557.0	8,957.7	62.2	60.4	-6.35	-7,604.6	-235.2	812.6	683.2	129.38	6.281		
17,700.0	9,762.0	16,587.0	8,957.8	62.4	60.6	-6.35	-7,634.6	-235.4	812.6	682.8	129.84	6.259		
17,765.0	9,762.0	16,652.0	8,957.9	62.9	61.1	-6.35	-7,699.6	-236.0	812.6	681.7	130.82	6.211		
17,800.0	9,762.1	16,687.0	8,957.9	63.1	61.4	-6.35	-7,734.6	-236.3	812.5	681.2	131.35	6.186		
17,860.0	9,762.1	16,747.0	8,958.0	63.6	61.8	-6.35	-7,794.6	-236.9	812.5	680.2	132.26	6.143		
17,900.0	9,762.1	16,787.0	8,958.1	63.9	62.1	-6.36	-7,834.6	-237.2	812.5	679.6	132.86	6.115		
17,955.0	9,762.2	16,842.0	8,958.2	64.3	62.5	-6.36	-7,889.6	-237.7	812.4	678.7	133.69	6.077		
18,000.0	9,762.2	16,887.0	8,958.2	64.6	62.9	-6.36	-7,934.6	-238.1	812.4	678.0	134.38	6.046		
18,050.0	9,762.3	16,937.0	8,958.3	65.0	63.2	-6.36	-7,984.6	-238.5	812.4	677.2	135.13	6.012		
18,100.0	9,762.3	16,987.0	8,958.4	65.4	63.6	-6.36	-8,034.6	-239.0	812.3	676.4	135.89	5.978		
18,145.0	9,762.3	17,032.0	8,958.4	65.7	64.0	-6.36	-8,079.6	-239.4	812.3	675.7	136.57	5.948		
18,200.0	9,762.4	17,087.0	8,958.5	66.1	64.4	-6.36	-8,134.6	-239.9	812.3	674.9	137.41	5.911		
18,240.0	9,762.4	17,127.0	8,958.6	66.4	64.7	-6.36	-8,174.6	-240.2	812.2	674.2	138.02	5.885		
18,300.0	9,762.5	17,187.0	8,958.7	66.8	65.1	-6.36	-8,234.6	-240.8	812.2	673.3	138.93	5.846		
18,335.0	9,762.5	17,222.0	8,958.7	67.1	65.4	-6.36	-8,269.6	-241.1	812.2	672.7	139.46	5.824		
18,400.0	9,762.5	17,287.0	8,958.8	67.6	65.9	-6.36	-8,334.6	-241.7	812.1	671.7	140.45	5.782		
18,430.0	9,762.6	17,317.0	8,958.9	67.8	66.1	-6.36	-8,364.6	-241.9	812.1	671.2	140.90	5.764		
18,500.0	9,762.6	17,387.0	8,959.0	68.3	66.6	-6.36	-8,434.6	-242.5	812.1	670.1	141.97	5.720		
18,525.0	9,762.6	17,412.0	8,959.0	68.5	66.8	-6.36	-8,459.6	-242.8	812.0	669.7	142.35	5.705		
18,600.0	9,762.7	17,487.0	8,959.1	69.1	67.3	-6.36	-8,534.6	-243.4	812.0	668.5	143.49	5.659		
18,620.0	9,762.7	17,507.0	8,959.1	69.2	67.5	-6.36	-8,554.6	-243.6	812.0	668.2	143.79	5.647		
18,700.0	9,762.8	17,587.0	8,959.3	69.8	68.1	-6.36	-8,634.6	-244.3	811.9	666.9	145.01	5.599		
18,715.0	9,762.8	17,602.0	8,959.3	69.9	68.2	-6.36	-8,649.6	-244.5	811.9	666.7	145.24	5.590		
18,800.0	9,762.9	17,687.0	8,959.4	70.6	68.8	-6.36	-8,734.6	-245.2	811.9	665.3	146.53	5.540		
18,810.0	9,762.9	17,697.0	8,959.4	70.6	68.9	-6.36	-8,744.6	-245.3	811.8	665.2	146.69	5.535		
18,900.0	9,762.9	17,787.0	8,959.6	71.3	69.6	-6.36	-8,834.6	-246.1	811.8	663.7	148.06	5.483		
18,905.0	9,762.9	17,792.0	8,959.6	71.4	69.6	-6.36	-8,839.6	-246.1	811.8	663.6	148.13	5.480		
19,000.0	9,763.0	17,887.0	8,959.7	72.1	70.3	-6.36	-8,934.6	-247.0	811.7	662.1	149.58	5.426		
19,095.0	9,763.1	17,982.0	8,959.8	72.8	71.0	-6.36	-9,029.6	-247.8	811.7	660.6	151.03	5.374		
19,100.0	9,763.1	17,987.0	8,959.9	72.8	71.1	-6.36	-9,034.6	-247.9	811.6	660.5	151.11	5.371		
19,190.0	9,763.2	18,077.0	8,960.0	73.5	71.8	-6.36	-9,124.6	-248.7	811.6	659.1	152.48	5.322		
19,200.0	9,763.2	18,087.0	8,960.0	73.6	71.8	-6.36	-9,134.6	-248.8	811.6	658.9	152.64	5.317		
19,285.0	9,763.2	18,172.0	8,960.1	74.2	72.5	-6.36	-9,219.6	-249.5	811.5	657.6	153.94	5.272		
19,300.0	9,763.3	18,187.0	8,960.1	74.3	72.6	-6.36	-9,234.6	-249.6	811.5	657.3	154.17	5.264		
19,380.0	9,763.3	18,267.0	8,960.3	74.9	73.2	-6.36	-9,314.6	-250.4	811.5	656.1	155.39	5.222		
19,400.0	9,763.3	18,287.0	8,960.3	75.1	73.3	-6.36	-9,334.6	-250.5	811.4	655.7	155.69	5.212		
19,475.0	9,763.4	18,362.0	8,960.4	75.6	73.9	-6.36	-9,409.6	-251.2	811.4	654.5	156.84	5.173		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 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)		
19,500.0	9,763.4	18,387.0	8,960.4	75.8	74.1	-6.36	-9,434.6	-251.4	811.4	654.1	157.22	5.161
19,570.0	9,763.5	18,457.0	8,960.5	76.3	74.6	-6.36	-9,504.6	-252.0	811.3	653.0	158.30	5.125
19,600.0	9,763.5	18,487.0	8,960.6	76.6	74.8	-6.36	-9,534.5	-252.3	811.3	652.6	158.75	5.110
19,665.0	9,763.5	18,552.0	8,960.7	77.0	75.3	-6.36	-9,599.5	-252.9	811.3	651.5	159.75	5.078
19,700.0	9,763.6	18,587.0	8,960.7	77.3	75.6	-6.36	-9,634.5	-253.2	811.2	651.0	160.29	5.061
19,760.0	9,763.6	18,647.0	8,960.8	77.8	76.0	-6.36	-9,694.5	-253.7	811.2	650.0	161.20	5.032
19,800.0	9,763.7	18,687.0	8,960.9	78.1	76.3	-6.36	-9,734.5	-254.1	811.2	649.4	161.82	5.013
19,855.0	9,763.7	18,742.0	8,961.0	78.5	76.7	-6.37	-9,789.5	-254.6	811.1	648.5	162.66	4.987
19,900.0	9,763.7	18,787.0	8,961.0	78.8	77.1	-6.37	-9,834.5	-255.0	811.1	647.7	163.35	4.965
19,950.0	9,763.8	18,837.0	8,961.1	79.2	77.5	-6.37	-9,884.5	-255.4	811.1	646.9	164.12	4.942
20,000.0	9,763.8	18,887.0	8,961.2	79.6	77.8	-6.37	-9,934.5	-255.9	811.0	646.1	164.88	4.919
20,045.0	9,763.8	18,932.0	8,961.2	79.9	78.2	-6.37	-9,979.5	-256.3	811.0	645.4	165.57	4.898
20,100.0	9,763.9	18,987.0	8,961.3	80.3	78.6	-6.37	-10,034.5	-256.7	811.0	644.5	166.42	4.873
20,140.0	9,763.9	19,027.0	8,961.4	80.6	78.9	-6.37	-10,074.5	-257.1	810.9	643.9	167.03	4.855
20,200.0	9,764.0	19,087.0	8,961.5	81.1	79.3	-6.37	-10,134.5	-257.6	810.9	642.9	167.95	4.828
20,235.0	9,764.0	19,122.0	8,961.5	81.3	79.6	-6.37	-10,169.5	-257.9	810.9	642.4	168.49	4.813
20,300.0	9,764.1	19,187.0	8,961.6	81.8	80.1	-6.37	-10,234.5	-258.5	810.8	641.3	169.49	4.784
20,330.0	9,764.1	19,217.0	8,961.7	82.0	80.3	-6.37	-10,264.5	-258.8	810.8	640.9	169.95	4.771
20,400.0	9,764.1	19,287.0	8,961.8	82.6	80.8	-6.37	-10,334.5	-259.4	810.8	639.7	171.02	4.741
20,425.0	9,764.1	19,312.0	8,961.8	82.7	81.0	-6.37	-10,359.5	-259.6	810.7	639.3	171.41	4.730
20,500.0	9,764.2	19,387.0	8,961.9	83.3	81.6	-6.37	-10,434.5	-260.3	810.7	638.1	172.56	4.698
20,520.0	9,764.2	19,407.0	8,962.0	83.5	81.7	-6.37	-10,454.5	-260.5	810.7	637.8	172.87	4.690
20,600.0	9,764.3	19,487.0	8,962.1	84.1	82.3	-6.37	-10,534.5	-261.2	810.6	636.5	174.10	4.656
20,615.0	9,764.3	19,502.0	8,962.1	84.2	82.5	-6.37	-10,549.5	-261.3	810.6	636.3	174.33	4.650
20,700.0	9,764.4	19,587.0	8,962.2	84.8	83.1	-6.37	-10,634.5	-262.1	810.6	634.9	175.63	4.615
20,710.0	9,764.4	19,597.0	8,962.2	84.9	83.2	-6.37	-10,644.5	-262.2	810.5	634.8	175.79	4.611
20,800.0	9,764.4	19,687.0	8,962.4	85.6	83.8	-6.37	-10,734.5	-263.0	810.5	633.3	177.17	4.575
20,805.0	9,764.5	19,692.0	8,962.4	85.6	83.9	-6.37	-10,739.5	-263.0	810.5	633.2	177.25	4.573
20,900.0	9,764.5	19,787.0	8,962.5	86.3	84.6	-6.37	-10,834.5	-263.8	810.4	631.7	178.71	4.535
20,995.0	9,764.6	19,882.0	8,962.7	87.0	85.3	-6.37	-10,929.5	-264.7	810.4	630.2	180.17	4.498
21,000.0	9,764.6	19,887.0	8,962.7	87.1	85.4	-6.37	-10,934.5	-264.7	810.3	630.1	180.25	4.496
21,090.0	9,764.7	19,977.0	8,962.8	87.7	86.0	-6.37	-11,024.5	-265.5	810.3	628.7	181.64	4.461
21,100.0	9,764.7	19,987.0	8,962.8	87.8	86.1	-6.37	-11,034.5	-265.6	810.3	628.5	181.79	4.457
21,185.0	9,764.8	20,072.0	8,962.9	88.5	86.8	-6.37	-11,119.5	-266.4	810.2	627.1	183.10	4.425
21,200.0	9,764.8	20,087.0	8,963.0	88.6	86.9	-6.37	-11,134.5	-266.5	810.2	626.9	183.33	4.419
21,280.0	9,764.8	20,167.0	8,963.1	89.2	87.5	-6.37	-11,214.5	-267.2	810.2	625.6	184.56	4.390
21,300.0	9,764.8	20,187.0	8,963.1	89.3	87.6	-6.37	-11,234.5	-267.4	810.1	625.3	184.87	4.382
21,375.0	9,764.9	20,262.0	8,963.2	89.9	88.2	-6.37	-11,309.5	-268.1	810.1	624.1	186.03	4.355
21,400.0	9,764.9	20,287.0	8,963.3	90.1	88.4	-6.37	-11,334.5	-268.3	810.1	623.7	186.41	4.346
21,470.0	9,765.0	20,357.0	8,963.4	90.6	88.9	-6.37	-11,404.5	-268.9	810.0	622.5	187.49	4.320
21,500.0	9,765.0	20,387.0	8,963.4	90.8	89.1	-6.37	-11,434.5	-269.2	810.0	622.1	187.95	4.310
21,565.0	9,765.1	20,452.0	8,963.5	91.3	89.6	-6.37	-11,499.5	-269.7	810.0	621.0	188.96	4.286
21,600.0	9,765.1	20,487.0	8,963.6	91.6	89.9	-6.37	-11,534.5	-270.1	809.9	620.4	189.50	4.274
21,660.0	9,765.1	20,547.0	8,963.6	92.0	90.3	-6.37	-11,594.5	-270.6	809.9	619.5	190.42	4.253
21,700.0	9,765.2	20,587.0	8,963.7	92.3	90.6	-6.37	-11,634.5	-270.9	809.9	618.8	191.04	4.239
21,755.0	9,765.2	20,642.0	8,963.8	92.8	91.0	-6.37	-11,689.5	-271.4	809.8	617.9	191.89	4.220
21,800.0	9,765.2	20,687.0	8,963.8	93.1	91.4	-6.38	-11,734.5	-271.8	809.8	617.2	192.58	4.205
21,850.0	9,765.3	20,737.0	8,963.9	93.5	91.8	-6.38	-11,784.5	-272.3	809.8	616.4	193.35	4.188
21,900.0	9,765.3	20,787.0	8,964.0	93.8	92.1	-6.38	-11,834.5	-272.7	809.7	615.6	194.13	4.171
21,945.0	9,765.4	20,832.0	8,964.1	94.2	92.5	-6.38	-11,879.5	-273.1	809.7	614.9	194.82	4.156
22,000.0	9,765.4	20,887.0	8,964.1	94.6	92.9	-6.38	-11,934.5	-273.6	809.7	614.0	195.67	4.138

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
22,040.0	9,765.4	20,927.0	8,964.2	94.9	93.2	-6.38	-11,974.4	-274.0	809.6	613.4	196.29	4.125		
22,100.0	9,765.5	20,987.0	8,964.3	95.4	93.7	-6.38	-12,034.4	-274.5	809.6	612.4	197.21	4.105		
22,135.0	9,765.5	21,022.0	8,964.3	95.6	93.9	-6.38	-12,069.4	-274.8	809.6	611.8	197.75	4.094		
22,200.0	9,765.6	21,087.0	8,964.4	96.1	94.4	-6.38	-12,134.4	-275.4	809.5	610.8	198.76	4.073		
22,230.0	9,765.6	21,117.0	8,964.5	96.3	94.6	-6.38	-12,164.4	-275.7	809.5	610.3	199.22	4.063		
22,300.0	9,765.6	21,187.0	8,964.6	96.9	95.2	-6.38	-12,234.4	-276.3	809.5	609.2	200.30	4.041		
22,325.0	9,765.7	21,212.0	8,964.6	97.1	95.4	-6.38	-12,259.4	-276.5	809.4	608.8	200.69	4.033		
22,400.0	9,765.7	21,287.0	8,964.7	97.6	95.9	-6.38	-12,334.4	-277.2	809.4	607.5	201.85	4.010		
22,420.0	9,765.7	21,307.0	8,964.8	97.8	96.1	-6.38	-12,354.4	-277.3	809.4	607.2	202.16	4.004		
22,500.0	9,765.8	21,387.0	8,964.9	98.4	96.7	-6.38	-12,434.4	-278.0	809.3	605.9	203.39	3.979		
22,515.0	9,765.8	21,402.0	8,964.9	98.5	96.8	-6.38	-12,449.4	-278.2	809.3	605.7	203.63	3.974		
22,600.0	9,765.9	21,487.0	8,965.0	99.1	97.4	-6.38	-12,534.4	-278.9	809.3	604.3	204.94	3.949		
22,610.0	9,765.9	21,497.0	8,965.0	99.2	97.5	-6.38	-12,544.4	-279.0	809.2	604.2	205.10	3.946		
22,700.0	9,766.0	21,587.0	8,965.2	99.9	98.2	-6.38	-12,634.4	-279.8	809.2	602.7	206.49	3.919		
22,705.0	9,766.0	21,592.0	8,965.2	99.9	98.2	-6.38	-12,639.4	-279.9	809.2	602.6	206.56	3.917		
22,800.0	9,766.0	21,687.0	8,965.3	100.6	98.9	-6.38	-12,734.4	-280.7	809.1	601.1	208.03	3.889		
22,895.0	9,766.1	21,782.0	8,965.5	101.4	99.7	-6.38	-12,829.4	-281.6	809.1	599.5	209.50	3.862		
22,900.0	9,766.1	21,787.0	8,965.5	101.4	99.7	-6.38	-12,834.4	-281.6	809.0	599.5	209.58	3.860		
22,990.0	9,766.2	21,877.0	8,965.6	102.1	100.4	-6.38	-12,924.4	-282.4	809.0	598.0	210.97	3.835		
23,000.0	9,766.2	21,887.0	8,965.6	102.2	100.5	-6.38	-12,934.4	-282.5	809.0	597.9	211.13	3.832		
23,085.0	9,766.3	21,972.0	8,965.7	102.8	101.1	-6.38	-13,019.4	-283.2	808.9	596.5	212.44	3.808		
23,100.0	9,766.3	21,987.0	8,965.8	102.9	101.2	-6.38	-13,034.4	-283.4	808.9	596.2	212.68	3.803		
23,180.0	9,766.3	22,067.0	8,965.9	103.5	101.8	-6.38	-13,114.4	-284.1	808.9	594.9	213.91	3.781		
23,200.0	9,766.3	22,087.0	8,965.9	103.7	102.0	-6.38	-13,134.4	-284.3	808.8	594.6	214.22	3.776		
23,275.0	9,766.4	22,162.0	8,966.0	104.2	102.5	-6.38	-13,209.4	-284.9	808.8	593.4	215.39	3.755		
23,300.0	9,766.4	22,187.0	8,966.1	104.4	102.7	-6.38	-13,234.4	-285.2	808.8	593.0	215.77	3.748		
23,370.0	9,766.5	22,257.0	8,966.2	104.9	103.3	-6.38	-13,304.4	-285.8	808.7	591.9	216.86	3.729		
23,400.0	9,766.5	22,287.0	8,966.2	105.2	103.5	-6.38	-13,334.4	-286.0	808.7	591.4	217.32	3.721		
23,465.0	9,766.6	22,352.0	8,966.3	105.7	104.0	-6.38	-13,399.4	-286.6	808.7	590.3	218.33	3.704		
23,500.0	9,766.6	22,387.0	8,966.4	105.9	104.2	-6.38	-13,434.4	-286.9	808.6	589.8	218.87	3.695		
23,560.0	9,766.6	22,447.0	8,966.5	106.4	104.7	-6.38	-13,494.4	-287.5	808.6	588.8	219.80	3.679		
23,600.0	9,766.7	22,487.0	8,966.5	106.7	105.0	-6.38	-13,534.4	-287.8	808.6	588.2	220.42	3.668		
23,655.0	9,766.7	22,542.0	8,966.6	107.1	105.4	-6.38	-13,589.4	-288.3	808.5	587.3	221.27	3.654		
23,700.0	9,766.7	22,587.0	8,966.7	107.4	105.8	-6.38	-13,634.4	-288.7	808.5	586.5	221.97	3.642		
23,750.0	9,766.8	22,637.0	8,966.7	107.8	106.1	-6.38	-13,684.4	-289.1	808.5	585.7	222.74	3.630		
23,800.0	9,766.8	22,687.0	8,966.8	108.2	106.5	-6.39	-13,734.4	-289.6	808.4	584.9	223.52	3.617		
23,845.0	9,766.9	22,732.0	8,966.9	108.5	106.9	-6.39	-13,779.4	-290.0	808.4	584.2	224.22	3.605		
23,900.0	9,766.9	22,787.0	8,967.0	109.0	107.3	-6.39	-13,834.4	-290.5	808.4	583.3	225.07	3.592		
23,940.0	9,766.9	22,827.0	8,967.0	109.3	107.6	-6.39	-13,874.4	-290.8	808.3	582.6	225.69	3.582		
24,000.0	9,767.0	22,887.0	8,967.1	109.7	108.0	-6.39	-13,934.4	-291.4	808.3	581.7	226.62	3.567		
24,035.0	9,767.0	22,922.0	8,967.2	110.0	108.3	-6.39	-13,969.4	-291.7	808.3	581.1	227.16	3.558		
24,100.0	9,767.1	22,987.0	8,967.2	110.5	108.8	-6.39	-14,034.4	-292.3	808.2	580.1	228.17	3.542		
24,130.0	9,767.1	23,017.0	8,967.3	110.7	109.0	-6.39	-14,064.4	-292.5	808.2	579.6	228.64	3.535		
24,200.0	9,767.1	23,087.0	8,967.4	111.2	109.5	-6.39	-14,134.4	-293.1	808.2	578.4	229.72	3.518		
24,225.0	9,767.2	23,112.0	8,967.4	111.4	109.7	-6.39	-14,159.4	-293.4	808.1	578.0	230.11	3.512		
24,300.0	9,767.2	23,187.0	8,967.5	112.0	110.3	-6.39	-14,234.4	-294.0	808.1	576.8	231.27	3.494		
24,320.0	9,767.2	23,207.0	8,967.6	112.1	110.5	-6.39	-14,254.4	-294.2	808.1	576.5	231.58	3.489		
24,400.0	9,767.3	23,287.0	8,967.7	112.7	111.1	-6.39	-14,334.4	-294.9	808.0	575.2	232.82	3.471		
24,415.0	9,767.3	23,302.0	8,967.7	112.9	111.2	-6.39	-14,349.4	-295.0	808.0	575.0	233.06	3.467		
24,500.0	9,767.4	23,387.0	8,967.8	113.5	111.8	-6.39	-14,434.3	-295.8	808.0	573.6	234.38	3.447		
24,510.0	9,767.4	23,397.0	8,967.9	113.6	111.9	-6.39	-14,444.3	-295.9	807.9	573.4	234.53	3.445		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #708H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8403-r.5 MWD+IFR1+MS						Offset Well Error:	3.0 usft			
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
24,600.0	9,767.5	23,487.0	8,968.0	114.3	112.6	-6.39	-14,534.3	-296.7	807.9	572.0	235.93	3.424
24,605.0	9,767.5	23,492.0	8,968.0	114.3	112.6	-6.39	-14,539.3	-296.7	807.9	571.9	236.01	3.423
24,700.0	9,767.5	23,587.0	8,968.1	115.0	113.3	-6.39	-14,634.3	-297.6	807.8	570.3	237.48	3.402
24,795.0	9,767.6	23,682.0	8,968.3	115.7	114.1	-6.39	-14,729.3	-298.4	807.8	568.8	238.95	3.380
24,800.0	9,767.6	23,687.0	8,968.3	115.8	114.1	-6.39	-14,734.3	-298.5	807.8	568.7	239.03	3.379
24,890.0	9,767.7	23,777.0	8,968.4	116.5	114.8	-6.39	-14,824.3	-299.3	807.7	567.3	240.43	3.359
24,900.0	9,767.7	23,787.0	8,968.4	116.5	114.8	-6.39	-14,834.3	-299.4	807.7	567.1	240.59	3.357
24,985.0	9,767.8	23,872.0	8,968.6	117.2	115.5	-6.39	-14,919.3	-300.1	807.6	565.7	241.90	3.339
25,000.0	9,767.8	23,887.0	8,968.6	117.3	115.6	-6.39	-14,934.3	-300.2	807.6	565.5	242.14	3.335
25,080.0	9,767.8	23,967.0	8,968.7	117.9	116.2	-6.39	-15,014.3	-301.0	807.6	564.2	243.38	3.318
25,100.0	9,767.9	23,987.0	8,968.7	118.0	116.4	-6.39	-15,034.3	-301.1	807.5	563.9	243.69	3.314
25,154.5	9,767.9	24,041.5	8,968.8	118.5	116.8	-6.39	-15,088.8	-301.6	807.5	563.0	244.54	3.302
25,175.0	9,767.9	24,062.0	8,968.8	118.6	116.9	-6.39	-15,109.3	-301.8	807.5	562.6	244.85	3.298
25,200.0	9,767.9	24,087.0	8,968.9	118.8	117.1	-6.39	-15,134.3	-302.0	807.5	562.2	245.24	3.293
25,270.0	9,768.0	24,157.0	8,969.0	119.3	117.7	-6.39	-15,204.3	-302.6	807.4	561.1	246.33	3.278
25,283.5	9,768.0	24,170.5	8,969.0	119.4	117.8	-6.39	-15,217.8	-302.8	807.4	560.9	246.54	3.275
25,284.5	9,768.0	24,170.7	8,969.0	119.4	117.8	-6.39	-15,218.0	-302.8	807.4	560.9	246.55	3.275 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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	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 Factor		
0.0	0.0	4.1	4.1	3.0	3.0	179.85	-150.0	0.4	150.0				
95.0	95.0	99.1	99.1	3.0	3.0	179.85	-150.0	0.4	150.0	144.0	6.04	24.843	
100.0	100.0	104.1	104.1	3.0	3.0	179.85	-150.0	0.4	150.0	144.0	6.04	24.817	
190.0	190.0	194.1	194.1	3.1	3.1	179.85	-150.0	0.4	150.0	143.7	6.27	23.941	
200.0	200.0	204.1	204.1	3.1	3.2	179.85	-150.0	0.4	150.0	143.7	6.30	23.818	
285.0	285.0	289.1	289.1	3.3	3.3	179.85	-150.0	0.4	150.0	143.5	6.51	23.052	
300.0	300.0	304.1	304.1	3.3	3.3	179.85	-150.0	0.4	150.0	143.5	6.55	22.908	
380.0	380.0	384.1	384.1	3.4	3.4	179.85	-150.0	0.4	150.0	143.3	6.74	22.242	
400.0	400.0	404.1	404.1	3.4	3.4	179.85	-150.0	0.4	150.0	143.2	6.80	22.071	
475.0	475.0	479.1	479.1	3.5	3.5	179.85	-150.0	0.4	150.0	143.0	6.98	21.493	
500.0	500.0	504.1	504.1	3.5	3.5	179.85	-150.0	0.4	150.0	143.0	7.04	21.298	
570.0	570.0	574.1	574.1	3.6	3.6	179.85	-150.0	0.4	150.0	142.8	7.21	20.797	
600.0	600.0	604.1	604.1	3.6	3.6	179.85	-150.0	0.4	150.0	142.7	7.29	20.582	
665.0	665.0	669.1	669.1	3.7	3.7	179.85	-150.0	0.4	150.0	142.6	7.44	20.148	
700.0	700.0	704.1	704.1	3.8	3.8	179.85	-150.0	0.4	150.0	142.5	7.53	19.916	
760.0	760.0	764.1	764.1	3.8	3.8	179.85	-150.0	0.4	150.0	142.3	7.68	19.542	
800.0	800.0	804.1	804.1	3.9	3.9	179.85	-150.0	0.4	150.0	142.2	7.77	19.295	
855.0	855.0	859.1	859.1	4.0	4.0	179.85	-150.0	0.4	150.0	142.1	7.91	18.974	
900.0	900.0	904.1	904.1	4.0	4.0	179.85	-150.0	0.4	150.0	142.0	8.02	18.714	
950.0	950.0	954.1	954.1	4.1	4.1	179.85	-150.0	0.4	150.0	141.9	8.13	18.439	
1,000.0	1,000.0	1,004.1	1,004.1	4.1	4.1	179.85	-150.0	0.4	150.0	141.7	8.26	18.169	
1,045.0	1,045.0	1,049.1	1,049.1	4.2	4.2	179.85	-150.0	0.4	150.0	141.6	8.36	17.936	
1,100.0	1,100.0	1,104.1	1,104.1	4.2	4.3	179.85	-150.0	0.4	150.0	141.5	8.50	17.657	
1,140.0	1,140.0	1,144.1	1,144.1	4.3	4.3	179.85	-150.0	0.4	150.0	141.4	8.59	17.462	
1,200.0	1,200.0	1,204.1	1,204.1	4.4	4.4	179.85	-150.0	0.4	150.0	141.3	8.73	17.174	
1,235.0	1,235.0	1,239.1	1,239.1	4.4	4.4	179.85	-150.0	0.4	150.0	141.2	8.82	17.013	
1,300.0	1,300.0	1,304.1	1,304.1	4.5	4.5	179.85	-150.0	0.4	150.0	141.0	8.97	16.719	
1,330.0	1,330.0	1,334.1	1,334.1	4.5	4.5	179.85	-150.0	0.4	150.0	141.0	9.04	16.588	
1,400.0	1,400.0	1,404.1	1,404.1	4.6	4.6	179.85	-150.0	0.4	150.0	140.8	9.21	16.288	
1,425.0	1,425.0	1,429.1	1,429.1	4.6	4.6	179.85	-150.0	0.4	150.0	140.7	9.27	16.185	
1,500.0	1,500.0	1,504.2	1,504.2	4.7	4.7	179.85	-150.0	0.4	150.0	140.6	9.45	15.880	
1,505.3	1,505.3	1,509.6	1,509.6	4.7	4.7	-153.31	-150.0	0.4	150.0	140.5	9.46	15.853 CC	
1,520.0	1,520.0	1,524.7	1,524.7	4.8	4.8	-153.29	-149.9	0.3	150.0	140.5	9.51	15.780 ES	
1,600.0	1,600.0	1,606.8	1,606.8	4.9	4.9	-152.96	-149.0	-1.3	150.6	140.9	9.75	15.444	
1,615.0	1,615.0	1,622.2	1,622.2	4.9	4.9	-152.85	-148.7	-1.9	150.8	141.0	9.81	15.367	
1,700.0	1,699.8	1,709.4	1,709.2	5.2	5.1	-152.00	-146.3	-6.3	152.6	142.5	10.17	15.011	
1,710.0	1,709.8	1,719.6	1,719.4	5.2	5.1	-151.87	-145.9	-6.9	152.9	142.7	10.21	14.976	
1,800.0	1,799.5	1,811.8	1,811.1	5.4	5.4	-150.49	-141.7	-14.4	156.1	145.5	10.58	14.750	
1,805.0	1,804.4	1,816.9	1,816.2	5.5	5.4	-150.40	-141.5	-14.9	156.3	145.7	10.60	14.741	
1,900.0	1,898.7	1,914.0	1,912.5	5.7	5.7	-148.50	-135.4	-25.7	161.2	150.2	11.00	14.654	
1,995.0	1,992.5	2,010.8	2,008.1	6.0	6.0	-146.27	-127.9	-39.3	167.5	156.1	11.39	14.710	
2,000.0	1,997.5	2,015.9	2,013.1	6.0	6.0	-146.15	-127.4	-40.0	167.9	156.5	11.41	14.717	
2,090.0	2,085.8	2,107.3	2,102.8	6.4	6.3	-143.80	-118.7	-55.6	175.5	163.8	11.77	14.908	
2,100.0	2,095.6	2,117.4	2,112.7	6.4	6.3	-143.53	-117.7	-57.5	176.5	164.7	11.81	14.937	
2,125.2	2,120.2	2,142.9	2,137.6	6.4	6.4	-142.85	-115.0	-62.3	178.9	167.0	11.88	15.059	
2,185.0	2,178.6	2,203.4	2,196.4	6.6	6.6	-141.14	-108.1	-74.6	184.8	172.7	12.07	15.314	
2,200.0	2,193.3	2,218.3	2,210.8	6.6	6.7	-140.70	-106.4	-77.8	186.2	174.1	12.11	15.377	
2,280.0	2,271.4	2,297.5	2,287.7	6.9	6.9	-138.45	-97.0	-94.5	194.2	181.8	12.39	15.673	
2,300.0	2,290.9	2,317.3	2,306.9	6.9	7.0	-137.92	-94.7	-98.7	196.2	183.7	12.46	15.748	
2,375.0	2,364.1	2,391.6	2,379.0	7.2	7.2	-136.01	-85.9	-114.4	203.9	191.2	12.72	16.027	
2,400.0	2,388.5	2,416.4	2,403.0	7.3	7.3	-135.41	-83.0	-119.6	206.5	193.7	12.81	16.121	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)			
2,470.0	2,456.9	2,485.7	2,470.3	7.5	7.6	-133.79	-74.8	-134.3	214.0	200.9	13.07	16.380		
2,500.0	2,486.2	2,515.5	2,499.2	7.6	7.7	-133.14	-71.3	-140.5	217.3	204.1	13.17	16.492		
2,565.0	2,549.6	2,579.9	2,561.6	7.8	7.9	-131.78	-63.7	-154.2	224.4	211.0	13.41	16.729		
2,600.0	2,583.8	2,614.5	2,595.3	7.9	8.0	-131.08	-59.6	-161.5	228.3	214.7	13.54	16.858		
2,660.0	2,642.4	2,674.0	2,653.0	8.2	8.3	-129.94	-52.6	-174.0	235.0	221.3	13.77	17.072		
2,700.0	2,681.4	2,713.6	2,691.4	8.3	8.4	-129.22	-47.9	-182.4	239.6	225.7	13.92	17.215		
2,755.0	2,735.1	2,768.1	2,744.3	8.5	8.6	-128.26	-41.5	-193.9	245.9	231.8	14.13	17.406		
2,800.0	2,779.0	2,812.7	2,787.5	8.7	8.8	-127.52	-36.3	-203.3	251.1	236.8	14.30	17.562		
2,850.0	2,827.9	2,862.2	2,835.6	8.9	9.0	-126.73	-30.4	-213.8	256.9	242.4	14.49	17.730		
2,900.0	2,876.7	2,911.8	2,883.7	9.1	9.2	-125.97	-24.6	-224.3	262.8	248.1	14.68	17.897		
2,945.0	2,920.6	2,956.3	2,926.9	9.3	9.4	-125.32	-19.3	-233.7	268.1	253.3	14.86	18.043		
3,000.0	2,974.3	3,010.8	2,979.8	9.5	9.6	-124.56	-12.9	-245.2	274.7	259.6	15.08	18.219		
3,040.0	3,013.4	3,050.5	3,018.2	9.6	9.7	-124.03	-8.2	-253.6	279.5	264.3	15.24	18.344		
3,100.0	3,071.9	3,109.9	3,075.9	9.9	10.0	-123.26	-1.2	-266.1	286.8	271.3	15.48	18.528		
3,135.0	3,106.1	3,144.6	3,109.6	10.0	10.1	-122.83	2.9	-273.5	291.0	275.4	15.62	18.632		
3,200.0	3,169.6	3,209.0	3,172.0	10.3	10.4	-122.07	10.5	-287.1	298.9	283.1	15.88	18.823		
3,230.0	3,198.8	3,238.7	3,200.9	10.4	10.5	-121.73	14.0	-293.3	302.6	286.6	16.00	18.908		
3,300.0	3,267.2	3,308.0	3,268.2	10.7	10.8	-120.97	22.2	-308.0	311.2	294.9	16.29	19.104		
3,325.0	3,291.6	3,332.8	3,292.2	10.8	10.9	-120.71	25.1	-313.2	314.3	297.9	16.40	19.171		
3,400.0	3,364.8	3,407.1	3,364.3	11.1	11.3	-119.96	33.9	-328.9	323.6	306.9	16.71	19.371		
3,420.0	3,384.3	3,426.9	3,383.5	11.2	11.3	-119.76	36.2	-333.1	326.1	309.3	16.79	19.422		
3,500.0	3,462.4	3,506.2	3,460.4	11.6	11.7	-119.02	45.5	-349.8	336.1	319.0	17.13	19.624		
3,515.0	3,477.1	3,521.0	3,474.8	11.6	11.8	-118.88	47.3	-353.0	338.0	320.8	17.19	19.661		
3,600.0	3,560.1	3,605.2	3,556.5	12.0	12.1	-118.14	57.2	-370.8	348.7	331.1	17.55	19.865		
3,610.0	3,569.8	3,615.2	3,566.2	12.0	12.2	-118.06	58.4	-372.9	350.0	332.4	17.60	19.888		
3,700.0	3,657.7	3,704.3	3,652.7	12.4	12.6	-117.33	68.9	-391.7	361.3	343.4	17.98	20.093		
3,705.0	3,662.6	3,709.3	3,657.5	12.4	12.6	-117.29	69.5	-392.8	362.0	344.0	18.01	20.104		
3,800.0	3,755.3	3,803.4	3,748.8	12.9	13.0	-116.57	80.6	-412.6	374.1	355.6	18.42	20.309		
3,895.0	3,848.1	3,897.5	3,840.1	13.3	13.4	-115.90	91.7	-432.5	386.2	367.4	18.84	20.503		
3,900.0	3,853.0	3,902.5	3,844.9	13.3	13.5	-115.87	92.3	-433.6	386.8	368.0	18.86	20.513		
3,990.0	3,940.8	3,991.6	3,931.4	13.7	13.9	-115.27	102.8	-452.4	398.4	379.1	19.26	20.688		
4,000.0	3,950.6	4,001.5	3,941.1	13.7	13.9	-115.20	104.0	-454.5	399.7	380.4	19.30	20.707		
4,085.0	4,033.6	4,085.7	4,022.8	14.1	14.3	-114.67	113.9	-472.3	410.6	390.9	19.67	20.874		
4,088.3	4,036.8	4,089.0	4,025.9	14.1	14.3	-114.65	114.3	-473.0	411.0	391.4	19.69	20.880		
4,100.0	4,048.2	4,100.6	4,037.2	14.2	14.4	-114.61	115.6	-475.4	412.5	392.8	19.73	20.908		
4,180.0	4,126.6	4,179.9	4,114.1	14.5	14.7	-114.14	125.0	-492.2	422.3	402.2	20.08	21.030		
4,200.0	4,146.3	4,199.7	4,133.3	14.6	14.8	-113.98	127.3	-496.4	424.6	404.4	20.17	21.056		
4,275.0	4,220.2	4,273.9	4,205.4	15.0	15.1	-113.25	136.1	-512.0	432.8	412.3	20.47	21.147		
4,300.0	4,245.0	4,298.7	4,229.4	15.1	15.3	-112.96	139.0	-517.3	435.4	414.8	20.56	21.172		
4,370.0	4,314.4	4,367.8	4,296.5	15.4	15.6	-112.02	147.2	-531.9	442.3	421.5	20.82	21.239		
4,400.0	4,344.2	4,397.4	4,325.2	15.5	15.7	-111.56	150.7	-538.1	445.1	424.2	20.93	21.261		
4,465.0	4,408.9	4,461.5	4,387.3	15.8	16.0	-110.47	158.2	-551.7	450.9	429.8	21.16	21.308		
4,500.0	4,443.7	4,495.9	4,420.7	15.9	16.2	-109.82	162.3	-558.9	453.9	432.7	21.29	21.327		
4,560.0	4,503.6	4,554.8	4,477.9	16.2	16.4	-108.62	169.2	-571.4	459.0	437.5	21.48	21.368		
4,600.0	4,543.6	4,594.7	4,516.6	16.3	16.6	-107.75	173.9	-579.8	462.2	440.6	21.61	21.389		
4,655.0	4,598.5	4,651.2	4,571.7	16.5	16.9	-106.50	180.1	-591.0	466.4	444.6	21.80	21.390		
4,700.0	4,643.5	4,697.7	4,617.1	16.6	17.1	-105.49	184.9	-599.5	469.5	447.5	21.97	21.366		
4,713.5	4,657.0	4,711.6	4,630.8	16.6	17.2	-132.03	186.2	-601.9	470.4	448.4	22.01	21.368		
4,750.0	4,693.5	4,749.6	4,668.0	16.6	17.4	-131.20	189.8	-608.2	472.7	450.6	22.14	21.354		
4,800.0	4,743.5	4,801.9	4,719.5	16.6	17.6	-130.16	194.2	-616.1	475.7	453.4	22.32	21.318		
4,845.0	4,788.5	4,849.2	4,766.2	16.7	17.8	-129.32	197.8	-622.7	478.3	455.8	22.48	21.277		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
4,900.0	4,843.5	4,907.3	4,823.8	16.7	18.1	-128.43	201.8	-629.7	481.2	458.5	22.69	21.211	
4,940.0	4,883.5	4,949.8	4,865.9	16.7	18.3	-127.86	204.3	-634.2	483.1	460.3	22.83	21.161	
5,000.0	4,943.5	5,013.8	4,929.6	16.8	18.5	-127.14	207.5	-640.0	485.6	462.5	23.04	21.073	
5,035.0	4,978.5	5,051.2	4,966.9	16.8	18.7	-126.79	209.1	-642.8	486.8	463.6	23.16	21.021	
5,100.0	5,043.5	5,121.0	5,036.5	16.8	18.9	-126.29	211.4	-646.9	488.6	465.2	23.36	20.915	
5,130.0	5,073.5	5,153.2	5,068.7	16.8	19.1	-126.12	212.2	-648.3	489.2	465.8	23.45	20.866	
5,200.0	5,143.5	5,228.6	5,144.0	16.9	19.3	-125.88	213.3	-650.3	490.1	466.5	23.61	20.756	
5,225.0	5,168.5	5,255.5	5,171.0	16.9	19.3	-125.84	213.5	-650.6	490.2	466.6	23.66	20.722	
5,300.0	5,243.5	5,332.2	5,247.6	16.9	19.4	-125.83	213.5	-650.7	490.3	466.5	23.77	20.628	
5,320.0	5,263.5	5,352.2	5,267.6	16.9	19.4	-125.83	213.5	-650.7	490.3	466.5	23.80	20.602	
5,400.0	5,343.5	5,432.2	5,347.6	17.0	19.4	-125.83	213.5	-650.7	490.3	466.4	23.92	20.495	
5,415.0	5,358.5	5,447.2	5,362.6	17.0	19.4	-125.83	213.5	-650.7	490.3	466.3	23.94	20.476	
5,500.0	5,443.5	5,532.2	5,447.6	17.0	19.5	-125.83	213.5	-650.7	490.3	466.2	24.08	20.364	
5,510.0	5,453.5	5,542.2	5,457.6	17.0	19.5	-125.83	213.5	-650.7	490.3	466.2	24.09	20.351	
5,600.0	5,543.5	5,632.2	5,547.6	17.1	19.5	-125.83	213.5	-650.7	490.3	466.1	24.23	20.235	
5,605.0	5,548.5	5,637.2	5,552.6	17.1	19.5	-125.83	213.5	-650.7	490.3	466.0	24.24	20.228	
5,700.0	5,643.5	5,732.2	5,647.6	17.2	19.5	-125.83	213.5	-650.7	490.3	465.9	24.38	20.106	
5,795.0	5,738.5	5,827.2	5,742.6	17.2	19.6	-125.83	213.5	-650.7	490.3	465.7	24.53	19.986	
5,800.0	5,743.5	5,832.2	5,747.6	17.2	19.6	-125.83	213.5	-650.7	490.3	465.7	24.54	19.980	
5,890.0	5,833.5	5,922.2	5,837.6	17.3	19.6	-125.83	213.5	-650.7	490.3	465.6	24.68	19.867	
5,900.0	5,843.5	5,932.2	5,847.6	17.3	19.6	-125.83	213.5	-650.7	490.3	465.6	24.69	19.855	
5,985.0	5,928.5	6,017.2	5,932.6	17.3	19.7	-125.83	213.5	-650.7	490.3	465.5	24.82	19.750	
6,000.0	5,943.5	6,032.2	5,947.6	17.3	19.7	-125.83	213.5	-650.7	490.3	465.4	24.85	19.732	
6,080.0	6,023.5	6,112.2	6,027.6	17.4	19.7	-125.83	213.5	-650.7	490.3	465.3	24.97	19.634	
6,100.0	6,043.5	6,132.2	6,047.6	17.4	19.7	-125.83	213.5	-650.7	490.3	465.3	25.00	19.610	
6,175.0	6,118.5	6,207.2	6,122.6	17.4	19.8	-125.83	213.5	-650.7	490.3	465.2	25.12	19.519	
6,200.0	6,143.5	6,232.2	6,147.6	17.4	19.8	-125.83	213.5	-650.7	490.3	465.1	25.16	19.489	
6,270.0	6,213.5	6,302.2	6,217.6	17.5	19.8	-125.83	213.5	-650.7	490.3	465.0	25.27	19.405	
6,300.0	6,243.5	6,332.2	6,247.6	17.5	19.8	-125.83	213.5	-650.7	490.3	465.0	25.31	19.370	
6,365.0	6,308.5	6,397.2	6,312.6	17.5	19.8	-125.83	213.5	-650.7	490.3	464.9	25.41	19.293	
6,400.0	6,343.5	6,432.2	6,347.6	17.6	19.9	-125.83	213.5	-650.7	490.3	464.8	25.47	19.252	
6,460.0	6,403.5	6,492.2	6,407.6	17.6	19.9	-125.83	213.5	-650.7	490.3	464.7	25.56	19.182	
6,500.0	6,443.5	6,532.2	6,447.6	17.6	19.9	-125.83	213.5	-650.7	490.3	464.7	25.62	19.136	
6,555.0	6,498.5	6,587.2	6,502.6	17.6	19.9	-125.83	213.5	-650.7	490.3	464.6	25.71	19.072	
6,600.0	6,543.5	6,632.2	6,547.6	17.7	20.0	-125.83	213.5	-650.7	490.3	464.5	25.78	19.021	
6,650.0	6,593.5	6,682.2	6,597.6	17.7	20.0	-125.83	213.5	-650.7	490.3	464.4	25.85	18.964	
6,700.0	6,643.5	6,732.2	6,647.6	17.7	20.0	-125.83	213.5	-650.7	490.3	464.3	25.93	18.907	
6,745.0	6,688.5	6,777.2	6,692.6	17.8	20.0	-125.83	213.5	-650.7	490.3	464.3	26.00	18.856	
6,800.0	6,743.5	6,832.2	6,747.6	17.8	20.0	-125.83	213.5	-650.7	490.3	464.2	26.09	18.795	
6,840.0	6,783.5	6,872.2	6,787.6	17.8	20.1	-125.83	213.5	-650.7	490.3	464.1	26.15	18.750	
6,900.0	6,843.5	6,932.2	6,847.6	17.8	20.1	-125.83	213.5	-650.7	490.3	464.0	26.24	18.684	
6,935.0	6,878.5	6,967.2	6,882.6	17.9	20.1	-125.83	213.5	-650.7	490.3	464.0	26.30	18.645	
7,000.0	6,943.5	7,032.2	6,947.6	17.9	20.1	-125.83	213.5	-650.7	490.3	463.9	26.40	18.574	
7,030.0	6,973.5	7,062.2	6,977.6	17.9	20.2	-125.83	213.5	-650.7	490.3	463.8	26.44	18.541	
7,100.0	7,043.5	7,132.2	7,047.6	18.0	20.2	-125.83	213.5	-650.7	490.3	463.7	26.55	18.465	
7,125.0	7,068.5	7,157.2	7,072.6	18.0	20.2	-125.83	213.5	-650.7	490.3	463.7	26.59	18.438	
7,200.0	7,143.5	7,232.2	7,147.6	18.0	20.2	-125.83	213.5	-650.7	490.3	463.6	26.71	18.358	
7,220.0	7,163.5	7,252.2	7,167.6	18.0	20.2	-125.83	213.5	-650.7	490.3	463.5	26.74	18.336	
7,300.0	7,243.5	7,332.2	7,247.6	18.1	20.3	-125.83	213.5	-650.7	490.3	463.4	26.86	18.252	
7,315.0	7,258.5	7,347.2	7,262.6	18.1	20.3	-125.83	213.5	-650.7	490.3	463.4	26.89	18.236	
7,400.0	7,343.5	7,432.2	7,347.6	18.1	20.3	-125.83	213.5	-650.7	490.3	463.3	27.02	18.147	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		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)	Factor		
7,410.0	7,353.5	7,442.2	7,357.6	18.2	20.3	-125.83	213.5	-650.7	490.3	463.2	27.03	18.136	
7,500.0	7,443.5	7,532.2	7,447.6	18.2	20.4	-125.83	213.5	-650.7	490.3	463.1	27.17	18.043	
7,505.0	7,448.5	7,537.2	7,452.6	18.2	20.4	-125.83	213.5	-650.7	490.3	463.1	27.18	18.038	
7,600.0	7,543.5	7,632.2	7,547.6	18.3	20.4	-125.83	213.5	-650.7	490.3	463.0	27.33	17.940	
7,695.0	7,638.5	7,727.2	7,642.6	18.3	20.5	-125.83	213.5	-650.7	490.3	462.8	27.48	17.844	
7,700.0	7,643.5	7,732.2	7,647.6	18.3	20.5	-125.83	213.5	-650.7	490.3	462.8	27.48	17.838	
7,790.0	7,733.5	7,822.2	7,737.6	18.4	20.5	-125.83	213.5	-650.7	490.3	462.7	27.62	17.748	
7,800.0	7,743.5	7,832.2	7,747.6	18.4	20.5	-125.83	213.5	-650.7	490.3	462.6	27.64	17.738	
7,885.0	7,828.5	7,917.2	7,832.6	18.4	20.6	-125.83	213.5	-650.7	490.3	462.5	27.77	17.653	
7,900.0	7,843.5	7,932.2	7,847.6	18.4	20.6	-125.83	213.5	-650.7	490.3	462.5	27.80	17.639	
7,980.0	7,923.5	8,012.2	7,927.6	18.5	20.6	-125.83	213.5	-650.7	490.3	462.4	27.92	17.560	
8,000.0	7,943.5	8,032.2	7,947.6	18.5	20.6	-125.83	213.5	-650.7	490.3	462.3	27.95	17.540	
8,075.0	8,018.5	8,107.2	8,022.6	18.6	20.7	-125.83	213.5	-650.7	490.3	462.2	28.07	17.467	
8,100.0	8,043.5	8,132.2	8,047.6	18.6	20.7	-125.83	213.5	-650.7	490.3	462.2	28.11	17.443	
8,170.0	8,113.5	8,202.2	8,117.6	18.6	20.7	-125.83	213.5	-650.7	490.3	462.1	28.22	17.376	
8,200.0	8,143.5	8,232.2	8,147.6	18.6	20.7	-125.83	213.5	-650.7	490.3	462.0	28.26	17.347	
8,265.0	8,208.5	8,297.2	8,212.6	18.7	20.8	-125.83	213.5	-650.7	490.3	461.9	28.36	17.285	
8,300.0	8,243.5	8,332.2	8,247.6	18.7	20.8	-125.83	213.5	-650.7	490.3	461.9	28.42	17.252	
8,360.0	8,303.5	8,392.2	8,307.6	18.7	20.8	-125.83	213.5	-650.7	490.3	461.8	28.51	17.195	
8,400.0	8,343.5	8,432.2	8,347.6	18.8	20.8	-125.83	213.5	-650.7	490.3	461.7	28.56	17.165	
8,455.0	8,398.5	8,473.9	8,399.3	18.8	20.8	-125.89	212.9	-650.7	490.8	462.2	28.66	17.125	
8,500.0	8,443.5	8,500.0	8,415.4	18.8	20.8	-126.05	211.1	-650.7	492.8	464.0	28.76	17.136	
8,550.0	8,493.5	8,536.2	8,451.3	18.8	20.9	-126.47	206.7	-650.8	496.5	467.7	28.84	17.220	
8,600.0	8,543.5	8,588.3	8,482.8	18.9	20.9	-127.00	200.8	-650.8	502.1	473.2	28.92	17.362	
8,645.0	8,588.5	8,600.0	8,513.6	18.9	20.9	-127.68	193.4	-650.9	508.7	479.7	28.98	17.553	
8,700.0	8,643.5	8,630.0	8,542.4	18.9	20.9	-128.45	184.7	-651.0	518.7	489.6	29.08	17.834	
8,740.0	8,683.5	8,650.0	8,561.3	19.0	20.9	-129.02	178.1	-651.0	527.4	498.2	29.17	18.081	
8,800.0	8,743.5	8,687.7	8,596.2	19.0	20.9	-130.22	163.9	-651.1	542.8	513.5	29.27	18.544	
8,835.0	8,778.5	8,700.0	8,607.4	19.0	20.9	-130.65	158.8	-651.2	553.1	523.7	29.37	18.828	
8,900.0	8,843.5	8,750.0	8,651.6	19.1	21.0	-132.51	135.5	-651.4	574.6	545.2	29.46	19.507	
8,930.0	8,873.5	8,750.0	8,651.6	19.1	21.0	-132.51	135.5	-651.4	585.5	555.9	29.60	19.780	
9,000.0	8,943.5	8,788.6	8,684.3	19.1	21.0	-134.06	115.0	-651.6	613.7	584.0	29.78	20.609	
9,025.0	8,968.5	8,800.0	8,693.6	19.1	21.0	-134.53	108.5	-651.6	624.7	594.8	29.86	20.922	
9,100.0	9,043.5	8,831.7	8,719.0	19.2	21.0	-135.88	89.5	-651.8	660.1	630.0	30.12	21.920	
9,120.0	9,063.5	8,850.0	8,733.2	19.2	21.0	-136.67	77.9	-651.9	670.4	640.2	30.15	22.238	
9,200.0	9,143.5	8,870.2	8,748.4	19.3	21.0	-137.54	64.6	-652.0	713.1	682.6	30.49	23.385	
9,215.0	9,158.5	8,875.6	8,752.3	19.3	21.0	-137.78	60.9	-652.1	721.6	691.0	30.52	23.638	
9,239.5	9,183.0	8,884.2	8,758.6	19.3	21.1	-138.16	55.0	-652.1	735.7	705.1	30.58	24.060	
9,250.0	9,193.5	8,900.0	8,769.9	19.3	21.1	40.18	44.0	-652.2	742.0	711.4	30.56	24.275	
9,300.0	9,243.4	8,900.0	8,769.9	19.3	21.1	38.05	44.0	-652.2	770.0	739.1	30.85	24.959	
9,310.0	9,253.4	8,900.0	8,769.9	19.3	21.1	37.64	44.0	-652.2	775.5	744.6	30.91	25.091	
9,350.0	9,292.9	8,923.6	8,786.1	19.4	21.1	35.40	26.9	-652.4	796.6	765.5	31.05	25.652	
9,400.0	9,341.4	8,950.0	8,803.5	19.4	21.1	33.09	7.0	-652.5	821.7	790.4	31.26	26.283	
9,405.0	9,346.2	8,950.0	8,803.5	19.4	21.1	32.94	7.0	-652.5	824.0	792.7	31.29	26.332	
9,450.0	9,388.8	8,950.0	8,803.5	19.5	21.1	31.68	7.0	-652.5	844.9	813.3	31.59	26.749	
9,500.0	9,434.7	8,979.4	8,821.7	19.5	21.1	29.93	-16.1	-652.7	866.1	834.3	31.81	27.223	
9,550.0	9,478.6	9,000.0	8,833.8	19.6	21.1	28.60	-32.8	-652.9	885.3	853.3	32.09	27.591	
9,595.0	9,516.2	9,015.8	8,842.6	19.7	21.2	27.63	-45.9	-653.0	900.9	868.5	32.36	27.841	
9,600.0	9,520.2	9,017.7	8,843.6	19.7	21.2	27.53	-47.5	-653.0	902.5	870.1	32.39	27.865	
9,650.0	9,559.3	9,050.0	8,860.4	19.7	21.2	26.50	-75.0	-653.3	917.7	885.1	32.64	28.114	
9,690.0	9,588.5	9,050.0	8,860.4	19.8	21.2	26.03	-75.0	-653.3	927.9	894.9	32.96	28.150	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.0	9,595.5	9,050.0	8,860.4	19.8	21.2	25.93	-75.0	-653.3	930.3	897.2	33.04	28.154	
9,750.0	9,628.6	9,076.3	8,872.9	19.8	21.2	25.30	-98.1	-653.5	940.7	907.3	33.35	28.209	
9,785.0	9,649.8	9,100.0	8,883.3	19.9	21.2	24.93	-119.5	-653.7	946.7	913.2	33.54	28.226	
9,800.0	9,658.3	9,100.0	8,883.3	19.9	21.2	24.84	-119.5	-653.7	948.8	915.1	33.67	28.179	
9,850.0	9,684.4	9,115.7	8,889.7	20.0	21.2	24.55	-133.8	-653.8	954.6	920.5	34.05	28.038	
9,880.0	9,698.2	9,127.6	8,894.3	20.0	21.3	24.43	-144.8	-653.9	956.9	922.6	34.26	27.926	
9,900.0	9,706.7	9,150.0	8,902.3	20.0	21.3	24.35	-165.7	-654.1	958.2	923.9	34.34	27.902	
9,950.0	9,724.9	9,150.0	8,902.3	20.0	21.3	24.32	-165.7	-654.1	958.9	924.1	34.81	27.546	
9,975.0	9,732.5	9,165.2	8,907.2	20.1	21.3	24.34	-180.1	-654.2	958.5	923.5	34.98	27.403	
10,000.0	9,739.1	9,175.1	8,910.2	20.1	21.3	24.40	-189.5	-654.3	957.5	922.3	35.17	27.224	
10,050.0	9,749.0	9,200.0	8,917.1	20.1	21.3	24.61	-213.5	-654.5	953.7	918.2	35.53	26.838	
10,070.0	9,751.8	9,200.0	8,917.1	20.1	21.3	24.70	-213.5	-654.5	951.5	915.7	35.74	26.626	
10,100.0	9,754.6	9,200.0	8,917.1	20.1	21.3	24.86	-213.5	-654.5	947.7	911.7	36.04	26.298	
10,139.0	9,756.0	9,230.0	8,924.0	20.2	21.4	25.28	-242.6	-654.7	941.0	904.7	36.26	25.953	
10,165.0	9,756.0	9,250.0	8,927.7	20.2	21.4	25.38	-262.3	-654.9	936.5	900.1	36.39	25.736	
10,200.0	9,756.0	9,250.0	8,927.7	20.2	21.4	25.38	-262.3	-654.9	930.9	894.2	36.73	25.348	
10,260.0	9,756.1	9,278.2	8,931.8	20.2	21.4	25.49	-290.2	-655.2	923.2	886.1	37.17	24.839	
10,300.0	9,756.1	9,300.0	8,934.0	20.2	21.4	25.55	-311.9	-655.4	919.5	882.0	37.45	24.552	
10,355.0	9,756.2	9,316.9	8,935.2	20.3	21.5	25.58	-328.7	-655.5	915.8	877.9	37.93	24.147	
10,400.0	9,756.2	9,346.7	8,936.0	20.3	21.5	25.60	-358.5	-655.8	914.5	876.3	38.22	23.926	
10,450.0	9,756.2	9,368.9	8,936.0	20.3	21.5	25.60	-380.7	-656.0	914.0	875.4	38.61	23.672	
10,500.0	9,756.3	9,418.9	8,936.1	20.3	21.6	25.60	-430.7	-656.4	914.0	875.2	38.83	23.538	
10,545.0	9,756.3	9,463.9	8,936.2	20.4	21.7	25.60	-475.7	-656.8	914.0	874.9	39.05	23.406	
10,600.0	9,756.4	9,518.9	8,936.3	20.4	21.7	25.60	-530.7	-657.3	913.9	874.6	39.32	23.244	
10,640.0	9,756.4	9,558.9	8,936.3	20.4	21.8	25.60	-570.7	-657.7	913.9	874.4	39.53	23.116	
10,700.0	9,756.4	9,618.9	8,936.4	20.5	21.9	25.61	-630.7	-658.2	913.9	874.0	39.86	22.925	
10,735.0	9,756.5	9,653.9	8,936.5	20.5	22.0	25.61	-665.7	-658.5	913.8	873.8	40.07	22.806	
10,800.0	9,756.5	9,718.9	8,936.6	20.6	22.1	25.61	-730.7	-659.1	913.8	873.3	40.46	22.585	
10,830.0	9,756.5	9,748.9	8,936.6	20.6	22.2	25.61	-760.7	-659.3	913.8	873.1	40.65	22.477	
10,900.0	9,756.6	9,818.9	8,936.8	20.7	22.3	25.61	-830.7	-660.0	913.7	872.6	41.11	22.228	
10,925.0	9,756.6	9,843.9	8,936.8	20.7	22.4	25.61	-855.7	-660.2	913.7	872.4	41.28	22.134	
11,000.0	9,756.7	9,918.9	8,936.9	20.8	22.5	25.61	-930.7	-660.9	913.6	871.8	41.80	21.856	
11,020.0	9,756.7	9,938.9	8,937.0	20.9	22.6	25.61	-950.7	-661.0	913.6	871.7	41.95	21.779	
11,100.0	9,756.8	10,018.9	8,937.1	21.0	22.8	25.61	-1,030.7	-661.7	913.6	871.0	42.54	21.473	
11,115.0	9,756.8	10,033.9	8,937.1	21.0	22.8	25.61	-1,045.7	-661.9	913.5	870.9	42.66	21.414	
11,200.0	9,756.8	10,118.9	8,937.2	21.2	23.1	25.62	-1,130.7	-662.6	913.5	870.2	43.33	21.083	
11,210.0	9,756.8	10,128.9	8,937.3	21.2	23.1	25.62	-1,140.7	-662.7	913.5	870.1	43.41	21.043	
11,300.0	9,756.9	10,218.9	8,937.4	21.4	23.3	25.62	-1,230.7	-663.5	913.4	869.3	44.15	20.687	
11,305.0	9,756.9	10,223.9	8,937.4	21.4	23.4	25.62	-1,235.7	-663.6	913.4	869.2	44.20	20.666	
11,400.0	9,757.0	10,318.9	8,937.6	21.6	23.6	25.62	-1,330.7	-664.4	913.3	868.3	45.02	20.287	
11,495.0	9,757.1	10,413.9	8,937.7	21.8	23.9	25.62	-1,425.7	-665.3	913.3	867.4	45.88	19.907	
11,500.0	9,757.1	10,418.9	8,937.7	21.8	24.0	25.62	-1,430.7	-665.3	913.3	867.3	45.92	19.887	
11,590.0	9,757.1	10,508.9	8,937.9	22.1	24.3	25.63	-1,520.7	-666.1	913.2	866.4	46.76	19.528	
11,600.0	9,757.2	10,518.9	8,937.9	22.1	24.3	25.63	-1,530.7	-666.2	913.2	866.3	46.86	19.488	
11,685.0	9,757.2	10,603.9	8,938.0	22.4	24.6	25.63	-1,615.7	-666.9	913.1	865.4	47.68	19.151	
11,700.0	9,757.2	10,618.9	8,938.1	22.5	24.7	25.63	-1,630.7	-667.1	913.1	865.3	47.83	19.092	
11,780.0	9,757.3	10,698.9	8,938.2	22.7	25.0	25.63	-1,710.7	-667.8	913.1	864.4	48.62	18.778	
11,800.0	9,757.3	10,718.9	8,938.2	22.8	25.0	25.63	-1,730.7	-668.0	913.0	864.2	48.83	18.700	
11,875.0	9,757.4	10,793.9	8,938.3	23.1	25.3	25.63	-1,805.7	-668.6	913.0	863.4	49.60	18.408	
11,900.0	9,757.4	10,818.9	8,938.4	23.2	25.4	25.63	-1,830.7	-668.8	913.0	863.1	49.86	18.312	
11,970.0	9,757.5	10,888.9	8,938.5	23.5	25.7	25.63	-1,900.7	-669.5	912.9	862.3	50.59	18.044	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	
12,000.0	9,757.5	10,918.9	8,938.5	23.6	25.9	25.63	-1,930.7	-669.7	912.9	862.0	50.91	17.931
12,065.0	9,757.5	10,983.9	8,938.6	23.9	26.1	25.64	-1,995.7	-670.3	912.8	861.2	51.61	17.686
12,100.0	9,757.6	11,018.9	8,938.7	24.1	26.3	25.64	-2,030.7	-670.6	912.8	860.8	51.99	17.557
12,160.0	9,757.6	11,078.9	8,938.8	24.4	26.6	25.64	-2,090.7	-671.2	912.8	860.1	52.65	17.335
12,200.0	9,757.6	11,118.9	8,938.9	24.6	26.7	25.64	-2,130.7	-671.5	912.7	859.6	53.10	17.190
12,255.0	9,757.7	11,173.9	8,939.0	24.9	27.0	25.64	-2,185.7	-672.0	912.7	859.0	53.72	16.991
12,300.0	9,757.7	11,218.9	8,939.0	25.1	27.2	25.64	-2,230.7	-672.4	912.7	858.4	54.23	16.831
12,350.0	9,757.8	11,268.9	8,939.1	25.4	27.4	25.64	-2,280.7	-672.8	912.6	857.8	54.80	16.654
12,400.0	9,757.8	11,318.9	8,939.2	25.6	27.7	25.64	-2,330.7	-673.3	912.6	857.2	55.37	16.481
12,445.0	9,757.8	11,363.9	8,939.3	25.9	27.9	25.64	-2,375.7	-673.7	912.6	856.7	55.90	16.325
12,500.0	9,757.9	11,418.9	8,939.3	26.2	28.2	25.65	-2,430.7	-674.2	912.5	856.0	56.54	16.139
12,540.0	9,757.9	11,458.9	8,939.4	26.4	28.4	25.65	-2,470.7	-674.5	912.5	855.5	57.02	16.004
12,600.0	9,757.9	11,518.9	8,939.5	26.7	28.7	25.65	-2,530.7	-675.1	912.4	854.7	57.73	15.806
12,635.0	9,758.0	11,553.9	8,939.6	26.9	28.8	25.65	-2,565.7	-675.4	912.4	854.3	58.15	15.691
12,700.0	9,758.0	11,618.9	8,939.7	27.3	29.2	25.65	-2,630.7	-675.9	912.4	853.4	58.93	15.481
12,730.0	9,758.1	11,648.9	8,939.7	27.5	29.3	25.65	-2,660.7	-676.2	912.4	853.1	59.30	15.386
12,800.0	9,758.1	11,718.9	8,939.8	27.9	29.7	25.65	-2,730.6	-676.8	912.3	852.1	60.15	15.166
12,825.0	9,758.1	11,743.9	8,939.9	28.1	29.8	25.65	-2,755.6	-677.1	912.3	851.8	60.46	15.088
12,900.0	9,758.2	11,818.9	8,940.0	28.5	30.2	25.66	-2,830.6	-677.7	912.2	850.8	61.39	14.859
12,920.0	9,758.2	11,838.9	8,940.0	28.7	30.3	25.66	-2,850.6	-677.9	912.2	850.6	61.64	14.799
13,000.0	9,758.3	11,918.9	8,940.2	29.1	30.8	25.66	-2,930.6	-678.6	912.2	849.5	62.64	14.562
13,015.0	9,758.3	11,933.9	8,940.2	29.2	30.9	25.66	-2,945.6	-678.7	912.1	849.3	62.83	14.517
13,100.0	9,758.3	12,018.9	8,940.3	29.8	31.3	25.66	-3,030.6	-679.5	912.1	848.2	63.91	14.272
13,110.0	9,758.4	12,028.9	8,940.3	29.8	31.4	25.66	-3,040.6	-679.6	912.1	848.0	64.03	14.244
13,200.0	9,758.4	12,118.9	8,940.5	30.4	31.9	25.66	-3,130.6	-680.4	912.0	846.8	65.18	13.991
13,205.0	9,758.4	12,123.9	8,940.5	30.4	31.9	25.66	-3,135.6	-680.4	912.0	846.8	65.25	13.978
13,300.0	9,758.5	12,218.9	8,940.6	31.1	32.5	25.66	-3,230.6	-681.3	911.9	845.5	66.47	13.719
13,395.0	9,758.6	12,313.9	8,940.8	31.7	33.0	25.67	-3,325.6	-682.1	911.9	844.2	67.71	13.468
13,400.0	9,758.6	12,318.9	8,940.8	31.7	33.1	25.67	-3,330.6	-682.2	911.9	844.1	67.77	13.455
13,490.0	9,758.7	12,408.9	8,940.9	32.3	33.6	25.67	-3,420.6	-683.0	911.8	842.8	68.95	13.223
13,500.0	9,758.7	12,418.9	8,941.0	32.4	33.7	25.67	-3,430.6	-683.1	911.8	842.7	69.08	13.198
13,585.0	9,758.7	12,503.9	8,941.1	32.9	34.2	25.67	-3,515.6	-683.8	911.7	841.5	70.21	12.986
13,600.0	9,758.7	12,518.9	8,941.1	33.0	34.3	25.67	-3,530.6	-683.9	911.7	841.3	70.41	12.949
13,680.0	9,758.8	12,598.9	8,941.3	33.6	34.7	25.67	-3,610.6	-684.6	911.6	840.2	71.47	12.756
13,700.0	9,758.8	12,618.9	8,941.3	33.7	34.9	25.67	-3,630.6	-684.8	911.6	839.9	71.74	12.708
13,775.0	9,758.9	12,693.9	8,941.4	34.2	35.3	25.68	-3,705.6	-685.5	911.6	838.8	72.74	12.532
13,800.0	9,758.9	12,718.9	8,941.4	34.4	35.5	25.68	-3,730.6	-685.7	911.6	838.5	73.08	12.474
13,870.0	9,759.0	12,788.9	8,941.6	34.8	35.9	25.68	-3,800.6	-686.3	911.5	837.5	74.02	12.314
13,900.0	9,759.0	12,818.9	8,941.6	35.0	36.1	25.68	-3,830.6	-686.6	911.5	837.1	74.43	12.247
13,965.0	9,759.0	12,883.9	8,941.7	35.5	36.5	25.68	-3,895.6	-687.2	911.4	836.1	75.31	12.103
14,000.0	9,759.1	12,918.9	8,941.8	35.7	36.7	25.68	-3,930.6	-687.5	911.4	835.6	75.78	12.026
14,060.0	9,759.1	12,978.9	8,941.9	36.1	37.1	25.68	-3,990.6	-688.0	911.4	834.8	76.60	11.897
14,100.0	9,759.1	13,018.9	8,941.9	36.4	37.3	25.68	-4,030.6	-688.4	911.3	834.2	77.15	11.813
14,155.0	9,759.2	13,073.9	8,942.0	36.8	37.7	25.68	-4,085.6	-688.9	911.3	833.4	77.90	11.698
14,200.0	9,759.2	13,118.9	8,942.1	37.1	38.0	25.68	-4,130.6	-689.3	911.3	832.7	78.52	11.605
14,250.0	9,759.3	13,168.9	8,942.2	37.4	38.3	25.69	-4,180.6	-689.7	911.2	832.0	79.21	11.504
14,300.0	9,759.3	13,218.9	8,942.3	37.8	38.6	25.69	-4,230.6	-690.2	911.2	831.3	79.90	11.404
14,345.0	9,759.3	13,263.9	8,942.3	38.1	38.9	25.69	-4,275.6	-690.6	911.2	830.6	80.52	11.315
14,400.0	9,759.4	13,318.9	8,942.4	38.5	39.3	25.69	-4,330.6	-691.0	911.1	829.8	81.29	11.209
14,440.0	9,759.4	13,358.9	8,942.5	38.8	39.5	25.69	-4,370.6	-691.4	911.1	829.2	81.84	11.132
14,500.0	9,759.5	13,418.9	8,942.6	39.2	39.9	25.69	-4,430.6	-691.9	911.0	828.4	82.68	11.019

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,535.0	9,759.5	13,453.9	8,942.6	39.4	40.2	25.69	-4,465.6	-692.2	911.0	827.8	83.17	10.954	
14,600.0	9,759.5	13,518.9	8,942.7	39.9	40.6	25.69	-4,530.6	-692.8	911.0	826.9	84.08	10.835	
14,630.0	9,759.6	13,548.9	8,942.8	40.1	40.8	25.69	-4,560.6	-693.1	910.9	826.4	84.50	10.781	
14,700.0	9,759.6	13,618.9	8,942.9	40.6	41.2	25.70	-4,630.6	-693.7	910.9	825.4	85.48	10.656	
14,725.0	9,759.6	13,643.9	8,942.9	40.8	41.4	25.70	-4,655.6	-693.9	910.9	825.0	85.83	10.612	
14,800.0	9,759.7	13,718.9	8,943.1	41.3	41.9	25.70	-4,730.6	-694.6	910.8	823.9	86.89	10.483	
14,820.0	9,759.7	13,738.9	8,943.1	41.4	42.0	25.70	-4,750.6	-694.8	910.8	823.6	87.17	10.449	
14,900.0	9,759.8	13,818.9	8,943.2	42.0	42.6	25.70	-4,830.6	-695.5	910.7	822.4	88.30	10.314	
14,915.0	9,759.8	13,833.9	8,943.2	42.1	42.7	25.70	-4,845.6	-695.6	910.7	822.2	88.51	10.289	
15,000.0	9,759.9	13,918.9	8,943.4	42.7	43.2	25.70	-4,930.6	-696.4	910.7	821.0	89.72	10.150	
15,010.0	9,759.9	13,928.9	8,943.4	42.8	43.3	25.70	-4,940.6	-696.5	910.7	820.8	89.86	10.134	
15,100.0	9,759.9	14,018.9	8,943.5	43.4	43.9	25.71	-5,030.6	-697.3	910.6	819.5	91.14	9.991	
15,105.0	9,759.9	14,023.9	8,943.6	43.5	43.9	25.71	-5,035.6	-697.3	910.6	819.4	91.22	9.983	
15,200.0	9,760.0	14,118.9	8,943.7	44.1	44.6	25.71	-5,130.6	-698.1	910.5	818.0	92.57	9.836	
15,295.0	9,760.1	14,213.9	8,943.9	44.8	45.2	25.71	-5,225.5	-699.0	910.5	816.5	93.93	9.693	
15,300.0	9,760.1	14,218.9	8,943.9	44.8	45.3	25.71	-5,230.5	-699.0	910.5	816.4	94.00	9.685	
15,390.0	9,760.2	14,308.9	8,944.0	45.5	45.9	25.71	-5,320.5	-699.8	910.4	815.1	95.30	9.553	
15,400.0	9,760.2	14,318.9	8,944.0	45.6	45.9	25.71	-5,330.5	-699.9	910.4	814.9	95.44	9.539	
15,485.0	9,760.2	14,403.9	8,944.2	46.2	46.5	25.71	-5,415.5	-700.7	910.3	813.6	96.66	9.417	
15,500.0	9,760.2	14,418.9	8,944.2	46.3	46.6	25.71	-5,430.5	-700.8	910.3	813.4	96.88	9.396	
15,580.0	9,760.3	14,498.9	8,944.3	46.9	47.2	25.72	-5,510.5	-701.5	910.2	812.2	98.03	9.285	
15,600.0	9,760.3	14,518.9	8,944.4	47.0	47.3	25.72	-5,530.5	-701.7	910.2	811.9	98.32	9.257	
15,675.0	9,760.4	14,593.9	8,944.5	47.5	47.8	25.72	-5,605.5	-702.4	910.2	810.8	99.41	9.156	
15,700.0	9,760.4	14,618.9	8,944.5	47.7	48.0	25.72	-5,630.5	-702.6	910.2	810.4	99.77	9.122	
15,770.0	9,760.5	14,688.9	8,944.6	48.2	48.5	25.72	-5,700.5	-703.2	910.1	809.3	100.79	9.030	
15,800.0	9,760.5	14,718.9	8,944.7	48.4	48.7	25.72	-5,730.5	-703.5	910.1	808.9	101.22	8.991	
15,865.0	9,760.5	14,783.9	8,944.8	48.9	49.2	25.72	-5,795.5	-704.0	910.0	807.9	102.17	8.907	
15,900.0	9,760.6	14,818.9	8,944.8	49.2	49.4	25.72	-5,830.5	-704.4	910.0	807.3	102.68	8.863	
15,960.0	9,760.6	14,878.9	8,944.9	49.6	49.8	25.72	-5,890.5	-704.9	910.0	806.4	103.55	8.788	
16,000.0	9,760.6	14,918.9	8,945.0	49.9	50.1	25.73	-5,930.5	-705.2	909.9	805.8	104.13	8.738	
16,055.0	9,760.7	14,973.9	8,945.1	50.3	50.5	25.73	-5,985.5	-705.7	909.9	805.0	104.93	8.671	
16,100.0	9,760.7	15,018.9	8,945.2	50.6	50.8	25.73	-6,030.5	-706.1	909.9	804.3	105.59	8.617	
16,150.0	9,760.8	15,068.9	8,945.2	51.0	51.1	25.73	-6,080.5	-706.6	909.8	803.5	106.32	8.557	
16,200.0	9,760.8	15,118.9	8,945.3	51.4	51.5	25.73	-6,130.5	-707.0	909.8	802.7	107.05	8.498	
16,245.0	9,760.8	15,163.9	8,945.4	51.7	51.8	25.73	-6,175.5	-707.4	909.8	802.0	107.71	8.446	
16,300.0	9,760.9	15,218.9	8,945.5	52.1	52.2	25.73	-6,230.5	-707.9	909.7	801.2	108.52	8.383	
16,340.0	9,760.9	15,258.9	8,945.6	52.4	52.5	25.73	-6,270.5	-708.3	909.7	800.6	109.11	8.338	
16,400.0	9,761.0	15,318.9	8,945.6	52.8	52.9	25.73	-6,330.5	-708.8	909.6	799.6	109.99	8.270	
16,435.0	9,761.0	15,353.9	8,945.7	53.1	53.1	25.74	-6,365.5	-709.1	909.6	799.1	110.50	8.232	
16,500.0	9,761.0	15,418.9	8,945.8	53.5	53.6	25.74	-6,430.5	-709.7	909.6	798.1	111.46	8.161	
16,530.0	9,761.1	15,448.9	8,945.9	53.8	53.8	25.74	-6,460.5	-709.9	909.5	797.6	111.90	8.128	
16,600.0	9,761.1	15,518.9	8,946.0	54.3	54.3	25.74	-6,530.5	-710.6	909.5	796.6	112.93	8.053	
16,625.0	9,761.1	15,543.9	8,946.0	54.5	54.5	25.74	-6,555.5	-710.8	909.5	796.2	113.30	8.027	
16,700.0	9,761.2	15,618.9	8,946.1	55.0	55.0	25.74	-6,630.5	-711.5	909.4	795.0	114.41	7.949	
16,720.0	9,761.2	15,638.9	8,946.2	55.2	55.2	25.74	-6,650.5	-711.6	909.4	794.7	114.70	7.928	
16,800.0	9,761.3	15,718.9	8,946.3	55.7	55.7	25.74	-6,730.5	-712.3	909.3	793.5	115.88	7.847	
16,815.0	9,761.3	15,733.9	8,946.3	55.9	55.8	25.74	-6,745.5	-712.5	909.3	793.2	116.11	7.832	
16,900.0	9,761.4	15,818.9	8,946.5	56.5	56.4	25.75	-6,830.5	-713.2	909.3	791.9	117.36	7.747	
16,910.0	9,761.4	15,828.9	8,946.5	56.6	56.5	25.75	-6,840.5	-713.3	909.3	791.7	117.51	7.738	
17,000.0	9,761.4	15,918.9	8,946.6	57.2	57.2	25.75	-6,930.5	-714.1	909.2	790.3	118.85	7.650	
17,005.0	9,761.4	15,923.9	8,946.6	57.3	57.2	25.75	-6,935.5	-714.2	909.2	790.3	118.92	7.645	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 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)		
17,100.0	9,761.5	16,018.9	8,946.8	58.0	57.9	25.75	-7,030.5	-715.0	909.1	788.8	120.33	7.555
17,195.0	9,761.6	16,113.9	8,946.9	58.7	58.6	25.75	-7,125.5	-715.9	909.0	787.3	121.74	7.467
17,200.0	9,761.6	16,118.9	8,946.9	58.7	58.6	25.75	-7,130.5	-715.9	909.0	787.2	121.81	7.463
17,290.0	9,761.7	16,208.9	8,947.1	59.4	59.2	25.76	-7,220.5	-716.7	909.0	785.8	123.15	7.381
17,300.0	9,761.7	16,218.9	8,947.1	59.4	59.3	25.76	-7,230.5	-716.8	909.0	785.7	123.30	7.372
17,385.0	9,761.7	16,303.9	8,947.2	60.1	59.9	25.76	-7,315.5	-717.5	908.9	784.3	124.57	7.297
17,400.0	9,761.8	16,318.9	8,947.3	60.2	60.0	25.76	-7,330.5	-717.7	908.9	784.1	124.79	7.283
17,480.0	9,761.8	16,398.9	8,947.4	60.8	60.6	25.76	-7,410.5	-718.4	908.8	782.9	125.98	7.214
17,500.0	9,761.8	16,418.9	8,947.4	60.9	60.7	25.76	-7,430.5	-718.6	908.8	782.5	126.28	7.197
17,575.0	9,761.9	16,493.9	8,947.5	61.5	61.3	25.76	-7,505.5	-719.2	908.8	781.4	127.40	7.133
17,600.0	9,761.9	16,518.9	8,947.6	61.6	61.5	25.76	-7,530.5	-719.4	908.7	781.0	127.77	7.112
17,670.0	9,762.0	16,588.9	8,947.7	62.2	62.0	25.76	-7,600.4	-720.1	908.7	779.9	128.82	7.054
17,700.0	9,762.0	16,618.9	8,947.7	62.4	62.2	25.76	-7,630.4	-720.3	908.7	779.4	129.27	7.029
17,765.0	9,762.0	16,683.9	8,947.9	62.9	62.7	25.77	-7,695.4	-720.9	908.6	778.4	130.24	6.977
17,800.0	9,762.1	16,718.9	8,947.9	63.1	62.9	25.77	-7,730.4	-721.2	908.6	777.8	130.76	6.948
17,860.0	9,762.1	16,778.9	8,948.0	63.6	63.3	25.77	-7,790.4	-721.8	908.6	776.9	131.66	6.901
17,900.0	9,762.1	16,818.9	8,948.1	63.9	63.6	25.77	-7,830.4	-722.1	908.5	776.3	132.26	6.869
17,955.0	9,762.2	16,873.9	8,948.2	64.3	64.0	25.77	-7,885.4	-722.6	908.5	775.4	133.09	6.826
18,000.0	9,762.2	16,918.9	8,948.2	64.6	64.4	25.77	-7,930.4	-723.0	908.5	774.7	133.76	6.792
18,050.0	9,762.3	16,968.9	8,948.3	65.0	64.7	25.77	-7,980.4	-723.4	908.4	773.9	134.51	6.754
18,100.0	9,762.3	17,018.9	8,948.4	65.4	65.1	25.77	-8,030.4	-723.9	908.4	773.1	135.26	6.716
18,145.0	9,762.3	17,063.9	8,948.5	65.7	65.4	25.77	-8,075.4	-724.3	908.3	772.4	135.94	6.682
18,200.0	9,762.4	17,118.9	8,948.6	66.1	65.8	25.78	-8,130.4	-724.8	908.3	771.5	136.76	6.642
18,240.0	9,762.4	17,158.9	8,948.6	66.4	66.1	25.78	-8,170.4	-725.1	908.3	770.9	137.36	6.612
18,300.0	9,762.5	17,218.9	8,948.7	66.8	66.5	25.78	-8,230.4	-725.7	908.2	770.0	138.26	6.569
18,335.0	9,762.5	17,253.9	8,948.8	67.1	66.8	25.78	-8,265.4	-726.0	908.2	769.4	138.79	6.544
18,400.0	9,762.5	17,318.9	8,948.9	67.6	67.3	25.78	-8,330.4	-726.5	908.2	768.4	139.77	6.498
18,430.0	9,762.6	17,348.9	8,948.9	67.8	67.5	25.78	-8,360.4	-726.8	908.1	767.9	140.22	6.477
18,500.0	9,762.6	17,418.9	8,949.0	68.3	68.0	25.78	-8,430.4	-727.4	908.1	766.8	141.27	6.428
18,525.0	9,762.6	17,443.9	8,949.1	68.5	68.2	25.78	-8,455.4	-727.7	908.1	766.4	141.65	6.411
18,600.0	9,762.7	17,518.9	8,949.2	69.1	68.7	25.78	-8,530.4	-728.3	908.0	765.2	142.78	6.360
18,620.0	9,762.7	17,538.9	8,949.2	69.2	68.9	25.79	-8,550.4	-728.5	908.0	764.9	143.08	6.346
18,700.0	9,762.8	17,618.9	8,949.4	69.8	69.5	25.79	-8,630.4	-729.2	907.9	763.6	144.29	6.293
18,715.0	9,762.8	17,633.9	8,949.4	69.9	69.6	25.79	-8,645.4	-729.3	907.9	763.4	144.51	6.283
18,800.0	9,762.9	17,718.9	8,949.5	70.6	70.2	25.79	-8,730.4	-730.1	907.9	762.1	145.80	6.227
18,810.0	9,762.9	17,728.9	8,949.5	70.6	70.3	25.79	-8,740.4	-730.2	907.9	761.9	145.95	6.220
18,900.0	9,762.9	17,818.9	8,949.7	71.3	70.9	25.79	-8,830.4	-731.0	907.8	760.5	147.31	6.163
18,905.0	9,762.9	17,823.9	8,949.7	71.4	71.0	25.79	-8,835.4	-731.0	907.8	760.4	147.38	6.159
19,000.0	9,763.0	17,918.9	8,949.8	72.1	71.7	25.79	-8,930.4	-731.9	907.7	758.9	148.82	6.100
19,095.0	9,763.1	18,013.9	8,950.0	72.8	72.4	25.80	-9,025.4	-732.7	907.6	757.4	150.25	6.041
19,100.0	9,763.1	18,018.9	8,950.0	72.8	72.4	25.80	-9,030.4	-732.8	907.6	757.3	150.33	6.038
19,190.0	9,763.2	18,108.9	8,950.2	73.5	73.1	25.80	-9,120.4	-733.6	907.6	755.9	151.69	5.983
19,200.0	9,763.2	18,118.9	8,950.2	73.6	73.1	25.80	-9,130.4	-733.6	907.6	755.7	151.84	5.977
19,285.0	9,763.2	18,203.9	8,950.3	74.2	73.8	25.80	-9,215.4	-734.4	907.5	754.4	153.13	5.926
19,300.0	9,763.3	18,218.9	8,950.3	74.3	73.9	25.80	-9,230.4	-734.5	907.5	754.1	153.36	5.918
19,380.0	9,763.3	18,298.9	8,950.5	74.9	74.4	25.80	-9,310.4	-735.2	907.4	752.9	154.57	5.871
19,400.0	9,763.3	18,318.9	8,950.5	75.1	74.6	25.80	-9,330.4	-735.4	907.4	752.5	154.87	5.859
19,475.0	9,763.4	18,393.9	8,950.6	75.6	75.1	25.80	-9,405.4	-736.1	907.4	751.4	156.01	5.816
19,500.0	9,763.4	18,418.9	8,950.7	75.8	75.3	25.81	-9,430.4	-736.3	907.3	751.0	156.39	5.802
19,570.0	9,763.5	18,488.9	8,950.8	76.3	75.8	25.81	-9,500.4	-736.9	907.3	749.8	157.45	5.763
19,600.0	9,763.5	18,518.9	8,950.8	76.6	76.1	25.81	-9,530.4	-737.2	907.3	749.4	157.90	5.746

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS							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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,665.0	9,763.5	18,583.9	8,950.9	77.0	76.5	25.81	-9,595.4	-737.8	907.2	748.3	158.89	5.710		
19,700.0	9,763.6	18,618.9	8,951.0	77.3	76.8	25.81	-9,630.4	-738.1	907.2	747.8	159.42	5.691		
19,760.0	9,763.6	18,678.9	8,951.1	77.8	77.2	25.81	-9,690.4	-738.6	907.2	746.8	160.33	5.658		
19,800.0	9,763.7	18,718.9	8,951.1	78.1	77.5	25.81	-9,730.4	-739.0	907.1	746.2	160.94	5.637		
19,855.0	9,763.7	18,773.9	8,951.2	78.5	78.0	25.81	-9,785.4	-739.5	907.1	745.3	161.77	5.607		
19,900.0	9,763.7	18,818.9	8,951.3	78.8	78.3	25.81	-9,830.4	-739.9	907.0	744.6	162.46	5.583		
19,950.0	9,763.8	18,868.9	8,951.4	79.2	78.7	25.82	-9,880.4	-740.3	907.0	743.8	163.22	5.557		
20,000.0	9,763.8	18,918.9	8,951.5	79.6	79.0	25.82	-9,930.4	-740.8	907.0	743.0	163.98	5.531		
20,045.0	9,763.8	18,963.9	8,951.5	79.9	79.4	25.82	-9,975.4	-741.2	906.9	742.3	164.66	5.508		
20,100.0	9,763.9	19,018.9	8,951.6	80.3	79.8	25.82	-10,030.4	-741.6	906.9	741.4	165.50	5.480		
20,140.0	9,763.9	19,058.9	8,951.7	80.6	80.1	25.82	-10,070.3	-742.0	906.9	740.8	166.10	5.460		
20,200.0	9,764.0	19,118.9	8,951.8	81.1	80.5	25.82	-10,130.3	-742.5	906.8	739.8	167.02	5.430		
20,235.0	9,764.0	19,153.9	8,951.8	81.3	80.8	25.82	-10,165.3	-742.8	906.8	739.3	167.55	5.412		
20,300.0	9,764.1	19,218.9	8,951.9	81.8	81.2	25.82	-10,230.3	-743.4	906.8	738.2	168.54	5.380		
20,330.0	9,764.1	19,248.9	8,952.0	82.0	81.5	25.82	-10,260.3	-743.7	906.7	737.7	169.00	5.365		
20,400.0	9,764.1	19,318.9	8,952.1	82.6	82.0	25.83	-10,330.3	-744.3	906.7	736.6	170.06	5.331		
20,425.0	9,764.1	19,343.9	8,952.2	82.7	82.2	25.83	-10,355.3	-744.5	906.7	736.2	170.44	5.319		
20,500.0	9,764.2	19,418.9	8,952.3	83.3	82.7	25.83	-10,430.3	-745.2	906.6	735.0	171.58	5.284		
20,520.0	9,764.2	19,438.9	8,952.3	83.5	82.9	25.83	-10,450.3	-745.4	906.6	734.7	171.89	5.274		
20,600.0	9,764.3	19,518.9	8,952.4	84.1	83.5	25.83	-10,530.3	-746.1	906.5	733.4	173.11	5.237		
20,615.0	9,764.3	19,533.9	8,952.5	84.2	83.6	25.83	-10,545.3	-746.2	906.5	733.2	173.34	5.230		
20,700.0	9,764.4	19,618.9	8,952.6	84.8	84.2	25.83	-10,630.3	-747.0	906.5	731.8	174.63	5.191		
20,710.0	9,764.4	19,628.9	8,952.6	84.9	84.3	25.83	-10,640.3	-747.1	906.5	731.7	174.79	5.186		
20,800.0	9,764.4	19,718.9	8,952.8	85.6	85.0	25.84	-10,730.3	-747.9	906.4	730.2	176.16	5.145		
20,805.0	9,764.5	19,723.9	8,952.8	85.6	85.0	25.84	-10,735.3	-747.9	906.4	730.1	176.23	5.143		
20,900.0	9,764.5	19,818.9	8,952.9	86.3	85.7	25.84	-10,830.3	-748.7	906.3	728.6	177.68	5.101		
20,995.0	9,764.6	19,913.9	8,953.1	87.0	86.4	25.84	-10,925.3	-749.6	906.2	727.1	179.13	5.059		
21,000.0	9,764.6	19,918.9	8,953.1	87.1	86.4	25.84	-10,930.3	-749.6	906.2	727.0	179.21	5.057		
21,090.0	9,764.7	20,008.9	8,953.2	87.7	87.1	25.84	-11,020.3	-750.4	906.2	725.6	180.58	5.018		
21,100.0	9,764.7	20,018.9	8,953.2	87.8	87.2	25.84	-11,030.3	-750.5	906.2	725.4	180.74	5.014		
21,185.0	9,764.8	20,103.9	8,953.4	88.5	87.8	25.84	-11,115.3	-751.3	906.1	724.1	182.04	4.978		
21,200.0	9,764.8	20,118.9	8,953.4	88.6	87.9	25.84	-11,130.3	-751.4	906.1	723.8	182.26	4.971		
21,280.0	9,764.8	20,198.9	8,953.5	89.2	88.5	25.85	-11,210.3	-752.1	906.0	722.5	183.49	4.938		
21,300.0	9,764.8	20,218.9	8,953.6	89.3	88.7	25.85	-11,230.3	-752.3	906.0	722.2	183.79	4.930		
21,375.0	9,764.9	20,293.9	8,953.7	89.9	89.2	25.85	-11,305.3	-753.0	906.0	721.0	184.94	4.899		
21,400.0	9,764.9	20,318.9	8,953.7	90.1	89.4	25.85	-11,330.3	-753.2	905.9	720.6	185.32	4.888		
21,470.0	9,765.0	20,388.9	8,953.8	90.6	89.9	25.85	-11,400.3	-753.8	905.9	719.5	186.39	4.860		
21,500.0	9,765.0	20,418.9	8,953.9	90.8	90.2	25.85	-11,430.3	-754.1	905.9	719.0	186.85	4.848		
21,565.0	9,765.1	20,483.9	8,954.0	91.3	90.6	25.85	-11,495.3	-754.6	905.8	718.0	187.84	4.822		
21,600.0	9,765.1	20,518.9	8,954.0	91.6	90.9	25.85	-11,530.3	-755.0	905.8	717.4	188.38	4.808		
21,660.0	9,765.1	20,578.9	8,954.1	92.0	91.4	25.86	-11,590.3	-755.5	905.7	716.5	189.30	4.785		
21,700.0	9,765.2	20,618.9	8,954.2	92.3	91.6	25.86	-11,630.3	-755.8	905.7	715.8	189.91	4.769		
21,755.0	9,765.2	20,673.9	8,954.3	92.8	92.1	25.86	-11,685.3	-756.3	905.7	714.9	190.75	4.748		
21,800.0	9,765.2	20,718.9	8,954.4	93.1	92.4	25.86	-11,730.3	-756.7	905.6	714.2	191.44	4.731		
21,850.0	9,765.3	20,768.9	8,954.5	93.5	92.8	25.86	-11,780.3	-757.2	905.6	713.4	192.21	4.712		
21,900.0	9,765.3	20,818.9	8,954.5	93.8	93.1	25.86	-11,830.3	-757.6	905.6	712.6	192.97	4.693		
21,945.0	9,765.4	20,863.9	8,954.6	94.2	93.5	25.86	-11,875.3	-758.0	905.5	711.9	193.66	4.676		
22,000.0	9,765.4	20,918.9	8,954.7	94.6	93.9	25.86	-11,930.3	-758.5	905.5	711.0	194.50	4.655		
22,040.0	9,765.4	20,958.9	8,954.8	94.9	94.2	25.86	-11,970.3	-758.9	905.5	710.4	195.12	4.641		
22,100.0	9,765.5	21,018.9	8,954.9	95.4	94.6	25.87	-12,030.3	-759.4	905.4	709.4	196.04	4.619		
22,135.0	9,765.5	21,053.9	8,954.9	95.6	94.9	25.87	-12,065.3	-759.7	905.4	708.8	196.57	4.606		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)	Warning
22,200.0	9,765.6	21,118.9	8,955.0	96.1	95.4	25.87	-12,130.3	-760.3	905.4	707.8	197.57	4.582
22,230.0	9,765.6	21,148.9	8,955.1	96.3	95.6	25.87	-12,160.3	-760.5	905.3	707.3	198.03	4.572
22,300.0	9,765.6	21,218.9	8,955.2	96.9	96.1	25.87	-12,230.3	-761.2	905.3	706.2	199.10	4.547
22,325.0	9,765.7	21,243.9	8,955.2	97.1	96.3	25.87	-12,255.3	-761.4	905.3	705.8	199.48	4.538
22,400.0	9,765.7	21,318.9	8,955.3	97.6	96.9	25.87	-12,330.3	-762.1	905.2	704.6	200.63	4.512
22,420.0	9,765.7	21,338.9	8,955.4	97.8	97.0	25.87	-12,350.3	-762.2	905.2	704.2	200.94	4.505
22,500.0	9,765.8	21,418.9	8,955.5	98.4	97.6	25.87	-12,430.3	-762.9	905.1	703.0	202.17	4.477
22,515.0	9,765.8	21,433.9	8,955.5	98.5	97.7	25.87	-12,445.3	-763.1	905.1	702.7	202.40	4.472
22,600.0	9,765.9	21,518.9	8,955.7	99.1	98.4	25.88	-12,530.2	-763.8	905.1	701.4	203.70	4.443
22,610.0	9,765.9	21,528.9	8,955.7	99.2	98.4	25.88	-12,540.2	-763.9	905.0	701.2	203.86	4.440
22,700.0	9,766.0	21,618.9	8,955.8	99.9	99.1	25.88	-12,630.2	-764.7	905.0	699.7	205.24	4.409
22,705.0	9,766.0	21,623.9	8,955.8	99.9	99.2	25.88	-12,635.2	-764.8	905.0	699.7	205.31	4.408
22,800.0	9,766.0	21,718.9	8,956.0	100.6	99.9	25.88	-12,730.2	-765.6	904.9	698.1	206.77	4.376
22,895.0	9,766.1	21,813.9	8,956.1	101.4	100.6	25.88	-12,825.2	-766.4	904.8	696.6	208.23	4.345
22,900.0	9,766.1	21,818.9	8,956.1	101.4	100.6	25.88	-12,830.2	-766.5	904.8	696.5	208.31	4.344
22,990.0	9,766.2	21,908.9	8,956.3	102.1	101.3	25.89	-12,920.2	-767.3	904.8	695.1	209.69	4.315
23,000.0	9,766.2	21,918.9	8,956.3	102.2	101.4	25.89	-12,930.2	-767.4	904.8	694.9	209.84	4.312
23,085.0	9,766.3	22,003.9	8,956.4	102.8	102.0	25.89	-13,015.2	-768.1	904.7	693.5	211.15	4.285
23,100.0	9,766.3	22,018.9	8,956.5	102.9	102.1	25.89	-13,030.2	-768.3	904.7	693.3	211.38	4.280
23,180.0	9,766.3	22,098.9	8,956.6	103.5	102.7	25.89	-13,110.2	-769.0	904.6	692.0	212.61	4.255
23,200.0	9,766.3	22,118.9	8,956.6	103.7	102.9	25.89	-13,130.2	-769.2	904.6	691.7	212.91	4.249
23,275.0	9,766.4	22,193.9	8,956.8	104.2	103.4	25.89	-13,205.2	-769.8	904.6	690.5	214.07	4.226
23,300.0	9,766.4	22,218.9	8,956.8	104.4	103.6	25.89	-13,230.2	-770.0	904.5	690.1	214.45	4.218
23,370.0	9,766.5	22,288.9	8,956.9	104.9	104.1	25.89	-13,300.2	-770.7	904.5	689.0	215.53	4.197
23,400.0	9,766.5	22,318.9	8,957.0	105.2	104.4	25.90	-13,330.2	-770.9	904.5	688.5	215.99	4.188
23,465.0	9,766.6	22,383.9	8,957.1	105.7	104.9	25.90	-13,395.2	-771.5	904.4	687.4	216.99	4.168
23,500.0	9,766.6	22,418.9	8,957.1	105.9	105.1	25.90	-13,430.2	-771.8	904.4	686.9	217.52	4.158
23,560.0	9,766.6	22,478.9	8,957.2	106.4	105.6	25.90	-13,490.2	-772.4	904.3	685.9	218.45	4.140
23,600.0	9,766.7	22,518.9	8,957.3	106.7	105.9	25.90	-13,530.2	-772.7	904.3	685.3	219.06	4.128
23,655.0	9,766.7	22,573.9	8,957.4	107.1	106.3	25.90	-13,585.2	-773.2	904.3	684.4	219.91	4.112
23,700.0	9,766.7	22,618.9	8,957.4	107.4	106.6	25.90	-13,630.2	-773.6	904.2	683.6	220.60	4.099
23,750.0	9,766.8	22,668.9	8,957.5	107.8	107.0	25.90	-13,680.2	-774.0	904.2	682.8	221.37	4.085
23,800.0	9,766.8	22,718.9	8,957.6	108.2	107.4	25.90	-13,730.2	-774.5	904.2	682.0	222.14	4.070
23,845.0	9,766.9	22,763.9	8,957.7	108.5	107.7	25.91	-13,775.2	-774.9	904.1	681.3	222.83	4.057
23,900.0	9,766.9	22,818.9	8,957.8	109.0	108.1	25.91	-13,830.2	-775.4	904.1	680.4	223.68	4.042
23,940.0	9,766.9	22,858.9	8,957.8	109.3	108.4	25.91	-13,870.2	-775.7	904.1	679.8	224.29	4.031
24,000.0	9,767.0	22,918.9	8,957.9	109.7	108.9	25.91	-13,930.2	-776.3	904.0	678.8	225.22	4.014
24,035.0	9,767.0	22,953.9	8,958.0	110.0	109.1	25.91	-13,965.2	-776.6	904.0	678.2	225.75	4.004
24,100.0	9,767.1	23,018.9	8,958.1	110.5	109.6	25.91	-14,030.2	-777.1	903.9	677.2	226.76	3.986
24,130.0	9,767.1	23,048.9	8,958.1	110.7	109.8	25.91	-14,060.2	-777.4	903.9	676.7	227.22	3.978
24,200.0	9,767.1	23,118.9	8,958.2	111.2	110.4	25.91	-14,130.2	-778.0	903.9	675.6	228.29	3.959
24,225.0	9,767.2	23,143.9	8,958.3	111.4	110.6	25.91	-14,155.2	-778.3	903.9	675.2	228.68	3.952
24,300.0	9,767.2	23,218.9	8,958.4	112.0	111.1	25.92	-14,230.2	-778.9	903.8	674.0	229.83	3.932
24,320.0	9,767.2	23,238.9	8,958.4	112.1	111.3	25.92	-14,250.2	-779.1	903.8	673.6	230.14	3.927
24,400.0	9,767.3	23,318.9	8,958.6	112.7	111.9	25.92	-14,330.2	-779.8	903.7	672.4	231.37	3.906
24,415.0	9,767.3	23,333.9	8,958.6	112.9	112.0	25.92	-14,345.2	-779.9	903.7	672.1	231.61	3.902
24,500.0	9,767.4	23,418.9	8,958.7	113.5	112.6	25.92	-14,430.2	-780.7	903.7	670.7	232.91	3.880
24,510.0	9,767.4	23,428.9	8,958.8	113.6	112.7	25.92	-14,440.2	-780.8	903.6	670.6	233.07	3.877
24,600.0	9,767.5	23,518.9	8,958.9	114.3	113.4	25.92	-14,530.2	-781.6	903.6	669.1	234.46	3.854
24,605.0	9,767.5	23,523.9	8,958.9	114.3	113.4	25.92	-14,535.2	-781.6	903.6	669.0	234.53	3.853
24,700.0	9,767.5	23,618.9	8,959.1	115.0	114.1	25.93	-14,630.2	-782.5	903.5	667.5	236.00	3.828

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8448-r.5 MWD+IFR1+MS												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)			
24,795.0	9,767.6	23,713.9	8,959.2	115.7	114.8	25.93	-14,725.2	-783.3	903.4	666.0	237.46	3.805	
24,800.0	9,767.6	23,718.9	8,959.2	115.8	114.9	25.93	-14,730.2	-783.4	903.4	665.9	237.54	3.803	
24,890.0	9,767.7	23,808.9	8,959.4	116.5	115.6	25.93	-14,820.2	-784.2	903.4	664.4	238.92	3.781	
24,900.0	9,767.7	23,818.9	8,959.4	116.5	115.6	25.93	-14,830.2	-784.2	903.4	664.3	239.08	3.778	
24,985.0	9,767.8	23,903.9	8,959.5	117.2	116.3	25.93	-14,915.1	-785.0	903.3	662.9	240.39	3.758	
25,000.0	9,767.8	23,918.9	8,959.5	117.3	116.4	25.93	-14,930.1	-785.1	903.3	662.7	240.62	3.754	
25,080.0	9,767.8	23,998.9	8,959.7	117.9	117.0	25.93	-15,010.1	-785.8	903.2	661.4	241.85	3.735	
25,100.0	9,767.9	24,018.9	8,959.7	118.0	117.1	25.93	-15,030.1	-786.0	903.2	661.0	242.16	3.730	
25,154.5	9,767.9	24,073.4	8,959.8	118.5	117.6	25.94	-15,084.6	-786.5	903.2	660.2	243.00	3.717	
25,175.0	9,767.9	24,093.9	8,959.8	118.6	117.7	25.94	-15,105.1	-786.7	903.2	659.8	243.32	3.712	
25,200.0	9,767.9	24,118.9	8,959.9	118.8	117.9	25.94	-15,130.1	-786.9	903.1	659.4	243.70	3.706	
25,270.0	9,768.0	24,188.9	8,960.0	119.3	118.4	25.94	-15,200.1	-787.5	903.1	658.3	244.78	3.689	
25,284.4	9,768.0	24,202.6	8,960.0	119.4	118.5	25.94	-15,213.8	-787.7	903.1	658.1	245.00	3.686	
25,284.5	9,768.0	24,202.6	8,960.0	119.4	118.5	25.94	-15,213.8	-787.7	903.1	658.1	245.00	3.686 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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	4.5	4.5	3.0	3.0	-168.87	-150.5	-29.6	153.4					
95.0	95.0	99.5	99.5	3.0	3.0	-168.87	-150.5	-29.6	153.4	147.3	6.04	25.402		
100.0	100.0	104.5	104.5	3.0	3.0	-168.87	-150.5	-29.6	153.4	147.3	6.04	25.375		
190.0	190.0	194.5	194.5	3.1	3.1	-168.87	-150.5	-29.6	153.4	147.1	6.27	24.479		
200.0	200.0	204.5	204.5	3.1	3.2	-168.87	-150.5	-29.6	153.4	147.1	6.30	24.354		
285.0	285.0	289.5	289.5	3.3	3.3	-168.87	-150.5	-29.6	153.4	146.9	6.51	23.572		
300.0	300.0	304.5	304.5	3.3	3.3	-168.87	-150.5	-29.6	153.4	146.8	6.55	23.425		
380.0	380.0	384.5	384.5	3.4	3.4	-168.87	-150.5	-29.6	153.4	146.6	6.74	22.746		
400.0	400.0	404.5	404.5	3.4	3.4	-168.87	-150.5	-29.6	153.4	146.6	6.80	22.572		
475.0	475.0	479.5	479.5	3.5	3.5	-168.87	-150.5	-29.6	153.4	146.4	6.98	21.983		
500.0	500.0	504.5	504.5	3.5	3.5	-168.87	-150.5	-29.6	153.4	146.3	7.04	21.785		
570.0	570.0	574.5	574.5	3.6	3.6	-168.87	-150.5	-29.6	153.4	146.2	7.21	21.274		
600.0	600.0	604.5	604.5	3.6	3.6	-168.87	-150.5	-29.6	153.4	146.1	7.28	21.056		
665.0	665.0	669.5	669.5	3.7	3.7	-168.87	-150.5	-29.6	153.4	145.9	7.44	20.614		
700.0	700.0	704.5	704.5	3.8	3.8	-168.87	-150.5	-29.6	153.4	145.9	7.53	20.378		
760.0	760.0	764.5	764.5	3.8	3.8	-168.87	-150.5	-29.6	153.4	145.7	7.67	19.997		
800.0	800.0	804.5	804.5	3.9	3.9	-168.87	-150.5	-29.6	153.4	145.6	7.77	19.745		
855.0	855.0	859.5	859.5	4.0	4.0	-168.87	-150.5	-29.6	153.4	145.5	7.90	19.418		
900.0	900.0	904.5	904.5	4.0	4.0	-168.87	-150.5	-29.6	153.4	145.4	8.01	19.154		
950.0	950.0	954.5	954.5	4.1	4.1	-168.87	-150.5	-29.6	153.4	145.3	8.13	18.875		
1,000.0	1,000.0	1,004.5	1,004.5	4.1	4.1	-168.87	-150.5	-29.6	153.4	145.1	8.25	18.600		
1,045.0	1,045.0	1,049.5	1,049.5	4.2	4.2	-168.87	-150.5	-29.6	153.4	145.0	8.35	18.364		
1,100.0	1,100.0	1,104.5	1,104.5	4.2	4.3	-168.87	-150.5	-29.6	153.4	144.9	8.48	18.079		
1,140.0	1,140.0	1,144.5	1,144.5	4.3	4.3	-168.87	-150.5	-29.6	153.4	144.8	8.58	17.881		
1,200.0	1,200.0	1,204.5	1,204.5	4.4	4.4	-168.87	-150.5	-29.6	153.4	144.7	8.72	17.588		
1,235.0	1,235.0	1,239.5	1,239.5	4.4	4.4	-168.87	-150.5	-29.6	153.4	144.6	8.80	17.425		
1,300.0	1,300.0	1,304.5	1,304.5	4.5	4.5	-168.87	-150.5	-29.6	153.4	144.4	8.96	17.125		
1,330.0	1,330.0	1,334.5	1,334.5	4.5	4.5	-168.87	-150.5	-29.6	153.4	144.4	9.03	16.992		
1,400.0	1,400.0	1,404.5	1,404.5	4.6	4.6	-168.87	-150.5	-29.6	153.4	144.2	9.19	16.688		
1,425.0	1,425.0	1,429.5	1,429.5	4.6	4.6	-168.87	-150.5	-29.6	153.4	144.1	9.25	16.583		
1,500.0	1,500.0	1,504.5	1,504.5	4.7	4.7	-168.87	-150.5	-29.6	153.4	144.0	9.43	16.273		
1,500.8	1,500.8	1,505.3	1,505.3	4.7	4.7	-142.04	-150.5	-29.6	153.4	144.0	9.43	16.270 CC		
1,520.0	1,520.0	1,524.7	1,524.7	4.8	4.7	-142.01	-150.5	-29.7	153.4	143.9	9.48	16.183 ES		
1,600.0	1,600.0	1,605.1	1,605.1	4.9	4.8	-141.71	-149.9	-31.4	154.5	144.9	9.69	15.956		
1,615.0	1,615.0	1,620.2	1,620.2	4.9	4.9	-141.62	-149.7	-32.0	154.9	145.2	9.74	15.904		
1,700.0	1,699.8	1,705.6	1,705.4	5.2	5.0	-140.89	-148.2	-36.6	158.1	148.0	10.05	15.721		
1,710.0	1,709.8	1,715.7	1,715.5	5.2	5.1	-140.78	-148.0	-37.3	158.5	148.5	10.09	15.711		
1,800.0	1,799.5	1,805.9	1,805.3	5.4	5.3	-139.63	-145.5	-45.1	164.0	153.6	10.42	15.737		
1,805.0	1,804.4	1,810.9	1,810.3	5.5	5.3	-139.55	-145.3	-45.6	164.4	153.9	10.44	15.743		
1,900.0	1,898.7	1,905.8	1,904.5	5.7	5.6	-138.02	-141.7	-56.9	172.4	161.6	10.79	15.981		
1,995.0	1,992.5	2,000.3	1,997.8	6.0	5.9	-136.29	-137.2	-71.1	182.7	171.6	11.14	16.407		
2,000.0	1,997.5	2,005.3	2,002.7	6.0	5.9	-136.19	-136.9	-71.9	183.3	172.2	11.16	16.434		
2,090.0	2,085.8	2,094.4	2,090.1	6.4	6.2	-134.43	-131.7	-88.1	195.4	183.9	11.49	17.004		
2,100.0	2,095.6	2,104.2	2,099.8	6.4	6.2	-134.23	-131.1	-90.0	196.9	185.4	11.53	17.077		
2,125.2	2,120.2	2,129.1	2,124.0	6.4	6.3	-133.72	-129.5	-95.1	200.7	189.1	11.59	17.312		
2,185.0	2,178.6	2,187.9	2,181.3	6.6	6.6	-132.54	-125.4	-107.9	210.0	198.3	11.77	17.838		
2,200.0	2,193.3	2,202.6	2,195.6	6.6	6.6	-132.21	-124.3	-111.2	212.4	200.6	11.82	17.971		
2,280.0	2,271.4	2,281.3	2,272.0	6.9	6.9	-130.53	-118.4	-129.3	225.1	213.0	12.10	18.604		
2,300.0	2,290.9	2,301.0	2,291.1	6.9	6.9	-130.14	-117.0	-133.9	228.3	216.1	12.17	18.759		
2,375.0	2,364.1	2,374.8	2,362.7	7.2	7.2	-128.76	-111.5	-150.9	240.4	228.0	12.45	19.316		
2,400.0	2,388.5	2,399.4	2,386.6	7.3	7.2	-128.33	-109.7	-156.5	244.5	231.9	12.54	19.498		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Rule Assigned:												Warning	
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
2,470.0	2,456.9	2,468.3	2,453.4	7.5	7.5	-127.21	-104.6	-172.4	255.9	243.1	12.81	19.985	
2,500.0	2,486.2	2,497.8	2,482.1	7.6	7.6	-126.75	-102.4	-179.2	260.8	247.9	12.92	20.189	
2,565.0	2,549.6	2,561.8	2,544.1	7.8	7.8	-125.83	-97.7	-193.9	271.6	258.4	13.18	20.610	
2,600.0	2,583.8	2,596.3	2,577.6	7.9	7.9	-125.36	-95.1	-201.9	277.4	264.1	13.32	20.831	
2,660.0	2,642.4	2,655.3	2,634.8	8.2	8.2	-124.60	-90.8	-215.5	287.4	273.8	13.56	21.193	
2,700.0	2,681.4	2,694.7	2,673.0	8.3	8.3	-124.12	-87.9	-224.5	294.1	280.4	13.72	21.428	
2,755.0	2,735.1	2,748.8	2,725.6	8.5	8.5	-123.50	-83.9	-237.0	303.3	289.4	13.95	21.736	
2,800.0	2,779.0	2,793.1	2,768.5	8.7	8.7	-123.02	-80.6	-247.2	310.9	296.7	14.14	21.982	
2,850.0	2,827.9	2,842.3	2,816.3	8.9	8.9	-122.51	-76.9	-258.5	319.3	305.0	14.36	22.242	
2,900.0	2,876.7	2,891.5	2,864.0	9.1	9.1	-122.03	-73.3	-269.8	327.8	313.2	14.57	22.495	
2,945.0	2,920.6	2,935.8	2,907.0	9.3	9.3	-121.62	-70.0	-280.0	335.4	320.7	14.77	22.712	
3,000.0	2,974.3	2,989.9	2,959.5	9.5	9.5	-121.14	-66.0	-292.5	344.8	329.8	15.01	22.970	
3,040.0	3,013.4	3,029.3	2,997.7	9.6	9.6	-120.80	-63.1	-301.6	351.6	336.4	15.19	23.150	
3,100.0	3,071.9	3,088.3	3,055.0	9.9	9.9	-120.33	-58.7	-315.2	361.8	346.4	15.46	23.411	
3,135.0	3,106.1	3,122.8	3,088.4	10.0	10.0	-120.06	-56.2	-323.1	367.8	352.2	15.61	23.557	
3,200.0	3,169.6	3,186.7	3,150.5	10.3	10.3	-119.59	-51.5	-337.8	379.0	363.1	15.91	23.820	
3,230.0	3,198.8	3,216.2	3,179.1	10.4	10.4	-119.38	-49.3	-344.6	384.1	368.1	16.05	23.936	
3,300.0	3,267.2	3,285.1	3,246.0	10.7	10.7	-118.92	-44.2	-360.5	396.2	379.8	16.37	24.199	
3,325.0	3,291.6	3,309.7	3,269.8	10.8	10.8	-118.76	-42.4	-366.1	400.5	384.0	16.49	24.289	
3,400.0	3,364.8	3,383.5	3,341.5	11.1	11.1	-118.30	-36.9	-383.1	413.4	396.6	16.84	24.550	
3,420.0	3,384.3	3,403.2	3,360.6	11.2	11.2	-118.18	-35.4	-387.7	416.9	399.9	16.93	24.617	
3,500.0	3,462.4	3,481.9	3,436.9	11.6	11.6	-117.73	-29.6	-405.8	430.7	413.4	17.31	24.877	
3,515.0	3,477.1	3,496.7	3,451.3	11.6	11.6	-117.65	-28.5	-409.2	433.3	415.9	17.38	24.924	
3,600.0	3,560.1	3,580.4	3,532.4	12.0	12.0	-117.21	-22.3	-428.5	448.0	430.2	17.79	25.180	
3,610.0	3,569.8	3,590.2	3,542.0	12.0	12.0	-117.16	-21.6	-430.7	449.7	431.9	17.84	25.209	
3,700.0	3,657.7	3,678.8	3,627.9	12.4	12.4	-116.72	-15.1	-451.1	465.3	447.1	18.28	25.463	
3,705.0	3,662.6	3,683.7	3,632.7	12.4	12.5	-116.70	-14.7	-452.2	466.2	447.9	18.30	25.476	
3,800.0	3,755.3	3,777.2	3,723.4	12.9	12.9	-116.27	-7.8	-473.8	482.7	464.0	18.76	25.726	
3,895.0	3,848.1	3,870.7	3,814.1	13.3	13.3	-115.87	-0.9	-495.3	499.3	480.0	19.23	25.960	
3,900.0	3,853.0	3,875.6	3,818.9	13.3	13.3	-115.85	-0.5	-496.4	500.1	480.9	19.26	25.972	
3,990.0	3,940.8	3,964.2	3,904.8	13.7	13.7	-115.50	6.1	-516.8	515.8	496.1	19.70	26.179	
4,000.0	3,950.6	3,974.0	3,914.4	13.7	13.8	-115.46	6.8	-519.1	517.6	497.8	19.75	26.201	
4,085.0	4,033.6	4,057.6	3,995.5	14.1	14.1	-115.15	13.0	-538.4	532.4	512.2	20.17	26.397	
4,088.3	4,036.8	4,060.9	3,998.7	14.1	14.2	-115.14	13.2	-539.1	533.0	512.8	20.19	26.404	
4,100.0	4,048.2	4,072.4	4,009.9	14.2	14.2	-115.13	14.1	-541.8	535.0	514.8	20.24	26.438	
4,180.0	4,126.6	4,151.2	4,086.3	14.5	14.6	-114.96	19.9	-559.9	548.4	527.8	20.64	26.575	
4,200.0	4,146.3	4,170.9	4,105.4	14.6	14.7	-114.89	21.4	-564.4	551.6	530.9	20.73	26.603	
4,275.0	4,220.2	4,244.8	4,177.1	15.0	15.0	-114.50	26.8	-581.4	563.1	542.0	21.09	26.698	
4,300.0	4,245.0	4,269.4	4,201.0	15.1	15.1	-114.33	28.6	-587.1	566.8	545.6	21.21	26.723	
4,370.0	4,314.4	4,338.3	4,267.8	15.4	15.4	-113.77	33.7	-603.0	576.7	555.2	21.53	26.785	
4,400.0	4,344.2	4,367.8	4,296.5	15.5	15.6	-113.48	35.9	-609.8	580.8	559.1	21.67	26.803	
4,465.0	4,408.9	4,431.6	4,358.4	15.8	15.9	-112.78	40.7	-624.5	589.2	567.3	21.95	26.840	
4,500.0	4,443.7	4,466.0	4,391.7	15.9	16.0	-112.36	43.2	-632.4	593.6	571.5	22.11	26.851	
4,560.0	4,503.6	4,524.7	4,448.7	16.2	16.3	-111.57	47.5	-645.9	600.9	578.5	22.36	26.870	
4,600.0	4,543.6	4,563.8	4,486.7	16.3	16.5	-110.99	50.4	-654.9	605.6	583.0	22.53	26.873	
4,655.0	4,598.5	4,617.4	4,538.7	16.5	16.7	-110.13	54.4	-667.2	611.8	589.1	22.76	26.881	
4,700.0	4,643.5	4,661.2	4,581.2	16.6	16.9	-109.37	57.6	-677.3	616.8	593.9	22.95	26.876	
4,713.5	4,657.0	4,674.2	4,593.8	16.6	17.0	-135.97	58.6	-680.3	618.3	595.3	23.00	26.888	
4,750.0	4,693.5	4,709.7	4,628.2	16.6	17.2	-135.26	61.2	-688.5	622.3	599.2	23.13	26.901	
4,800.0	4,743.5	4,758.2	4,675.3	16.6	17.4	-134.30	64.8	-699.7	628.0	604.7	23.33	26.915	
4,845.0	4,788.5	4,801.9	4,717.7	16.7	17.6	-133.45	68.0	-709.7	633.3	609.8	23.53	26.919	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Rule Assigned:												Warning	
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
4,900.0	4,843.5	4,855.2	4,769.5	16.7	17.8	-132.43		72.0	-722.0	640.0	616.2	23.77	26.919
4,940.0	4,883.5	4,894.1	4,807.1	16.7	18.0	-131.70		74.9	-730.9	644.9	621.0	23.96	26.917
5,000.0	4,943.5	4,952.3	4,863.6	16.8	18.3	-130.62		79.2	-744.3	652.6	628.3	24.25	26.911
5,035.0	4,978.5	4,986.2	4,896.6	16.8	18.5	-130.01		81.7	-752.2	657.2	632.7	24.42	26.906
5,100.0	5,043.5	5,049.3	4,957.8	16.8	18.8	-128.89		86.4	-766.7	665.8	641.1	24.76	26.894
5,130.0	5,073.5	5,078.4	4,986.0	16.8	18.9	-128.38		88.5	-773.4	669.9	645.0	24.92	26.888
5,200.0	5,143.5	5,146.3	5,051.9	16.9	19.2	-127.22		93.5	-789.0	679.7	654.4	25.29	26.871
5,225.0	5,168.5	5,170.6	5,075.5	16.9	19.3	-126.81		95.3	-794.6	683.2	657.8	25.43	26.865
5,300.0	5,243.5	5,243.4	5,146.1	16.9	19.7	-125.61		100.7	-811.4	694.1	668.3	25.86	26.845
5,320.0	5,263.5	5,262.8	5,164.9	16.9	19.8	-125.30		102.2	-815.8	697.1	671.1	25.97	26.839
5,400.0	5,343.5	5,340.4	5,240.2	17.0	20.1	-124.07		107.9	-833.7	709.1	682.6	26.44	26.816
5,415.0	5,358.5	5,354.9	5,254.3	17.0	20.2	-123.84		109.0	-837.1	711.3	684.8	26.53	26.812
5,500.0	5,443.5	5,437.4	5,334.4	17.0	20.6	-122.59		115.1	-856.1	724.5	697.5	27.05	26.788
5,510.0	5,453.5	5,447.1	5,343.8	17.0	20.6	-122.45		115.8	-858.3	726.1	699.0	27.11	26.786
5,600.0	5,543.5	5,534.5	5,428.5	17.1	21.1	-121.17		122.3	-878.4	740.4	712.8	27.67	26.762
5,605.0	5,548.5	5,539.3	5,433.2	17.1	21.1	-121.10		122.6	-879.5	741.2	713.5	27.70	26.761
5,700.0	5,643.5	5,631.5	5,522.7	17.2	21.5	-119.81		129.4	-900.7	756.8	728.5	28.30	26.740
5,795.0	5,738.5	5,723.7	5,612.1	17.2	22.0	-118.57		136.3	-922.0	772.7	743.8	28.92	26.722
5,800.0	5,743.5	5,728.5	5,616.8	17.2	22.0	-118.51		136.6	-923.1	773.6	744.6	28.95	26.721
5,890.0	5,833.5	5,815.8	5,701.6	17.3	22.4	-117.38		143.1	-943.2	789.0	759.4	29.54	26.709
5,900.0	5,843.5	5,825.6	5,711.0	17.3	22.4	-117.26		143.8	-945.4	790.7	761.1	29.61	26.708
5,985.0	5,928.5	5,908.0	5,791.0	17.3	22.8	-116.24		149.9	-964.4	805.6	775.4	30.17	26.701
6,000.0	5,943.5	5,922.6	5,805.1	17.3	22.9	-116.07		151.0	-967.8	808.2	777.9	30.27	26.700
6,080.0	6,023.5	6,000.2	5,880.4	17.4	23.3	-115.14		156.7	-985.6	822.5	791.7	30.81	26.698
6,100.0	6,043.5	6,019.6	5,899.3	17.4	23.4	-114.92		158.2	-990.1	826.1	795.1	30.94	26.699
6,175.0	6,118.5	6,092.4	5,969.9	17.4	23.7	-114.09		163.5	-1,006.9	839.7	808.2	31.45	26.701
6,200.0	6,143.5	6,116.6	5,993.4	17.4	23.8	-113.82		165.3	-1,012.5	844.2	812.6	31.62	26.703
6,270.0	6,213.5	6,184.6	6,059.3	17.5	24.2	-113.08		170.4	-1,028.1	857.1	825.0	32.09	26.709
6,300.0	6,243.5	6,213.7	6,087.6	17.5	24.3	-112.76		172.5	-1,034.8	862.7	830.4	32.29	26.713
6,365.0	6,308.5	6,276.7	6,148.8	17.5	24.6	-112.10		177.2	-1,049.3	874.8	842.1	32.74	26.723
6,400.0	6,343.5	6,314.2	6,185.1	17.6	24.8	-111.72		179.9	-1,057.9	881.4	848.4	32.99	26.715
6,460.0	6,403.5	6,391.3	6,260.3	17.6	25.2	-111.00		185.2	-1,074.4	891.9	858.4	33.48	26.639
6,500.0	6,443.5	6,443.3	6,311.2	17.6	25.4	-110.58		188.4	-1,084.3	898.3	864.5	33.79	26.588
6,555.0	6,498.5	6,515.4	6,382.1	17.6	25.8	-110.06		192.4	-1,096.7	906.1	872.0	34.18	26.507
6,600.0	6,543.5	6,574.8	6,440.8	17.7	26.0	-109.70		195.3	-1,105.7	911.8	877.3	34.48	26.445
6,650.0	6,593.5	6,641.3	6,506.6	17.7	26.3	-109.35		198.1	-1,114.3	917.2	882.4	34.78	26.371
6,700.0	6,643.5	6,708.1	6,573.0	17.7	26.6	-109.07		200.4	-1,121.5	921.8	886.7	35.06	26.293
6,745.0	6,688.5	6,768.5	6,633.2	17.8	26.9	-108.86		202.1	-1,126.7	925.0	889.8	35.27	26.225
6,800.0	6,743.5	6,842.7	6,707.2	17.8	27.1	-108.68		203.6	-1,131.5	928.0	892.5	35.50	26.142
6,840.0	6,783.5	6,896.8	6,761.2	17.8	27.3	-108.59		204.3	-1,133.8	929.5	893.9	35.64	26.080
6,900.0	6,843.5	6,978.0	6,842.4	17.8	27.5	-108.52		204.9	-1,135.5	930.5	894.8	35.72	26.053
6,935.0	6,878.5	7,018.6	6,883.0	17.9	27.5	-108.52		204.9	-1,135.6	930.6	894.8	35.76	26.027
7,000.0	6,943.5	7,083.6	6,948.0	17.9	27.5	-108.52		204.9	-1,135.6	930.6	894.8	35.83	25.969
7,030.0	6,973.5	7,113.6	6,978.0	17.9	27.5	-108.52		204.9	-1,135.6	930.6	894.7	35.87	25.943
7,100.0	7,043.5	7,183.6	7,048.0	18.0	27.6	-108.52		204.9	-1,135.6	930.6	894.6	35.96	25.881
7,125.0	7,068.5	7,208.6	7,073.0	18.0	27.6	-108.52		204.9	-1,135.6	930.6	894.6	35.99	25.859
7,200.0	7,143.5	7,283.6	7,148.0	18.0	27.6	-108.52		204.9	-1,135.6	930.6	894.5	36.08	25.793
7,220.0	7,163.5	7,303.6	7,168.0	18.0	27.6	-108.52		204.9	-1,135.6	930.6	894.5	36.10	25.776
7,300.0	7,243.5	7,383.6	7,248.0	18.1	27.6	-108.52		204.9	-1,135.6	930.6	894.4	36.20	25.706
7,315.0	7,258.5	7,398.6	7,263.0	18.1	27.6	-108.52		204.9	-1,135.6	930.6	894.4	36.22	25.693
7,400.0	7,343.5	7,483.6	7,348.0	18.1	27.7	-108.52		204.9	-1,135.6	930.6	894.3	36.32	25.619

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,410.0	7,353.5	7,493.6	7,358.0	18.2	27.7	-108.52	204.9	-1,135.6	930.6	894.3	36.34	25.610		
7,500.0	7,443.5	7,583.6	7,448.0	18.2	27.7	-108.52	204.9	-1,135.6	930.6	894.1	36.45	25.532		
7,505.0	7,448.5	7,588.6	7,453.0	18.2	27.7	-108.52	204.9	-1,135.6	930.6	894.1	36.45	25.528		
7,600.0	7,543.5	7,683.6	7,548.0	18.3	27.7	-108.52	204.9	-1,135.6	930.6	894.0	36.57	25.447		
7,695.0	7,638.5	7,778.6	7,643.0	18.3	27.8	-108.52	204.9	-1,135.6	930.6	893.9	36.69	25.365		
7,700.0	7,643.5	7,783.6	7,648.0	18.3	27.8	-108.52	204.9	-1,135.6	930.6	893.9	36.69	25.361		
7,790.0	7,733.5	7,873.6	7,738.0	18.4	27.8	-108.52	204.9	-1,135.6	930.6	893.8	36.80	25.285		
7,800.0	7,743.5	7,883.6	7,748.0	18.4	27.8	-108.52	204.9	-1,135.6	930.6	893.8	36.82	25.276		
7,885.0	7,828.5	7,968.6	7,833.0	18.4	27.8	-108.52	204.9	-1,135.6	930.6	893.7	36.92	25.204		
7,900.0	7,843.5	7,983.6	7,848.0	18.4	27.8	-108.52	204.9	-1,135.6	930.6	893.7	36.94	25.192		
7,980.0	7,923.5	8,063.6	7,928.0	18.5	27.8	-108.52	204.9	-1,135.6	930.6	893.6	37.04	25.124		
8,000.0	7,943.5	8,083.6	7,948.0	18.5	27.8	-108.52	204.9	-1,135.6	930.6	893.5	37.06	25.108		
8,075.0	8,018.5	8,158.6	8,023.0	18.6	27.9	-108.52	204.9	-1,135.6	930.6	893.4	37.16	25.045		
8,100.0	8,043.5	8,183.6	8,048.0	18.6	27.9	-108.52	204.9	-1,135.6	930.6	893.4	37.19	25.024		
8,170.0	8,113.5	8,253.6	8,118.0	18.6	27.9	-108.52	204.9	-1,135.6	930.6	893.3	37.28	24.966		
8,200.0	8,143.5	8,283.6	8,148.0	18.6	27.9	-108.52	204.9	-1,135.6	930.6	893.3	37.31	24.941		
8,265.0	8,208.5	8,348.6	8,213.0	18.7	27.9	-108.52	204.9	-1,135.6	930.6	893.2	37.39	24.887		
8,300.0	8,243.5	8,383.6	8,248.0	18.7	27.9	-108.52	204.9	-1,135.6	930.6	893.2	37.44	24.858		
8,360.0	8,303.5	8,443.6	8,308.0	18.7	28.0	-108.52	204.9	-1,135.6	930.6	893.1	37.51	24.811		
8,400.0	8,343.5	8,483.6	8,348.0	18.8	28.0	-108.52	204.9	-1,135.6	930.6	893.0	37.55	24.781		
8,455.0	8,398.5	8,520.6	8,385.0	18.8	28.0	-108.58	203.9	-1,135.6	931.1	893.4	37.69	24.704		
8,500.0	8,443.5	8,550.0	8,414.3	18.8	28.0	-108.72	201.4	-1,135.6	932.4	894.6	37.78	24.675		
8,550.0	8,493.5	8,581.9	8,445.8	18.8	28.0	-108.98	197.0	-1,135.7	934.7	896.8	37.87	24.681		
8,600.0	8,543.5	8,613.3	8,476.7	18.9	28.0	-109.33	191.0	-1,135.7	938.0	900.0	37.93	24.727		
8,645.0	8,588.5	8,650.0	8,512.2	18.9	28.0	-109.86	181.8	-1,135.8	941.9	904.0	37.91	24.848		
8,700.0	8,643.5	8,673.8	8,534.9	18.9	28.0	-110.27	174.6	-1,135.9	947.7	909.7	38.00	24.937		
8,740.0	8,683.5	8,700.0	8,559.5	19.0	28.0	-110.77	165.6	-1,135.9	952.8	914.8	37.99	25.080		
8,800.0	8,743.5	8,730.3	8,587.5	19.0	28.0	-111.44	153.9	-1,136.1	962.0	923.9	38.02	25.301		
8,835.0	8,778.5	8,750.0	8,605.2	19.0	28.0	-111.91	145.4	-1,136.1	968.1	930.1	38.01	25.469		
8,900.0	8,843.5	8,782.2	8,633.7	19.1	28.0	-112.74	130.3	-1,136.3	981.2	943.2	38.01	25.816		
8,930.0	8,873.5	8,800.0	8,649.0	19.1	28.0	-113.24	121.3	-1,136.3	988.0	950.0	37.98	26.017		
9,000.0	8,943.5	8,829.3	8,673.6	19.1	28.0	-114.10	105.5	-1,136.5	1,005.8	967.8	37.98	26.481		
9,025.0	8,968.5	8,850.0	8,690.5	19.1	28.1	-114.74	93.5	-1,136.6	1,012.8	974.9	37.90	26.727		
9,100.0	9,043.5	8,871.6	8,707.7	19.2	28.1	-115.43	80.4	-1,136.7	1,035.8	997.9	37.95	27.292		
9,120.0	9,063.5	8,879.5	8,713.8	19.2	28.1	-115.69	75.4	-1,136.8	1,042.5	1,004.6	37.95	27.472		
9,200.0	9,143.5	8,900.0	8,729.5	19.3	28.1	-116.38	62.2	-1,136.9	1,071.6	1,033.5	38.01	28.194		
9,215.0	9,158.5	8,914.8	8,740.5	19.3	28.1	-116.90	52.2	-1,137.0	1,077.3	1,039.4	37.93	28.403		
9,239.5	9,183.0	8,923.3	8,746.6	19.3	28.1	-117.19	46.4	-1,137.0	1,087.1	1,049.1	37.92	28.667		
9,250.0	9,193.5	8,926.9	8,749.2	19.3	28.1	61.76	43.9	-1,137.0	1,091.3	1,053.4	37.91	28.784		
9,300.0	9,243.4	8,950.0	8,765.5	19.3	28.1	59.14	27.5	-1,137.2	1,111.2	1,073.3	37.88	29.337		
9,310.0	9,253.4	8,950.0	8,765.5	19.3	28.1	58.78	27.5	-1,137.2	1,115.1	1,077.2	37.91	29.414		
9,350.0	9,292.9	8,950.0	8,765.5	19.4	28.1	57.36	27.5	-1,137.2	1,130.4	1,092.4	38.05	29.711		
9,400.0	9,341.4	8,980.2	8,785.8	19.4	28.1	54.96	5.1	-1,137.4	1,148.5	1,110.4	38.03	30.199		
9,405.0	9,346.2	8,982.0	8,787.0	19.4	28.1	54.76	3.8	-1,137.4	1,150.2	1,112.2	38.04	30.238		
9,450.0	9,388.8	9,000.0	8,798.4	19.5	28.1	53.05	-10.1	-1,137.5	1,165.5	1,127.4	38.12	30.574		
9,500.0	9,434.7	9,017.2	8,809.0	19.5	28.1	51.39	-23.7	-1,137.6	1,181.3	1,143.1	38.26	30.875		
9,550.0	9,478.6	9,050.0	8,827.9	19.6	28.1	49.69	-50.4	-1,137.9	1,196.0	1,157.7	38.32	31.209		
9,595.0	9,516.2	9,050.0	8,827.9	19.7	28.1	48.79	-50.4	-1,137.9	1,207.5	1,168.9	38.61	31.273		
9,600.0	9,520.2	9,050.0	8,827.9	19.7	28.1	48.69	-50.4	-1,137.9	1,208.8	1,170.1	38.65	31.278		
9,650.0	9,559.3	9,074.3	8,840.9	19.7	28.2	47.53	-70.9	-1,138.1	1,220.1	1,181.3	38.82	31.426		
9,690.0	9,588.5	9,100.0	8,853.8	19.8	28.2	46.69	-93.2	-1,138.3	1,228.1	1,189.2	38.94	31.539		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												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	
9,700.0	9,595.5	9,100.0	8,853.8	19.8	28.2	46.56	-93.2	-1,138.3	1,229.9	1,190.8	39.02	31.520	
9,750.0	9,628.6	9,100.0	8,853.8	19.8	28.2	45.97	-93.2	-1,138.3	1,237.9	1,198.5	39.42	31.403	
9,785.0	9,649.8	9,126.6	8,866.0	19.9	28.2	45.48	-116.8	-1,138.5	1,242.3	1,202.7	39.53	31.428	
9,800.0	9,658.3	9,132.4	8,868.5	19.9	28.2	45.33	-122.1	-1,138.5	1,243.9	1,204.3	39.62	31.400	
9,850.0	9,684.4	9,150.0	8,875.8	20.0	28.2	44.95	-138.1	-1,138.6	1,248.2	1,208.3	39.94	31.254	
9,880.0	9,698.2	9,150.0	8,875.8	20.0	28.2	44.82	-138.1	-1,138.6	1,250.1	1,209.9	40.22	31.083	
9,900.0	9,706.7	9,171.5	8,884.1	20.0	28.2	44.73	-158.0	-1,138.8	1,250.7	1,210.4	40.25	31.070	
9,950.0	9,724.9	9,200.0	8,893.9	20.0	28.2	44.68	-184.7	-1,139.1	1,251.3	1,210.8	40.54	30.869	
9,975.0	9,732.5	9,200.0	8,893.9	20.1	28.2	44.71	-184.7	-1,139.1	1,250.8	1,210.1	40.79	30.665	
10,000.0	9,739.1	9,200.0	8,893.9	20.1	28.2	44.77	-184.7	-1,139.1	1,250.1	1,209.0	41.05	30.455	
10,050.0	9,749.0	9,230.3	8,902.8	20.1	28.3	45.08	-213.6	-1,139.3	1,246.8	1,205.4	41.35	30.152	
10,070.0	9,751.8	9,250.0	8,907.8	20.1	28.3	45.29	-232.7	-1,139.5	1,245.1	1,203.7	41.42	30.063	
10,100.0	9,754.6	9,250.0	8,907.8	20.1	28.3	45.53	-232.7	-1,139.5	1,241.7	1,200.0	41.74	29.748	
10,139.0	9,756.0	9,250.0	8,907.8	20.2	28.3	45.89	-232.7	-1,139.5	1,236.7	1,194.6	42.16	29.337	
10,165.0	9,756.0	9,275.1	8,913.2	20.2	28.3	46.07	-257.2	-1,139.7	1,232.8	1,190.6	42.24	29.183	
10,200.0	9,756.0	9,300.0	8,917.5	20.2	28.3	46.22	-281.7	-1,139.9	1,228.5	1,186.1	42.43	28.957	
10,260.0	9,756.1	9,300.0	8,917.5	20.2	28.3	46.22	-281.7	-1,139.9	1,222.4	1,179.3	43.08	28.375	
10,300.0	9,756.1	9,328.7	8,921.1	20.2	28.4	46.34	-310.2	-1,140.2	1,219.0	1,175.7	43.30	28.153	
10,355.0	9,756.2	9,350.0	8,922.8	20.3	28.4	46.40	-331.4	-1,140.4	1,216.0	1,172.2	43.75	27.793	
10,400.0	9,756.2	9,369.2	8,923.7	20.3	28.4	46.43	-350.6	-1,140.5	1,214.6	1,170.5	44.10	27.542	
10,450.0	9,756.2	9,395.3	8,924.0	20.3	28.4	46.44	-376.7	-1,140.8	1,214.1	1,169.7	44.46	27.311	
10,500.0	9,756.3	9,445.3	8,924.1	20.3	28.5	46.44	-426.7	-1,141.2	1,214.1	1,169.4	44.64	27.195	
10,545.0	9,756.3	9,490.3	8,924.2	20.4	28.6	46.44	-471.7	-1,141.6	1,214.0	1,169.2	44.83	27.084	
10,600.0	9,756.4	9,545.3	8,924.3	20.4	28.6	46.44	-526.7	-1,142.1	1,214.0	1,168.9	45.06	26.943	
10,640.0	9,756.4	9,585.3	8,924.4	20.4	28.7	46.44	-566.7	-1,142.5	1,214.0	1,168.7	45.24	26.834	
10,700.0	9,756.4	9,645.3	8,924.5	20.5	28.8	46.45	-626.7	-1,143.0	1,213.9	1,168.4	45.52	26.666	
10,735.0	9,756.5	9,680.3	8,924.6	20.5	28.9	46.45	-661.7	-1,143.3	1,213.9	1,168.2	45.70	26.563	
10,800.0	9,756.5	9,745.3	8,924.7	20.6	29.0	46.45	-726.7	-1,143.9	1,213.9	1,167.8	46.03	26.368	
10,830.0	9,756.5	9,775.3	8,924.7	20.6	29.0	46.45	-756.7	-1,144.1	1,213.8	1,167.6	46.20	26.274	
10,900.0	9,756.6	9,845.3	8,924.9	20.7	29.2	46.45	-826.7	-1,144.8	1,213.8	1,167.2	46.59	26.051	
10,925.0	9,756.6	9,870.3	8,924.9	20.7	29.2	46.45	-851.7	-1,145.0	1,213.8	1,167.0	46.74	25.968	
11,000.0	9,756.7	9,945.3	8,925.1	20.8	29.4	46.46	-926.7	-1,145.7	1,213.7	1,166.5	47.19	25.717	
11,020.0	9,756.7	9,965.3	8,925.1	20.9	29.4	46.46	-946.7	-1,145.8	1,213.7	1,166.4	47.32	25.648	
11,100.0	9,756.8	10,045.3	8,925.2	21.0	29.6	46.46	-1,026.7	-1,146.5	1,213.6	1,165.8	47.84	25.369	
11,115.0	9,756.8	10,060.3	8,925.3	21.0	29.6	46.46	-1,041.6	-1,146.7	1,213.6	1,165.7	47.94	25.315	
11,200.0	9,756.8	10,145.3	8,925.4	21.2	29.8	46.46	-1,126.6	-1,147.4	1,213.6	1,165.0	48.52	25.010	
11,210.0	9,756.8	10,155.3	8,925.5	21.2	29.9	46.46	-1,136.6	-1,147.5	1,213.6	1,165.0	48.59	24.973	
11,300.0	9,756.9	10,245.3	8,925.6	21.4	30.1	46.47	-1,226.6	-1,148.3	1,213.5	1,164.2	49.25	24.641	
11,305.0	9,756.9	10,250.3	8,925.6	21.4	30.1	46.47	-1,231.6	-1,148.4	1,213.5	1,164.2	49.28	24.622	
11,400.0	9,757.0	10,345.3	8,925.8	21.6	30.4	46.47	-1,326.6	-1,149.2	1,213.4	1,163.4	50.01	24.265	
11,495.0	9,757.1	10,440.3	8,926.0	21.8	30.6	46.48	-1,421.6	-1,150.1	1,213.3	1,162.6	50.76	23.903	
11,500.0	9,757.1	10,445.3	8,926.0	21.8	30.6	46.48	-1,426.6	-1,150.1	1,213.3	1,162.5	50.80	23.884	
11,590.0	9,757.1	10,535.3	8,926.2	22.1	30.9	46.48	-1,516.6	-1,150.9	1,213.3	1,161.7	51.55	23.538	
11,600.0	9,757.2	10,545.3	8,926.2	22.1	30.9	46.48	-1,526.6	-1,151.0	1,213.3	1,161.6	51.63	23.499	
11,685.0	9,757.2	10,630.3	8,926.3	22.4	31.2	46.48	-1,611.6	-1,151.8	1,213.2	1,160.8	52.36	23.170	
11,700.0	9,757.2	10,645.3	8,926.4	22.5	31.2	46.48	-1,626.6	-1,151.9	1,213.2	1,160.7	52.49	23.113	
11,780.0	9,757.3	10,725.3	8,926.5	22.7	31.5	46.49	-1,706.6	-1,152.6	1,213.1	1,159.9	53.20	22.803	
11,800.0	9,757.3	10,745.3	8,926.6	22.8	31.6	46.49	-1,726.6	-1,152.8	1,213.1	1,159.7	53.38	22.726	
11,875.0	9,757.4	10,820.3	8,926.7	23.1	31.8	46.49	-1,801.6	-1,153.4	1,213.1	1,159.0	54.07	22.436	
11,900.0	9,757.4	10,845.3	8,926.8	23.2	31.9	46.49	-1,826.6	-1,153.7	1,213.0	1,158.7	54.30	22.339	
11,970.0	9,757.5	10,915.3	8,926.9	23.5	32.2	46.49	-1,896.6	-1,154.3	1,213.0	1,158.0	54.96	22.070	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												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	
12,000.0	9,757.5	10,945.3	8,926.9	23.6	32.3	46.49	-1,926.6	-1,154.6	1,213.0	1,157.7	55.25	21.955	
12,065.0	9,757.5	11,010.3	8,927.1	23.9	32.5	46.50	-1,991.6	-1,155.1	1,212.9	1,157.0	55.88	21.707	
12,100.0	9,757.6	11,045.3	8,927.1	24.1	32.6	46.50	-2,026.6	-1,155.4	1,212.9	1,156.7	56.22	21.574	
12,160.0	9,757.6	11,105.3	8,927.2	24.4	32.9	46.50	-2,086.6	-1,156.0	1,212.9	1,156.0	56.82	21.347	
12,200.0	9,757.6	11,145.3	8,927.3	24.6	33.0	46.50	-2,126.6	-1,156.3	1,212.8	1,155.6	57.22	21.197	
12,255.0	9,757.7	11,200.3	8,927.4	24.9	33.2	46.50	-2,181.6	-1,156.8	1,212.8	1,155.0	57.78	20.991	
12,300.0	9,757.7	11,245.3	8,927.5	25.1	33.4	46.51	-2,226.6	-1,157.2	1,212.7	1,154.5	58.24	20.824	
12,350.0	9,757.8	11,295.3	8,927.6	25.4	33.6	46.51	-2,276.6	-1,157.7	1,212.7	1,154.0	58.76	20.640	
12,400.0	9,757.8	11,345.3	8,927.7	25.6	33.8	46.51	-2,326.6	-1,158.1	1,212.7	1,153.4	59.28	20.457	
12,445.0	9,757.8	11,390.3	8,927.8	25.9	34.0	46.51	-2,371.6	-1,158.5	1,212.6	1,152.9	59.76	20.293	
12,500.0	9,757.9	11,445.3	8,927.9	26.2	34.2	46.51	-2,426.6	-1,159.0	1,212.6	1,152.3	60.34	20.095	
12,540.0	9,757.9	11,485.3	8,928.0	26.4	34.4	46.52	-2,466.6	-1,159.4	1,212.6	1,151.8	60.78	19.952	
12,600.0	9,757.9	11,545.3	8,928.1	26.7	34.7	46.52	-2,526.6	-1,159.9	1,212.5	1,151.1	61.43	19.739	
12,635.0	9,758.0	11,580.3	8,928.1	26.9	34.8	46.52	-2,561.6	-1,160.2	1,212.5	1,150.7	61.81	19.616	
12,700.0	9,758.0	11,645.3	8,928.3	27.3	35.1	46.52	-2,626.6	-1,160.8	1,212.5	1,149.9	62.53	19.390	
12,730.0	9,758.1	11,675.3	8,928.3	27.5	35.2	46.52	-2,656.6	-1,161.0	1,212.4	1,149.6	62.87	19.286	
12,800.0	9,758.1	11,745.3	8,928.5	27.9	35.5	46.53	-2,726.6	-1,161.7	1,212.4	1,148.7	63.65	19.047	
12,825.0	9,758.1	11,770.3	8,928.5	28.1	35.7	46.53	-2,751.6	-1,161.9	1,212.4	1,148.4	63.93	18.962	
12,900.0	9,758.2	11,845.3	8,928.6	28.5	36.0	46.53	-2,826.6	-1,162.6	1,212.3	1,147.5	64.79	18.712	
12,920.0	9,758.2	11,865.3	8,928.7	28.7	36.1	46.53	-2,846.6	-1,162.7	1,212.3	1,147.3	65.02	18.645	
13,000.0	9,758.3	11,945.3	8,928.8	29.1	36.5	46.53	-2,926.6	-1,163.4	1,212.2	1,146.3	65.94	18.383	
13,015.0	9,758.3	11,960.3	8,928.9	29.2	36.5	46.53	-2,941.6	-1,163.6	1,212.2	1,146.1	66.12	18.334	
13,100.0	9,758.3	12,045.3	8,929.0	29.8	36.9	46.54	-3,026.6	-1,164.3	1,212.2	1,145.0	67.11	18.062	
13,110.0	9,758.4	12,055.3	8,929.0	29.8	37.0	46.54	-3,036.6	-1,164.4	1,212.1	1,144.9	67.23	18.030	
13,200.0	9,758.4	12,145.3	8,929.2	30.4	37.4	46.54	-3,126.6	-1,165.2	1,212.1	1,143.8	68.30	17.747	
13,205.0	9,758.4	12,150.3	8,929.2	30.4	37.5	46.54	-3,131.6	-1,165.3	1,212.1	1,143.7	68.36	17.732	
13,300.0	9,758.5	12,245.3	8,929.4	31.1	37.9	46.54	-3,226.6	-1,166.1	1,212.0	1,142.5	69.49	17.440	
13,395.0	9,758.6	12,340.3	8,929.6	31.7	38.4	46.55	-3,321.6	-1,167.0	1,211.9	1,141.3	70.64	17.156	
13,400.0	9,758.6	12,345.3	8,929.6	31.7	38.4	46.55	-3,326.6	-1,167.0	1,211.9	1,141.2	70.71	17.141	
13,490.0	9,758.7	12,435.3	8,929.8	32.3	38.9	46.55	-3,416.5	-1,167.8	1,211.9	1,140.1	71.81	16.877	
13,500.0	9,758.7	12,445.3	8,929.8	32.4	38.9	46.55	-3,426.5	-1,167.9	1,211.9	1,139.9	71.93	16.848	
13,585.0	9,758.7	12,530.3	8,929.9	32.9	39.4	46.56	-3,511.5	-1,168.6	1,211.8	1,138.8	72.98	16.605	
13,600.0	9,758.7	12,545.3	8,930.0	33.0	39.5	46.56	-3,526.5	-1,168.8	1,211.8	1,138.6	73.16	16.563	
13,680.0	9,758.8	12,625.3	8,930.1	33.6	39.9	46.56	-3,606.5	-1,169.5	1,211.7	1,137.6	74.16	16.339	
13,700.0	9,758.8	12,645.3	8,930.1	33.7	40.0	46.56	-3,626.5	-1,169.7	1,211.7	1,137.3	74.41	16.284	
13,775.0	9,758.9	12,720.3	8,930.3	34.2	40.4	46.56	-3,701.5	-1,170.3	1,211.7	1,136.3	75.35	16.080	
13,800.0	9,758.9	12,745.3	8,930.3	34.4	40.5	46.56	-3,726.5	-1,170.6	1,211.6	1,136.0	75.67	16.013	
13,870.0	9,759.0	12,815.3	8,930.5	34.8	40.9	46.57	-3,796.5	-1,171.2	1,211.6	1,135.0	76.55	15.826	
13,900.0	9,759.0	12,845.3	8,930.5	35.0	41.1	46.57	-3,826.5	-1,171.4	1,211.6	1,134.6	76.94	15.748	
13,965.0	9,759.0	12,910.3	8,930.6	35.5	41.4	46.57	-3,891.5	-1,172.0	1,211.5	1,133.8	77.77	15.579	
14,000.0	9,759.1	12,945.3	8,930.7	35.7	41.6	46.57	-3,926.5	-1,172.3	1,211.5	1,133.3	78.21	15.489	
14,060.0	9,759.1	13,005.3	8,930.8	36.1	42.0	46.57	-3,986.5	-1,172.9	1,211.4	1,132.5	78.98	15.338	
14,100.0	9,759.1	13,045.3	8,930.9	36.4	42.2	46.57	-4,026.5	-1,173.2	1,211.4	1,131.9	79.50	15.238	
14,155.0	9,759.2	13,100.3	8,931.0	36.8	42.5	46.58	-4,081.5	-1,173.7	1,211.4	1,131.2	80.21	15.102	
14,200.0	9,759.2	13,145.3	8,931.1	37.1	42.8	46.58	-4,126.5	-1,174.1	1,211.3	1,130.5	80.80	14.993	
14,250.0	9,759.3	13,195.3	8,931.2	37.4	43.0	46.58	-4,176.5	-1,174.6	1,211.3	1,129.9	81.45	14.872	
14,300.0	9,759.3	13,245.3	8,931.3	37.8	43.3	46.58	-4,226.5	-1,175.0	1,211.3	1,129.2	82.10	14.753	
14,345.0	9,759.3	13,290.3	8,931.4	38.1	43.6	46.58	-4,271.5	-1,175.4	1,211.2	1,128.5	82.69	14.648	
14,400.0	9,759.4	13,345.3	8,931.5	38.5	43.9	46.59	-4,326.5	-1,175.9	1,211.2	1,127.8	83.41	14.520	
14,440.0	9,759.4	13,385.3	8,931.5	38.8	44.1	46.59	-4,366.5	-1,176.2	1,211.2	1,127.2	83.94	14.429	
14,500.0	9,759.5	13,445.3	8,931.7	39.2	44.5	46.59	-4,426.5	-1,176.8	1,211.1	1,126.4	84.73	14.293	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Rule Assigned:												Warning	
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
14,535.0	9,759.5	13,480.3	8,931.7	39.4	44.7	46.59	46.59	-4,461.5	-1,177.1	1,211.1	1,125.9	85.20	14.215
14,600.0	9,759.5	13,545.3	8,931.8	39.9	45.1	46.59	46.59	-4,526.5	-1,177.7	1,211.0	1,125.0	86.06	14.072
14,630.0	9,759.6	13,575.3	8,931.9	40.1	45.2	46.60	46.60	-4,556.5	-1,177.9	1,211.0	1,124.6	86.46	14.007
14,700.0	9,759.6	13,645.3	8,932.0	40.6	45.7	46.60	46.60	-4,626.5	-1,178.6	1,211.0	1,123.6	87.40	13.856
14,725.0	9,759.6	13,670.3	8,932.1	40.8	45.8	46.60	46.60	-4,651.5	-1,178.8	1,211.0	1,123.2	87.73	13.803
14,800.0	9,759.7	13,745.3	8,932.2	41.3	46.3	46.60	46.60	-4,726.5	-1,179.4	1,210.9	1,122.2	88.74	13.646
14,820.0	9,759.7	13,765.3	8,932.3	41.4	46.4	46.60	46.60	-4,746.5	-1,179.6	1,210.9	1,121.9	89.01	13.604
14,900.0	9,759.8	13,845.3	8,932.4	42.0	46.9	46.61	46.61	-4,826.5	-1,180.3	1,210.8	1,120.7	90.09	13.441
14,915.0	9,759.8	13,860.3	8,932.4	42.1	47.0	46.61	46.61	-4,841.5	-1,180.5	1,210.8	1,120.5	90.29	13.411
15,000.0	9,759.9	13,945.3	8,932.6	42.7	47.5	46.61	46.61	-4,926.5	-1,181.2	1,210.8	1,119.3	91.44	13.241
15,010.0	9,759.9	13,955.3	8,932.6	42.8	47.5	46.61	46.61	-4,936.5	-1,181.3	1,210.7	1,119.2	91.57	13.221
15,100.0	9,759.9	14,045.3	8,932.8	43.4	48.1	46.61	46.61	-5,026.5	-1,182.1	1,210.7	1,117.9	92.80	13.046
15,105.0	9,759.9	14,050.3	8,932.8	43.5	48.1	46.61	46.61	-5,031.5	-1,182.2	1,210.7	1,117.8	92.87	13.037
15,200.0	9,760.0	14,145.3	8,933.0	44.1	48.7	46.62	46.62	-5,126.5	-1,183.0	1,210.6	1,116.4	94.16	12.856
15,295.0	9,760.1	14,240.3	8,933.2	44.8	49.3	46.62	46.62	-5,221.5	-1,183.8	1,210.5	1,115.1	95.47	12.680
15,300.0	9,760.1	14,245.3	8,933.2	44.8	49.3	46.62	46.62	-5,226.5	-1,183.9	1,210.5	1,115.0	95.54	12.671
15,390.0	9,760.2	14,335.3	8,933.3	45.5	49.9	46.62	46.62	-5,316.5	-1,184.7	1,210.5	1,113.7	96.77	12.508
15,400.0	9,760.2	14,345.3	8,933.4	45.6	49.9	46.62	46.62	-5,326.5	-1,184.8	1,210.5	1,113.5	96.91	12.490
15,485.0	9,760.2	14,430.3	8,933.5	46.2	50.5	46.63	46.63	-5,411.5	-1,185.5	1,210.4	1,112.3	98.09	12.340
15,500.0	9,760.2	14,445.3	8,933.5	46.3	50.6	46.63	46.63	-5,426.5	-1,185.7	1,210.4	1,112.1	98.29	12.314
15,580.0	9,760.3	14,525.3	8,933.7	46.9	51.1	46.63	46.63	-5,506.5	-1,186.4	1,210.3	1,110.9	99.40	12.176
15,600.0	9,760.3	14,545.3	8,933.7	47.0	51.2	46.63	46.63	-5,526.5	-1,186.6	1,210.3	1,110.6	99.68	12.142
15,675.0	9,760.4	14,620.3	8,933.9	47.5	51.7	46.64	46.64	-5,601.5	-1,187.2	1,210.3	1,109.5	100.72	12.016
15,700.0	9,760.4	14,645.3	8,933.9	47.7	51.8	46.64	46.64	-5,626.5	-1,187.4	1,210.2	1,109.2	101.07	11.974
15,770.0	9,760.5	14,715.3	8,934.1	48.2	52.3	46.64	46.64	-5,696.5	-1,188.1	1,210.2	1,108.1	102.04	11.859
15,800.0	9,760.5	14,745.3	8,934.1	48.4	52.5	46.64	46.64	-5,726.5	-1,188.3	1,210.2	1,107.7	102.46	11.811
15,865.0	9,760.5	14,810.3	8,934.2	48.9	52.9	46.64	46.64	-5,791.5	-1,188.9	1,210.1	1,106.7	103.37	11.706
15,900.0	9,760.6	14,845.3	8,934.3	49.2	53.1	46.64	46.64	-5,826.4	-1,189.2	1,210.1	1,106.2	103.86	11.651
15,960.0	9,760.6	14,905.3	8,934.4	49.6	53.5	46.65	46.65	-5,886.4	-1,189.8	1,210.0	1,105.3	104.70	11.557
16,000.0	9,760.6	14,945.3	8,934.5	49.9	53.8	46.65	46.65	-5,926.4	-1,190.1	1,210.0	1,104.7	105.27	11.495
16,055.0	9,760.7	15,000.3	8,934.6	50.3	54.1	46.65	46.65	-5,981.4	-1,190.6	1,210.0	1,103.9	106.04	11.411
16,100.0	9,760.7	15,045.3	8,934.7	50.6	54.4	46.65	46.65	-6,026.4	-1,191.0	1,209.9	1,103.3	106.67	11.343
16,150.0	9,760.8	15,095.3	8,934.8	51.0	54.7	46.65	46.65	-6,076.4	-1,191.4	1,209.9	1,102.5	107.38	11.268
16,200.0	9,760.8	15,145.3	8,934.9	51.4	55.1	46.66	46.66	-6,126.4	-1,191.9	1,209.9	1,101.8	108.08	11.194
16,245.0	9,760.8	15,190.3	8,934.9	51.7	55.4	46.66	46.66	-6,171.4	-1,192.3	1,209.8	1,101.1	108.72	11.128
16,300.0	9,760.9	15,245.3	8,935.1	52.1	55.7	46.66	46.66	-6,226.4	-1,192.8	1,209.8	1,100.3	109.50	11.049
16,340.0	9,760.9	15,285.3	8,935.1	52.4	56.0	46.66	46.66	-6,266.4	-1,193.1	1,209.8	1,099.7	110.06	10.991
16,400.0	9,761.0	15,345.3	8,935.2	52.8	56.4	46.66	46.66	-6,326.4	-1,193.7	1,209.7	1,098.8	110.92	10.907
16,435.0	9,761.0	15,380.3	8,935.3	53.1	56.6	46.66	46.66	-6,361.4	-1,194.0	1,209.7	1,098.3	111.41	10.858
16,500.0	9,761.0	15,445.3	8,935.4	53.5	57.1	46.67	46.67	-6,426.4	-1,194.6	1,209.6	1,097.3	112.34	10.768
16,530.0	9,761.1	15,475.3	8,935.5	53.8	57.2	46.67	46.67	-6,456.4	-1,194.8	1,209.6	1,096.9	112.76	10.727
16,600.0	9,761.1	15,545.3	8,935.6	54.3	57.7	46.67	46.67	-6,526.4	-1,195.4	1,209.6	1,095.8	113.76	10.633
16,625.0	9,761.1	15,570.3	8,935.7	54.5	57.9	46.67	46.67	-6,551.4	-1,195.7	1,209.6	1,095.4	114.12	10.599
16,700.0	9,761.2	15,645.3	8,935.8	55.0	58.4	46.67	46.67	-6,626.4	-1,196.3	1,209.5	1,094.3	115.19	10.500
16,720.0	9,761.2	15,665.3	8,935.8	55.2	58.5	46.68	46.68	-6,646.4	-1,196.5	1,209.5	1,094.0	115.47	10.474
16,800.0	9,761.3	15,745.3	8,936.0	55.7	59.0	46.68	46.68	-6,726.4	-1,197.2	1,209.4	1,092.8	116.62	10.371
16,815.0	9,761.3	15,760.3	8,936.0	55.9	59.1	46.68	46.68	-6,741.4	-1,197.4	1,209.4	1,092.6	116.83	10.352
16,900.0	9,761.4	15,845.3	8,936.2	56.5	59.7	46.68	46.68	-6,826.4	-1,198.1	1,209.4	1,091.3	118.05	10.244
16,910.0	9,761.4	15,855.3	8,936.2	56.6	59.8	46.68	46.68	-6,836.4	-1,198.2	1,209.3	1,091.1	118.20	10.232
17,000.0	9,761.4	15,945.3	8,936.4	57.2	60.4	46.69	46.69	-6,926.4	-1,199.0	1,209.3	1,089.8	119.49	10.120
17,005.0	9,761.4	15,950.3	8,936.4	57.3	60.4	46.69	46.69	-6,931.4	-1,199.0	1,209.3	1,089.7	119.56	10.114

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor
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
17,100.0	9,761.5	16,045.3	8,936.6	58.0	61.1	46.69	-7,026.4	-1,199.9	1,209.2	1,088.3	120.93	9.999
17,195.0	9,761.6	16,140.3	8,936.7	58.7	61.7	46.69	-7,121.4	-1,200.7	1,209.1	1,086.8	122.30	9.887
17,200.0	9,761.6	16,145.3	8,936.8	58.7	61.7	46.69	-7,126.4	-1,200.8	1,209.1	1,086.8	122.37	9.881
17,290.0	9,761.7	16,235.3	8,936.9	59.4	62.4	46.70	-7,216.4	-1,201.6	1,209.1	1,085.4	123.67	9.777
17,300.0	9,761.7	16,245.3	8,936.9	59.4	62.4	46.70	-7,226.4	-1,201.7	1,209.1	1,085.2	123.81	9.765
17,385.0	9,761.7	16,330.3	8,937.1	60.1	63.0	46.70	-7,311.4	-1,202.4	1,209.0	1,084.0	125.04	9.669
17,400.0	9,761.8	16,345.3	8,937.1	60.2	63.1	46.70	-7,326.4	-1,202.6	1,209.0	1,083.7	125.26	9.652
17,480.0	9,761.8	16,425.3	8,937.3	60.8	63.7	46.70	-7,406.4	-1,203.3	1,208.9	1,082.5	126.42	9.563
17,500.0	9,761.8	16,445.3	8,937.3	60.9	63.8	46.70	-7,426.4	-1,203.5	1,208.9	1,082.2	126.71	9.541
17,575.0	9,761.9	16,520.3	8,937.5	61.5	64.3	46.71	-7,501.4	-1,204.1	1,208.9	1,081.1	127.80	9.459
17,600.0	9,761.9	16,545.3	8,937.5	61.6	64.5	46.71	-7,526.4	-1,204.3	1,208.8	1,080.7	128.16	9.432
17,670.0	9,762.0	16,615.3	8,937.6	62.2	65.0	46.71	-7,596.4	-1,205.0	1,208.8	1,079.6	129.18	9.358
17,700.0	9,762.0	16,645.3	8,937.7	62.4	65.2	46.71	-7,626.4	-1,205.2	1,208.8	1,079.2	129.61	9.326
17,765.0	9,762.0	16,710.3	8,937.8	62.9	65.6	46.72	-7,691.4	-1,205.8	1,208.7	1,078.2	130.56	9.258
17,800.0	9,762.1	16,745.3	8,937.9	63.1	65.9	46.72	-7,726.4	-1,206.1	1,208.7	1,077.6	131.07	9.222
17,860.0	9,762.1	16,805.3	8,938.0	63.6	66.3	46.72	-7,786.4	-1,206.7	1,208.6	1,076.7	131.94	9.160
17,900.0	9,762.1	16,845.3	8,938.1	63.9	66.5	46.72	-7,826.4	-1,207.0	1,208.6	1,076.1	132.52	9.120
17,955.0	9,762.2	16,900.3	8,938.2	64.3	66.9	46.72	-7,881.4	-1,207.5	1,208.6	1,075.2	133.33	9.065
18,000.0	9,762.2	16,945.3	8,938.3	64.6	67.2	46.72	-7,926.4	-1,207.9	1,208.5	1,074.6	133.98	9.020
18,050.0	9,762.3	16,995.3	8,938.4	65.0	67.6	46.73	-7,976.4	-1,208.3	1,208.5	1,073.8	134.71	8.971
18,100.0	9,762.3	17,045.3	8,938.4	65.4	67.9	46.73	-8,026.4	-1,208.8	1,208.5	1,073.0	135.44	8.922
18,145.0	9,762.3	17,090.3	8,938.5	65.7	68.2	46.73	-8,071.4	-1,209.2	1,208.4	1,072.3	136.10	8.879
18,200.0	9,762.4	17,145.3	8,938.6	66.1	68.6	46.73	-8,126.4	-1,209.7	1,208.4	1,071.5	136.91	8.826
18,240.0	9,762.4	17,185.3	8,938.7	66.4	68.9	46.73	-8,166.4	-1,210.0	1,208.4	1,070.9	137.49	8.789
18,300.0	9,762.5	17,245.3	8,938.8	66.8	69.3	46.74	-8,226.3	-1,210.6	1,208.3	1,069.9	138.37	8.732
18,335.0	9,762.5	17,280.3	8,938.9	67.1	69.6	46.74	-8,261.3	-1,210.9	1,208.3	1,069.4	138.89	8.700
18,400.0	9,762.5	17,345.3	8,939.0	67.6	70.0	46.74	-8,326.3	-1,211.5	1,208.2	1,068.4	139.84	8.640
18,430.0	9,762.6	17,375.3	8,939.1	67.8	70.2	46.74	-8,356.3	-1,211.7	1,208.2	1,067.9	140.28	8.613
18,500.0	9,762.6	17,445.3	8,939.2	68.3	70.7	46.74	-8,426.3	-1,212.3	1,208.2	1,066.9	141.31	8.550
18,525.0	9,762.6	17,470.3	8,939.3	68.5	70.9	46.74	-8,451.3	-1,212.6	1,208.2	1,066.5	141.67	8.528
18,600.0	9,762.7	17,545.3	8,939.4	69.1	71.4	46.75	-8,526.3	-1,213.2	1,208.1	1,065.3	142.78	8.461
18,620.0	9,762.7	17,565.3	8,939.4	69.2	71.6	46.75	-8,546.3	-1,213.4	1,208.1	1,065.0	143.07	8.444
18,700.0	9,762.8	17,645.3	8,939.6	69.8	72.1	46.75	-8,626.3	-1,214.1	1,208.0	1,063.8	144.25	8.375
18,715.0	9,762.8	17,660.3	8,939.6	69.9	72.2	46.75	-8,641.3	-1,214.3	1,208.0	1,063.5	144.47	8.362
18,800.0	9,762.9	17,745.3	8,939.8	70.6	72.8	46.75	-8,726.3	-1,215.0	1,208.0	1,062.2	145.72	8.290
18,810.0	9,762.9	17,755.3	8,939.8	70.6	72.9	46.76	-8,736.3	-1,215.1	1,207.9	1,062.1	145.87	8.281
18,900.0	9,762.9	17,845.3	8,940.0	71.3	73.5	46.76	-8,826.3	-1,215.9	1,207.9	1,060.7	147.20	8.206
18,905.0	9,762.9	17,850.3	8,940.0	71.4	73.6	46.76	-8,831.3	-1,215.9	1,207.9	1,060.6	147.27	8.202
19,000.0	9,763.0	17,945.3	8,940.1	72.1	74.2	46.76	-8,926.3	-1,216.8	1,207.8	1,059.1	148.67	8.124
19,095.0	9,763.1	18,040.3	8,940.3	72.8	74.9	46.77	-9,021.3	-1,217.6	1,207.7	1,057.7	150.07	8.048
19,100.0	9,763.1	18,045.3	8,940.3	72.8	74.9	46.77	-9,026.3	-1,217.7	1,207.7	1,057.6	150.15	8.044
19,190.0	9,763.2	18,135.3	8,940.5	73.5	75.6	46.77	-9,116.3	-1,218.5	1,207.7	1,056.2	151.48	7.973
19,200.0	9,763.2	18,145.3	8,940.5	73.6	75.7	46.77	-9,126.3	-1,218.6	1,207.7	1,056.0	151.63	7.965
19,285.0	9,763.2	18,230.3	8,940.7	74.2	76.3	46.77	-9,211.3	-1,219.3	1,207.6	1,054.7	152.88	7.899
19,300.0	9,763.3	18,245.3	8,940.7	74.3	76.4	46.77	-9,226.3	-1,219.5	1,207.6	1,054.5	153.11	7.887
19,380.0	9,763.3	18,325.3	8,940.9	74.9	76.9	46.78	-9,306.3	-1,220.2	1,207.5	1,053.2	154.29	7.826
19,400.0	9,763.3	18,345.3	8,940.9	75.1	77.1	46.78	-9,326.3	-1,220.3	1,207.5	1,052.9	154.59	7.811
19,475.0	9,763.4	18,420.3	8,941.0	75.6	77.6	46.78	-9,401.3	-1,221.0	1,207.5	1,051.8	155.70	7.755
19,500.0	9,763.4	18,445.3	8,941.1	75.8	77.8	46.78	-9,426.3	-1,221.2	1,207.4	1,051.4	156.07	7.737
19,570.0	9,763.5	18,515.3	8,941.2	76.3	78.3	46.78	-9,496.3	-1,221.9	1,207.4	1,050.3	157.11	7.685
19,600.0	9,763.5	18,545.3	8,941.3	76.6	78.5	46.79	-9,526.3	-1,222.1	1,207.4	1,049.8	157.55	7.663

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	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)	Separation (usft)	Factor
19,665.0	9,763.5	18,610.3	8,941.4	77.0	79.0	46.79	-9,591.3	-1,222.7	1,207.3	1,048.8	158.52	7.616
19,700.0	9,763.6	18,645.3	8,941.5	77.3	79.2	46.79	-9,626.3	-1,223.0	1,207.3	1,048.3	159.04	7.591
19,760.0	9,763.6	18,705.3	8,941.6	77.8	79.6	46.79	-9,686.3	-1,223.5	1,207.2	1,047.3	159.93	7.549
19,800.0	9,763.7	18,745.3	8,941.7	78.1	79.9	46.79	-9,726.3	-1,223.9	1,207.2	1,046.7	160.52	7.520
19,855.0	9,763.7	18,800.3	8,941.8	78.5	80.3	46.80	-9,781.3	-1,224.4	1,207.2	1,045.8	161.34	7.482
19,900.0	9,763.7	18,845.3	8,941.8	78.8	80.6	46.80	-9,826.3	-1,224.8	1,207.1	1,045.1	162.01	7.451
19,950.0	9,763.8	18,895.3	8,941.9	79.2	81.0	46.80	-9,876.3	-1,225.2	1,207.1	1,044.4	162.75	7.417
20,000.0	9,763.8	18,945.3	8,942.0	79.6	81.4	46.80	-9,926.3	-1,225.7	1,207.1	1,043.6	163.50	7.383
20,045.0	9,763.8	18,990.3	8,942.1	79.9	81.7	46.80	-9,971.3	-1,226.1	1,207.0	1,042.9	164.17	7.352
20,100.0	9,763.9	19,045.3	8,942.2	80.3	82.1	46.80	-10,026.3	-1,226.6	1,207.0	1,042.0	164.99	7.316
20,140.0	9,763.9	19,085.3	8,942.3	80.6	82.4	46.81	-10,066.3	-1,226.9	1,207.0	1,041.4	165.58	7.289
20,200.0	9,764.0	19,145.3	8,942.4	81.1	82.8	46.81	-10,126.3	-1,227.5	1,206.9	1,040.4	166.48	7.250
20,235.0	9,764.0	19,180.3	8,942.5	81.3	83.0	46.81	-10,161.3	-1,227.8	1,206.9	1,039.9	167.00	7.227
20,300.0	9,764.1	19,245.3	8,942.6	81.8	83.5	46.81	-10,226.3	-1,228.3	1,206.8	1,038.9	167.97	7.185
20,330.0	9,764.1	19,275.3	8,942.7	82.0	83.7	46.81	-10,256.3	-1,228.6	1,206.8	1,038.4	168.42	7.166
20,400.0	9,764.1	19,345.3	8,942.8	82.6	84.2	46.82	-10,326.3	-1,229.2	1,206.8	1,037.3	169.46	7.121
20,425.0	9,764.1	19,370.3	8,942.8	82.7	84.4	46.82	-10,351.3	-1,229.5	1,206.8	1,036.9	169.83	7.105
20,500.0	9,764.2	19,445.3	8,943.0	83.3	85.0	46.82	-10,426.3	-1,230.1	1,206.7	1,035.7	170.95	7.059
20,520.0	9,764.2	19,465.3	8,943.0	83.5	85.1	46.82	-10,446.3	-1,230.3	1,206.7	1,035.4	171.25	7.046
20,600.0	9,764.3	19,545.3	8,943.2	84.1	85.7	46.82	-10,526.3	-1,231.0	1,206.6	1,034.2	172.45	6.997
20,615.0	9,764.3	19,560.3	8,943.2	84.2	85.8	46.82	-10,541.3	-1,231.1	1,206.6	1,033.9	172.67	6.988
20,700.0	9,764.4	19,645.3	8,943.4	84.8	86.4	46.83	-10,626.2	-1,231.9	1,206.6	1,032.6	173.94	6.936
20,710.0	9,764.4	19,655.3	8,943.4	84.9	86.5	46.83	-10,636.2	-1,232.0	1,206.5	1,032.5	174.09	6.930
20,800.0	9,764.4	19,745.3	8,943.5	85.6	87.1	46.83	-10,726.2	-1,232.8	1,206.5	1,031.0	175.44	6.877
20,805.0	9,764.5	19,750.3	8,943.6	85.6	87.2	46.83	-10,731.2	-1,232.8	1,206.5	1,031.0	175.51	6.874
20,900.0	9,764.5	19,845.3	8,943.7	86.3	87.8	46.84	-10,826.2	-1,233.7	1,206.4	1,029.5	176.94	6.818
20,995.0	9,764.6	19,940.3	8,943.9	87.0	88.5	46.84	-10,921.2	-1,234.5	1,206.3	1,028.0	178.36	6.764
21,000.0	9,764.6	19,945.3	8,943.9	87.1	88.6	46.84	-10,926.2	-1,234.6	1,206.3	1,027.9	178.43	6.761
21,090.0	9,764.7	20,035.3	8,944.1	87.7	89.2	46.84	-11,016.2	-1,235.4	1,206.3	1,026.5	179.78	6.710
21,100.0	9,764.7	20,045.3	8,944.1	87.8	89.3	46.84	-11,026.2	-1,235.5	1,206.3	1,026.3	179.93	6.704
21,185.0	9,764.8	20,130.3	8,944.3	88.5	89.9	46.85	-11,111.2	-1,236.2	1,206.2	1,025.0	181.21	6.657
21,200.0	9,764.8	20,145.3	8,944.3	88.6	90.0	46.85	-11,126.2	-1,236.3	1,206.2	1,024.8	181.43	6.648
21,280.0	9,764.8	20,225.3	8,944.4	89.2	90.6	46.85	-11,206.2	-1,237.1	1,206.1	1,023.5	182.63	6.604
21,300.0	9,764.8	20,245.3	8,944.5	89.3	90.7	46.85	-11,226.2	-1,237.2	1,206.1	1,023.2	182.93	6.593
21,375.0	9,764.9	20,320.3	8,944.6	89.9	91.3	46.85	-11,301.2	-1,237.9	1,206.1	1,022.0	184.06	6.553
21,400.0	9,764.9	20,345.3	8,944.7	90.1	91.5	46.85	-11,326.2	-1,238.1	1,206.0	1,021.6	184.43	6.539
21,470.0	9,765.0	20,415.3	8,944.8	90.6	92.0	46.86	-11,396.2	-1,238.7	1,206.0	1,020.5	185.48	6.502
21,500.0	9,765.0	20,445.3	8,944.9	90.8	92.2	46.86	-11,426.2	-1,239.0	1,206.0	1,020.0	185.93	6.486
21,565.0	9,765.1	20,510.3	8,945.0	91.3	92.7	46.86	-11,491.2	-1,239.6	1,205.9	1,019.0	186.91	6.452
21,600.0	9,765.1	20,545.3	8,945.1	91.6	92.9	46.86	-11,526.2	-1,239.9	1,205.9	1,018.5	187.43	6.434
21,660.0	9,765.1	20,605.3	8,945.2	92.0	93.4	46.86	-11,586.2	-1,240.4	1,205.8	1,017.5	188.34	6.403
21,700.0	9,765.2	20,645.3	8,945.2	92.3	93.7	46.87	-11,626.2	-1,240.8	1,205.8	1,016.9	188.94	6.382
21,755.0	9,765.2	20,700.3	8,945.3	92.8	94.1	46.87	-11,681.2	-1,241.3	1,205.8	1,016.0	189.76	6.354
21,800.0	9,765.2	20,745.3	8,945.4	93.1	94.4	46.87	-11,726.2	-1,241.7	1,205.7	1,015.3	190.44	6.331
21,850.0	9,765.3	20,795.3	8,945.5	93.5	94.8	46.87	-11,776.2	-1,242.1	1,205.7	1,014.5	191.19	6.306
21,900.0	9,765.3	20,845.3	8,945.6	93.8	95.1	46.87	-11,826.2	-1,242.6	1,205.7	1,013.7	191.94	6.281
21,945.0	9,765.4	20,890.3	8,945.7	94.2	95.4	46.88	-11,871.2	-1,243.0	1,205.6	1,013.0	192.62	6.259
22,000.0	9,765.4	20,945.3	8,945.8	94.6	95.8	46.88	-11,926.2	-1,243.5	1,205.6	1,012.2	193.45	6.232
22,040.0	9,765.4	20,985.3	8,945.9	94.9	96.1	46.88	-11,966.2	-1,243.8	1,205.6	1,011.5	194.05	6.213
22,100.0	9,765.5	21,045.3	8,946.0	95.4	96.6	46.88	-12,026.2	-1,244.3	1,205.5	1,010.6	194.95	6.184
22,135.0	9,765.5	21,080.3	8,946.1	95.6	96.8	46.88	-12,061.2	-1,244.7	1,205.5	1,010.0	195.48	6.167

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1											Offset Site Error:	0.0 usft		
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft		
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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,200.0	9,765.6	21,145.3	8,946.2	96.1	97.3	46.89	-12,126.2	-1,245.2	1,205.5	1,009.0	196.46	6.136		
22,230.0	9,765.6	21,175.3	8,946.2	96.3	97.5	46.89	-12,156.2	-1,245.5	1,205.4	1,008.5	196.91	6.122		
22,300.0	9,765.6	21,245.3	8,946.4	96.9	98.0	46.89	-12,226.2	-1,246.1	1,205.4	1,007.4	197.97	6.089		
22,325.0	9,765.7	21,270.3	8,946.4	97.1	98.2	46.89	-12,251.2	-1,246.3	1,205.4	1,007.0	198.34	6.077		
22,400.0	9,765.7	21,345.3	8,946.6	97.6	98.8	46.89	-12,326.2	-1,247.0	1,205.3	1,005.8	199.47	6.042		
22,420.0	9,765.7	21,365.3	8,946.6	97.8	98.9	46.89	-12,346.2	-1,247.2	1,205.3	1,005.5	199.78	6.033		
22,500.0	9,765.8	21,445.3	8,946.7	98.4	99.5	46.90	-12,426.2	-1,247.9	1,205.2	1,004.3	200.98	5.997		
22,515.0	9,765.8	21,460.3	8,946.8	98.5	99.6	46.90	-12,441.2	-1,248.0	1,205.2	1,004.0	201.21	5.990		
22,600.0	9,765.9	21,545.3	8,946.9	99.1	100.2	46.90	-12,526.2	-1,248.8	1,205.2	1,002.7	202.49	5.952		
22,610.0	9,765.9	21,555.3	8,947.0	99.2	100.3	46.90	-12,536.2	-1,248.9	1,205.2	1,002.5	202.64	5.947		
22,700.0	9,766.0	21,645.3	8,947.1	99.9	101.0	46.90	-12,626.2	-1,249.7	1,205.1	1,001.1	204.00	5.907		
22,705.0	9,766.0	21,650.3	8,947.1	99.9	101.0	46.91	-12,631.2	-1,249.7	1,205.1	1,001.0	204.07	5.905		
22,800.0	9,766.0	21,745.3	8,947.3	100.6	101.7	46.91	-12,726.2	-1,250.6	1,205.0	999.5	205.51	5.864		
22,895.0	9,766.1	21,840.3	8,947.5	101.4	102.4	46.91	-12,821.2	-1,251.4	1,204.9	998.0	206.94	5.823		
22,900.0	9,766.1	21,845.3	8,947.5	101.4	102.4	46.91	-12,826.2	-1,251.5	1,204.9	997.9	207.02	5.820		
22,990.0	9,766.2	21,935.3	8,947.7	102.1	103.1	46.92	-12,916.2	-1,252.3	1,204.9	996.5	208.38	5.782		
23,000.0	9,766.2	21,945.3	8,947.7	102.2	103.2	46.92	-12,926.2	-1,252.3	1,204.9	996.3	208.53	5.778		
23,085.0	9,766.3	22,030.3	8,947.9	102.8	103.8	46.92	-13,011.1	-1,253.1	1,204.8	995.0	209.81	5.742		
23,100.0	9,766.3	22,045.3	8,947.9	102.9	103.9	46.92	-13,026.1	-1,253.2	1,204.8	994.8	210.04	5.736		
23,180.0	9,766.3	22,125.3	8,948.0	103.5	104.5	46.92	-13,106.1	-1,253.9	1,204.7	993.5	211.25	5.703		
23,200.0	9,766.3	22,145.3	8,948.1	103.7	104.7	46.92	-13,126.1	-1,254.1	1,204.7	993.2	211.55	5.695		
23,275.0	9,766.4	22,220.3	8,948.2	104.2	105.2	46.93	-13,201.1	-1,254.8	1,204.7	992.0	212.68	5.664		
23,300.0	9,766.4	22,245.3	8,948.3	104.4	105.4	46.93	-13,226.1	-1,255.0	1,204.6	991.6	213.06	5.654		
23,370.0	9,766.5	22,315.3	8,948.4	104.9	105.9	46.93	-13,296.1	-1,255.6	1,204.6	990.5	214.12	5.626		
23,400.0	9,766.5	22,345.3	8,948.4	105.2	106.1	46.93	-13,326.1	-1,255.9	1,204.6	990.0	214.57	5.614		
23,465.0	9,766.6	22,410.3	8,948.6	105.7	106.6	46.93	-13,391.1	-1,256.5	1,204.5	989.0	215.56	5.588		
23,500.0	9,766.6	22,445.3	8,948.6	105.9	106.9	46.94	-13,426.1	-1,256.8	1,204.5	988.4	216.09	5.574		
23,560.0	9,766.6	22,505.3	8,948.7	106.4	107.3	46.94	-13,486.1	-1,257.3	1,204.5	987.5	217.00	5.551		
23,600.0	9,766.7	22,545.3	8,948.8	106.7	107.6	46.94	-13,526.1	-1,257.7	1,204.4	986.8	217.60	5.535		
23,655.0	9,766.7	22,600.3	8,948.9	107.1	108.0	46.94	-13,581.1	-1,258.2	1,204.4	986.0	218.43	5.514		
23,700.0	9,766.7	22,645.3	8,949.0	107.4	108.3	46.94	-13,626.1	-1,258.6	1,204.4	985.2	219.11	5.496		
23,750.0	9,766.8	22,695.3	8,949.1	107.8	108.7	46.95	-13,676.1	-1,259.0	1,204.3	984.4	219.87	5.477		
23,800.0	9,766.8	22,745.3	8,949.2	108.2	109.1	46.95	-13,726.1	-1,259.5	1,204.3	983.7	220.63	5.458		
23,845.0	9,766.9	22,790.3	8,949.3	108.5	109.4	46.95	-13,771.1	-1,259.9	1,204.2	982.9	221.31	5.441		
23,900.0	9,766.9	22,845.3	8,949.4	109.0	109.8	46.95	-13,826.1	-1,260.4	1,204.2	982.1	222.14	5.421		
23,940.0	9,766.9	22,885.3	8,949.5	109.3	110.1	46.95	-13,866.1	-1,260.7	1,204.2	981.4	222.75	5.406		
24,000.0	9,767.0	22,945.3	8,949.6	109.7	110.6	46.96	-13,926.1	-1,261.2	1,204.1	980.5	223.66	5.384		
24,035.0	9,767.0	22,980.3	8,949.6	110.0	110.8	46.96	-13,961.1	-1,261.6	1,204.1	979.9	224.19	5.371		
24,100.0	9,767.1	23,045.3	8,949.8	110.5	111.3	46.96	-14,026.1	-1,262.1	1,204.1	978.9	225.17	5.347		
24,130.0	9,767.1	23,075.3	8,949.8	110.7	111.5	46.96	-14,056.1	-1,262.4	1,204.0	978.4	225.63	5.336		
24,200.0	9,767.1	23,145.3	8,950.0	111.2	112.0	46.96	-14,126.1	-1,263.0	1,204.0	977.3	226.69	5.311		
24,225.0	9,767.2	23,170.3	8,950.0	111.4	112.2	46.96	-14,151.1	-1,263.2	1,204.0	976.9	227.07	5.302		
24,300.0	9,767.2	23,245.3	8,950.1	112.0	112.8	46.97	-14,226.1	-1,263.9	1,203.9	975.7	228.21	5.276		
24,320.0	9,767.2	23,265.3	8,950.2	112.1	112.9	46.97	-14,246.1	-1,264.1	1,203.9	975.4	228.51	5.268		
24,400.0	9,767.3	23,345.3	8,950.3	112.7	113.5	46.97	-14,326.1	-1,264.8	1,203.8	974.1	229.72	5.240		
24,415.0	9,767.3	23,360.3	8,950.4	112.9	113.6	46.97	-14,341.1	-1,264.9	1,203.8	973.9	229.95	5.235		
24,500.0	9,767.4	23,445.3	8,950.5	113.5	114.3	46.97	-14,426.1	-1,265.7	1,203.8	972.5	231.24	5.206		
24,510.0	9,767.4	23,455.3	8,950.5	113.6	114.3	46.97	-14,436.1	-1,265.8	1,203.8	972.4	231.39	5.202		
24,600.0	9,767.5	23,545.3	8,950.7	114.3	115.0	46.98	-14,526.1	-1,266.6	1,203.7	970.9	232.76	5.171		
24,605.0	9,767.5	23,550.3	8,950.7	114.3	115.0	46.98	-14,531.1	-1,266.6	1,203.7	970.9	232.83	5.170		
24,700.0	9,767.5	23,645.3	8,950.9	115.0	115.7	46.98	-14,626.1	-1,267.5	1,203.6	969.3	234.27	5.138		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #710H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 8487-r.5 MWD+IFR1+MS												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)	Factor	
24,795.0	9,767.6	23,740.3	8,951.1	115.7	116.4	46.99	-14,721.1	-1,268.3	1,203.5	967.8	235.72	5.106	
24,800.0	9,767.6	23,745.3	8,951.1	115.8	116.5	46.99	-14,726.1	-1,268.4	1,203.5	967.8	235.79	5.104	
24,890.0	9,767.7	23,835.3	8,951.3	116.5	117.1	46.99	-14,816.1	-1,269.2	1,203.5	966.3	237.16	5.075	
24,900.0	9,767.7	23,845.3	8,951.3	116.5	117.2	46.99	-14,826.1	-1,269.2	1,203.5	966.2	237.31	5.071	
24,985.0	9,767.8	23,930.3	8,951.4	117.2	117.9	46.99	-14,911.1	-1,270.0	1,203.4	964.8	238.60	5.044	
25,000.0	9,767.8	23,945.3	8,951.5	117.3	118.0	46.99	-14,926.1	-1,270.1	1,203.4	964.6	238.83	5.039	
25,080.0	9,767.8	24,025.3	8,951.6	117.9	118.6	47.00	-15,006.1	-1,270.8	1,203.3	963.3	240.04	5.013	
25,100.0	9,767.9	24,045.3	8,951.7	118.0	118.7	47.00	-15,026.1	-1,271.0	1,203.3	963.0	240.35	5.007	
25,154.5	9,767.9	24,099.7	8,951.8	118.5	119.1	47.00	-15,080.5	-1,271.5	1,203.3	962.1	241.17	4.989	
25,175.0	9,767.9	24,120.3	8,951.8	118.6	119.3	47.00	-15,101.1	-1,271.7	1,203.3	961.8	241.49	4.983	
25,200.0	9,767.9	24,145.3	8,951.8	118.8	119.4	47.00	-15,126.1	-1,271.9	1,203.3	961.4	241.87	4.975	
25,270.0	9,768.0	24,215.3	8,952.0	119.3	120.0	47.00	-15,196.1	-1,272.5	1,203.2	960.3	242.93	4.953	
25,284.5	9,768.0	24,229.3	8,952.0	119.4	120.1	47.00	-15,210.1	-1,272.7	1,203.2	960.0	243.15	4.948 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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	89.04	0.5	29.9	29.9				
95.0	95.0	95.1	95.1	3.0	3.0	89.04	0.5	29.9	29.9	23.9	6.04	4.954	
100.0	100.0	100.1	100.1	3.0	3.0	89.04	0.5	29.9	29.9	23.9	6.04	4.950	
190.0	190.0	190.1	190.1	3.1	3.1	89.04	0.5	29.9	29.9	23.7	6.25	4.783	
200.0	200.0	200.1	200.1	3.1	3.1	89.04	0.5	29.9	29.9	23.6	6.29	4.757	
285.0	285.0	285.1	285.1	3.3	3.3	89.04	0.5	29.9	29.9	23.4	6.48	4.613	
300.0	300.0	300.1	300.1	3.3	3.3	89.04	0.5	29.9	29.9	23.4	6.52	4.585	
380.0	380.0	380.1	380.1	3.4	3.4	89.04	0.5	29.9	29.9	23.2	6.70	4.462	
400.0	400.0	400.1	400.1	3.4	3.4	89.04	0.5	29.9	29.9	23.2	6.75	4.430	
475.0	475.0	475.1	475.1	3.5	3.5	89.04	0.5	29.9	29.9	23.0	6.91	4.325	
500.0	500.0	500.1	500.1	3.5	3.5	89.04	0.5	29.9	29.9	22.9	6.97	4.290	
570.0	570.0	570.1	570.1	3.6	3.6	89.04	0.5	29.9	29.9	22.8	7.12	4.201	
600.0	600.0	600.1	600.1	3.6	3.6	89.04	0.5	29.9	29.9	22.7	7.18	4.162	
665.0	665.0	665.1	665.1	3.7	3.7	89.04	0.5	29.9	29.9	22.6	7.32	4.086	
700.0	700.0	700.1	700.1	3.8	3.8	89.04	0.5	29.9	29.9	22.5	7.39	4.045	
760.0	760.0	760.1	760.1	3.8	3.8	89.04	0.5	29.9	29.9	22.4	7.51	3.981	
800.0	800.0	800.1	800.1	3.9	3.9	89.04	0.5	29.9	29.9	22.3	7.59	3.938	
855.0	855.0	855.1	855.1	4.0	4.0	89.04	0.5	29.9	29.9	22.2	7.70	3.883	
900.0	900.0	900.1	900.1	4.0	4.0	89.04	0.5	29.9	29.9	22.1	7.79	3.838	
950.0	950.0	950.1	950.1	4.1	4.1	89.04	0.5	29.9	29.9	22.0	7.89	3.792	
1,000.0	1,000.0	1,000.1	1,000.1	4.1	4.1	89.04	0.5	29.9	29.9	21.9	7.98	3.746	
1,045.0	1,045.0	1,045.1	1,045.1	4.2	4.2	89.04	0.5	29.9	29.9	21.8	8.07	3.707	
1,100.0	1,100.0	1,100.1	1,100.1	4.2	4.2	89.04	0.5	29.9	29.9	21.7	8.17	3.660	
1,140.0	1,140.0	1,140.1	1,140.1	4.3	4.3	89.04	0.5	29.9	29.9	21.7	8.24	3.628	
1,200.0	1,200.0	1,200.1	1,200.1	4.4	4.4	89.04	0.5	29.9	29.9	21.6	8.35	3.580	
1,235.0	1,235.0	1,235.1	1,235.1	4.4	4.4	89.04	0.5	29.9	29.9	21.5	8.42	3.554	
1,300.0	1,300.0	1,300.1	1,300.1	4.5	4.5	89.04	0.5	29.9	29.9	21.4	8.53	3.505	
1,330.0	1,330.0	1,330.1	1,330.1	4.5	4.5	89.04	0.5	29.9	29.9	21.3	8.58	3.484	
1,400.0	1,400.0	1,400.1	1,400.1	4.6	4.6	89.04	0.5	29.9	29.9	21.2	8.71	3.434	
1,425.0	1,425.0	1,425.1	1,425.1	4.6	4.6	89.04	0.5	29.9	29.9	21.2	8.75	3.418	
1,437.5	1,437.5	1,437.6	1,437.6	4.6	4.6	89.04	0.5	29.9	29.9	21.1	8.77	3.409 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	89.04	0.5	29.9	29.9	21.0	8.88	3.368 ES	
1,520.0	1,520.0	1,519.9	1,519.9	4.8	4.7	115.91	0.5	30.0	30.0	21.1	8.93	3.359 SF	
1,600.0	1,600.0	1,599.3	1,599.2	4.9	4.9	116.65	1.6	31.2	32.0	22.9	9.13	3.506	
1,615.0	1,615.0	1,614.1	1,614.1	4.9	4.9	116.88	2.0	31.6	32.7	23.5	9.19	3.557	
1,700.0	1,699.8	1,698.1	1,698.0	5.2	5.1	118.47	5.0	35.1	38.3	28.8	9.53	4.018	
1,710.0	1,709.8	1,708.0	1,707.8	5.2	5.1	118.67	5.4	35.6	39.2	29.6	9.57	4.091	
1,800.0	1,799.5	1,796.5	1,796.0	5.4	5.4	120.41	10.5	41.5	48.8	38.9	9.94	4.911	
1,805.0	1,804.4	1,801.4	1,800.8	5.5	5.4	120.50	10.9	41.9	49.5	39.5	9.97	4.965	
1,900.0	1,898.7	1,894.1	1,892.8	5.7	5.6	122.00	18.2	50.4	63.6	53.2	10.36	6.137	
1,995.0	1,992.5	1,985.8	1,983.4	6.0	5.9	123.09	27.4	61.0	81.5	70.7	10.77	7.564	
2,000.0	1,997.5	1,990.6	1,988.2	6.0	5.9	123.14	27.9	61.6	82.5	71.7	10.79	7.646	
2,090.0	2,085.8	2,076.3	2,072.5	6.4	6.2	123.83	38.3	73.6	103.1	91.9	11.19	9.210	
2,100.0	2,095.6	2,085.8	2,081.7	6.4	6.3	123.89	39.5	75.1	105.5	94.3	11.23	9.395	
2,125.2	2,120.2	2,109.5	2,105.0	6.4	6.3	124.03	42.7	78.8	112.0	100.7	11.32	9.892	
2,185.0	2,178.6	2,165.7	2,159.7	6.6	6.5	124.34	50.8	88.2	127.9	116.4	11.55	11.073	
2,200.0	2,193.3	2,179.7	2,173.3	6.6	6.6	124.35	53.0	90.6	132.0	120.4	11.61	11.372	
2,280.0	2,271.4	2,255.9	2,247.3	6.9	6.8	124.19	65.0	104.5	154.4	142.4	11.96	12.911	
2,300.0	2,290.9	2,275.1	2,265.9	6.9	6.9	124.15	68.0	108.0	160.0	148.0	12.05	13.282	
2,375.0	2,364.1	2,347.1	2,335.8	7.2	7.1	124.03	79.4	121.2	181.0	168.6	12.39	14.612	
2,400.0	2,388.5	2,371.1	2,359.0	7.3	7.2	123.99	83.2	125.6	188.0	175.5	12.50	15.037	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 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)			
2,470.0	2,456.9	2,438.3	2,424.2	7.5	7.4	123.90	93.8	137.9	207.6	194.8	12.84	16.177	
2,500.0	2,486.2	2,467.1	2,452.2	7.6	7.5	123.87	98.4	143.2	216.0	203.1	12.98	16.645	
2,565.0	2,549.6	2,529.5	2,512.7	7.8	7.8	123.81	108.3	154.6	234.3	221.0	13.30	17.616	
2,600.0	2,583.8	2,563.1	2,545.3	7.9	7.9	123.78	113.6	160.8	244.1	230.6	13.47	18.117	
2,660.0	2,642.4	2,620.7	2,601.2	8.2	8.1	123.74	122.7	171.3	260.9	247.1	13.77	18.940	
2,700.0	2,681.4	2,659.1	2,638.5	8.3	8.2	123.71	128.8	178.4	272.1	258.1	13.98	19.465	
2,755.0	2,735.1	2,711.8	2,689.7	8.5	8.4	123.67	137.1	188.0	287.5	273.2	14.26	20.157	
2,800.0	2,779.0	2,755.0	2,731.6	8.7	8.6	123.65	143.9	195.9	300.1	285.6	14.50	20.700	
2,850.0	2,827.9	2,803.0	2,778.2	8.9	8.8	123.62	151.5	204.7	314.1	299.4	14.76	21.278	
2,900.0	2,876.7	2,851.0	2,824.7	9.1	9.0	123.60	159.1	213.5	328.1	313.1	15.03	21.832	
2,945.0	2,920.6	2,894.2	2,866.7	9.3	9.1	123.58	166.0	221.4	340.7	325.5	15.27	22.310	
3,000.0	2,974.3	2,947.0	2,917.9	9.5	9.4	123.56	174.3	231.1	356.1	340.6	15.57	22.871	
3,040.0	3,013.4	2,985.4	2,955.1	9.6	9.5	123.55	180.4	238.1	367.4	351.6	15.79	23.263	
3,100.0	3,071.9	3,043.0	3,011.0	9.9	9.7	123.53	189.5	248.7	384.2	368.0	16.12	23.826	
3,135.0	3,106.1	3,076.6	3,043.6	10.0	9.9	123.51	194.8	254.8	394.0	377.7	16.32	24.142	
3,200.0	3,169.6	3,139.0	3,104.2	10.3	10.1	123.49	204.7	266.2	412.2	395.5	16.68	24.705	
3,230.0	3,198.8	3,167.8	3,132.1	10.4	10.3	123.49	209.2	271.5	420.6	403.7	16.85	24.955	
3,300.0	3,267.2	3,235.0	3,197.3	10.7	10.5	123.47	219.9	283.8	440.2	423.0	17.25	25.516	
3,325.0	3,291.6	3,259.0	3,220.6	10.8	10.6	123.46	223.7	288.2	447.2	429.8	17.40	25.708	
3,400.0	3,364.8	3,331.0	3,290.4	11.1	11.0	123.45	235.1	301.4	468.2	450.4	17.83	26.265	
3,420.0	3,384.3	3,350.2	3,309.1	11.2	11.0	123.44	238.1	304.9	473.8	455.9	17.94	26.407	
3,500.0	3,462.4	3,427.0	3,383.6	11.6	11.4	123.42	250.2	319.0	496.3	477.8	18.41	26.957	
3,515.0	3,477.1	3,441.4	3,397.6	11.6	11.4	123.42	252.5	321.6	500.5	482.0	18.50	27.056	
3,600.0	3,560.1	3,523.0	3,476.7	12.0	11.8	123.41	265.4	336.6	524.3	505.3	19.00	27.599	
3,610.0	3,569.8	3,532.6	3,486.0	12.0	11.8	123.40	266.9	338.3	527.1	508.0	19.06	27.661	
3,700.0	3,657.7	3,619.0	3,569.9	12.4	12.2	123.39	280.6	354.1	552.3	532.7	19.59	28.195	
3,705.0	3,662.6	3,623.8	3,574.5	12.4	12.2	123.39	281.4	355.0	553.7	534.1	19.62	28.223	
3,800.0	3,755.3	3,715.0	3,663.0	12.9	12.6	123.37	295.8	371.7	580.3	560.1	20.19	28.749	
3,895.0	3,848.1	3,806.2	3,751.5	13.3	13.0	123.36	310.2	388.4	606.9	586.2	20.76	29.240	
3,900.0	3,853.0	3,811.0	3,756.1	13.3	13.1	123.36	311.0	389.3	608.3	587.6	20.79	29.265	
3,990.0	3,940.8	3,897.4	3,840.0	13.7	13.4	123.35	324.7	405.1	633.6	612.2	21.33	29.699	
4,000.0	3,950.6	3,907.0	3,849.3	13.7	13.5	123.35	326.2	406.9	636.4	615.0	21.39	29.746	
4,085.0	4,033.6	3,988.6	3,928.5	14.1	13.9	123.34	339.1	421.8	660.2	638.3	21.90	30.142	
4,088.3	4,036.8	3,991.7	3,931.5	14.1	13.9	123.34	339.6	422.4	661.1	639.2	21.92	30.157	
4,100.0	4,048.2	4,003.0	3,942.4	14.2	13.9	123.39	341.4	424.4	664.4	642.4	21.99	30.217	
4,180.0	4,126.6	4,080.0	4,017.1	14.5	14.3	123.65	353.5	438.5	686.0	663.6	22.48	30.516	
4,200.0	4,146.3	4,099.3	4,035.9	14.6	14.4	123.69	356.6	442.1	691.3	668.7	22.60	30.580	
4,275.0	4,220.2	4,171.8	4,106.2	15.0	14.7	123.74	368.1	455.3	710.2	687.1	23.06	30.800	
4,300.0	4,245.0	4,196.0	4,129.7	15.1	14.8	123.73	371.9	459.8	716.3	693.1	23.21	30.861	
4,370.0	4,314.4	4,263.8	4,195.5	15.4	15.1	123.61	382.6	472.2	732.7	709.1	23.62	31.015	
4,400.0	4,344.2	4,292.9	4,223.8	15.5	15.3	123.53	387.2	477.5	739.5	715.7	23.80	31.068	
4,465.0	4,408.9	4,356.1	4,285.1	15.8	15.5	123.28	397.2	489.1	753.6	729.4	24.18	31.172	
4,500.0	4,443.7	4,390.1	4,318.1	15.9	15.7	123.11	402.6	495.3	760.9	736.5	24.38	31.215	
4,560.0	4,503.6	4,448.4	4,374.6	16.2	16.0	122.76	411.8	506.0	773.0	748.3	24.71	31.283	
4,600.0	4,543.6	4,487.3	4,412.4	16.3	16.1	122.49	418.0	513.1	780.7	755.7	24.93	31.314	
4,655.0	4,598.5	4,540.7	4,464.2	16.5	16.4	122.07	426.4	522.9	790.8	765.6	25.21	31.364	
4,700.0	4,643.5	4,584.4	4,506.6	16.6	16.6	121.69	433.3	530.9	798.8	773.4	25.45	31.389	
4,713.5	4,657.0	4,597.5	4,519.3	16.6	16.7	94.73	435.4	533.3	801.1	775.6	25.50	31.415	
4,750.0	4,693.5	4,632.9	4,553.7	16.6	16.8	94.29	441.0	539.8	807.4	781.8	25.66	31.472	
4,800.0	4,743.5	4,681.4	4,600.8	16.6	17.1	93.70	448.7	548.7	816.2	790.3	25.87	31.549	
4,845.0	4,788.5	4,725.1	4,643.1	16.7	17.3	93.17	455.6	556.7	824.1	798.0	26.06	31.618	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
4,900.0	4,843.5	4,784.7	4,701.0	16.7	17.5	92.48	464.9	567.5	833.7	807.4	26.34	31.658	
4,940.0	4,883.5	4,834.4	4,749.5	16.7	17.8	91.95	472.2	575.9	840.4	813.8	26.58	31.613	
5,000.0	4,943.5	4,909.8	4,823.2	16.8	18.1	91.25	482.2	587.4	849.4	822.5	26.96	31.508	
5,035.0	4,978.5	4,954.0	4,866.8	16.8	18.3	90.88	487.4	593.5	854.2	827.0	27.17	31.439	
5,100.0	5,043.5	5,036.9	4,948.6	16.8	18.7	90.29	496.1	603.6	862.0	834.5	27.55	31.289	
5,130.0	5,073.5	5,075.4	4,986.7	16.8	18.9	90.06	499.6	607.6	865.2	837.5	27.72	31.212	
5,200.0	5,143.5	5,165.8	5,076.5	16.9	19.3	89.60	506.5	615.6	871.4	843.3	28.09	31.021	
5,225.0	5,168.5	5,198.2	5,108.7	16.9	19.4	89.47	508.5	617.9	873.2	845.0	28.22	30.945	
5,300.0	5,243.5	5,295.9	5,206.1	16.9	19.8	89.17	513.2	623.3	877.4	848.9	28.56	30.719	
5,320.0	5,263.5	5,322.0	5,232.2	16.9	19.9	89.12	514.1	624.3	878.2	849.6	28.64	30.661	
5,400.0	5,343.5	5,426.6	5,336.7	17.0	20.2	88.99	516.0	626.6	880.0	851.0	28.90	30.447	
5,415.0	5,358.5	5,446.2	5,356.4	17.0	20.2	88.98	516.1	626.7	880.0	851.1	28.93	30.424	
5,500.0	5,443.5	5,533.5	5,443.6	17.0	20.2	88.98	516.1	626.7	880.0	851.0	29.02	30.321	
5,510.0	5,453.5	5,543.5	5,453.6	17.0	20.2	88.98	516.1	626.7	880.0	851.0	29.04	30.308	
5,600.0	5,543.5	5,633.5	5,543.6	17.1	20.3	88.98	516.1	626.7	880.0	850.9	29.15	30.188	
5,605.0	5,548.5	5,638.5	5,548.6	17.1	20.3	88.98	516.1	626.7	880.0	850.9	29.16	30.182	
5,700.0	5,643.5	5,733.5	5,643.6	17.2	20.3	88.98	516.1	626.7	880.0	850.8	29.28	30.057	
5,795.0	5,738.5	5,828.5	5,738.6	17.2	20.4	88.98	516.1	626.7	880.0	850.6	29.40	29.932	
5,800.0	5,743.5	5,833.5	5,743.6	17.2	20.4	88.98	516.1	626.7	880.0	850.6	29.41	29.926	
5,890.0	5,833.5	5,923.5	5,833.6	17.3	20.4	88.98	516.1	626.7	880.0	850.5	29.52	29.809	
5,900.0	5,843.5	5,933.5	5,843.6	17.3	20.4	88.98	516.1	626.7	880.0	850.5	29.54	29.796	
5,985.0	5,928.5	6,018.5	5,928.6	17.3	20.4	88.98	516.1	626.7	880.0	850.4	29.65	29.686	
6,000.0	5,943.5	6,033.5	5,943.6	17.3	20.4	88.98	516.1	626.7	880.0	850.4	29.66	29.666	
6,080.0	6,023.5	6,113.5	6,023.6	17.4	20.5	88.98	516.1	626.7	880.0	850.3	29.77	29.564	
6,100.0	6,043.5	6,133.5	6,043.6	17.4	20.5	88.98	516.1	626.7	880.0	850.2	29.79	29.538	
6,175.0	6,118.5	6,208.5	6,118.6	17.4	20.5	88.98	516.1	626.7	880.0	850.1	29.89	29.442	
6,200.0	6,143.5	6,233.5	6,143.6	17.4	20.5	88.98	516.1	626.7	880.0	850.1	29.92	29.410	
6,270.0	6,213.5	6,303.5	6,213.6	17.5	20.6	88.98	516.1	626.7	880.0	850.0	30.01	29.322	
6,300.0	6,243.5	6,333.5	6,243.6	17.5	20.6	88.98	516.1	626.7	880.0	850.0	30.05	29.284	
6,365.0	6,308.5	6,398.5	6,308.6	17.5	20.6	88.98	516.1	626.7	880.0	849.9	30.14	29.202	
6,400.0	6,343.5	6,433.5	6,343.6	17.6	20.6	88.98	516.1	626.7	880.0	849.9	30.18	29.158	
6,460.0	6,403.5	6,493.5	6,403.6	17.6	20.7	88.98	516.1	626.7	880.0	849.8	30.26	29.083	
6,500.0	6,443.5	6,533.5	6,443.6	17.6	20.7	88.98	516.1	626.7	880.0	849.7	30.31	29.033	
6,555.0	6,498.5	6,588.5	6,498.6	17.6	20.7	88.98	516.1	626.7	880.0	849.7	30.38	28.964	
6,600.0	6,543.5	6,633.5	6,543.6	17.7	20.7	88.98	516.1	626.7	880.0	849.6	30.44	28.908	
6,650.0	6,593.5	6,683.5	6,593.6	17.7	20.7	88.98	516.1	626.7	880.0	849.5	30.51	28.846	
6,700.0	6,643.5	6,733.5	6,643.6	17.7	20.8	88.98	516.1	626.7	880.0	849.5	30.57	28.785	
6,745.0	6,688.5	6,778.5	6,688.6	17.8	20.8	88.98	516.1	626.7	880.0	849.4	30.63	28.729	
6,800.0	6,743.5	6,833.5	6,743.6	17.8	20.8	88.98	516.1	626.7	880.0	849.3	30.70	28.662	
6,840.0	6,783.5	6,873.5	6,783.6	17.8	20.8	88.98	516.1	626.7	880.0	849.3	30.76	28.613	
6,900.0	6,843.5	6,933.5	6,843.6	17.8	20.9	88.98	516.1	626.7	880.0	849.2	30.84	28.540	
6,935.0	6,878.5	6,968.5	6,878.6	17.9	20.9	88.98	516.1	626.7	880.0	849.2	30.88	28.498	
7,000.0	6,943.5	7,033.5	6,943.6	17.9	20.9	88.98	516.1	626.7	880.0	849.1	30.97	28.419	
7,030.0	6,973.5	7,063.5	6,973.6	17.9	20.9	88.98	516.1	626.7	880.0	849.0	31.01	28.383	
7,100.0	7,043.5	7,133.5	7,043.6	18.0	21.0	88.98	516.1	626.7	880.0	848.9	31.10	28.299	
7,125.0	7,068.5	7,158.5	7,068.6	18.0	21.0	88.98	516.1	626.7	880.0	848.9	31.13	28.269	
7,200.0	7,143.5	7,233.5	7,143.6	18.0	21.0	88.98	516.1	626.7	880.0	848.8	31.23	28.179	
7,220.0	7,163.5	7,253.5	7,163.6	18.0	21.0	88.98	516.1	626.7	880.0	848.8	31.26	28.156	
7,300.0	7,243.5	7,333.5	7,243.6	18.1	21.1	88.98	516.1	626.7	880.0	848.7	31.36	28.061	
7,315.0	7,258.5	7,348.5	7,258.6	18.1	21.1	88.98	516.1	626.7	880.0	848.7	31.38	28.043	
7,400.0	7,343.5	7,433.5	7,343.6	18.1	21.1	88.98	516.1	626.7	880.0	848.5	31.49	27.943	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS													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		
7,410.0	7,353.5	7,443.5	7,353.6	18.2	21.1	88.98	516.1	626.7	880.0	848.5	31.51	27.931		
7,500.0	7,443.5	7,533.5	7,443.6	18.2	21.2	88.98	516.1	626.7	880.0	848.4	31.63	27.826		
7,505.0	7,448.5	7,538.5	7,448.6	18.2	21.2	88.98	516.1	626.7	880.0	848.4	31.63	27.820		
7,600.0	7,543.5	7,633.5	7,543.6	18.3	21.2	88.98	516.1	626.7	880.0	848.3	31.76	27.709		
7,695.0	7,638.5	7,728.5	7,638.6	18.3	21.3	88.98	516.1	626.7	880.0	848.2	31.89	27.599		
7,700.0	7,643.5	7,733.5	7,643.6	18.3	21.3	88.98	516.1	626.7	880.0	848.1	31.89	27.593		
7,790.0	7,733.5	7,823.5	7,733.6	18.4	21.3	88.98	516.1	626.7	880.0	848.0	32.01	27.490		
7,800.0	7,743.5	7,833.5	7,743.6	18.4	21.3	88.98	516.1	626.7	880.0	848.0	32.03	27.479		
7,885.0	7,828.5	7,918.5	7,828.6	18.4	21.3	88.98	516.1	626.7	880.0	847.9	32.14	27.382		
7,900.0	7,843.5	7,933.5	7,843.6	18.4	21.4	88.98	516.1	626.7	880.0	847.9	32.16	27.364		
7,980.0	7,923.5	8,013.5	7,923.6	18.5	21.4	88.98	516.1	626.7	880.0	847.8	32.27	27.274		
8,000.0	7,943.5	8,033.5	7,943.6	18.5	21.4	88.98	516.1	626.7	880.0	847.7	32.29	27.251		
8,075.0	8,018.5	8,108.5	8,018.6	18.6	21.4	88.98	516.1	626.7	880.0	847.6	32.39	27.167		
8,100.0	8,043.5	8,133.5	8,043.6	18.6	21.5	88.98	516.1	626.7	880.0	847.6	32.43	27.138		
8,170.0	8,113.5	8,203.5	8,113.6	18.6	21.5	88.98	516.1	626.7	880.0	847.5	32.52	27.060		
8,200.0	8,143.5	8,233.5	8,143.6	18.6	21.5	88.98	516.1	626.7	880.0	847.5	32.56	27.027		
8,265.0	8,208.5	8,298.5	8,208.6	18.7	21.5	88.98	516.1	626.7	880.0	847.4	32.65	26.954		
8,300.0	8,243.5	8,333.5	8,243.6	18.7	21.6	88.98	516.1	626.7	880.0	847.3	32.70	26.915		
8,360.0	8,303.5	8,393.5	8,303.6	18.7	21.6	88.98	516.1	626.7	880.0	847.3	32.78	26.849		
8,400.0	8,343.5	8,433.5	8,343.6	18.8	21.6	88.98	516.1	626.7	880.0	847.2	32.83	26.805		
8,455.0	8,398.5	8,488.5	8,398.6	18.8	21.6	88.98	516.1	626.7	880.0	847.1	32.91	26.745		
8,500.0	8,443.5	8,533.5	8,443.6	18.8	21.7	88.98	516.1	626.7	880.0	847.1	32.97	26.695		
8,550.0	8,493.5	8,583.5	8,493.6	18.8	21.7	88.98	516.1	626.7	880.0	847.0	33.03	26.641		
8,600.0	8,543.5	8,633.5	8,543.6	18.9	21.7	88.98	516.1	626.7	880.0	846.9	33.10	26.586		
8,645.0	8,588.5	8,678.5	8,588.6	18.9	21.7	88.98	516.1	626.7	880.0	846.9	33.16	26.537		
8,700.0	8,643.5	8,733.5	8,643.6	18.9	21.8	88.98	516.1	626.7	880.0	846.8	33.24	26.478		
8,740.0	8,683.5	8,773.5	8,683.6	19.0	21.8	88.98	516.1	626.7	880.0	846.7	33.29	26.435		
8,800.0	8,743.5	8,833.5	8,743.6	19.0	21.8	88.98	516.1	626.7	880.0	846.7	33.37	26.370		
8,835.0	8,778.5	8,868.5	8,778.6	19.0	21.8	88.98	516.1	626.7	880.0	846.6	33.42	26.333		
8,900.0	8,843.5	8,933.5	8,843.6	19.1	21.9	88.98	516.1	626.7	880.0	846.5	33.51	26.263		
8,930.0	8,873.5	8,963.5	8,873.6	19.1	21.9	88.98	516.1	626.7	880.0	846.5	33.55	26.232		
9,000.0	8,943.5	9,033.5	8,943.6	19.1	21.9	88.98	516.1	626.7	880.0	846.4	33.64	26.157		
9,025.0	8,968.5	9,058.5	8,968.6	19.1	21.9	88.98	516.1	626.7	880.0	846.4	33.68	26.131		
9,100.0	9,043.5	9,133.5	9,043.6	19.2	22.0	88.98	516.1	626.7	880.0	846.3	33.78	26.052		
9,120.0	9,063.5	9,153.5	9,063.6	19.2	22.0	88.98	516.1	626.7	880.0	846.2	33.81	26.031		
9,200.0	9,143.5	9,233.5	9,143.6	19.3	22.0	88.98	516.1	626.7	880.0	846.1	33.92	25.948		
9,215.0	9,158.5	9,248.5	9,158.6	19.3	22.0	88.98	516.1	626.7	880.0	846.1	33.93	25.939		
9,239.5	9,183.0	9,273.0	9,183.1	19.3	22.0	88.98	516.1	626.7	880.0	846.1	33.95	25.923		
9,250.0	9,193.5	9,283.5	9,193.6	19.3	22.0	-91.53	516.1	626.7	880.0	846.1	33.95	25.918		
9,300.0	9,243.4	9,335.3	9,245.4	19.3	22.1	-91.63	514.5	626.7	880.1	846.1	33.97	25.907		
9,310.0	9,253.4	9,345.8	9,255.8	19.3	22.1	-91.65	513.6	626.7	880.1	846.1	33.97	25.907		
9,350.0	9,292.9	9,387.6	9,297.3	19.4	22.1	-91.72	508.1	626.6	880.1	846.1	33.97	25.906		
9,400.0	9,341.4	9,440.1	9,348.6	19.4	22.1	-91.80	497.0	626.5	880.2	846.2	33.97	25.912		
9,405.0	9,346.2	9,445.4	9,353.7	19.4	22.1	-91.80	495.7	626.5	880.2	846.2	33.97	25.913		
9,450.0	9,388.8	9,492.7	9,398.7	19.5	22.2	-91.86	481.3	626.4	880.2	846.2	33.95	25.923		
9,500.0	9,434.7	9,545.3	9,447.3	19.5	22.2	-91.91	461.0	626.2	880.2	846.3	33.93	25.940		
9,550.0	9,478.6	9,598.0	9,493.8	19.6	22.2	-91.94	436.2	626.0	880.2	846.3	33.91	25.960		
9,595.0	9,516.2	9,645.5	9,533.6	19.7	22.3	-91.96	410.4	625.8	880.2	846.4	33.88	25.978		
9,600.0	9,520.2	9,650.8	9,537.9	19.7	22.3	-91.96	407.3	625.7	880.2	846.4	33.88	25.981		
9,650.0	9,559.3	9,703.6	9,579.2	19.7	22.3	-91.96	374.5	625.4	880.2	846.4	33.85	26.001		
9,690.0	9,588.5	9,745.8	9,609.9	19.8	22.4	-91.95	345.5	625.2	880.2	846.4	33.84	26.014		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	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)	(usft)	(usft)	(usft)	(usft)		
9,700.0	9,595.5	9,756.3	9,617.3	19.8	22.4	-91.94	338.0	625.1	880.2	846.4	33.83	26.017		
9,750.0	9,628.6	9,809.0	9,651.8	19.8	22.4	-91.91	298.1	624.8	880.2	846.4	33.82	26.029		
9,785.0	9,649.8	9,845.9	9,673.7	19.9	22.4	-91.88	268.5	624.5	880.2	846.4	33.81	26.032		
9,800.0	9,658.3	9,861.7	9,682.5	19.9	22.4	-91.87	255.4	624.4	880.2	846.4	33.81	26.033		
9,850.0	9,684.4	9,914.3	9,709.1	20.0	22.5	-91.81	210.0	624.0	880.2	846.4	33.82	26.027		
9,880.0	9,698.2	9,945.8	9,723.0	20.0	22.5	-91.76	181.8	623.7	880.1	846.3	33.83	26.018		
9,900.0	9,706.7	9,966.8	9,731.3	20.0	22.5	-91.73	162.5	623.6	880.1	846.3	33.84	26.010		
9,950.0	9,724.9	10,019.1	9,749.1	20.0	22.6	-91.64	113.3	623.1	880.1	846.2	33.87	25.981		
9,975.0	9,732.5	10,045.2	9,756.3	20.1	22.6	-91.59	88.2	622.9	880.1	846.2	33.90	25.961		
10,000.0	9,739.1	10,071.3	9,762.4	20.1	22.6	-91.54	62.8	622.7	880.1	846.1	33.93	25.938		
10,050.0	9,749.0	10,123.4	9,770.9	20.1	22.7	-91.43	11.5	622.2	880.0	846.0	34.00	25.881		
10,070.0	9,751.8	10,144.1	9,773.0	20.1	22.7	-91.38	-9.1	622.0	880.0	846.0	34.04	25.854		
10,100.0	9,754.6	10,175.2	9,774.8	20.1	22.7	-91.30	-40.2	621.8	880.0	845.9	34.09	25.811		
10,138.9	9,756.0	10,214.6	9,775.0	20.2	22.7	-91.23	-79.6	621.4	879.9	845.8	34.18	25.745		
10,139.0	9,756.0	10,214.8	9,775.0	20.2	22.7	-91.23	-79.8	621.4	879.9	845.8	34.18	25.745		
10,165.0	9,756.0	10,240.8	9,775.0	20.2	22.8	-91.23	-105.7	621.2	879.9	845.7	34.25	25.693		
10,200.0	9,756.0	10,275.8	9,775.0	20.2	22.8	-91.23	-140.7	620.9	879.9	845.6	34.34	25.624		
10,260.0	9,756.1	10,335.8	9,775.1	20.2	22.9	-91.23	-200.7	620.3	879.9	845.4	34.54	25.479		
10,300.0	9,756.1	10,375.8	9,775.1	20.2	22.9	-91.23	-240.7	620.0	879.9	845.3	34.67	25.380		
10,355.0	9,756.2	10,430.8	9,775.1	20.3	23.0	-91.23	-295.7	619.5	879.9	845.1	34.88	25.225		
10,400.0	9,756.2	10,475.8	9,775.1	20.3	23.0	-91.23	-340.7	619.1	879.9	844.9	35.06	25.095		
10,450.0	9,756.2	10,525.8	9,775.2	20.3	23.1	-91.23	-390.7	618.7	879.9	844.7	35.29	24.935		
10,500.0	9,756.3	10,575.8	9,775.2	20.3	23.2	-91.23	-440.7	618.2	879.9	844.4	35.52	24.773		
10,545.0	9,756.3	10,620.8	9,775.2	20.4	23.2	-91.22	-485.7	617.8	879.9	844.2	35.75	24.615		
10,600.0	9,756.4	10,675.8	9,775.3	20.4	23.3	-91.22	-540.7	617.3	879.9	843.9	36.04	24.419		
10,640.0	9,756.4	10,715.8	9,775.3	20.4	23.4	-91.22	-580.7	617.0	879.9	843.7	36.26	24.267		
10,700.0	9,756.4	10,775.8	9,775.3	20.5	23.5	-91.22	-640.7	616.5	879.9	843.3	36.61	24.037		
10,735.0	9,756.5	10,810.8	9,775.3	20.5	23.5	-91.22	-675.7	616.1	879.9	843.1	36.82	23.896		
10,800.0	9,756.5	10,875.8	9,775.4	20.6	23.7	-91.22	-740.7	615.6	879.9	842.7	37.23	23.632		
10,830.0	9,756.5	10,905.8	9,775.4	20.6	23.7	-91.22	-770.7	615.3	879.9	842.5	37.43	23.506		
10,900.0	9,756.6	10,975.8	9,775.4	20.7	23.9	-91.22	-840.7	614.7	879.9	842.0	37.91	23.209		
10,925.0	9,756.6	11,000.8	9,775.4	20.7	23.9	-91.22	-865.7	614.5	879.9	841.9	38.09	23.101		
11,000.0	9,756.7	11,075.8	9,775.5	20.8	24.1	-91.22	-940.7	613.8	879.9	841.3	38.64	22.773		
11,020.0	9,756.7	11,095.8	9,775.5	20.9	24.1	-91.22	-960.7	613.6	879.9	841.2	38.79	22.684		
11,100.0	9,756.8	11,175.8	9,775.5	21.0	24.3	-91.21	-1,040.7	612.9	879.9	840.5	39.41	22.326		
11,115.0	9,756.8	11,190.8	9,775.5	21.0	24.3	-91.21	-1,055.7	612.8	879.9	840.4	39.53	22.259		
11,200.0	9,756.8	11,275.8	9,775.6	21.2	24.6	-91.21	-1,140.7	612.0	879.9	839.7	40.23	21.874		
11,210.0	9,756.8	11,285.8	9,775.6	21.2	24.6	-91.21	-1,150.7	611.9	879.9	839.6	40.31	21.828		
11,300.0	9,756.9	11,375.8	9,775.6	21.4	24.8	-91.21	-1,240.7	611.1	879.9	838.9	41.09	21.418		
11,305.0	9,756.9	11,380.8	9,775.6	21.4	24.8	-91.21	-1,245.7	611.1	879.9	838.8	41.13	21.395		
11,400.0	9,757.0	11,475.8	9,775.7	21.6	25.1	-91.21	-1,340.7	610.2	879.9	838.0	41.98	20.961		
11,495.0	9,757.1	11,570.8	9,775.7	21.8	25.4	-91.21	-1,435.7	609.4	879.9	837.1	42.86	20.529		
11,500.0	9,757.1	11,575.8	9,775.7	21.8	25.4	-91.21	-1,440.7	609.4	879.9	837.0	42.91	20.507		
11,590.0	9,757.1	11,665.8	9,775.8	22.1	25.7	-91.21	-1,530.7	608.6	879.9	836.2	43.78	20.101		
11,600.0	9,757.2	11,675.8	9,775.8	22.1	25.8	-91.21	-1,540.7	608.5	879.9	836.1	43.87	20.056		
11,685.0	9,757.2	11,760.8	9,775.8	22.4	26.1	-91.20	-1,625.7	607.7	879.9	835.2	44.72	19.677		
11,700.0	9,757.2	11,775.8	9,775.8	22.5	26.1	-91.20	-1,640.7	607.6	879.9	835.1	44.87	19.612		
11,780.0	9,757.3	11,855.8	9,775.9	22.7	26.4	-91.20	-1,720.7	606.9	879.9	834.3	45.69	19.260		
11,800.0	9,757.3	11,875.8	9,775.9	22.8	26.5	-91.20	-1,740.7	606.7	879.9	834.1	45.89	19.174		
11,875.0	9,757.4	11,950.8	9,775.9	23.1	26.8	-91.20	-1,815.6	606.0	879.9	833.3	46.68	18.851		
11,900.0	9,757.4	11,975.8	9,775.9	23.2	26.9	-91.20	-1,840.6	605.8	880.0	833.0	46.94	18.745		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,970.0	9,757.5	12,045.8	9,776.0	23.5	27.1	-91.20	-1,910.6	605.2	880.0	832.3	47.70	18.449		
12,000.0	9,757.5	12,075.8	9,776.0	23.6	27.3	-91.20	-1,940.6	604.9	880.0	831.9	48.02	18.324		
12,065.0	9,757.5	12,140.8	9,776.0	23.9	27.5	-91.20	-2,005.6	604.4	880.0	831.2	48.74	18.056		
12,100.0	9,757.6	12,175.8	9,776.0	24.1	27.7	-91.20	-2,040.6	604.0	880.0	830.8	49.12	17.914		
12,160.0	9,757.6	12,235.8	9,776.1	24.4	27.9	-91.20	-2,100.6	603.5	880.0	830.2	49.79	17.672		
12,200.0	9,757.6	12,275.8	9,776.1	24.6	28.1	-91.20	-2,140.6	603.2	880.0	829.7	50.24	17.514		
12,255.0	9,757.7	12,330.8	9,776.1	24.9	28.4	-91.20	-2,195.6	602.7	880.0	829.1	50.87	17.297		
12,300.0	9,757.7	12,375.8	9,776.2	25.1	28.6	-91.19	-2,240.6	602.3	880.0	828.6	51.39	17.124		
12,350.0	9,757.8	12,425.8	9,776.2	25.4	28.8	-91.19	-2,290.6	601.8	880.0	828.0	51.97	16.933		
12,400.0	9,757.8	12,475.8	9,776.2	25.6	29.0	-91.19	-2,340.6	601.4	880.0	827.4	52.55	16.745		
12,445.0	9,757.8	12,520.8	9,776.2	25.9	29.3	-91.19	-2,385.6	601.0	880.0	826.9	53.08	16.578		
12,500.0	9,757.9	12,575.8	9,776.3	26.2	29.5	-91.19	-2,440.6	600.5	880.0	826.2	53.73	16.377		
12,540.0	9,757.9	12,615.8	9,776.3	26.4	29.7	-91.19	-2,480.6	600.1	880.0	825.7	54.21	16.232		
12,600.0	9,757.9	12,675.8	9,776.3	26.7	30.0	-91.19	-2,540.6	599.6	880.0	825.0	54.93	16.020		
12,635.0	9,758.0	12,710.8	9,776.3	26.9	30.2	-91.19	-2,575.6	599.3	880.0	824.6	55.35	15.897		
12,700.0	9,758.0	12,775.8	9,776.4	27.3	30.5	-91.19	-2,640.6	598.7	880.0	823.8	56.14	15.673		
12,730.0	9,758.1	12,805.8	9,776.4	27.5	30.7	-91.19	-2,670.6	598.5	880.0	823.4	56.51	15.571		
12,800.0	9,758.1	12,875.8	9,776.4	27.9	31.1	-91.19	-2,740.6	597.8	880.0	822.6	57.37	15.338		
12,825.0	9,758.1	12,900.8	9,776.4	28.1	31.2	-91.19	-2,765.6	597.6	880.0	822.3	57.68	15.255		
12,900.0	9,758.2	12,975.8	9,776.5	28.5	31.6	-91.18	-2,840.6	597.0	880.0	821.3	58.62	15.012		
12,920.0	9,758.2	12,995.8	9,776.5	28.7	31.7	-91.18	-2,860.6	596.8	880.0	821.1	58.87	14.949		
13,000.0	9,758.3	13,075.8	9,776.5	29.1	32.1	-91.18	-2,940.6	596.1	880.0	820.1	59.87	14.697		
13,015.0	9,758.3	13,090.8	9,776.5	29.2	32.2	-91.18	-2,955.6	595.9	880.0	819.9	60.06	14.651		
13,100.0	9,758.3	13,175.8	9,776.6	29.8	32.7	-91.18	-3,040.6	595.2	880.0	818.8	61.14	14.393		
13,110.0	9,758.4	13,185.8	9,776.6	29.8	32.8	-91.18	-3,050.6	595.1	880.0	818.7	61.27	14.363		
13,200.0	9,758.4	13,275.8	9,776.6	30.4	33.3	-91.18	-3,140.6	594.3	880.0	817.5	62.42	14.098		
13,205.0	9,758.4	13,280.8	9,776.6	30.4	33.3	-91.18	-3,145.6	594.3	880.0	817.5	62.48	14.083		
13,300.0	9,758.5	13,375.8	9,776.7	31.1	33.8	-91.18	-3,240.6	593.4	880.0	816.3	63.71	13.812		
13,395.0	9,758.6	13,470.8	9,776.7	31.7	34.4	-91.18	-3,335.6	592.6	880.0	815.0	64.95	13.549		
13,400.0	9,758.6	13,475.8	9,776.7	31.7	34.4	-91.18	-3,340.6	592.5	880.0	814.9	65.01	13.536		
13,490.0	9,758.7	13,565.8	9,776.8	32.3	35.0	-91.17	-3,430.6	591.7	880.0	813.8	66.19	13.294		
13,500.0	9,758.7	13,575.8	9,776.8	32.4	35.0	-91.17	-3,440.6	591.6	880.0	813.6	66.32	13.268		
13,585.0	9,758.7	13,660.8	9,776.8	32.9	35.5	-91.17	-3,525.6	590.9	880.0	812.5	67.44	13.048		
13,600.0	9,758.7	13,675.8	9,776.8	33.0	35.6	-91.17	-3,540.6	590.8	880.0	812.3	67.64	13.009		
13,680.0	9,758.8	13,755.8	9,776.9	33.6	36.1	-91.17	-3,620.6	590.0	880.0	811.3	68.70	12.808		
13,700.0	9,758.8	13,775.8	9,776.9	33.7	36.2	-91.17	-3,640.6	589.9	880.0	811.0	68.97	12.759		
13,775.0	9,758.9	13,850.8	9,776.9	34.2	36.7	-91.17	-3,715.6	589.2	880.0	810.0	69.97	12.576		
13,800.0	9,758.9	13,875.8	9,776.9	34.4	36.9	-91.17	-3,740.6	589.0	880.0	809.7	70.31	12.516		
13,870.0	9,759.0	13,945.8	9,777.0	34.8	37.3	-91.17	-3,810.6	588.4	880.0	808.7	71.25	12.351		
13,900.0	9,759.0	13,975.8	9,777.0	35.0	37.5	-91.17	-3,840.6	588.1	880.0	808.3	71.65	12.282		
13,965.0	9,759.0	14,040.8	9,777.0	35.5	37.9	-91.17	-3,905.6	587.5	880.0	807.4	72.53	12.133		
14,000.0	9,759.1	14,075.8	9,777.0	35.7	38.1	-91.16	-3,940.6	587.2	880.0	807.0	73.00	12.054		
14,060.0	9,759.1	14,135.8	9,777.1	36.1	38.5	-91.16	-4,000.6	586.7	880.0	806.2	73.81	11.921		
14,100.0	9,759.1	14,175.8	9,777.1	36.4	38.7	-91.16	-4,040.6	586.3	880.0	805.6	74.36	11.834		
14,155.0	9,759.2	14,230.8	9,777.1	36.8	39.1	-91.16	-4,095.6	585.8	880.0	804.9	75.11	11.716		
14,200.0	9,759.2	14,275.8	9,777.2	37.1	39.4	-91.16	-4,140.6	585.4	880.0	804.2	75.72	11.621		
14,250.0	9,759.3	14,325.8	9,777.2	37.4	39.7	-91.16	-4,190.6	585.0	880.0	803.6	76.41	11.517		
14,300.0	9,759.3	14,375.8	9,777.2	37.8	40.0	-91.16	-4,240.6	584.6	880.0	802.9	77.09	11.414		
14,345.0	9,759.3	14,420.8	9,777.2	38.1	40.3	-91.16	-4,285.6	584.2	880.0	802.3	77.71	11.323		
14,400.0	9,759.4	14,475.8	9,777.3	38.5	40.7	-91.16	-4,340.5	583.7	880.0	801.5	78.47	11.214		
14,440.0	9,759.4	14,515.8	9,777.3	38.8	40.9	-91.16	-4,380.5	583.3	880.0	800.9	79.02	11.136		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 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	
14,500.0	9,759.5	14,575.8	9,777.3	39.2	41.3	-91.16	-4,440.5	582.8	880.0	800.1	79.85	11.020
14,535.0	9,759.5	14,610.8	9,777.3	39.4	41.6	-91.16	-4,475.5	582.5	880.0	799.6	80.34	10.954
14,600.0	9,759.5	14,675.8	9,777.4	39.9	42.0	-91.15	-4,540.5	581.9	880.0	798.7	81.24	10.832
14,630.0	9,759.6	14,705.8	9,777.4	40.1	42.2	-91.15	-4,570.5	581.6	880.0	798.3	81.65	10.777
14,700.0	9,759.6	14,775.8	9,777.4	40.6	42.7	-91.15	-4,640.5	581.0	880.0	797.3	82.63	10.650
14,725.0	9,759.6	14,800.8	9,777.4	40.8	42.8	-91.15	-4,665.5	580.8	880.0	797.0	82.98	10.605
14,800.0	9,759.7	14,875.8	9,777.5	41.3	43.3	-91.15	-4,740.5	580.1	880.0	795.9	84.03	10.473
14,820.0	9,759.7	14,895.8	9,777.5	41.4	43.5	-91.15	-4,760.5	579.9	880.0	795.7	84.31	10.438
14,900.0	9,759.8	14,975.8	9,777.5	42.0	44.0	-91.15	-4,840.5	579.2	880.0	794.5	85.43	10.301
14,915.0	9,759.8	14,990.8	9,777.5	42.1	44.1	-91.15	-4,855.5	579.1	880.0	794.3	85.64	10.276
15,000.0	9,759.9	15,075.8	9,777.6	42.7	44.7	-91.15	-4,940.5	578.4	880.0	793.1	86.83	10.134
15,010.0	9,759.9	15,085.8	9,777.6	42.8	44.7	-91.15	-4,950.5	578.3	880.0	793.0	86.97	10.118
15,100.0	9,759.9	15,175.8	9,777.6	43.4	45.3	-91.15	-5,040.5	577.5	880.0	791.7	88.24	9.972
15,105.0	9,759.9	15,180.8	9,777.6	43.5	45.4	-91.15	-5,045.5	577.4	880.0	791.7	88.31	9.964
15,200.0	9,760.0	15,275.8	9,777.7	44.1	46.0	-91.14	-5,140.5	576.6	880.0	790.3	89.66	9.815
15,295.0	9,760.1	15,370.8	9,777.7	44.8	46.7	-91.14	-5,235.5	575.7	880.0	789.0	91.00	9.670
15,300.0	9,760.1	15,375.8	9,777.7	44.8	46.7	-91.14	-5,240.5	575.7	880.0	788.9	91.07	9.662
15,390.0	9,760.2	15,465.8	9,777.8	45.5	47.3	-91.14	-5,330.5	574.9	880.0	787.6	92.35	9.529
15,400.0	9,760.2	15,475.8	9,777.8	45.6	47.4	-91.14	-5,340.5	574.8	880.0	787.5	92.49	9.514
15,485.0	9,760.2	15,560.8	9,777.8	46.2	48.0	-91.14	-5,425.5	574.1	880.0	786.3	93.70	9.391
15,500.0	9,760.2	15,575.8	9,777.8	46.3	48.1	-91.14	-5,440.5	573.9	880.0	786.1	93.92	9.370
15,580.0	9,760.3	15,655.8	9,777.9	46.9	48.6	-91.14	-5,520.5	573.2	880.0	784.9	95.06	9.257
15,600.0	9,760.3	15,675.8	9,777.9	47.0	48.8	-91.14	-5,540.5	573.0	880.0	784.6	95.34	9.230
15,675.0	9,760.4	15,750.8	9,777.9	47.5	49.3	-91.14	-5,615.5	572.4	880.0	783.6	96.42	9.127
15,700.0	9,760.4	15,775.8	9,777.9	47.7	49.5	-91.14	-5,640.5	572.2	880.0	783.2	96.77	9.093
15,770.0	9,760.5	15,845.8	9,778.0	48.2	50.0	-91.13	-5,710.5	571.5	880.0	782.2	97.78	9.000
15,800.0	9,760.5	15,875.8	9,778.0	48.4	50.2	-91.13	-5,740.5	571.3	880.0	781.8	98.21	8.960
15,865.0	9,760.5	15,940.8	9,778.0	48.9	50.6	-91.13	-5,805.5	570.7	880.0	780.8	99.14	8.876
15,900.0	9,760.6	15,975.8	9,778.1	49.2	50.9	-91.13	-5,840.5	570.4	880.0	780.3	99.64	8.831
15,960.0	9,760.6	16,035.8	9,778.1	49.6	51.3	-91.13	-5,900.5	569.8	880.0	779.5	100.51	8.756
16,000.0	9,760.6	16,075.8	9,778.1	49.9	51.6	-91.13	-5,940.5	569.5	880.0	778.9	101.08	8.706
16,055.0	9,760.7	16,130.8	9,778.1	50.3	51.9	-91.13	-5,995.5	569.0	880.0	778.1	101.87	8.638
16,100.0	9,760.7	16,175.8	9,778.2	50.6	52.3	-91.13	-6,040.5	568.6	880.0	777.5	102.52	8.583
16,150.0	9,760.8	16,225.8	9,778.2	51.0	52.6	-91.13	-6,090.5	568.2	880.0	776.7	103.24	8.523
16,200.0	9,760.8	16,275.8	9,778.2	51.4	53.0	-91.13	-6,140.5	567.7	880.0	776.0	103.97	8.464
16,245.0	9,760.8	16,320.8	9,778.2	51.7	53.3	-91.13	-6,185.5	567.3	880.0	775.4	104.62	8.412
16,300.0	9,760.9	16,375.8	9,778.3	52.1	53.7	-91.13	-6,240.5	566.8	880.0	774.6	105.41	8.348
16,340.0	9,760.9	16,415.8	9,778.3	52.4	54.0	-91.12	-6,280.5	566.5	880.0	774.0	105.99	8.302
16,400.0	9,761.0	16,475.8	9,778.3	52.8	54.4	-91.12	-6,340.5	566.0	880.0	773.1	106.86	8.235
16,435.0	9,761.0	16,510.8	9,778.3	53.1	54.6	-91.12	-6,375.5	565.6	880.0	772.6	107.37	8.196
16,500.0	9,761.0	16,575.8	9,778.4	53.5	55.1	-91.12	-6,440.5	565.1	880.0	771.7	108.31	8.125
16,530.0	9,761.1	16,605.8	9,778.4	53.8	55.3	-91.12	-6,470.5	564.8	880.0	771.2	108.75	8.092
16,600.0	9,761.1	16,675.8	9,778.4	54.3	55.8	-91.12	-6,540.5	564.2	880.0	770.2	109.76	8.017
16,625.0	9,761.1	16,700.8	9,778.4	54.5	56.0	-91.12	-6,565.5	564.0	880.0	769.9	110.13	7.991
16,700.0	9,761.2	16,775.8	9,778.5	55.0	56.5	-91.12	-6,640.5	563.3	880.0	768.8	111.22	7.912
16,720.0	9,761.2	16,795.8	9,778.5	55.2	56.7	-91.12	-6,660.5	563.1	880.0	768.5	111.51	7.892
16,800.0	9,761.3	16,875.8	9,778.5	55.7	57.2	-91.12	-6,740.5	562.4	880.0	767.3	112.67	7.810
16,815.0	9,761.3	16,890.8	9,778.5	55.9	57.3	-91.12	-6,755.5	562.3	880.0	767.1	112.89	7.795
16,900.0	9,761.4	16,975.8	9,778.6	56.5	57.9	-91.11	-6,840.5	561.5	880.0	765.9	114.13	7.710
16,910.0	9,761.4	16,985.8	9,778.6	56.6	58.0	-91.11	-6,850.5	561.4	880.0	765.7	114.28	7.700
17,000.0	9,761.4	17,075.8	9,778.6	57.2	58.7	-91.11	-6,940.4	560.6	880.0	764.4	115.59	7.613

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 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	
17,005.0	9,761.4	17,080.8	9,778.6	57.3	58.7	-91.11	-6,945.4	560.6	880.0	764.3	115.67	7.608
17,100.0	9,761.5	17,175.8	9,778.7	58.0	59.4	-91.11	-7,040.4	559.7	880.0	762.9	117.05	7.518
17,195.0	9,761.6	17,270.8	9,778.7	58.7	60.1	-91.11	-7,135.4	558.9	880.0	761.5	118.44	7.430
17,200.0	9,761.6	17,275.8	9,778.7	58.7	60.1	-91.11	-7,140.4	558.9	880.0	761.5	118.52	7.425
17,290.0	9,761.7	17,365.8	9,778.8	59.4	60.7	-91.11	-7,230.4	558.1	880.0	760.2	119.84	7.343
17,300.0	9,761.7	17,375.8	9,778.8	59.4	60.8	-91.11	-7,240.4	558.0	880.0	760.0	119.98	7.334
17,385.0	9,761.7	17,460.8	9,778.8	60.1	61.4	-91.11	-7,325.4	557.2	880.0	758.8	121.23	7.259
17,400.0	9,761.8	17,475.8	9,778.8	60.2	61.5	-91.11	-7,340.4	557.1	880.0	758.5	121.45	7.246
17,480.0	9,761.8	17,555.8	9,778.9	60.8	62.1	-91.10	-7,420.4	556.4	880.0	757.4	122.62	7.176
17,500.0	9,761.8	17,575.8	9,778.9	60.9	62.3	-91.10	-7,440.4	556.2	880.0	757.1	122.92	7.159
17,575.0	9,761.9	17,650.8	9,778.9	61.5	62.8	-91.10	-7,515.4	555.5	880.0	756.0	124.02	7.096
17,600.0	9,761.9	17,675.8	9,778.9	61.6	63.0	-91.10	-7,540.4	555.3	880.0	755.6	124.39	7.075
17,670.0	9,762.0	17,745.8	9,779.0	62.2	63.5	-91.10	-7,610.4	554.7	880.0	754.6	125.42	7.017
17,700.0	9,762.0	17,775.8	9,779.0	62.4	63.7	-91.10	-7,640.4	554.4	880.0	754.1	125.86	6.992
17,765.0	9,762.0	17,840.8	9,779.0	62.9	64.2	-91.10	-7,705.4	553.9	880.0	753.2	126.82	6.939
17,800.0	9,762.1	17,875.8	9,779.1	63.1	64.4	-91.10	-7,740.4	553.5	880.0	752.7	127.33	6.911
17,860.0	9,762.1	17,935.8	9,779.1	63.6	64.9	-91.10	-7,800.4	553.0	880.0	751.8	128.22	6.863
17,900.0	9,762.1	17,975.8	9,779.1	63.9	65.2	-91.10	-7,840.4	552.7	880.0	751.2	128.80	6.832
17,955.0	9,762.2	18,030.8	9,779.1	64.3	65.6	-91.10	-7,895.4	552.2	880.0	750.4	129.62	6.789
18,000.0	9,762.2	18,075.8	9,779.2	64.6	65.9	-91.10	-7,940.4	551.8	880.0	749.7	130.28	6.755
18,050.0	9,762.3	18,125.8	9,779.2	65.0	66.3	-91.09	-7,990.4	551.3	880.0	749.0	131.02	6.717
18,100.0	9,762.3	18,175.8	9,779.2	65.4	66.6	-91.09	-8,040.4	550.9	880.0	748.2	131.76	6.679
18,145.0	9,762.3	18,220.8	9,779.2	65.7	66.9	-91.09	-8,085.4	550.5	880.0	747.6	132.42	6.645
18,200.0	9,762.4	18,275.8	9,779.3	66.1	67.3	-91.09	-8,140.4	550.0	880.0	746.8	133.23	6.605
18,240.0	9,762.4	18,315.8	9,779.3	66.4	67.6	-91.09	-8,180.4	549.6	880.0	746.2	133.82	6.576
18,300.0	9,762.5	18,375.8	9,779.3	66.8	68.1	-91.09	-8,240.4	549.1	880.0	745.3	134.71	6.532
18,335.0	9,762.5	18,410.8	9,779.3	67.1	68.3	-91.09	-8,275.4	548.8	880.0	744.8	135.23	6.507
18,400.0	9,762.5	18,475.8	9,779.4	67.6	68.8	-91.09	-8,340.4	548.2	880.0	743.8	136.19	6.461
18,430.0	9,762.6	18,505.8	9,779.4	67.8	69.0	-91.09	-8,370.4	548.0	880.0	743.4	136.64	6.440
18,500.0	9,762.6	18,575.8	9,779.4	68.3	69.5	-91.09	-8,440.4	547.3	880.0	742.3	137.67	6.392
18,525.0	9,762.6	18,600.8	9,779.4	68.5	69.7	-91.09	-8,465.4	547.1	880.0	742.0	138.04	6.375
18,600.0	9,762.7	18,675.8	9,779.5	69.1	70.3	-91.09	-8,540.4	546.5	880.0	740.8	139.15	6.324
18,620.0	9,762.7	18,695.8	9,779.5	69.2	70.4	-91.09	-8,560.4	546.3	880.0	740.6	139.45	6.311
18,700.0	9,762.8	18,775.8	9,779.5	69.8	71.0	-91.08	-8,640.4	545.6	880.0	739.4	140.64	6.257
18,715.0	9,762.8	18,790.8	9,779.5	69.9	71.1	-91.08	-8,655.4	545.4	880.0	739.1	140.86	6.247
18,800.0	9,762.9	18,875.8	9,779.6	70.6	71.7	-91.08	-8,740.4	544.7	880.0	737.9	142.12	6.192
18,810.0	9,762.9	18,885.8	9,779.6	70.6	71.8	-91.08	-8,750.4	544.6	880.0	737.7	142.27	6.186
18,900.0	9,762.9	18,975.8	9,779.6	71.3	72.5	-91.08	-8,840.4	543.8	880.0	736.4	143.60	6.128
18,905.0	9,762.9	18,980.8	9,779.6	71.4	72.5	-91.08	-8,845.4	543.8	880.0	736.3	143.68	6.125
19,000.0	9,763.0	19,075.8	9,779.7	72.1	73.2	-91.08	-8,940.4	542.9	880.0	734.9	145.09	6.065
19,095.0	9,763.1	19,170.8	9,779.7	72.8	73.9	-91.08	-9,035.4	542.1	880.0	733.5	146.50	6.007
19,100.0	9,763.1	19,175.8	9,779.7	72.8	73.9	-91.08	-9,040.4	542.0	880.0	733.4	146.58	6.004
19,190.0	9,763.2	19,265.8	9,779.8	73.5	74.6	-91.08	-9,130.4	541.2	880.0	732.1	147.91	5.949
19,200.0	9,763.2	19,275.8	9,779.8	73.6	74.7	-91.08	-9,140.4	541.1	880.0	731.9	148.06	5.943
19,285.0	9,763.2	19,360.8	9,779.8	74.2	75.3	-91.07	-9,225.4	540.4	880.0	730.7	149.33	5.893
19,300.0	9,763.3	19,375.8	9,779.8	74.3	75.4	-91.07	-9,240.4	540.3	880.0	730.5	149.55	5.884
19,380.0	9,763.3	19,455.8	9,779.9	74.9	76.0	-91.07	-9,320.4	539.5	880.0	729.3	150.74	5.838
19,400.0	9,763.3	19,475.8	9,779.9	75.1	76.2	-91.07	-9,340.4	539.4	880.0	729.0	151.04	5.826
19,475.0	9,763.4	19,550.8	9,779.9	75.6	76.7	-91.07	-9,415.3	538.7	880.0	727.8	152.16	5.784
19,500.0	9,763.4	19,575.8	9,779.9	75.8	76.9	-91.07	-9,440.3	538.5	880.0	727.5	152.53	5.769
19,570.0	9,763.5	19,645.8	9,780.0	76.3	77.4	-91.07	-9,510.3	537.9	880.0	726.4	153.57	5.730

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS							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	
19,600.0	9,763.5	19,675.8	9,780.0	76.6	77.6	-91.07	-9,540.3	537.6	880.0	726.0	154.02	5.714		
19,665.0	9,763.5	19,740.8	9,780.0	77.0	78.1	-91.07	-9,605.3	537.0	880.0	725.0	154.99	5.678		
19,700.0	9,763.6	19,775.8	9,780.1	77.3	78.4	-91.07	-9,640.3	536.7	880.0	724.5	155.51	5.659		
19,760.0	9,763.6	19,835.8	9,780.1	77.8	78.8	-91.07	-9,700.3	536.2	880.0	723.6	156.41	5.626		
19,800.0	9,763.7	19,875.8	9,780.1	78.1	79.1	-91.06	-9,740.3	535.8	880.0	723.0	157.00	5.605		
19,855.0	9,763.7	19,930.8	9,780.1	78.5	79.5	-91.06	-9,795.3	535.3	880.0	722.2	157.82	5.576		
19,900.0	9,763.7	19,975.8	9,780.2	78.8	79.8	-91.06	-9,840.3	534.9	880.0	721.5	158.49	5.552		
19,950.0	9,763.8	20,025.8	9,780.2	79.2	80.2	-91.06	-9,890.3	534.5	880.0	720.8	159.24	5.526		
20,000.0	9,763.8	20,075.8	9,780.2	79.6	80.6	-91.06	-9,940.3	534.1	880.0	720.0	159.99	5.500		
20,045.0	9,763.8	20,120.8	9,780.2	79.9	80.9	-91.06	-9,985.3	533.7	880.0	719.4	160.66	5.477		
20,100.0	9,763.9	20,175.8	9,780.3	80.3	81.3	-91.06	-10,040.3	533.2	880.0	718.5	161.48	5.450		
20,140.0	9,763.9	20,215.8	9,780.3	80.6	81.6	-91.06	-10,080.3	532.8	880.0	717.9	162.08	5.430		
20,200.0	9,764.0	20,275.8	9,780.3	81.1	82.1	-91.06	-10,140.3	532.3	880.0	717.0	162.98	5.400		
20,235.0	9,764.0	20,310.8	9,780.3	81.3	82.3	-91.06	-10,175.3	532.0	880.0	716.5	163.50	5.382		
20,300.0	9,764.1	20,375.8	9,780.4	81.8	82.8	-91.06	-10,240.3	531.4	880.0	715.5	164.47	5.351		
20,330.0	9,764.1	20,405.8	9,780.4	82.0	83.0	-91.06	-10,270.3	531.1	880.0	715.1	164.92	5.336		
20,400.0	9,764.1	20,475.8	9,780.4	82.6	83.6	-91.05	-10,340.3	530.5	880.0	714.0	165.97	5.302		
20,425.0	9,764.1	20,500.8	9,780.4	82.7	83.7	-91.05	-10,365.3	530.3	880.0	713.7	166.34	5.290		
20,500.0	9,764.2	20,575.8	9,780.5	83.3	84.3	-91.05	-10,440.3	529.6	880.0	712.6	167.46	5.255		
20,520.0	9,764.2	20,595.8	9,780.5	83.5	84.4	-91.05	-10,460.3	529.4	880.0	712.3	167.76	5.246		
20,600.0	9,764.3	20,675.8	9,780.5	84.1	85.0	-91.05	-10,540.3	528.7	880.0	711.1	168.96	5.208		
20,615.0	9,764.3	20,690.8	9,780.5	84.2	85.2	-91.05	-10,555.3	528.6	880.0	710.8	169.18	5.202		
20,700.0	9,764.4	20,775.8	9,780.6	84.8	85.8	-91.05	-10,640.3	527.9	880.0	709.6	170.46	5.163		
20,710.0	9,764.4	20,785.8	9,780.6	84.9	85.9	-91.05	-10,650.3	527.8	880.0	709.4	170.61	5.158		
20,800.0	9,764.4	20,875.8	9,780.6	85.6	86.5	-91.05	-10,740.3	527.0	880.0	708.1	171.95	5.118		
20,805.0	9,764.5	20,880.8	9,780.6	85.6	86.6	-91.05	-10,745.3	526.9	880.0	708.0	172.03	5.116		
20,900.0	9,764.5	20,975.8	9,780.7	86.3	87.3	-91.05	-10,840.3	526.1	880.0	706.6	173.45	5.074		
20,995.0	9,764.6	21,070.8	9,780.7	87.0	88.0	-91.04	-10,935.3	525.2	880.0	705.1	174.88	5.032		
21,000.0	9,764.6	21,075.8	9,780.7	87.1	88.0	-91.04	-10,940.3	525.2	880.0	705.1	174.95	5.030		
21,090.0	9,764.7	21,165.8	9,780.8	87.7	88.7	-91.04	-11,030.3	524.4	880.0	703.7	176.30	4.992		
21,100.0	9,764.7	21,175.8	9,780.8	87.8	88.8	-91.04	-11,040.3	524.3	880.0	703.6	176.45	4.987		
21,185.0	9,764.8	21,260.8	9,780.8	88.5	89.4	-91.04	-11,125.3	523.6	880.0	702.3	177.73	4.952		
21,200.0	9,764.8	21,275.8	9,780.8	88.6	89.5	-91.04	-11,140.3	523.4	880.0	702.1	177.95	4.945		
21,280.0	9,764.8	21,355.8	9,780.9	89.2	90.1	-91.04	-11,220.3	522.7	880.0	700.9	179.15	4.912		
21,300.0	9,764.8	21,375.8	9,780.9	89.3	90.3	-91.04	-11,240.3	522.5	880.0	700.6	179.45	4.904		
21,375.0	9,764.9	21,450.8	9,780.9	89.9	90.8	-91.04	-11,315.3	521.9	880.0	699.4	180.58	4.873		
21,400.0	9,764.9	21,475.8	9,781.0	90.1	91.0	-91.04	-11,340.3	521.7	880.0	699.1	180.95	4.863		
21,470.0	9,765.0	21,545.8	9,781.0	90.6	91.5	-91.04	-11,410.3	521.0	880.0	698.0	182.00	4.835		
21,500.0	9,765.0	21,575.8	9,781.0	90.8	91.7	-91.04	-11,440.3	520.8	880.0	697.6	182.45	4.823		
21,565.0	9,765.1	21,640.8	9,781.0	91.3	92.2	-91.03	-11,505.3	520.2	880.0	696.6	183.43	4.798		
21,600.0	9,765.1	21,675.8	9,781.1	91.6	92.5	-91.03	-11,540.3	519.9	880.0	696.1	183.96	4.784		
21,660.0	9,765.1	21,735.8	9,781.1	92.0	92.9	-91.03	-11,600.3	519.3	880.0	695.2	184.86	4.761		
21,700.0	9,765.2	21,775.8	9,781.1	92.3	93.2	-91.03	-11,640.3	519.0	880.0	694.6	185.46	4.745		
21,755.0	9,765.2	21,830.8	9,781.1	92.8	93.6	-91.03	-11,695.3	518.5	880.0	693.7	186.28	4.724		
21,800.0	9,765.2	21,875.8	9,781.2	93.1	94.0	-91.03	-11,740.3	518.1	880.0	693.1	186.96	4.707		
21,850.0	9,765.3	21,925.8	9,781.2	93.5	94.4	-91.03	-11,790.3	517.7	880.0	692.3	187.71	4.688		
21,900.0	9,765.3	21,975.8	9,781.2	93.8	94.7	-91.03	-11,840.3	517.2	880.0	691.6	188.46	4.669		
21,945.0	9,765.4	22,020.8	9,781.2	94.2	95.1	-91.03	-11,885.3	516.8	880.0	690.9	189.14	4.653		
22,000.0	9,765.4	22,075.8	9,781.3	94.6	95.5	-91.03	-11,940.2	516.3	880.0	690.1	189.97	4.633		
22,040.0	9,765.4	22,115.8	9,781.3	94.9	95.8	-91.03	-11,980.2	516.0	880.0	689.5	190.57	4.618		
22,100.0	9,765.5	22,175.8	9,781.3	95.4	96.2	-91.03	-12,040.2	515.5	880.0	688.6	191.47	4.596		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 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)		
22,135.0	9,765.5	22,210.8	9,781.3	95.6	96.5	-91.02	-12,075.2	515.1	880.0	688.0	192.00	4.584
22,200.0	9,765.6	22,275.8	9,781.4	96.1	97.0	-91.02	-12,140.2	514.6	880.0	687.1	192.97	4.560
22,230.0	9,765.6	22,305.8	9,781.4	96.3	97.2	-91.02	-12,170.2	514.3	880.0	686.6	193.43	4.550
22,300.0	9,765.6	22,375.8	9,781.4	96.9	97.7	-91.02	-12,240.2	513.7	880.0	685.5	194.48	4.525
22,325.0	9,765.7	22,400.8	9,781.4	97.1	97.9	-91.02	-12,265.2	513.5	880.0	685.2	194.85	4.516
22,400.0	9,765.7	22,475.8	9,781.5	97.6	98.5	-91.02	-12,340.2	512.8	880.0	684.0	195.98	4.490
22,420.0	9,765.7	22,495.8	9,781.5	97.8	98.6	-91.02	-12,360.2	512.6	880.0	683.7	196.28	4.483
22,500.0	9,765.8	22,575.8	9,781.5	98.4	99.2	-91.02	-12,440.2	511.9	880.0	682.5	197.49	4.456
22,515.0	9,765.8	22,590.8	9,781.5	98.5	99.3	-91.02	-12,455.2	511.8	880.0	682.3	197.71	4.451
22,600.0	9,765.9	22,675.8	9,781.6	99.1	100.0	-91.02	-12,540.2	511.0	880.0	681.0	198.99	4.422
22,610.0	9,765.9	22,685.8	9,781.6	99.2	100.0	-91.02	-12,550.2	510.9	880.0	680.9	199.14	4.419
22,700.0	9,766.0	22,775.8	9,781.6	99.9	100.7	-91.01	-12,640.2	510.1	880.0	679.5	200.50	4.389
22,705.0	9,766.0	22,780.8	9,781.6	99.9	100.8	-91.01	-12,645.2	510.1	880.0	679.5	200.58	4.388
22,800.0	9,766.0	22,875.8	9,781.7	100.6	101.5	-91.01	-12,740.2	509.2	880.0	678.0	202.01	4.356
22,895.0	9,766.1	22,970.8	9,781.7	101.4	102.2	-91.01	-12,835.2	508.4	880.0	676.6	203.44	4.326
22,900.0	9,766.1	22,975.8	9,781.7	101.4	102.2	-91.01	-12,840.2	508.4	880.0	676.5	203.51	4.324
22,990.0	9,766.2	23,065.8	9,781.8	102.1	102.9	-91.01	-12,930.2	507.6	880.0	675.2	204.87	4.296
23,000.0	9,766.2	23,075.8	9,781.8	102.2	103.0	-91.01	-12,940.2	507.5	880.0	675.0	205.02	4.292
23,085.0	9,766.3	23,160.8	9,781.8	102.8	103.6	-91.01	-13,025.2	506.7	880.0	673.7	206.30	4.266
23,100.0	9,766.3	23,175.8	9,781.8	102.9	103.7	-91.01	-13,040.2	506.6	880.0	673.5	206.53	4.261
23,180.0	9,766.3	23,255.8	9,781.9	103.5	104.3	-91.01	-13,120.2	505.9	880.0	672.3	207.73	4.236
23,200.0	9,766.3	23,275.8	9,781.9	103.7	104.5	-91.01	-13,140.2	505.7	880.0	672.0	208.03	4.230
23,275.0	9,766.4	23,350.8	9,781.9	104.2	105.0	-91.00	-13,215.2	505.0	880.0	670.9	209.17	4.207
23,300.0	9,766.4	23,375.8	9,782.0	104.4	105.2	-91.00	-13,240.2	504.8	880.0	670.5	209.54	4.200
23,370.0	9,766.5	23,445.8	9,782.0	104.9	105.7	-91.00	-13,310.2	504.2	880.0	669.4	210.60	4.179
23,400.0	9,766.5	23,475.8	9,782.0	105.2	106.0	-91.00	-13,340.2	503.9	880.0	669.0	211.05	4.170
23,465.0	9,766.6	23,540.8	9,782.0	105.7	106.5	-91.00	-13,405.2	503.4	880.0	668.0	212.03	4.151
23,500.0	9,766.6	23,575.8	9,782.1	105.9	106.7	-91.00	-13,440.2	503.0	880.0	667.5	212.56	4.140
23,560.0	9,766.6	23,635.8	9,782.1	106.4	107.2	-91.00	-13,500.2	502.5	880.0	666.6	213.46	4.123
23,600.0	9,766.7	23,675.8	9,782.1	106.7	107.5	-91.00	-13,540.2	502.2	880.0	666.0	214.07	4.111
23,655.0	9,766.7	23,730.8	9,782.1	107.1	107.9	-91.00	-13,595.2	501.7	880.0	665.1	214.90	4.095
23,700.0	9,766.7	23,775.8	9,782.2	107.4	108.2	-91.00	-13,640.2	501.3	880.0	664.5	215.58	4.082
23,750.0	9,766.8	23,825.8	9,782.2	107.8	108.6	-91.00	-13,690.2	500.8	880.0	663.7	216.33	4.068
23,800.0	9,766.8	23,875.8	9,782.2	108.2	109.0	-91.00	-13,740.2	500.4	880.0	663.0	217.09	4.054
23,845.0	9,766.9	23,920.8	9,782.2	108.5	109.3	-90.99	-13,785.2	500.0	880.0	662.3	217.77	4.041
23,900.0	9,766.9	23,975.8	9,782.3	109.0	109.7	-90.99	-13,840.2	499.5	880.0	661.4	218.60	4.026
23,940.0	9,766.9	24,015.8	9,782.3	109.3	110.0	-90.99	-13,880.2	499.1	880.0	660.8	219.20	4.015
24,000.0	9,767.0	24,075.8	9,782.3	109.7	110.5	-90.99	-13,940.2	498.6	880.0	659.9	220.11	3.998
24,035.0	9,767.0	24,110.8	9,782.3	110.0	110.7	-90.99	-13,975.2	498.3	880.0	659.4	220.63	3.989
24,100.0	9,767.1	24,175.8	9,782.4	110.5	111.2	-90.99	-14,040.2	497.7	880.0	658.4	221.62	3.971
24,130.0	9,767.1	24,205.8	9,782.4	110.7	111.5	-90.99	-14,070.2	497.5	880.0	658.0	222.07	3.963
24,200.0	9,767.1	24,275.8	9,782.4	111.2	112.0	-90.99	-14,140.2	496.8	880.0	656.9	223.13	3.944
24,225.0	9,767.2	24,300.8	9,782.4	111.4	112.2	-90.99	-14,165.2	496.6	880.0	656.5	223.50	3.938
24,300.0	9,767.2	24,375.8	9,782.5	112.0	112.7	-90.99	-14,240.2	496.0	880.0	655.4	224.64	3.918
24,320.0	9,767.2	24,395.8	9,782.5	112.1	112.9	-90.99	-14,260.2	495.8	880.0	655.1	224.94	3.912
24,400.0	9,767.3	24,475.8	9,782.5	112.7	113.5	-90.99	-14,340.2	495.1	880.0	653.9	226.15	3.891
24,415.0	9,767.3	24,490.8	9,782.5	112.9	113.6	-90.99	-14,355.2	494.9	880.0	653.7	226.37	3.888
24,500.0	9,767.4	24,575.8	9,782.6	113.5	114.2	-90.98	-14,440.2	494.2	880.0	652.4	227.66	3.866
24,510.0	9,767.4	24,585.8	9,782.6	113.6	114.3	-90.98	-14,450.2	494.1	880.0	652.2	227.81	3.863
24,600.0	9,767.5	24,675.8	9,782.6	114.3	115.0	-90.98	-14,540.1	493.3	880.0	650.9	229.17	3.840
24,605.0	9,767.5	24,680.8	9,782.6	114.3	115.0	-90.98	-14,545.1	493.3	880.0	650.8	229.24	3.839

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #804H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9292-r.5 MWD+IFR1+MS												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)	Factor	
24,700.0	9,767.5	24,775.8	9,782.7	115.0	115.7	-90.98	-14,640.1	492.4	880.0	649.4	230.68	3.815	
24,795.0	9,767.6	24,870.8	9,782.7	115.7	116.5	-90.98	-14,735.1	491.6	880.0	647.9	232.12	3.791	
24,800.0	9,767.6	24,875.8	9,782.7	115.8	116.5	-90.98	-14,740.1	491.5	880.0	647.9	232.19	3.790	
24,890.0	9,767.7	24,965.8	9,782.8	116.5	117.2	-90.98	-14,830.1	490.7	880.0	646.5	233.55	3.768	
24,900.0	9,767.7	24,975.8	9,782.8	116.5	117.3	-90.98	-14,840.1	490.6	880.0	646.3	233.70	3.766	
24,985.0	9,767.8	25,060.8	9,782.8	117.2	117.9	-90.98	-14,925.1	489.9	880.1	645.1	234.99	3.745	
25,000.0	9,767.8	25,075.8	9,782.8	117.3	118.0	-90.98	-14,940.1	489.8	880.1	644.8	235.22	3.741	
25,080.0	9,767.8	25,155.8	9,782.9	117.9	118.6	-90.97	-15,020.1	489.1	880.1	643.6	236.43	3.722	
25,100.0	9,767.9	25,175.8	9,782.9	118.0	118.8	-90.97	-15,040.1	488.9	880.1	643.3	236.73	3.718	
25,154.5	9,767.9	25,230.2	9,782.9	118.5	119.2	-90.97	-15,094.6	488.4	880.1	642.5	237.55	3.705	
25,175.0	9,767.9	25,250.8	9,782.9	118.6	119.3	-90.97	-15,115.1	488.2	880.1	642.2	237.86	3.700	
25,200.0	9,767.9	25,275.8	9,783.0	118.8	119.5	-90.97	-15,140.1	488.0	880.1	641.8	238.24	3.694	
25,270.0	9,768.0	25,345.8	9,783.0	119.3	120.0	-90.97	-15,210.1	487.4	880.1	640.8	239.29	3.678	
25,271.2	9,768.0	25,346.9	9,783.0	119.3	120.0	-90.97	-15,211.3	487.4	880.1	640.7	239.31	3.677	
25,284.5	9,768.0	25,359.2	9,783.0	119.4	120.1	-90.97	-15,223.5	487.2	880.1	640.5	239.51	3.674	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.2	0.2	3.0	3.0	-90.95	-0.5	-30.0	30.0					
95.0	95.0	95.2	95.2	3.0	3.0	-90.95	-0.5	-30.0	30.0	24.0	6.04	4.971		
100.0	100.0	100.2	100.2	3.0	3.0	-90.95	-0.5	-30.0	30.0	24.0	6.04	4.967		
190.0	190.0	190.2	190.2	3.1	3.1	-90.95	-0.5	-30.0	30.0	23.8	6.25	4.799		
200.0	200.0	200.2	200.2	3.1	3.1	-90.95	-0.5	-30.0	30.0	23.7	6.29	4.773		
285.0	285.0	285.2	285.2	3.3	3.3	-90.95	-0.5	-30.0	30.0	23.5	6.48	4.628		
300.0	300.0	300.2	300.2	3.3	3.3	-90.95	-0.5	-30.0	30.0	23.5	6.52	4.600		
380.0	380.0	380.2	380.2	3.4	3.4	-90.95	-0.5	-30.0	30.0	23.3	6.70	4.477		
400.0	400.0	400.2	400.2	3.4	3.4	-90.95	-0.5	-30.0	30.0	23.3	6.75	4.445		
475.0	475.0	475.2	475.2	3.5	3.5	-90.95	-0.5	-30.0	30.0	23.1	6.91	4.340		
500.0	500.0	500.2	500.2	3.5	3.5	-90.95	-0.5	-30.0	30.0	23.0	6.97	4.304		
570.0	570.0	570.2	570.2	3.6	3.6	-90.95	-0.5	-30.0	30.0	22.9	7.12	4.215		
600.0	600.0	600.2	600.2	3.6	3.6	-90.95	-0.5	-30.0	30.0	22.8	7.18	4.176		
665.0	665.0	665.2	665.2	3.7	3.7	-90.95	-0.5	-30.0	30.0	22.7	7.32	4.100		
700.0	700.0	700.2	700.2	3.8	3.8	-90.95	-0.5	-30.0	30.0	22.6	7.39	4.059		
760.0	760.0	760.2	760.2	3.8	3.8	-90.95	-0.5	-30.0	30.0	22.5	7.51	3.994		
800.0	800.0	800.2	800.2	3.9	3.9	-90.95	-0.5	-30.0	30.0	22.4	7.59	3.951		
855.0	855.0	855.2	855.2	4.0	4.0	-90.95	-0.5	-30.0	30.0	22.3	7.70	3.896		
900.0	900.0	900.2	900.2	4.0	4.0	-90.95	-0.5	-30.0	30.0	22.2	7.79	3.851		
950.0	950.0	950.2	950.2	4.1	4.1	-90.95	-0.5	-30.0	30.0	22.1	7.89	3.805		
1,000.0	1,000.0	1,000.2	1,000.2	4.1	4.1	-90.95	-0.5	-30.0	30.0	22.0	7.98	3.759		
1,045.0	1,045.0	1,045.2	1,045.2	4.2	4.2	-90.95	-0.5	-30.0	30.0	21.9	8.07	3.720		
1,100.0	1,100.0	1,100.2	1,100.2	4.2	4.2	-90.95	-0.5	-30.0	30.0	21.8	8.17	3.673		
1,140.0	1,140.0	1,140.2	1,140.2	4.3	4.3	-90.95	-0.5	-30.0	30.0	21.8	8.24	3.640		
1,200.0	1,200.0	1,200.2	1,200.2	4.4	4.4	-90.95	-0.5	-30.0	30.0	21.7	8.35	3.592		
1,235.0	1,235.0	1,235.2	1,235.2	4.4	4.4	-90.95	-0.5	-30.0	30.0	21.6	8.42	3.565		
1,300.0	1,300.0	1,300.2	1,300.2	4.5	4.5	-90.95	-0.5	-30.0	30.0	21.5	8.53	3.517		
1,330.0	1,330.0	1,330.2	1,330.2	4.5	4.5	-90.95	-0.5	-30.0	30.0	21.4	8.58	3.495		
1,400.0	1,400.0	1,400.2	1,400.2	4.6	4.6	-90.95	-0.5	-30.0	30.0	21.3	8.71	3.446		
1,425.0	1,425.0	1,425.2	1,425.2	4.6	4.6	-90.95	-0.5	-30.0	30.0	21.3	8.75	3.429		
1,437.4	1,437.4	1,437.6	1,437.6	4.6	4.6	-90.95	-0.5	-30.0	30.0	21.2	8.77	3.421 CC		
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-90.95	-0.5	-30.0	30.0	21.1	8.88	3.379		
1,520.0	1,520.0	1,520.0	1,520.0	4.8	4.7	-64.18	-0.5	-30.1	30.0	21.1	8.93	3.362 ES, SF		
1,600.0	1,600.0	1,599.2	1,599.2	4.9	4.8	-65.66	0.2	-31.6	30.8	21.7	9.15	3.370		
1,615.0	1,615.0	1,614.1	1,614.1	4.9	4.9	-66.14	0.4	-32.1	31.1	21.9	9.21	3.376		
1,700.0	1,699.8	1,698.2	1,698.0	5.2	5.0	-69.82	2.3	-36.3	33.4	23.9	9.56	3.497		
1,710.0	1,709.8	1,708.1	1,707.9	5.2	5.1	-70.33	2.5	-36.9	33.8	24.2	9.60	3.521		
1,800.0	1,799.5	1,797.0	1,796.5	5.4	5.3	-75.41	5.7	-44.1	38.1	28.1	9.94	3.828		
1,805.0	1,804.4	1,801.9	1,801.4	5.5	5.3	-75.71	5.9	-44.6	38.3	28.4	9.96	3.850		
1,900.0	1,898.7	1,895.6	1,894.3	5.7	5.6	-81.20	10.5	-55.0	45.0	34.7	10.30	4.366		
1,995.0	1,992.5	1,988.9	1,986.5	6.0	5.9	-86.13	16.3	-68.1	53.8	43.2	10.64	5.061		
2,000.0	1,997.5	1,993.8	1,991.4	6.0	5.9	-86.36	16.6	-68.9	54.4	43.7	10.66	5.102		
2,090.0	2,085.8	2,081.9	2,077.9	6.4	6.2	-90.22	23.2	-83.9	64.9	54.0	10.98	5.916		
2,100.0	2,095.6	2,091.7	2,087.5	6.4	6.2	-90.60	24.0	-85.7	66.2	55.2	11.01	6.015		
2,125.2	2,120.2	2,116.3	2,111.5	6.4	6.3	-91.51	26.1	-90.4	69.6	58.5	11.08	6.284		
2,185.0	2,178.6	2,174.5	2,168.3	6.6	6.5	-93.19	31.3	-102.4	78.2	66.9	11.27	6.938		
2,200.0	2,193.3	2,189.1	2,182.5	6.6	6.6	-93.44	32.7	-105.5	80.5	69.1	11.32	7.109		
2,280.0	2,271.4	2,268.0	2,259.0	6.9	6.8	-94.36	40.4	-122.9	92.9	81.2	11.62	7.991		
2,300.0	2,290.9	2,287.7	2,278.2	6.9	6.9	-94.55	42.3	-127.3	96.0	84.3	11.70	8.205		
2,375.0	2,364.1	2,361.8	2,350.1	7.2	7.1	-95.16	49.5	-143.7	107.6	95.6	11.99	8.977		
2,400.0	2,388.5	2,386.5	2,374.0	7.3	7.2	-95.33	51.9	-149.2	111.5	99.4	12.09	9.226		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS						Rule Assigned:		Offset Well Error:		3.0 usft		
Measured	Reference	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)				
2,470.0	2,456.9	2,455.6	2,441.1	7.5	7.4	-95.77	58.7	-164.5	122.4	110.0	12.37	9.897		
2,500.0	2,486.2	2,485.3	2,469.9	7.6	7.5	-95.93	61.6	-171.1	127.1	114.6	12.49	10.175		
2,565.0	2,549.6	2,549.5	2,532.2	7.8	7.8	-96.24	67.8	-185.3	137.2	124.4	12.76	10.755		
2,600.0	2,583.8	2,584.1	2,565.7	7.9	7.9	-96.40	71.2	-192.9	142.6	129.7	12.90	11.057		
2,660.0	2,642.4	2,643.3	2,623.2	8.2	8.1	-96.63	77.0	-206.1	152.0	138.8	13.15	11.555		
2,700.0	2,681.4	2,682.8	2,661.5	8.3	8.3	-96.77	80.8	-214.8	158.2	144.9	13.32	11.876		
2,755.0	2,735.1	2,737.2	2,714.3	8.5	8.5	-96.95	86.1	-226.8	166.8	153.2	13.56	12.301		
2,800.0	2,779.0	2,781.6	2,757.4	8.7	8.7	-97.08	90.4	-236.7	173.8	160.0	13.75	12.637		
2,850.0	2,827.9	2,831.0	2,805.3	8.9	8.8	-97.21	95.2	-247.6	181.6	167.6	13.97	12.998		
2,900.0	2,876.7	2,880.4	2,853.2	9.1	9.0	-97.33	100.1	-258.5	189.4	175.2	14.19	13.346		
2,945.0	2,920.6	2,924.8	2,896.3	9.3	9.2	-97.44	104.4	-268.4	196.4	182.0	14.39	13.648		
3,000.0	2,974.3	2,979.1	2,949.1	9.5	9.4	-97.55	109.7	-280.4	205.0	190.3	14.64	14.005		
3,040.0	3,013.4	3,018.7	2,987.4	9.6	9.6	-97.63	113.5	-289.2	211.2	196.4	14.82	14.256		
3,100.0	3,071.9	3,077.9	3,044.9	9.9	9.8	-97.74	119.3	-302.3	220.6	205.5	15.09	14.619		
3,135.0	3,106.1	3,112.5	3,078.4	10.0	10.0	-97.80	122.7	-309.9	226.0	210.8	15.25	14.824		
3,200.0	3,169.6	3,176.7	3,140.7	10.3	10.3	-97.90	128.9	-324.2	236.2	220.6	15.55	15.192		
3,230.0	3,198.8	3,206.3	3,169.5	10.4	10.4	-97.94	131.8	-330.7	240.8	225.2	15.68	15.356		
3,300.0	3,267.2	3,275.5	3,236.6	10.7	10.7	-98.04	138.5	-346.0	251.8	235.8	16.01	15.727		
3,325.0	3,291.6	3,300.2	3,260.5	10.8	10.8	-98.07	140.9	-351.5	255.7	239.5	16.12	15.855		
3,400.0	3,364.8	3,374.2	3,332.4	11.1	11.1	-98.17	148.2	-367.9	267.4	250.9	16.48	16.227		
3,420.0	3,384.3	3,394.0	3,351.6	11.2	11.2	-98.19	150.1	-372.3	270.5	253.9	16.57	16.323		
3,500.0	3,462.4	3,473.0	3,428.3	11.6	11.5	-98.28	157.8	-389.8	283.0	266.0	16.95	16.695		
3,515.0	3,477.1	3,487.8	3,442.6	11.6	11.6	-98.29	159.2	-393.1	285.3	268.3	17.02	16.763		
3,600.0	3,560.1	3,571.8	3,524.1	12.0	12.0	-98.38	167.4	-411.7	298.6	281.1	17.43	17.134		
3,610.0	3,569.8	3,581.7	3,533.7	12.0	12.0	-98.39	168.4	-413.8	300.1	282.6	17.47	17.176		
3,700.0	3,657.7	3,670.6	3,619.9	12.4	12.4	-98.47	177.0	-433.5	314.2	296.3	17.91	17.545		
3,705.0	3,662.6	3,675.5	3,624.7	12.4	12.4	-98.47	177.5	-434.6	314.9	297.0	17.93	17.565		
3,800.0	3,755.3	3,769.3	3,715.8	12.9	12.8	-98.55	186.7	-455.4	329.8	311.4	18.39	17.932		
3,895.0	3,848.1	3,863.2	3,806.8	13.3	13.3	-98.62	195.8	-476.2	344.6	325.7	18.85	18.278		
3,900.0	3,853.0	3,868.1	3,811.6	13.3	13.3	-98.62	196.3	-477.3	345.4	326.5	18.88	18.295		
3,990.0	3,940.8	3,957.0	3,897.9	13.7	13.7	-98.69	204.9	-497.0	359.4	340.1	19.32	18.605		
4,000.0	3,950.6	3,966.9	3,907.5	13.7	13.7	-98.69	205.9	-499.1	361.0	341.6	19.37	18.638		
4,085.0	4,033.6	4,050.9	3,988.9	14.1	14.1	-98.74	214.1	-517.7	374.2	354.4	19.78	18.924		
4,088.3	4,036.8	4,054.1	3,992.1	14.1	14.1	-98.75	214.4	-518.5	374.7	354.9	19.79	18.935		
4,100.0	4,048.2	4,065.7	4,003.3	14.2	14.2	-98.79	215.5	-521.0	376.6	356.7	19.84	18.979		
4,180.0	4,126.6	4,144.7	4,080.0	14.5	14.5	-98.87	223.2	-538.5	388.8	368.6	20.24	19.212		
4,200.0	4,146.3	4,164.5	4,099.2	14.6	14.6	-98.83	225.1	-542.9	391.8	371.5	20.34	19.264		
4,275.0	4,220.2	4,238.6	4,171.1	15.0	15.0	-98.55	232.4	-559.3	403.0	382.2	20.72	19.448		
4,300.0	4,245.0	4,263.2	4,195.0	15.1	15.1	-98.40	234.8	-564.8	406.6	385.8	20.85	19.503		
4,370.0	4,314.4	4,332.3	4,262.0	15.4	15.4	-97.84	241.5	-580.1	416.7	395.5	21.21	19.646		
4,400.0	4,344.2	4,361.9	4,290.7	15.5	15.5	-97.54	244.4	-586.6	421.0	399.6	21.37	19.699		
4,465.0	4,408.9	4,425.8	4,352.7	15.8	15.8	-96.77	250.6	-600.8	430.2	408.5	21.72	19.807		
4,500.0	4,443.7	4,460.2	4,386.1	15.9	16.0	-96.30	254.0	-608.4	435.2	413.3	21.92	19.856		
4,560.0	4,503.6	4,519.0	4,443.2	16.2	16.3	-95.39	259.7	-621.4	443.7	421.4	22.26	19.934		
4,600.0	4,543.6	4,558.1	4,481.1	16.3	16.5	-94.72	263.5	-630.1	449.4	426.9	22.50	19.976		
4,655.0	4,598.5	4,611.8	4,533.2	16.5	16.7	-93.72	268.7	-641.9	457.3	434.4	22.83	20.029		
4,700.0	4,643.5	4,655.5	4,575.6	16.6	16.9	-92.85	273.0	-651.6	463.8	440.7	23.12	20.061		
4,713.5	4,657.0	4,668.6	4,588.3	16.6	17.0	-119.41	274.3	-654.5	465.8	442.6	23.20	20.078		
4,750.0	4,693.5	4,704.1	4,622.7	16.6	17.1	-118.57	277.7	-662.4	471.3	447.8	23.44	20.105		
4,800.0	4,743.5	4,752.6	4,669.8	16.6	17.4	-117.44	282.4	-673.1	478.9	455.1	23.78	20.142		
4,845.0	4,788.5	4,796.2	4,712.2	16.7	17.6	-116.46	286.7	-682.8	485.9	461.8	24.09	20.170		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
4,900.0	4,843.5	4,849.6	4,763.9	16.7	17.8	-115.30	291.9	-694.6	494.7	470.2	24.48	20.205	
4,940.0	4,883.5	4,888.4	4,801.6	16.7	18.0	-114.47	295.7	-703.2	501.2	476.4	24.77	20.231	
5,000.0	4,943.5	4,946.6	4,858.1	16.8	18.3	-113.28	301.3	-716.1	511.1	485.9	25.22	20.271	
5,035.0	4,978.5	4,980.6	4,891.0	16.8	18.4	-112.60	304.7	-723.6	517.0	491.6	25.48	20.296	
5,100.0	5,043.5	5,043.7	4,952.2	16.8	18.7	-111.39	310.8	-737.6	528.2	502.2	25.96	20.344	
5,130.0	5,073.5	5,072.8	4,980.5	16.8	18.9	-110.84	313.6	-744.0	533.4	507.2	26.19	20.368	
5,200.0	5,143.5	5,140.7	5,046.4	16.9	19.2	-109.61	320.3	-759.1	545.8	519.0	26.72	20.426	
5,225.0	5,168.5	5,164.9	5,069.9	16.9	19.3	-109.19	322.6	-764.4	550.2	523.3	26.91	20.448	
5,300.0	5,243.5	5,237.7	5,140.5	16.9	19.6	-107.95	329.7	-780.5	563.8	536.4	27.48	20.517	
5,320.0	5,263.5	5,257.1	5,159.4	16.9	19.7	-107.63	331.6	-784.8	567.5	539.9	27.63	20.536	
5,400.0	5,343.5	5,334.7	5,234.7	17.0	20.1	-106.38	339.2	-802.0	582.4	554.1	28.25	20.617	
5,415.0	5,358.5	5,349.3	5,248.8	17.0	20.2	-106.16	340.6	-805.3	585.2	556.8	28.36	20.633	
5,500.0	5,443.5	5,431.8	5,328.8	17.0	20.6	-104.91	348.6	-823.5	601.3	572.3	29.01	20.727	
5,510.0	5,453.5	5,441.5	5,338.3	17.0	20.6	-104.77	349.6	-825.7	603.2	574.1	29.09	20.738	
5,600.0	5,543.5	5,528.8	5,423.0	17.1	21.0	-103.53	358.1	-845.0	620.6	590.8	29.77	20.846	
5,605.0	5,548.5	5,533.7	5,427.7	17.1	21.1	-103.47	358.5	-846.1	621.5	591.7	29.81	20.852	
5,700.0	5,643.5	5,625.8	5,517.1	17.2	21.5	-102.23	367.5	-866.5	640.2	609.7	30.53	20.972	
5,795.0	5,738.5	5,718.0	5,606.6	17.2	21.9	-101.07	376.5	-886.9	659.1	627.9	31.24	21.100	
5,800.0	5,743.5	5,722.9	5,611.3	17.2	22.0	-101.01	377.0	-888.0	660.1	628.8	31.28	21.106	
5,890.0	5,833.5	5,810.2	5,696.0	17.3	22.4	-99.97	385.5	-907.3	678.3	646.3	31.94	21.233	
5,900.0	5,843.5	5,819.9	5,705.4	17.3	22.4	-99.86	386.4	-909.5	680.3	648.3	32.02	21.247	
5,985.0	5,928.5	5,902.4	5,785.5	17.3	22.8	-98.93	394.5	-927.7	697.7	665.0	32.65	21.371	
6,000.0	5,943.5	5,916.9	5,799.6	17.3	22.9	-98.78	395.9	-930.9	700.8	668.0	32.76	21.394	
6,080.0	6,023.5	5,994.5	5,874.9	17.4	23.3	-97.95	403.4	-948.1	717.3	684.0	33.34	21.514	
6,100.0	6,043.5	6,014.0	5,893.7	17.4	23.3	-97.75	405.3	-952.4	721.5	688.0	33.49	21.545	
6,175.0	6,118.5	6,086.7	5,964.3	17.4	23.7	-97.02	412.4	-968.5	737.1	703.1	34.03	21.661	
6,200.0	6,143.5	6,111.0	5,987.9	17.4	23.8	-96.78	414.8	-973.9	742.3	708.1	34.21	21.700	
6,270.0	6,213.5	6,178.9	6,053.8	17.5	24.1	-96.14	421.4	-989.0	757.1	722.4	34.71	21.811	
6,300.0	6,243.5	6,208.0	6,082.0	17.5	24.3	-95.87	424.2	-995.4	763.4	728.5	34.92	21.859	
6,365.0	6,308.5	6,271.1	6,143.2	17.5	24.6	-95.30	430.4	-1,009.4	777.2	741.9	35.39	21.964	
6,400.0	6,343.5	6,305.0	6,176.2	17.6	24.7	-95.00	433.7	-1,016.9	784.7	749.1	35.63	22.021	
6,460.0	6,403.5	6,363.3	6,232.7	17.6	25.0	-94.50	439.4	-1,029.8	797.6	761.5	36.06	22.119	
6,500.0	6,443.5	6,402.1	6,270.3	17.6	25.2	-94.18	443.1	-1,038.4	806.1	769.8	36.34	22.185	
6,555.0	6,498.5	6,455.4	6,322.1	17.6	25.5	-93.74	448.3	-1,050.2	818.0	781.3	36.72	22.279	
6,600.0	6,543.5	6,506.1	6,371.3	17.7	25.7	-93.35	453.2	-1,061.3	827.6	790.6	37.06	22.334	
6,650.0	6,593.5	6,572.1	6,435.6	17.7	26.0	-92.88	459.1	-1,074.7	837.6	800.1	37.48	22.349	
6,700.0	6,643.5	6,638.7	6,500.9	17.7	26.3	-92.48	464.4	-1,086.8	846.5	808.6	37.87	22.353	
6,745.0	6,688.5	6,699.1	6,560.4	17.8	26.6	-92.16	468.8	-1,096.6	853.7	815.5	38.20	22.348	
6,800.0	6,743.5	6,773.6	6,633.9	17.8	27.0	-91.82	473.4	-1,107.1	861.3	822.8	38.56	22.336	
6,840.0	6,783.5	6,828.1	6,688.0	17.8	27.2	-91.61	476.3	-1,113.7	866.1	827.3	38.80	22.320	
6,900.0	6,843.5	6,910.3	6,769.7	17.8	27.6	-91.36	479.8	-1,121.8	872.0	832.8	39.13	22.286	
6,935.0	6,878.5	6,958.5	6,817.8	17.9	27.7	-91.25	481.5	-1,125.5	874.7	835.4	39.28	22.267	
7,000.0	6,943.5	7,048.3	6,907.4	17.9	28.1	-91.10	483.7	-1,130.6	878.3	838.8	39.52	22.223	
7,030.0	6,973.5	7,089.9	6,948.9	17.9	28.2	-91.05	484.3	-1,132.0	879.3	839.7	39.61	22.199	
7,100.0	7,043.5	7,187.0	7,046.0	18.0	28.4	-91.02	484.9	-1,133.3	880.2	840.6	39.64	22.205	
7,104.5	7,048.1	7,193.2	7,052.2	18.0	28.4	-91.02	484.9	-1,133.3	880.2	840.6	39.64	22.205	
7,125.0	7,068.5	7,209.7	7,068.7	18.0	28.4	-91.02	484.9	-1,133.3	880.2	840.6	39.67	22.188	
7,200.0	7,143.5	7,284.7	7,143.7	18.0	28.4	-91.02	484.9	-1,133.3	880.2	840.5	39.75	22.142	
7,220.0	7,163.5	7,304.7	7,163.7	18.0	28.4	-91.02	484.9	-1,133.3	880.2	840.5	39.78	22.129	
7,300.0	7,243.5	7,384.7	7,243.7	18.1	28.4	-91.02	484.9	-1,133.3	880.2	840.4	39.87	22.080	
7,315.0	7,258.5	7,399.7	7,258.7	18.1	28.4	-91.02	484.9	-1,133.3	880.2	840.4	39.88	22.071	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
7,400.0	7,343.5	7,484.7	7,343.7	18.1	28.5	-91.02	484.9	-1,133.3	880.2	840.3	39.98	22.019	
7,410.0	7,353.5	7,494.7	7,353.7	18.2	28.5	-91.02	484.9	-1,133.3	880.2	840.3	39.99	22.013	
7,500.0	7,443.5	7,584.7	7,443.7	18.2	28.5	-91.02	484.9	-1,133.3	880.2	840.1	40.09	21.957	
7,505.0	7,448.5	7,589.7	7,448.7	18.2	28.5	-91.02	484.9	-1,133.3	880.2	840.1	40.09	21.954	
7,600.0	7,543.5	7,684.7	7,543.7	18.3	28.5	-91.02	484.9	-1,133.3	880.2	840.0	40.20	21.896	
7,695.0	7,638.5	7,779.7	7,638.7	18.3	28.6	-91.02	484.9	-1,133.3	880.2	839.9	40.31	21.839	
7,700.0	7,643.5	7,784.7	7,643.7	18.3	28.6	-91.02	484.9	-1,133.3	880.2	839.9	40.31	21.836	
7,790.0	7,733.5	7,874.7	7,733.7	18.4	28.6	-91.02	484.9	-1,133.3	880.2	839.8	40.41	21.781	
7,800.0	7,743.5	7,884.7	7,743.7	18.4	28.6	-91.02	484.9	-1,133.3	880.2	839.8	40.42	21.775	
7,885.0	7,828.5	7,969.7	7,828.7	18.4	28.6	-91.02	484.9	-1,133.3	880.2	839.7	40.52	21.724	
7,900.0	7,843.5	7,984.7	7,843.7	18.4	28.6	-91.02	484.9	-1,133.3	880.2	839.7	40.54	21.714	
7,980.0	7,923.5	8,064.7	7,923.7	18.5	28.7	-91.02	484.9	-1,133.3	880.2	839.6	40.63	21.666	
8,000.0	7,943.5	8,084.7	7,943.7	18.5	28.7	-91.02	484.9	-1,133.3	880.2	839.6	40.65	21.654	
8,075.0	8,018.5	8,159.7	8,018.7	18.6	28.7	-91.02	484.9	-1,133.3	880.2	839.5	40.73	21.609	
8,100.0	8,043.5	8,184.7	8,043.7	18.6	28.7	-91.02	484.9	-1,133.3	880.2	839.5	40.76	21.594	
8,170.0	8,113.5	8,254.7	8,113.7	18.6	28.7	-91.02	484.9	-1,133.3	880.2	839.4	40.84	21.552	
8,200.0	8,143.5	8,284.7	8,143.7	18.6	28.7	-91.02	484.9	-1,133.3	880.2	839.4	40.88	21.534	
8,265.0	8,208.5	8,349.7	8,208.7	18.7	28.7	-91.02	484.9	-1,133.3	880.2	839.3	40.95	21.496	
8,300.0	8,243.5	8,384.7	8,243.7	18.7	28.8	-91.02	484.9	-1,133.3	880.2	839.2	40.99	21.475	
8,360.0	8,303.5	8,444.7	8,303.7	18.7	28.8	-91.02	484.9	-1,133.3	880.2	839.2	41.06	21.439	
8,400.0	8,343.5	8,484.7	8,343.7	18.8	28.8	-91.02	484.9	-1,133.3	880.2	839.1	41.10	21.415	
8,455.0	8,398.5	8,539.7	8,398.7	18.8	28.8	-91.02	484.9	-1,133.3	880.2	839.1	41.17	21.383	
8,500.0	8,443.5	8,584.7	8,443.7	18.8	28.8	-91.02	484.9	-1,133.3	880.2	839.0	41.22	21.356	
8,550.0	8,493.5	8,634.7	8,493.7	18.8	28.8	-91.02	484.9	-1,133.3	880.2	839.0	41.27	21.327	
8,600.0	8,543.5	8,684.7	8,543.7	18.9	28.9	-91.02	484.9	-1,133.3	880.2	838.9	41.33	21.297	
8,645.0	8,588.5	8,729.7	8,588.7	18.9	28.9	-91.02	484.9	-1,133.3	880.2	838.9	41.38	21.271	
8,700.0	8,643.5	8,784.7	8,643.7	18.9	28.9	-91.02	484.9	-1,133.3	880.2	838.8	41.45	21.239	
8,740.0	8,683.5	8,824.7	8,683.7	19.0	28.9	-91.02	484.9	-1,133.3	880.2	838.7	41.49	21.215	
8,800.0	8,743.5	8,884.7	8,743.7	19.0	28.9	-91.02	484.9	-1,133.3	880.2	838.7	41.56	21.180	
8,835.0	8,778.5	8,919.7	8,778.7	19.0	28.9	-91.02	484.9	-1,133.3	880.2	838.6	41.60	21.160	
8,900.0	8,843.5	8,984.7	8,843.7	19.1	29.0	-91.02	484.9	-1,133.3	880.2	838.6	41.67	21.122	
8,930.0	8,873.5	9,014.7	8,873.7	19.1	29.0	-91.02	484.9	-1,133.3	880.2	838.5	41.71	21.104	
9,000.0	8,943.5	9,084.7	8,943.7	19.1	29.0	-91.02	484.9	-1,133.3	880.2	838.4	41.79	21.063	
9,025.0	8,968.5	9,109.7	8,968.7	19.1	29.0	-91.02	484.9	-1,133.3	880.2	838.4	41.82	21.049	
9,100.0	9,043.5	9,184.7	9,043.7	19.2	29.0	-91.02	484.9	-1,133.3	880.2	838.3	41.91	21.005	
9,120.0	9,063.5	9,204.7	9,063.7	19.2	29.0	-91.02	484.9	-1,133.3	880.2	838.3	41.93	20.994	
9,200.0	9,143.5	9,284.7	9,143.7	19.3	29.1	-91.02	484.9	-1,133.3	880.2	838.2	42.02	20.948	
9,215.0	9,158.5	9,299.7	9,158.7	19.3	29.1	-91.02	484.9	-1,133.3	880.2	838.2	42.03	20.943	
9,215.6	9,159.1	9,300.3	9,159.3	19.3	29.1	-91.02	484.9	-1,133.3	880.2	838.2	42.03	20.943	
9,239.5	9,183.0	9,323.6	9,182.6	19.3	29.1	-91.03	484.7	-1,133.3	880.2	838.2	42.04	20.937	
9,250.0	9,193.5	9,333.7	9,192.7	19.3	29.1	88.44	484.3	-1,133.3	880.3	838.2	42.04	20.937	
9,300.0	9,243.4	9,381.6	9,240.4	19.3	29.1	88.36	480.2	-1,133.3	880.3	838.2	42.05	20.933	
9,310.0	9,253.4	9,391.2	9,249.9	19.3	29.1	88.35	478.9	-1,133.4	880.3	838.2	42.05	20.933	
9,350.0	9,292.9	9,429.4	9,287.5	19.4	29.1	88.30	472.1	-1,133.4	880.3	838.3	42.06	20.929	
9,400.0	9,341.4	9,477.2	9,333.8	19.4	29.1	88.24	460.1	-1,133.5	880.3	838.3	42.07	20.926	
9,405.0	9,346.2	9,482.0	9,338.3	19.4	29.1	88.23	458.7	-1,133.5	880.3	838.3	42.07	20.925	
9,450.0	9,388.8	9,524.9	9,378.8	19.5	29.1	88.20	444.3	-1,133.7	880.4	838.3	42.08	20.921	
9,500.0	9,434.7	9,572.6	9,422.3	19.5	29.1	88.17	424.9	-1,133.8	880.4	838.3	42.09	20.916	
9,550.0	9,478.6	9,620.2	9,464.0	19.6	29.1	88.15	401.9	-1,134.0	880.4	838.3	42.10	20.910	
9,595.0	9,516.2	9,663.1	9,499.8	19.7	29.2	88.15	378.4	-1,134.2	880.4	838.3	42.12	20.903	
9,600.0	9,520.2	9,667.9	9,503.7	19.7	29.2	88.15	375.6	-1,134.3	880.4	838.3	42.12	20.902	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	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)	Separation (usft)		
9,650.0	9,559.3	9,715.5	9,541.0	19.7	29.2	88.16	346.0	-1,134.5	880.4	838.2	42.14	20.892	
9,690.0	9,588.5	9,753.6	9,569.1	19.8	29.2	88.18	320.2	-1,134.8	880.4	838.2	42.16	20.882	
9,700.0	9,595.5	9,763.2	9,575.8	19.8	29.2	88.18	313.4	-1,134.8	880.4	838.2	42.16	20.880	
9,750.0	9,628.6	9,810.9	9,607.8	19.8	29.2	88.22	278.1	-1,135.1	880.4	838.2	42.20	20.864	
9,785.0	9,649.8	9,844.3	9,628.4	19.9	29.2	88.25	251.8	-1,135.4	880.3	838.1	42.22	20.850	
9,800.0	9,658.3	9,858.6	9,636.7	19.9	29.2	88.27	240.1	-1,135.5	880.3	838.1	42.23	20.844	
9,850.0	9,684.4	9,906.4	9,662.4	20.0	29.3	88.33	199.8	-1,135.8	880.3	838.0	42.28	20.820	
9,880.0	9,698.2	9,935.1	9,676.2	20.0	29.3	88.37	174.6	-1,136.1	880.3	838.0	42.32	20.803	
9,900.0	9,706.7	9,954.3	9,684.7	20.0	29.3	88.41	157.5	-1,136.2	880.3	837.9	42.34	20.791	
9,950.0	9,724.9	10,002.3	9,703.5	20.0	29.3	88.49	113.3	-1,136.6	880.2	837.8	42.40	20.758	
9,975.0	9,732.5	10,026.3	9,711.4	20.1	29.4	88.54	90.6	-1,136.8	880.2	837.8	42.44	20.739	
10,000.0	9,739.1	10,050.0	9,718.3	20.1	29.4	88.59	68.0	-1,137.0	880.2	837.7	42.49	20.718	
10,050.0	9,749.0	10,098.6	9,729.6	20.1	29.4	88.70	20.7	-1,137.4	880.2	837.6	42.56	20.679	
10,070.0	9,751.8	10,117.9	9,732.9	20.1	29.4	88.74	1.7	-1,137.6	880.1	837.5	42.60	20.660	
10,100.0	9,754.6	10,147.0	9,736.7	20.1	29.5	88.82	-27.1	-1,137.8	880.1	837.5	42.66	20.632	
10,139.0	9,756.0	10,184.8	9,739.5	20.2	29.5	88.91	-64.8	-1,138.2	880.1	837.4	42.73	20.594	
10,162.2	9,756.0	10,207.4	9,740.0	20.2	29.5	88.94	-87.4	-1,138.4	880.1	837.3	42.79	20.568	
10,165.0	9,756.0	10,210.1	9,740.0	20.2	29.5	88.94	-90.1	-1,138.4	880.1	837.3	42.79	20.565	
10,200.0	9,756.0	10,245.1	9,740.0	20.2	29.6	88.94	-125.1	-1,138.7	880.1	837.2	42.87	20.527	
10,260.0	9,756.1	10,305.1	9,740.1	20.2	29.6	88.94	-185.1	-1,139.2	880.1	837.0	43.04	20.450	
10,300.0	9,756.1	10,345.1	9,740.1	20.2	29.7	88.94	-225.1	-1,139.6	880.1	836.9	43.15	20.395	
10,355.0	9,756.2	10,400.1	9,740.1	20.3	29.8	88.94	-280.1	-1,140.1	880.1	836.7	43.33	20.310	
10,400.0	9,756.2	10,445.1	9,740.1	20.3	29.8	88.94	-325.1	-1,140.5	880.1	836.6	43.49	20.237	
10,450.0	9,756.2	10,495.1	9,740.2	20.3	29.9	88.94	-375.1	-1,140.9	880.1	836.4	43.68	20.149	
10,500.0	9,756.3	10,545.1	9,740.2	20.3	30.0	88.94	-425.1	-1,141.4	880.1	836.2	43.88	20.058	
10,545.0	9,756.3	10,590.1	9,740.2	20.4	30.0	88.94	-470.1	-1,141.8	880.1	836.0	44.07	19.969	
10,600.0	9,756.4	10,645.1	9,740.2	20.4	30.1	88.94	-525.1	-1,142.3	880.1	835.8	44.32	19.858	
10,640.0	9,756.4	10,685.1	9,740.3	20.4	30.2	88.94	-565.1	-1,142.6	880.1	835.6	44.51	19.771	
10,700.0	9,756.4	10,745.1	9,740.3	20.5	30.3	88.93	-625.1	-1,143.2	880.1	835.3	44.81	19.640	
10,735.0	9,756.5	10,780.1	9,740.3	20.5	30.4	88.93	-660.1	-1,143.5	880.1	835.1	45.00	19.558	
10,800.0	9,756.5	10,845.1	9,740.3	20.6	30.5	88.93	-725.1	-1,144.0	880.1	834.7	45.35	19.406	
10,830.0	9,756.5	10,875.1	9,740.4	20.6	30.6	88.93	-755.1	-1,144.3	880.1	834.6	45.53	19.332	
10,900.0	9,756.6	10,945.1	9,740.4	20.7	30.7	88.93	-825.1	-1,144.9	880.1	834.1	45.94	19.158	
10,925.0	9,756.6	10,970.1	9,740.4	20.7	30.8	88.93	-850.1	-1,145.2	880.1	834.0	46.09	19.093	
11,000.0	9,756.7	11,045.1	9,740.4	20.8	30.9	88.93	-925.1	-1,145.8	880.1	833.5	46.57	18.898	
11,020.0	9,756.7	11,065.1	9,740.5	20.9	31.0	88.93	-945.1	-1,146.0	880.1	833.4	46.70	18.845	
11,100.0	9,756.8	11,145.1	9,740.5	21.0	31.2	88.93	-1,025.1	-1,146.7	880.1	832.8	47.24	18.629	
11,115.0	9,756.8	11,160.1	9,740.5	21.0	31.2	88.93	-1,040.1	-1,146.8	880.1	832.7	47.35	18.588	
11,200.0	9,756.8	11,245.1	9,740.5	21.2	31.4	88.93	-1,125.1	-1,147.6	880.1	832.1	47.95	18.353	
11,210.0	9,756.8	11,255.1	9,740.6	21.2	31.5	88.93	-1,135.1	-1,147.7	880.1	832.1	48.03	18.324	
11,300.0	9,756.9	11,345.1	9,740.6	21.4	31.7	88.92	-1,225.1	-1,148.5	880.1	831.4	48.70	18.070	
11,305.0	9,756.9	11,350.1	9,740.6	21.4	31.7	88.92	-1,230.1	-1,148.5	880.1	831.3	48.74	18.056	
11,400.0	9,757.0	11,445.1	9,740.7	21.6	32.0	88.92	-1,325.1	-1,149.4	880.1	830.6	49.49	17.783	
11,495.0	9,757.1	11,540.1	9,740.7	21.8	32.3	88.92	-1,420.1	-1,150.2	880.1	829.8	50.27	17.508	
11,500.0	9,757.1	11,545.1	9,740.7	21.8	32.3	88.92	-1,425.1	-1,150.3	880.1	829.8	50.31	17.494	
11,590.0	9,757.1	11,635.1	9,740.8	22.1	32.5	88.92	-1,515.1	-1,151.1	880.1	829.0	51.08	17.231	
11,600.0	9,757.2	11,645.1	9,740.8	22.1	32.6	88.92	-1,525.1	-1,151.1	880.1	828.9	51.16	17.202	
11,685.0	9,757.2	11,730.1	9,740.8	22.4	32.8	88.92	-1,610.1	-1,151.9	880.1	828.2	51.91	16.954	
11,700.0	9,757.2	11,745.1	9,740.8	22.5	32.9	88.92	-1,625.1	-1,152.0	880.1	828.1	52.04	16.911	
11,780.0	9,757.3	11,825.1	9,740.9	22.7	33.2	88.92	-1,705.1	-1,152.7	880.1	827.3	52.77	16.678	
11,800.0	9,757.3	11,845.1	9,740.9	22.8	33.2	88.92	-1,725.1	-1,152.9	880.1	827.1	52.95	16.620	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error: 0.0 usft			
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												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			
11,875.0	9,757.4	11,920.1	9,740.9	23.1	33.5	88.91	-1,800.1	-1,153.6	880.1	826.4	53.66	16.403			
11,900.0	9,757.4	11,945.1	9,740.9	23.2	33.6	88.91	-1,825.1	-1,153.8	880.1	826.2	53.89	16.331			
11,970.0	9,757.5	12,015.1	9,741.0	23.5	33.8	88.91	-1,895.1	-1,154.4	880.1	825.5	54.56	16.130			
12,000.0	9,757.5	12,045.1	9,741.0	23.6	33.9	88.91	-1,925.1	-1,154.7	880.1	825.2	54.86	16.044			
12,065.0	9,757.5	12,110.1	9,741.0	23.9	34.2	88.91	-1,990.1	-1,155.3	880.1	824.6	55.50	15.859			
12,100.0	9,757.6	12,145.1	9,741.0	24.1	34.3	88.91	-2,025.1	-1,155.6	880.1	824.3	55.84	15.760			
12,160.0	9,757.6	12,205.1	9,741.1	24.4	34.5	88.91	-2,085.0	-1,156.1	880.1	823.7	56.45	15.592			
12,200.0	9,757.6	12,245.1	9,741.1	24.6	34.7	88.91	-2,125.0	-1,156.5	880.1	823.2	56.85	15.480			
12,255.0	9,757.7	12,300.1	9,741.1	24.9	34.9	88.91	-2,180.0	-1,157.0	880.1	822.7	57.42	15.328			
12,300.0	9,757.7	12,345.1	9,741.1	25.1	35.1	88.91	-2,225.0	-1,157.4	880.1	822.2	57.89	15.204			
12,350.0	9,757.8	12,395.1	9,741.2	25.4	35.3	88.91	-2,275.0	-1,157.8	880.1	821.7	58.41	15.067			
12,400.0	9,757.8	12,445.1	9,741.2	25.6	35.5	88.91	-2,325.0	-1,158.2	880.1	821.2	58.94	14.932			
12,445.0	9,757.8	12,490.1	9,741.2	25.9	35.7	88.90	-2,370.0	-1,158.6	880.1	820.7	59.42	14.811			
12,500.0	9,757.9	12,545.1	9,741.2	26.2	35.9	88.90	-2,425.0	-1,159.1	880.1	820.1	60.01	14.665			
12,540.0	9,757.9	12,585.1	9,741.3	26.4	36.1	88.90	-2,465.0	-1,159.5	880.1	819.7	60.45	14.560			
12,600.0	9,757.9	12,645.1	9,741.3	26.7	36.3	88.90	-2,525.0	-1,160.0	880.1	819.0	61.10	14.403			
12,635.0	9,758.0	12,680.1	9,741.3	26.9	36.5	88.90	-2,560.0	-1,160.3	880.1	818.6	61.49	14.313			
12,700.0	9,758.0	12,745.1	9,741.3	27.3	36.8	88.90	-2,625.0	-1,160.9	880.1	817.9	62.21	14.147			
12,730.0	9,758.1	12,775.1	9,741.4	27.5	36.9	88.90	-2,655.0	-1,161.2	880.1	817.6	62.55	14.071			
12,800.0	9,758.1	12,845.1	9,741.4	27.9	37.2	88.90	-2,725.0	-1,161.8	880.1	816.8	63.34	13.895			
12,825.0	9,758.1	12,870.1	9,741.4	28.1	37.3	88.90	-2,750.0	-1,162.0	880.1	816.5	63.62	13.833			
12,900.0	9,758.2	12,945.1	9,741.4	28.5	37.7	88.90	-2,825.0	-1,162.7	880.1	815.6	64.48	13.649			
12,920.0	9,758.2	12,965.1	9,741.5	28.7	37.8	88.90	-2,845.0	-1,162.9	880.1	815.4	64.71	13.601			
13,000.0	9,758.3	13,045.1	9,741.5	29.1	38.2	88.90	-2,925.0	-1,163.6	880.1	814.5	65.64	13.409			
13,015.0	9,758.3	13,060.1	9,741.5	29.2	38.2	88.90	-2,940.0	-1,163.7	880.1	814.3	65.81	13.373			
13,100.0	9,758.3	13,145.1	9,741.6	29.8	38.6	88.89	-3,025.0	-1,164.5	880.1	813.3	66.81	13.174			
13,110.0	9,758.4	13,155.1	9,741.6	29.8	38.7	88.89	-3,035.0	-1,164.6	880.1	813.2	66.92	13.151			
13,200.0	9,758.4	13,245.1	9,741.6	30.4	39.1	88.89	-3,125.0	-1,165.4	880.1	812.1	67.99	12.945			
13,205.0	9,758.4	13,250.1	9,741.6	30.4	39.1	88.89	-3,130.0	-1,165.4	880.1	812.1	68.05	12.933			
13,300.0	9,758.5	13,345.1	9,741.7	31.1	39.6	88.89	-3,225.0	-1,166.2	880.1	810.9	69.19	12.721			
13,395.0	9,758.6	13,440.1	9,741.7	31.7	40.1	88.89	-3,320.0	-1,167.1	880.1	809.8	70.34	12.513			
13,400.0	9,758.6	13,445.1	9,741.7	31.7	40.1	88.89	-3,325.0	-1,167.1	880.1	809.7	70.40	12.502			
13,490.0	9,758.7	13,535.1	9,741.8	32.3	40.6	88.89	-3,415.0	-1,167.9	880.1	808.6	71.49	12.310			
13,500.0	9,758.7	13,545.1	9,741.8	32.4	40.6	88.89	-3,425.0	-1,168.0	880.1	808.5	71.62	12.289			
13,585.0	9,758.7	13,630.1	9,741.8	32.9	41.1	88.89	-3,510.0	-1,168.8	880.1	807.5	72.66	12.112			
13,600.0	9,758.7	13,645.1	9,741.8	33.0	41.2	88.89	-3,525.0	-1,168.9	880.1	807.3	72.85	12.082			
13,680.0	9,758.8	13,725.1	9,741.9	33.6	41.6	88.88	-3,605.0	-1,169.6	880.1	806.3	73.84	11.919			
13,700.0	9,758.8	13,745.1	9,741.9	33.7	41.7	88.88	-3,625.0	-1,169.8	880.1	806.0	74.09	11.879			
13,775.0	9,758.9	13,820.1	9,741.9	34.2	42.1	88.88	-3,700.0	-1,170.5	880.1	805.1	75.03	11.731			
13,800.0	9,758.9	13,845.1	9,741.9	34.4	42.2	88.88	-3,725.0	-1,170.7	880.1	804.8	75.34	11.682			
13,870.0	9,759.0	13,915.1	9,742.0	34.8	42.6	88.88	-3,795.0	-1,171.3	880.1	803.9	76.22	11.546			
13,900.0	9,759.0	13,945.1	9,742.0	35.0	42.8	88.88	-3,825.0	-1,171.6	880.1	803.5	76.60	11.489			
13,965.0	9,759.0	14,010.1	9,742.0	35.5	43.1	88.88	-3,890.0	-1,172.1	880.1	802.7	77.43	11.367			
14,000.0	9,759.1	14,045.1	9,742.0	35.7	43.3	88.88	-3,925.0	-1,172.5	880.1	802.2	77.87	11.302			
14,060.0	9,759.1	14,105.1	9,742.1	36.1	43.6	88.88	-3,985.0	-1,173.0	880.1	801.5	78.64	11.192			
14,100.0	9,759.1	14,145.1	9,742.1	36.4	43.9	88.88	-4,025.0	-1,173.3	880.1	801.0	79.15	11.119			
14,155.0	9,759.2	14,200.1	9,742.1	36.8	44.2	88.88	-4,080.0	-1,173.8	880.1	800.3	79.86	11.021			
14,200.0	9,759.2	14,245.1	9,742.1	37.1	44.4	88.87	-4,125.0	-1,174.2	880.1	799.7	80.44	10.941			
14,250.0	9,759.3	14,295.1	9,742.2	37.4	44.7	88.87	-4,175.0	-1,174.7	880.1	799.0	81.09	10.854			
14,300.0	9,759.3	14,345.1	9,742.2	37.8	45.0	88.87	-4,225.0	-1,175.1	880.1	798.4	81.74	10.768			
14,345.0	9,759.3	14,390.1	9,742.2	38.1	45.3	88.87	-4,270.0	-1,175.5	880.1	797.8	82.32	10.691			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 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)		
14,400.0	9,759.4	14,445.1	9,742.2	38.5	45.6	88.87	-4,325.0	-1,176.0	880.1	797.1	83.04	10.599
14,440.0	9,759.4	14,485.1	9,742.3	38.8	45.8	88.87	-4,365.0	-1,176.4	880.1	796.6	83.56	10.532
14,500.0	9,759.5	14,545.1	9,742.3	39.2	46.2	88.87	-4,425.0	-1,176.9	880.1	795.8	84.35	10.434
14,535.0	9,759.5	14,580.1	9,742.3	39.4	46.4	88.87	-4,460.0	-1,177.2	880.1	795.3	84.81	10.377
14,600.0	9,759.5	14,645.1	9,742.3	39.9	46.7	88.87	-4,525.0	-1,177.8	880.1	794.5	85.67	10.274
14,630.0	9,759.6	14,675.1	9,742.4	40.1	46.9	88.87	-4,555.0	-1,178.0	880.1	794.1	86.07	10.226
14,700.0	9,759.6	14,745.1	9,742.4	40.6	47.3	88.87	-4,624.9	-1,178.7	880.1	793.1	86.99	10.117
14,725.0	9,759.6	14,770.1	9,742.4	40.8	47.5	88.87	-4,649.9	-1,178.9	880.1	792.8	87.32	10.079
14,800.0	9,759.7	14,845.1	9,742.5	41.3	47.9	88.86	-4,724.9	-1,179.6	880.1	791.8	88.32	9.965
14,820.0	9,759.7	14,865.1	9,742.5	41.4	48.1	88.86	-4,744.9	-1,179.7	880.1	791.5	88.59	9.935
14,900.0	9,759.8	14,945.1	9,742.5	42.0	48.5	88.86	-4,824.9	-1,180.4	880.1	790.5	89.66	9.816
14,915.0	9,759.8	14,960.1	9,742.5	42.1	48.6	88.86	-4,839.9	-1,180.6	880.1	790.3	89.86	9.794
15,000.0	9,759.9	15,045.1	9,742.6	42.7	49.1	88.86	-4,924.9	-1,181.3	880.1	789.1	91.00	9.672
15,010.0	9,759.9	15,055.1	9,742.6	42.8	49.2	88.86	-4,934.9	-1,181.4	880.1	789.0	91.14	9.657
15,100.0	9,759.9	15,145.1	9,742.6	43.4	49.8	88.86	-5,024.9	-1,182.2	880.1	787.8	92.35	9.531
15,105.0	9,759.9	15,150.1	9,742.6	43.5	49.8	88.86	-5,029.9	-1,182.3	880.1	787.7	92.42	9.524
15,200.0	9,760.0	15,245.1	9,742.7	44.1	50.4	88.86	-5,124.9	-1,183.1	880.1	786.4	93.70	9.393
15,295.0	9,760.1	15,340.1	9,742.7	44.8	51.0	88.86	-5,219.9	-1,184.0	880.1	785.1	94.99	9.265
15,300.0	9,760.1	15,345.1	9,742.7	44.8	51.0	88.86	-5,224.9	-1,184.0	880.1	785.1	95.06	9.259
15,390.0	9,760.2	15,435.1	9,742.8	45.5	51.6	88.85	-5,314.9	-1,184.8	880.1	783.9	96.29	9.141
15,400.0	9,760.2	15,445.1	9,742.8	45.6	51.6	88.85	-5,324.9	-1,184.9	880.1	783.7	96.42	9.128
15,485.0	9,760.2	15,530.1	9,742.8	46.2	52.2	88.85	-5,409.9	-1,185.6	880.1	782.6	97.59	9.019
15,500.0	9,760.2	15,545.1	9,742.8	46.3	52.2	88.85	-5,424.9	-1,185.8	880.1	782.3	97.79	9.000
15,580.0	9,760.3	15,625.1	9,742.9	46.9	52.8	88.85	-5,504.9	-1,186.5	880.1	781.3	98.89	8.900
15,600.0	9,760.3	15,645.1	9,742.9	47.0	52.9	88.85	-5,524.9	-1,186.7	880.1	781.0	99.16	8.876
15,675.0	9,760.4	15,720.1	9,742.9	47.5	53.4	88.85	-5,599.9	-1,187.3	880.1	779.9	100.20	8.784
15,700.0	9,760.4	15,745.1	9,742.9	47.7	53.5	88.85	-5,624.9	-1,187.5	880.1	779.6	100.54	8.754
15,770.0	9,760.5	15,815.1	9,743.0	48.2	54.0	88.85	-5,694.9	-1,188.2	880.1	778.6	101.51	8.671
15,800.0	9,760.5	15,845.1	9,743.0	48.4	54.2	88.85	-5,724.9	-1,188.4	880.1	778.2	101.92	8.636
15,865.0	9,760.5	15,910.1	9,743.0	48.9	54.6	88.85	-5,789.9	-1,189.0	880.1	777.3	102.82	8.560
15,900.0	9,760.6	15,945.1	9,743.0	49.2	54.8	88.85	-5,824.9	-1,189.3	880.1	776.8	103.31	8.520
15,960.0	9,760.6	16,005.1	9,743.1	49.6	55.2	88.84	-5,884.9	-1,189.9	880.1	776.0	104.14	8.452
16,000.0	9,760.6	16,045.1	9,743.1	49.9	55.4	88.84	-5,924.9	-1,190.2	880.1	775.5	104.69	8.407
16,055.0	9,760.7	16,100.1	9,743.1	50.3	55.8	88.84	-5,979.9	-1,190.7	880.1	774.7	105.46	8.346
16,100.0	9,760.7	16,145.1	9,743.1	50.6	56.1	88.84	-6,024.9	-1,191.1	880.1	774.1	106.09	8.297
16,150.0	9,760.8	16,195.1	9,743.2	51.0	56.4	88.84	-6,074.9	-1,191.5	880.1	773.4	106.78	8.242
16,200.0	9,760.8	16,245.1	9,743.2	51.4	56.7	88.84	-6,124.9	-1,192.0	880.1	772.7	107.48	8.189
16,245.0	9,760.8	16,290.1	9,743.2	51.7	57.0	88.84	-6,169.9	-1,192.4	880.1	772.0	108.11	8.141
16,300.0	9,760.9	16,345.1	9,743.2	52.1	57.4	88.84	-6,224.9	-1,192.9	880.1	771.3	108.88	8.084
16,340.0	9,760.9	16,385.1	9,743.3	52.4	57.7	88.84	-6,264.9	-1,193.2	880.2	770.7	109.44	8.042
16,400.0	9,761.0	16,445.1	9,743.3	52.8	58.1	88.84	-6,324.9	-1,193.8	880.2	769.9	110.28	7.981
16,435.0	9,761.0	16,480.1	9,743.3	53.1	58.3	88.84	-6,359.9	-1,194.1	880.2	769.4	110.78	7.945
16,500.0	9,761.0	16,545.1	9,743.4	53.5	58.7	88.84	-6,424.9	-1,194.7	880.2	768.5	111.69	7.880
16,530.0	9,761.1	16,575.1	9,743.4	53.8	58.9	88.83	-6,454.9	-1,194.9	880.2	768.0	112.11	7.851
16,600.0	9,761.1	16,645.1	9,743.4	54.3	59.4	88.83	-6,524.9	-1,195.5	880.2	767.1	113.10	7.782
16,625.0	9,761.1	16,670.1	9,743.4	54.5	59.5	88.83	-6,549.9	-1,195.8	880.2	766.7	113.45	7.758
16,700.0	9,761.2	16,745.1	9,743.5	55.0	60.0	88.83	-6,624.9	-1,196.4	880.2	765.6	114.51	7.686
16,720.0	9,761.2	16,765.1	9,743.5	55.2	60.2	88.83	-6,644.9	-1,196.6	880.2	765.4	114.79	7.667
16,800.0	9,761.3	16,845.1	9,743.5	55.7	60.7	88.83	-6,724.9	-1,197.3	880.2	764.2	115.93	7.592
16,815.0	9,761.3	16,860.1	9,743.5	55.9	60.8	88.83	-6,739.9	-1,197.4	880.2	764.0	116.14	7.579
16,900.0	9,761.4	16,945.1	9,743.6	56.5	61.4	88.83	-6,824.9	-1,198.2	880.2	762.8	117.34	7.501

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 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)		
16,910.0	9,761.4	16,955.1	9,743.6	56.6	61.5	88.83	-6,834.9	-1,198.3	880.2	762.7	117.49	7.492
17,000.0	9,761.4	17,045.1	9,743.6	57.2	62.1	88.83	-6,924.9	-1,199.1	880.2	761.4	118.76	7.411
17,005.0	9,761.4	17,050.1	9,743.6	57.3	62.1	88.83	-6,929.9	-1,199.1	880.2	761.3	118.83	7.407
17,100.0	9,761.5	17,145.1	9,743.7	58.0	62.7	88.83	-7,024.9	-1,200.0	880.2	760.0	120.19	7.323
17,195.0	9,761.6	17,240.1	9,743.7	58.7	63.4	88.82	-7,119.8	-1,200.8	880.2	758.6	121.54	7.242
17,200.0	9,761.6	17,245.1	9,743.7	58.7	63.4	88.82	-7,124.8	-1,200.9	880.2	758.5	121.61	7.237
17,290.0	9,761.7	17,335.1	9,743.8	59.4	64.0	88.82	-7,214.8	-1,201.7	880.2	757.3	122.90	7.162
17,300.0	9,761.7	17,345.1	9,743.8	59.4	64.1	88.82	-7,224.8	-1,201.8	880.2	757.1	123.04	7.154
17,385.0	9,761.7	17,430.1	9,743.8	60.1	64.7	88.82	-7,309.8	-1,202.5	880.2	755.9	124.25	7.084
17,400.0	9,761.8	17,445.1	9,743.8	60.2	64.8	88.82	-7,324.8	-1,202.6	880.2	755.7	124.47	7.071
17,480.0	9,761.8	17,525.1	9,743.9	60.8	65.3	88.82	-7,404.8	-1,203.4	880.2	754.5	125.61	7.007
17,500.0	9,761.8	17,545.1	9,743.9	60.9	65.5	88.82	-7,424.8	-1,203.5	880.2	754.3	125.90	6.991
17,575.0	9,761.9	17,620.1	9,743.9	61.5	66.0	88.82	-7,499.8	-1,204.2	880.2	753.2	126.98	6.932
17,600.0	9,761.9	17,645.1	9,743.9	61.6	66.1	88.82	-7,524.8	-1,204.4	880.2	752.8	127.34	6.912
17,670.0	9,762.0	17,715.1	9,744.0	62.2	66.6	88.82	-7,594.8	-1,205.0	880.2	751.8	128.34	6.858
17,700.0	9,762.0	17,745.1	9,744.0	62.4	66.8	88.81	-7,624.8	-1,205.3	880.2	751.4	128.77	6.835
17,765.0	9,762.0	17,810.1	9,744.0	62.9	67.3	88.81	-7,689.8	-1,205.9	880.2	750.5	129.71	6.786
17,800.0	9,762.1	17,845.1	9,744.0	63.1	67.5	88.81	-7,724.8	-1,206.2	880.2	750.0	130.21	6.760
17,860.0	9,762.1	17,905.1	9,744.1	63.6	67.9	88.81	-7,784.8	-1,206.7	880.2	749.1	131.08	6.715
17,900.0	9,762.1	17,945.1	9,744.1	63.9	68.2	88.81	-7,824.8	-1,207.1	880.2	748.5	131.65	6.686
17,955.0	9,762.2	18,000.1	9,744.1	64.3	68.6	88.81	-7,879.8	-1,207.6	880.2	747.7	132.44	6.646
18,000.0	9,762.2	18,045.1	9,744.1	64.6	68.9	88.81	-7,924.8	-1,208.0	880.2	747.1	133.09	6.613
18,050.0	9,762.3	18,095.1	9,744.2	65.0	69.2	88.81	-7,974.8	-1,208.4	880.2	746.4	133.82	6.577
18,100.0	9,762.3	18,145.1	9,744.2	65.4	69.6	88.81	-8,024.8	-1,208.9	880.2	745.6	134.54	6.542
18,145.0	9,762.3	18,190.1	9,744.2	65.7	69.9	88.81	-8,069.8	-1,209.3	880.2	745.0	135.19	6.511
18,200.0	9,762.4	18,245.1	9,744.3	66.1	70.3	88.81	-8,124.8	-1,209.7	880.2	744.2	135.98	6.473
18,240.0	9,762.4	18,285.1	9,744.3	66.4	70.6	88.81	-8,164.8	-1,210.1	880.2	743.6	136.56	6.445
18,300.0	9,762.5	18,345.1	9,744.3	66.8	71.0	88.80	-8,224.8	-1,210.6	880.2	742.7	137.43	6.404
18,335.0	9,762.5	18,380.1	9,744.3	67.1	71.2	88.80	-8,259.8	-1,210.9	880.2	742.2	137.94	6.381
18,400.0	9,762.5	18,445.1	9,744.4	67.6	71.7	88.80	-8,324.8	-1,211.5	880.2	741.3	138.88	6.338
18,430.0	9,762.6	18,475.1	9,744.4	67.8	71.9	88.80	-8,354.8	-1,211.8	880.2	740.9	139.32	6.318
18,500.0	9,762.6	18,545.1	9,744.4	68.3	72.4	88.80	-8,424.8	-1,212.4	880.2	739.8	140.33	6.272
18,525.0	9,762.6	18,570.1	9,744.4	68.5	72.6	88.80	-8,449.8	-1,212.6	880.2	739.5	140.70	6.256
18,600.0	9,762.7	18,645.1	9,744.5	69.1	73.1	88.80	-8,524.8	-1,213.3	880.2	738.4	141.79	6.208
18,620.0	9,762.7	18,665.1	9,744.5	69.2	73.2	88.80	-8,544.8	-1,213.5	880.2	738.1	142.08	6.195
18,700.0	9,762.8	18,745.1	9,744.5	69.8	73.8	88.80	-8,624.8	-1,214.2	880.2	736.9	143.24	6.145
18,715.0	9,762.8	18,760.1	9,744.5	69.9	73.9	88.80	-8,639.8	-1,214.3	880.2	736.7	143.46	6.135
18,800.0	9,762.9	18,845.1	9,744.6	70.6	74.5	88.80	-8,724.8	-1,215.1	880.2	735.5	144.70	6.083
18,810.0	9,762.9	18,855.1	9,744.6	70.6	74.6	88.80	-8,734.8	-1,215.2	880.2	735.3	144.84	6.077
18,900.0	9,762.9	18,945.1	9,744.6	71.3	75.2	88.79	-8,824.8	-1,216.0	880.2	734.0	146.15	6.022
18,905.0	9,762.9	18,950.1	9,744.6	71.4	75.2	88.79	-8,829.8	-1,216.0	880.2	734.0	146.23	6.019
19,000.0	9,763.0	19,045.1	9,744.7	72.1	75.9	88.79	-8,924.8	-1,216.8	880.2	732.6	147.61	5.963
19,095.0	9,763.1	19,140.1	9,744.7	72.8	76.6	88.79	-9,019.8	-1,217.7	880.2	731.2	149.00	5.907
19,100.0	9,763.1	19,145.1	9,744.7	72.8	76.6	88.79	-9,024.8	-1,217.7	880.2	731.1	149.07	5.904
19,190.0	9,763.2	19,235.1	9,744.8	73.5	77.2	88.79	-9,114.8	-1,218.5	880.2	729.8	150.39	5.853
19,200.0	9,763.2	19,245.1	9,744.8	73.6	77.3	88.79	-9,124.8	-1,218.6	880.2	729.7	150.53	5.847
19,285.0	9,763.2	19,330.1	9,744.8	74.2	77.9	88.79	-9,209.8	-1,219.4	880.2	728.4	151.78	5.799
19,300.0	9,763.3	19,345.1	9,744.8	74.3	78.0	88.79	-9,224.8	-1,219.5	880.2	728.2	152.00	5.791
19,380.0	9,763.3	19,425.1	9,744.9	74.9	78.6	88.79	-9,304.8	-1,220.2	880.2	727.0	153.17	5.747
19,400.0	9,763.3	19,445.1	9,744.9	75.1	78.7	88.79	-9,324.8	-1,220.4	880.2	726.7	153.46	5.736
19,475.0	9,763.4	19,520.1	9,744.9	75.6	79.3	88.78	-9,399.8	-1,221.1	880.2	725.6	154.56	5.695

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Reference	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)		
19,500.0	9,763.4	19,545.1	9,744.9	75.8	79.4	88.78	-9,424.8	-1,221.3	880.2	725.3	154.92	5.681	
19,570.0	9,763.5	19,615.1	9,745.0	76.3	79.9	88.78	-9,494.8	-1,221.9	880.2	724.2	155.95	5.644	
19,600.0	9,763.5	19,645.1	9,745.0	76.6	80.1	88.78	-9,524.8	-1,222.2	880.2	723.8	156.39	5.628	
19,665.0	9,763.5	19,710.1	9,745.0	77.0	80.6	88.78	-9,589.8	-1,222.8	880.2	722.8	157.34	5.594	
19,700.0	9,763.6	19,745.1	9,745.0	77.3	80.9	88.78	-9,624.8	-1,223.1	880.2	722.3	157.86	5.576	
19,760.0	9,763.6	19,805.1	9,745.1	77.8	81.3	88.78	-9,684.7	-1,223.6	880.2	721.5	158.74	5.545	
19,800.0	9,763.7	19,845.1	9,745.1	78.1	81.6	88.78	-9,724.7	-1,224.0	880.2	720.9	159.33	5.524	
19,855.0	9,763.7	19,900.1	9,745.1	78.5	82.0	88.78	-9,779.7	-1,224.4	880.2	720.1	160.14	5.497	
19,900.0	9,763.7	19,945.1	9,745.2	78.8	82.3	88.78	-9,824.7	-1,224.8	880.2	719.4	160.80	5.474	
19,950.0	9,763.8	19,995.1	9,745.2	79.2	82.6	88.78	-9,874.7	-1,225.3	880.2	718.7	161.53	5.449	
20,000.0	9,763.8	20,045.1	9,745.2	79.6	83.0	88.78	-9,924.7	-1,225.7	880.2	717.9	162.27	5.424	
20,045.0	9,763.8	20,090.1	9,745.2	79.9	83.3	88.77	-9,969.7	-1,226.1	880.2	717.3	162.93	5.402	
20,100.0	9,763.9	20,145.1	9,745.3	80.3	83.7	88.77	-10,024.7	-1,226.6	880.2	716.5	163.74	5.376	
20,140.0	9,763.9	20,185.1	9,745.3	80.6	84.0	88.77	-10,064.7	-1,227.0	880.2	715.9	164.33	5.356	
20,200.0	9,764.0	20,245.1	9,745.3	81.1	84.4	88.77	-10,124.7	-1,227.5	880.2	715.0	165.21	5.328	
20,235.0	9,764.0	20,280.1	9,745.3	81.3	84.7	88.77	-10,159.7	-1,227.8	880.2	714.5	165.73	5.311	
20,300.0	9,764.1	20,345.1	9,745.4	81.8	85.2	88.77	-10,224.7	-1,228.4	880.2	713.5	166.69	5.281	
20,330.0	9,764.1	20,375.1	9,745.4	82.0	85.4	88.77	-10,254.7	-1,228.7	880.2	713.1	167.13	5.267	
20,400.0	9,764.1	20,445.1	9,745.4	82.6	85.9	88.77	-10,324.7	-1,229.3	880.2	712.0	168.16	5.234	
20,425.0	9,764.1	20,470.1	9,745.4	82.7	86.1	88.77	-10,349.7	-1,229.5	880.2	711.7	168.53	5.223	
20,500.0	9,764.2	20,545.1	9,745.5	83.3	86.6	88.77	-10,424.7	-1,230.2	880.2	710.6	169.64	5.189	
20,520.0	9,764.2	20,565.1	9,745.5	83.5	86.7	88.77	-10,444.7	-1,230.3	880.2	710.3	169.93	5.180	
20,600.0	9,764.3	20,645.1	9,745.5	84.1	87.3	88.77	-10,524.7	-1,231.1	880.2	709.1	171.11	5.144	
20,615.0	9,764.3	20,660.1	9,745.5	84.2	87.4	88.76	-10,539.7	-1,231.2	880.2	708.9	171.33	5.137	
20,700.0	9,764.4	20,745.1	9,745.6	84.8	88.0	88.76	-10,624.7	-1,231.9	880.2	707.6	172.59	5.100	
20,710.0	9,764.4	20,755.1	9,745.6	84.9	88.1	88.76	-10,634.7	-1,232.0	880.2	707.5	172.74	5.096	
20,800.0	9,764.4	20,845.1	9,745.6	85.6	88.8	88.76	-10,724.7	-1,232.8	880.2	706.1	174.07	5.057	
20,805.0	9,764.5	20,850.1	9,745.6	85.6	88.8	88.76	-10,729.7	-1,232.9	880.2	706.1	174.14	5.055	
20,900.0	9,764.5	20,945.1	9,745.7	86.3	89.5	88.76	-10,824.7	-1,233.7	880.2	704.7	175.55	5.014	
20,995.0	9,764.6	21,040.1	9,745.7	87.0	90.2	88.76	-10,919.7	-1,234.6	880.2	703.3	176.95	4.974	
21,000.0	9,764.6	21,045.1	9,745.7	87.1	90.2	88.76	-10,924.7	-1,234.6	880.2	703.2	177.03	4.972	
21,090.0	9,764.7	21,135.1	9,745.8	87.7	90.9	88.76	-11,014.7	-1,235.4	880.2	701.8	178.36	4.935	
21,100.0	9,764.7	21,145.1	9,745.8	87.8	90.9	88.76	-11,024.7	-1,235.5	880.2	701.7	178.51	4.931	
21,185.0	9,764.8	21,230.1	9,745.8	88.5	91.6	88.76	-11,109.7	-1,236.2	880.2	700.4	179.77	4.896	
21,200.0	9,764.8	21,245.1	9,745.8	88.6	91.7	88.75	-11,124.7	-1,236.4	880.2	700.2	179.99	4.890	
21,280.0	9,764.8	21,325.1	9,745.9	89.2	92.2	88.75	-11,204.7	-1,237.1	880.2	699.0	181.18	4.858	
21,300.0	9,764.8	21,345.1	9,745.9	89.3	92.4	88.75	-11,224.7	-1,237.3	880.2	698.7	181.47	4.850	
21,375.0	9,764.9	21,420.1	9,745.9	89.9	92.9	88.75	-11,299.7	-1,237.9	880.2	697.6	182.58	4.821	
21,400.0	9,764.9	21,445.1	9,745.9	90.1	93.1	88.75	-11,324.7	-1,238.2	880.2	697.3	182.96	4.811	
21,470.0	9,765.0	21,515.1	9,746.0	90.6	93.6	88.75	-11,394.7	-1,238.8	880.2	696.2	183.99	4.784	
21,500.0	9,765.0	21,545.1	9,746.0	90.8	93.8	88.75	-11,424.7	-1,239.0	880.2	695.8	184.44	4.772	
21,565.0	9,765.1	21,610.1	9,746.0	91.3	94.3	88.75	-11,489.7	-1,239.6	880.2	694.8	185.40	4.748	
21,600.0	9,765.1	21,645.1	9,746.0	91.6	94.6	88.75	-11,524.7	-1,239.9	880.2	694.3	185.92	4.734	
21,660.0	9,765.1	21,705.1	9,746.1	92.0	95.0	88.75	-11,584.7	-1,240.5	880.2	693.4	186.81	4.712	
21,700.0	9,765.2	21,745.1	9,746.1	92.3	95.3	88.75	-11,624.7	-1,240.8	880.2	692.8	187.41	4.697	
21,755.0	9,765.2	21,800.1	9,746.1	92.8	95.7	88.75	-11,679.7	-1,241.3	880.2	692.0	188.23	4.676	
21,800.0	9,765.2	21,845.1	9,746.2	93.1	96.0	88.74	-11,724.7	-1,241.7	880.2	691.3	188.89	4.660	
21,850.0	9,765.3	21,895.1	9,746.2	93.5	96.4	88.74	-11,774.7	-1,242.2	880.2	690.6	189.64	4.642	
21,900.0	9,765.3	21,945.1	9,746.2	93.8	96.8	88.74	-11,824.7	-1,242.6	880.2	689.8	190.38	4.623	
21,945.0	9,765.4	21,990.1	9,746.2	94.2	97.1	88.74	-11,869.7	-1,243.0	880.2	689.2	191.05	4.607	
22,000.0	9,765.4	22,045.1	9,746.3	94.6	97.5	88.74	-11,924.7	-1,243.5	880.2	688.3	191.87	4.588	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS							Rule Assigned:				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		
22,040.0	9,765.4	22,085.1	9,746.3	94.9	97.8	88.74	-11,964.7	-1,243.8	880.2	687.8	192.46	4.573		
22,100.0	9,765.5	22,145.1	9,746.3	95.4	98.2	88.74	-12,024.7	-1,244.4	880.2	686.9	193.36	4.552		
22,135.0	9,765.5	22,180.1	9,746.3	95.6	98.5	88.74	-12,059.7	-1,244.7	880.2	686.3	193.88	4.540		
22,200.0	9,765.6	22,245.1	9,746.4	96.1	98.9	88.74	-12,124.7	-1,245.3	880.2	685.4	194.84	4.518		
22,230.0	9,765.6	22,275.1	9,746.4	96.3	99.2	88.74	-12,154.7	-1,245.5	880.2	684.9	195.29	4.507		
22,300.0	9,765.6	22,345.1	9,746.4	96.9	99.7	88.74	-12,224.6	-1,246.1	880.2	683.9	196.33	4.483		
22,325.0	9,765.7	22,370.1	9,746.4	97.1	99.9	88.74	-12,249.6	-1,246.4	880.2	683.5	196.71	4.475		
22,400.0	9,765.7	22,445.1	9,746.5	97.6	100.4	88.73	-12,324.6	-1,247.0	880.2	682.4	197.82	4.450		
22,420.0	9,765.7	22,465.1	9,746.5	97.8	100.6	88.73	-12,344.6	-1,247.2	880.2	682.1	198.12	4.443		
22,500.0	9,765.8	22,545.1	9,746.5	98.4	101.1	88.73	-12,424.6	-1,247.9	880.2	680.9	199.31	4.416		
22,515.0	9,765.8	22,560.1	9,746.5	98.5	101.3	88.73	-12,439.6	-1,248.1	880.2	680.7	199.54	4.411		
22,600.0	9,765.9	22,645.1	9,746.6	99.1	101.9	88.73	-12,524.6	-1,248.8	880.2	679.4	200.80	4.384		
22,610.0	9,765.9	22,655.1	9,746.6	99.2	102.0	88.73	-12,534.6	-1,248.9	880.2	679.3	200.95	4.380		
22,700.0	9,766.0	22,745.1	9,746.6	99.9	102.6	88.73	-12,624.6	-1,249.7	880.2	677.9	202.30	4.351		
22,705.0	9,766.0	22,750.1	9,746.6	99.9	102.6	88.73	-12,629.6	-1,249.7	880.2	677.9	202.37	4.350		
22,800.0	9,766.0	22,845.1	9,746.7	100.6	103.3	88.73	-12,724.6	-1,250.6	880.2	676.4	203.79	4.319		
22,895.0	9,766.1	22,940.1	9,746.7	101.4	104.0	88.73	-12,819.6	-1,251.4	880.2	675.0	205.20	4.290		
22,900.0	9,766.1	22,945.1	9,746.7	101.4	104.1	88.73	-12,824.6	-1,251.5	880.2	674.9	205.28	4.288		
22,990.0	9,766.2	23,035.1	9,746.8	102.1	104.7	88.72	-12,914.6	-1,252.3	880.2	673.6	206.62	4.260		
23,000.0	9,766.2	23,045.1	9,746.8	102.2	104.8	88.72	-12,924.6	-1,252.4	880.2	673.5	206.77	4.257		
23,085.0	9,766.3	23,130.1	9,746.8	102.8	105.4	88.72	-13,009.6	-1,253.1	880.2	672.2	208.04	4.231		
23,100.0	9,766.3	23,145.1	9,746.8	102.9	105.5	88.72	-13,024.6	-1,253.2	880.2	672.0	208.27	4.226		
23,180.0	9,766.3	23,225.1	9,746.9	103.5	106.1	88.72	-13,104.6	-1,254.0	880.2	670.8	209.46	4.202		
23,200.0	9,766.3	23,245.1	9,746.9	103.7	106.3	88.72	-13,124.6	-1,254.1	880.2	670.5	209.76	4.196		
23,275.0	9,766.4	23,320.1	9,746.9	104.2	106.8	88.72	-13,199.6	-1,254.8	880.2	669.4	210.88	4.174		
23,300.0	9,766.4	23,345.1	9,746.9	104.4	107.0	88.72	-13,224.6	-1,255.0	880.2	669.0	211.25	4.167		
23,370.0	9,766.5	23,415.1	9,747.0	104.9	107.5	88.72	-13,294.6	-1,255.6	880.2	667.9	212.30	4.146		
23,400.0	9,766.5	23,445.1	9,747.0	105.2	107.8	88.72	-13,324.6	-1,255.9	880.2	667.5	212.75	4.137		
23,465.0	9,766.6	23,510.1	9,747.0	105.7	108.2	88.72	-13,389.6	-1,256.5	880.2	666.5	213.72	4.119		
23,500.0	9,766.6	23,545.1	9,747.1	105.9	108.5	88.72	-13,424.6	-1,256.8	880.2	666.0	214.24	4.109		
23,560.0	9,766.6	23,605.1	9,747.1	106.4	108.9	88.71	-13,484.6	-1,257.3	880.2	665.1	215.14	4.091		
23,600.0	9,766.7	23,645.1	9,747.1	106.7	109.2	88.71	-13,524.6	-1,257.7	880.2	664.5	215.74	4.080		
23,655.0	9,766.7	23,700.1	9,747.1	107.1	109.6	88.71	-13,579.6	-1,258.2	880.2	663.7	216.56	4.065		
23,700.0	9,766.7	23,745.1	9,747.2	107.4	110.0	88.71	-13,624.6	-1,258.6	880.2	663.0	217.24	4.052		
23,750.0	9,766.8	23,795.1	9,747.2	107.8	110.3	88.71	-13,674.6	-1,259.0	880.2	662.3	217.98	4.038		
23,800.0	9,766.8	23,845.1	9,747.2	108.2	110.7	88.71	-13,724.6	-1,259.5	880.2	661.5	218.73	4.024		
23,845.0	9,766.9	23,890.1	9,747.2	108.5	111.0	88.71	-13,769.6	-1,259.9	880.2	660.8	219.41	4.012		
23,900.0	9,766.9	23,945.1	9,747.3	109.0	111.4	88.71	-13,824.6	-1,260.4	880.2	660.0	220.23	3.997		
23,940.0	9,766.9	23,985.1	9,747.3	109.3	111.7	88.71	-13,864.6	-1,260.7	880.2	659.4	220.83	3.986		
24,000.0	9,767.0	24,045.1	9,747.3	109.7	112.2	88.71	-13,924.6	-1,261.2	880.2	658.5	221.73	3.970		
24,035.0	9,767.0	24,080.1	9,747.3	110.0	112.4	88.71	-13,959.6	-1,261.6	880.2	658.0	222.25	3.961		
24,100.0	9,767.1	24,145.1	9,747.4	110.5	112.9	88.71	-14,024.6	-1,262.1	880.2	657.0	223.22	3.943		
24,130.0	9,767.1	24,175.1	9,747.4	110.7	113.1	88.70	-14,054.6	-1,262.4	880.2	656.6	223.67	3.935		
24,200.0	9,767.1	24,245.1	9,747.4	111.2	113.7	88.70	-14,124.6	-1,263.0	880.2	655.5	224.72	3.917		
24,225.0	9,767.2	24,270.1	9,747.4	111.4	113.8	88.70	-14,149.6	-1,263.2	880.2	655.1	225.10	3.910		
24,300.0	9,767.2	24,345.1	9,747.5	112.0	114.4	88.70	-14,224.6	-1,263.9	880.2	654.0	226.22	3.891		
24,320.0	9,767.2	24,365.1	9,747.5	112.1	114.6	88.70	-14,244.6	-1,264.1	880.2	653.7	226.52	3.886		
24,400.0	9,767.3	24,445.1	9,747.5	112.7	115.1	88.70	-14,324.6	-1,264.8	880.2	652.5	227.72	3.865		
24,415.0	9,767.3	24,460.1	9,747.5	112.9	115.3	88.70	-14,339.6	-1,264.9	880.2	652.3	227.95	3.862		
24,500.0	9,767.4	24,545.1	9,747.6	113.5	115.9	88.70	-14,424.6	-1,265.7	880.2	651.0	229.22	3.840		
24,510.0	9,767.4	24,555.1	9,747.6	113.6	116.0	88.70	-14,434.6	-1,265.8	880.2	650.9	229.37	3.838		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - FLAMING SNAIL FEDERAL COM #806H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 9308-r.5 MWD+IFR1+MS												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)			
24,600.0	9,767.5	24,645.1	9,747.6	114.3	116.6	88.70	-14,524.6	-1,266.6	880.2	649.5	230.72	3.815	
24,605.0	9,767.5	24,650.1	9,747.6	114.3	116.7	88.70	-14,529.6	-1,266.6	880.2	649.5	230.80	3.814	
24,700.0	9,767.5	24,745.1	9,747.7	115.0	117.4	88.70	-14,624.6	-1,267.5	880.3	648.0	232.22	3.791	
24,795.0	9,767.6	24,840.1	9,747.7	115.7	118.1	88.69	-14,719.5	-1,268.3	880.3	646.6	233.65	3.767	
24,800.0	9,767.6	24,845.1	9,747.7	115.8	118.1	88.69	-14,724.5	-1,268.3	880.3	646.5	233.72	3.766	
24,890.0	9,767.7	24,935.1	9,747.8	116.5	118.8	88.69	-14,814.5	-1,269.1	880.3	645.2	235.07	3.745	
24,900.0	9,767.7	24,945.1	9,747.8	116.5	118.8	88.69	-14,824.5	-1,269.2	880.3	645.0	235.22	3.742	
24,985.0	9,767.8	25,030.1	9,747.8	117.2	119.5	88.69	-14,909.5	-1,270.0	880.3	643.8	236.50	3.722	
25,000.0	9,767.8	25,045.1	9,747.8	117.3	119.6	88.69	-14,924.5	-1,270.1	880.3	643.5	236.72	3.718	
25,080.0	9,767.8	25,125.1	9,747.9	117.9	120.2	88.69	-15,004.5	-1,270.8	880.3	642.3	237.92	3.700	
25,100.0	9,767.9	25,145.1	9,747.9	118.0	120.3	88.69	-15,024.5	-1,271.0	880.3	642.0	238.22	3.695	
25,154.5	9,767.9	25,199.6	9,747.9	118.5	120.7	88.69	-15,079.0	-1,271.5	880.3	641.2	239.04	3.682	
25,175.0	9,767.9	25,220.1	9,747.9	118.6	120.9	88.69	-15,099.5	-1,271.7	880.3	640.9	239.35	3.678	
25,200.0	9,767.9	25,245.1	9,748.0	118.8	121.1	88.69	-15,124.5	-1,271.9	880.3	640.5	239.72	3.672	
25,270.0	9,768.0	25,315.1	9,748.0	119.3	121.6	88.69	-15,194.5	-1,272.5	880.3	639.5	240.78	3.656	
25,284.5	9,768.0	25,329.6	9,748.0	119.4	121.7	88.69	-15,209.0	-1,272.6	880.3	639.3	240.99	3.653	

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 431-MWD		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 3.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-38.81	873.0	-702.1	1,120.7					
95.0	95.0	60.4	60.4	3.0	3.2	-38.80	873.2	-702.0	1,120.4	1,114.3	6.04	185.585		
100.0	100.0	65.2	65.2	3.0	3.2	-38.80	873.2	-702.0	1,120.4	1,114.4	6.04	185.401		
190.0	190.0	150.9	150.9	3.1	3.9	-38.75	874.1	-701.6	1,120.8	1,114.6	6.25	179.443		
200.0	200.0	160.4	160.4	3.1	4.0	-38.75	874.2	-701.5	1,120.9	1,114.6	6.28	178.532		
285.0	285.0	241.3	241.2	3.3	5.0	-38.67	875.7	-700.8	1,121.7	1,115.1	6.54	171.547		
300.0	300.0	255.5	255.5	3.3	5.2	-38.65	876.0	-700.7	1,121.9	1,115.3	6.59	170.175		
380.0	380.0	331.6	331.6	3.4	6.2	-38.55	878.1	-699.7	1,122.9	1,116.0	6.89	163.053		
400.0	400.0	350.6	350.6	3.4	6.5	-38.52	878.7	-699.4	1,123.2	1,116.3	6.97	161.208		
475.0	475.0	431.0	430.9	3.5	7.7	-38.37	881.7	-698.0	1,124.6	1,117.3	7.31	153.871		
500.0	500.0	451.1	451.0	3.5	7.8	-38.33	882.4	-697.6	1,125.0	1,117.6	7.37	152.746		
570.0	570.0	538.0	537.8	3.6	8.2	-38.24	884.0	-696.6	1,125.5	1,117.9	7.60	148.079		
600.0	600.0	568.5	568.3	3.6	8.3	-38.22	884.2	-696.3	1,125.5	1,117.7	7.73	145.522		
665.0	665.0	634.6	634.4	3.7	8.6	-38.19	884.6	-695.9	1,125.5	1,117.4	8.02	140.359		
700.0	700.0	670.2	670.0	3.8	8.7	-38.18	884.7	-695.6	1,125.4	1,117.2	8.17	137.714		
760.0	760.0	730.3	730.1	3.8	8.9	-38.16	884.8	-695.4	1,125.3	1,116.9	8.42	133.684		
800.0	800.0	769.0	768.9	3.9	9.0	-38.16	884.8	-695.2	1,125.3	1,116.7	8.56	131.431		
811.5	811.5	780.2	780.0	3.9	9.0	-38.15	884.9	-695.2	1,125.3	1,116.7	8.60	130.809		
855.0	855.0	822.3	822.1	4.0	9.1	-38.15	885.0	-695.1	1,125.3	1,116.6	8.76	128.500		
900.0	900.0	865.9	865.7	4.0	9.2	-38.14	885.1	-695.0	1,125.4	1,116.5	8.92	126.192		
950.0	950.0	914.9	914.7	4.1	9.3	-38.13	885.3	-695.0	1,125.5	1,116.5	9.08	123.926		
1,000.0	1,000.0	964.7	964.6	4.1	9.5	-38.12	885.6	-695.0	1,125.7	1,116.5	9.23	121.979		
1,045.0	1,045.0	1,009.6	1,009.4	4.2	9.6	-38.12	885.8	-695.0	1,125.9	1,116.5	9.36	120.244		
1,100.0	1,100.0	1,064.5	1,064.3	4.2	9.8	-38.11	886.0	-695.0	1,126.1	1,116.5	9.53	118.116		
1,140.0	1,140.0	1,104.3	1,104.1	4.3	9.9	-38.10	886.2	-695.0	1,126.2	1,116.6	9.66	116.565		
1,200.0	1,200.0	1,163.8	1,163.6	4.4	10.1	-38.08	886.6	-694.8	1,126.5	1,116.6	9.86	114.256		
1,235.0	1,235.0	1,198.5	1,198.3	4.4	10.2	-38.07	887.0	-694.6	1,126.6	1,116.7	9.97	112.956		
1,300.0	1,300.0	1,263.0	1,262.8	4.5	10.4	-38.02	887.8	-694.1	1,126.9	1,116.8	10.19	110.604		
1,330.0	1,330.0	1,296.4	1,296.2	4.5	10.5	-37.99	888.3	-693.7	1,127.1	1,116.7	10.35	108.891		
1,400.0	1,400.0	1,378.4	1,378.2	4.6	10.7	-37.90	889.2	-692.1	1,126.8	1,116.1	10.79	104.419		
1,425.0	1,425.0	1,407.8	1,407.5	4.6	10.8	-37.86	889.4	-691.3	1,126.6	1,115.6	10.95	102.931		
1,500.0	1,500.0	1,486.8	1,486.5	4.7	11.0	-37.74	889.8	-688.7	1,125.3	1,114.0	11.36	99.057		
1,520.0	1,520.0	1,503.7	1,503.4	4.8	11.0	-10.89	889.8	-688.3	1,125.0	1,113.5	11.46	98.129		
1,600.0	1,600.0	1,574.6	1,574.3	4.9	11.1	-10.89	889.6	-687.6	1,122.7	1,110.7	11.96	93.901		
1,615.0	1,615.0	1,590.6	1,590.3	4.9	11.1	-10.90	889.5	-687.6	1,122.0	1,110.0	12.09	92.805		
1,700.0	1,699.8	1,681.4	1,681.1	5.2	11.3	-10.96	889.1	-686.9	1,116.7	1,103.9	12.86	86.855		
1,710.0	1,709.8	1,692.1	1,691.8	5.2	11.3	-10.96	889.0	-686.7	1,115.9	1,102.9	12.95	86.185		
1,800.0	1,799.5	1,786.5	1,786.2	5.4	11.5	-11.03	888.5	-685.2	1,106.7	1,093.0	13.74	80.570		
1,805.0	1,804.4	1,791.6	1,791.3	5.5	11.5	-11.04	888.4	-685.1	1,106.1	1,092.4	13.78	80.284		
1,900.0	1,898.7	1,888.7	1,888.4	5.7	11.6	-11.13	888.0	-682.9	1,093.0	1,078.4	14.56	75.056		
1,995.0	1,992.5	1,983.5	1,983.1	6.0	11.8	-11.25	887.6	-680.2	1,076.6	1,061.3	15.26	70.559		
2,000.0	1,997.5	1,988.3	1,987.9	6.0	11.8	-11.26	887.6	-680.0	1,075.6	1,060.3	15.29	70.352		
2,090.0	2,085.8	2,075.3	2,074.9	6.4	12.0	-11.40	887.4	-677.4	1,057.2	1,041.3	15.85	66.692		
2,100.0	2,095.6	2,084.9	2,084.5	6.4	12.0	-11.42	887.4	-677.1	1,054.9	1,039.0	15.91	66.298		
2,125.2	2,120.2	2,109.0	2,108.6	6.4	12.1	-11.47	887.4	-676.4	1,049.2	1,033.2	16.03	65.450		
2,185.0	2,178.6	2,167.3	2,166.8	6.6	12.2	-11.54	887.3	-674.7	1,035.4	1,019.1	16.38	63.203		
2,200.0	2,193.3	2,182.1	2,181.6	6.6	12.2	-11.55	887.3	-674.3	1,032.0	1,015.5	16.48	62.622		
2,280.0	2,271.4	2,261.1	2,260.6	6.9	12.4	-11.65	887.2	-671.9	1,013.4	996.4	17.03	59.501		
2,300.0	2,290.9	2,280.9	2,280.4	6.9	12.5	-11.68	887.1	-671.3	1,008.8	991.6	17.17	58.753		
2,375.0	2,364.1	2,353.9	2,353.4	7.2	12.6	-11.77	886.9	-669.1	991.3	973.6	17.72	55.933		
2,400.0	2,388.5	2,377.7	2,377.2	7.3	12.7	-11.80	886.9	-668.4	985.5	967.6	17.92	54.993		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		431-MWD						Rule Assigned:					Offset Well Error:	3.0 usft
Measured	Reference	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
2,470.0	2,456.9	2,444.5	2,443.9	7.5	12.9	-11.89	886.8	-666.3	969.3	950.8	18.48	52.462		
2,500.0	2,486.2	2,473.1	2,472.5	7.6	13.0	-11.92	886.8	-665.4	962.4	943.7	18.71	51.430		
2,565.0	2,549.6	2,532.5	2,531.8	7.8	13.1	-12.00	886.9	-663.7	947.5	928.3	19.19	49.366		
2,600.0	2,583.8	2,561.3	2,560.7	7.9	13.2	-12.04	887.0	-663.0	939.7	920.3	19.41	48.408		
2,660.0	2,642.4	2,611.0	2,610.3	8.2	13.3	-12.15	887.1	-662.5	926.7	906.9	19.79	46.824		
2,700.0	2,681.4	2,644.1	2,643.5	8.3	13.4	-12.24	887.3	-662.5	918.4	898.4	20.05	45.816		
2,755.0	2,735.1	2,689.9	2,689.2	8.5	13.6	-12.39	887.5	-663.0	907.4	887.0	20.40	44.483		
2,800.0	2,779.0	2,731.3	2,730.7	8.7	13.7	-12.55	887.8	-663.9	898.7	877.9	20.80	43.203		
2,850.0	2,827.9	2,780.7	2,780.1	8.9	13.8	-12.75	888.1	-665.0	889.0	867.7	21.34	41.653		
2,900.0	2,876.7	2,830.2	2,829.5	9.1	13.9	-12.95	888.3	-666.1	879.3	857.4	21.88	40.187		
2,945.0	2,920.6	2,874.6	2,873.9	9.3	14.0	-13.14	888.5	-667.1	870.6	848.2	22.36	38.929		
3,000.0	2,974.3	2,928.7	2,928.0	9.5	14.2	-13.38	888.7	-668.3	859.9	837.1	22.87	37.602		
3,040.0	3,013.4	2,967.9	2,967.2	9.6	14.3	-13.55	888.9	-669.2	852.2	829.0	23.19	36.742		
3,100.0	3,071.9	3,026.7	3,025.9	9.9	14.4	-13.82	889.0	-670.5	840.6	816.9	23.67	35.506		
3,135.0	3,106.1	3,061.0	3,060.2	10.0	14.5	-13.98	889.2	-671.3	833.8	809.8	23.95	34.811		
3,200.0	3,169.6	3,125.1	3,124.3	10.3	14.6	-14.29	889.4	-672.8	821.2	796.8	24.42	33.623		
3,230.0	3,198.8	3,154.8	3,154.0	10.4	14.7	-14.44	889.4	-673.4	815.4	790.8	24.63	33.107		
3,300.0	3,267.2	3,219.6	3,218.8	10.7	14.9	-14.79	889.4	-675.2	801.9	776.8	25.14	31.901		
3,325.0	3,291.6	3,241.6	3,240.8	10.8	15.0	-14.94	889.2	-676.2	797.2	771.9	25.32	31.480		
3,400.0	3,364.8	3,309.5	3,308.5	11.1	15.3	-15.56	887.6	-680.9	783.6	757.7	25.90	30.256		
3,420.0	3,384.3	3,328.2	3,327.1	11.2	15.4	-15.77	886.9	-682.5	780.1	754.0	26.06	29.933		
3,500.0	3,462.4	3,404.9	3,403.3	11.6	15.9	-16.73	883.3	-690.4	766.2	739.5	26.69	28.704		
3,515.0	3,477.1	3,419.9	3,418.2	11.6	16.0	-16.93	882.5	-692.0	763.6	736.8	26.81	28.485		
3,600.0	3,560.1	3,504.8	3,502.6	12.0	16.4	-18.08	878.1	-700.8	749.0	721.5	27.46	27.275		
3,610.0	3,569.8	3,514.8	3,512.5	12.0	16.5	-18.22	877.6	-701.8	747.3	719.7	27.54	27.136		
3,700.0	3,657.7	3,604.1	3,601.1	12.4	16.9	-19.46	872.8	-710.8	731.8	703.6	28.25	25.908		
3,705.0	3,662.6	3,609.0	3,606.0	12.4	16.9	-19.53	872.6	-711.3	731.0	702.7	28.29	25.842		
3,800.0	3,755.3	3,702.3	3,698.8	12.9	17.2	-20.89	867.5	-720.4	714.8	685.9	28.99	24.656		
3,895.0	3,848.1	3,799.2	3,795.0	13.3	17.6	-22.36	862.1	-729.8	698.9	669.1	29.74	23.502		
3,900.0	3,853.0	3,804.5	3,800.3	13.3	17.7	-22.45	861.7	-730.3	698.0	668.2	29.78	23.440		
3,990.0	3,940.8	3,899.7	3,894.8	13.7	18.1	-24.10	854.5	-739.6	682.3	651.8	30.54	22.339		
4,000.0	3,950.6	3,910.2	3,905.2	13.7	18.2	-24.29	853.6	-740.6	680.6	649.9	30.63	22.219		
4,085.0	4,033.6	3,995.9	3,990.1	14.1	18.6	-25.96	845.5	-749.0	665.4	634.0	31.31	21.247		
4,088.3	4,036.8	3,999.1	3,993.3	14.1	18.6	-26.02	845.2	-749.3	664.8	633.4	31.34	21.211		
4,100.0	4,048.2	4,010.6	4,004.7	14.2	18.6	-26.23	844.1	-750.4	662.7	631.3	31.43	21.088		
4,180.0	4,126.6	4,089.6	4,083.0	14.5	19.0	-27.65	836.7	-757.7	649.9	617.9	32.07	20.268		
4,200.0	4,146.3	4,109.4	4,102.7	14.6	19.1	-28.00	834.9	-759.4	647.1	614.8	32.23	20.079		
4,275.0	4,220.2	4,184.4	4,177.0	15.0	19.4	-29.27	828.0	-765.9	637.5	604.8	32.76	19.461		
4,300.0	4,245.0	4,209.5	4,201.9	15.1	19.5	-29.69	825.7	-768.0	634.8	601.8	32.93	19.277		
4,370.0	4,314.4	4,280.1	4,272.1	15.4	19.8	-30.80	819.4	-773.6	628.0	594.6	33.38	18.814		
4,400.0	4,344.2	4,310.5	4,302.3	15.5	19.9	-31.26	816.8	-775.9	625.6	592.0	33.57	18.632		
4,465.0	4,408.9	4,368.4	4,359.7	15.8	20.1	-32.09	811.8	-780.3	621.5	587.5	34.05	18.254		
4,500.0	4,443.7	4,398.1	4,389.3	15.9	20.3	-32.50	809.4	-782.9	620.3	586.0	34.31	18.076		
4,547.0	4,490.7	4,438.2	4,429.0	16.1	20.5	-33.05	806.3	-786.7	619.7	585.0	34.65	17.881 CC		
4,560.0	4,503.6	4,449.2	4,440.0	16.2	20.5	-33.20	805.5	-787.8	619.7	585.0	34.75	17.835 ES		
4,600.0	4,543.6	4,483.3	4,473.8	16.3	20.7	-33.65	803.0	-791.4	620.4	585.4	35.03	17.709		
4,655.0	4,598.5	4,532.6	4,522.6	16.5	21.0	-34.28	799.6	-797.1	622.8	587.4	35.40	17.594		
4,700.0	4,643.5	4,578.4	4,568.0	16.6	21.2	-34.83	796.6	-802.4	625.5	589.8	35.72	17.514		
4,713.5	4,657.0	4,592.1	4,581.5	16.6	21.2	-61.82	795.6	-804.0	626.4	590.7	35.79	17.504		
4,750.0	4,693.5	4,629.3	4,618.4	16.6	21.4	-62.20	793.1	-808.3	629.0	593.0	35.98	17.483		
4,800.0	4,743.5	4,680.2	4,668.9	16.6	21.7	-62.72	789.7	-814.0	632.4	596.2	36.24	17.452		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		431-MWD				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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
4,845.0	4,788.5	4,726.2	4,714.5	16.7	21.9	-63.18	786.6	-819.0	635.5	599.0	36.45	17.435 SF			
4,900.0	4,843.5	4,782.6	4,770.5	16.7	22.1	-63.72	782.8	-825.1	639.1	602.5	36.65	17.440			
4,940.0	4,883.5	4,823.7	4,811.2	16.7	22.3	-64.12	780.1	-829.3	641.7	604.9	36.79	17.441			
5,000.0	4,943.5	4,885.3	4,872.4	16.8	22.5	-64.69	775.9	-835.6	645.4	608.4	37.01	17.440			
5,035.0	4,978.5	4,919.1	4,905.9	16.8	22.6	-65.00	773.6	-838.9	647.6	610.5	37.13	17.440			
5,100.0	5,043.5	4,979.2	4,965.6	16.8	22.9	-65.54	769.8	-845.1	652.0	614.6	37.36	17.452			
5,130.0	5,073.5	5,006.9	4,993.2	16.8	23.0	-65.79	768.0	-848.1	654.2	616.7	37.46	17.462			
5,200.0	5,143.5	5,071.6	5,057.3	16.9	23.2	-66.35	764.2	-855.4	659.7	622.0	37.70	17.498			
5,225.0	5,168.5	5,094.9	5,080.4	16.9	23.3	-66.55	762.9	-858.1	661.8	624.0	37.79	17.514			
5,300.0	5,243.5	5,166.6	5,151.4	16.9	23.6	-67.17	758.8	-866.7	668.4	630.3	38.05	17.566			
5,320.0	5,263.5	5,185.7	5,170.3	16.9	23.6	-67.33	757.7	-869.0	670.2	632.1	38.12	17.582			
5,400.0	5,343.5	5,262.0	5,245.9	17.0	23.9	-67.98	753.4	-878.6	677.8	639.4	38.40	17.652			
5,415.0	5,358.5	5,276.3	5,260.1	17.0	24.0	-68.10	752.6	-880.4	679.3	640.8	38.45	17.666			
5,500.0	5,443.5	5,363.5	5,346.5	17.0	24.3	-68.84	747.6	-891.4	687.5	648.8	38.77	17.735			
5,510.0	5,453.5	5,373.8	5,356.7	17.0	24.3	-68.92	747.0	-892.7	688.5	649.7	38.81	17.742			
5,600.0	5,543.5	5,466.6	5,448.6	17.1	24.7	-69.67	741.6	-903.9	696.9	657.7	39.14	17.802			
5,605.0	5,548.5	5,471.7	5,453.7	17.1	24.7	-69.71	741.3	-904.5	697.3	658.1	39.16	17.806			
5,700.0	5,643.5	5,568.1	5,549.3	17.2	25.1	-70.44	735.9	-915.7	705.8	666.3	39.52	17.862			
5,795.0	5,738.5	5,664.8	5,645.3	17.2	25.5	-71.12	730.7	-926.4	714.2	674.3	39.88	17.911			
5,800.0	5,743.5	5,670.3	5,650.7	17.2	25.5	-71.16	730.4	-927.0	714.6	674.7	39.90	17.912			
5,890.0	5,833.5	5,767.7	5,747.4	17.3	25.8	-71.86	724.6	-937.2	721.9	681.6	40.25	17.936			
5,900.0	5,843.5	5,778.6	5,758.2	17.3	25.9	-71.94	723.9	-938.3	722.6	682.4	40.29	17.938			
5,985.0	5,928.5	5,869.2	5,848.2	17.3	26.2	-72.65	717.3	-947.1	728.6	688.0	40.60	17.943			
6,000.0	5,943.5	5,884.3	5,863.2	17.3	26.3	-72.77	716.1	-948.5	729.6	688.9	40.66	17.944			
6,080.0	6,023.5	5,964.6	5,942.8	17.4	26.6	-73.47	709.1	-956.2	735.0	694.0	40.94	17.952			
6,100.0	6,043.5	5,984.6	5,962.6	17.4	26.7	-73.66	707.2	-958.2	736.3	695.3	41.01	17.955			
6,175.0	6,118.5	6,059.8	6,037.0	17.4	27.0	-74.40	699.4	-965.6	741.3	700.1	41.26	17.967			
6,200.0	6,143.5	6,085.0	6,062.0	17.4	27.1	-74.66	696.6	-968.1	743.0	701.7	41.35	17.971			
6,270.0	6,213.5	6,155.5	6,131.5	17.5	27.3	-75.44	688.0	-975.3	747.8	706.2	41.57	17.986			
6,300.0	6,243.5	6,185.5	6,161.1	17.5	27.4	-75.80	684.1	-978.4	749.8	708.1	41.67	17.994			
6,365.0	6,308.5	6,251.7	6,226.3	17.5	27.7	-76.61	674.7	-985.3	754.2	712.3	41.87	18.013			
6,400.0	6,343.5	6,289.0	6,263.0	17.6	27.8	-77.07	669.4	-989.0	756.5	714.5	41.98	18.021			
6,460.0	6,403.5	6,353.0	6,326.0	17.6	28.1	-77.84	660.4	-995.1	760.3	718.1	42.17	18.027			
6,500.0	6,443.5	6,395.7	6,368.2	17.6	28.2	-78.33	654.5	-998.8	762.6	720.3	42.30	18.028			
6,555.0	6,498.5	6,453.2	6,425.0	17.6	28.5	-78.97	646.8	-1,003.6	765.7	723.2	42.49	18.021			
6,600.0	6,543.5	6,499.5	6,470.8	17.7	28.6	-79.45	640.9	-1,007.3	768.2	725.5	42.65	18.011			
6,650.0	6,593.5	6,551.1	6,521.8	17.7	28.8	-79.95	634.8	-1,011.2	770.8	728.0	42.83	17.996			
6,700.0	6,643.5	6,602.8	6,573.1	17.7	29.1	-80.42	629.1	-1,014.8	773.4	730.4	43.02	17.976			
6,745.0	6,688.5	6,654.2	6,624.1	17.8	29.2	-80.83	624.0	-1,018.1	775.5	732.3	43.18	17.960			
6,800.0	6,743.5	6,719.0	6,688.6	17.8	29.5	-81.24	618.9	-1,021.3	777.5	734.1	43.37	17.925			
6,840.0	6,783.5	6,765.8	6,735.3	17.8	29.6	-81.46	616.1	-1,022.9	778.5	735.0	43.51	17.891			
6,900.0	6,843.5	6,835.8	6,805.3	17.8	29.8	-81.66	613.5	-1,024.4	779.4	735.7	43.73	17.826			
6,935.0	6,878.5	6,876.4	6,845.9	17.9	29.9	-81.73	612.7	-1,024.7	779.6	735.8	43.84	17.781			
7,000.0	6,943.5	6,936.0	6,905.5	17.9	30.1	-81.73	612.7	-1,024.9	779.9	735.8	44.08	17.694			
7,030.0	6,973.5	6,954.0	6,923.5	17.9	30.2	-81.69	613.3	-1,025.1	780.4	736.2	44.18	17.662			
7,100.0	7,043.5	6,995.6	6,964.9	18.0	30.3	-81.44	616.9	-1,026.4	783.3	738.9	44.42	17.633			
7,125.0	7,068.5	7,011.7	6,980.8	18.0	30.3	-81.29	619.1	-1,027.1	785.0	740.5	44.51	17.635			
7,200.0	7,143.5	7,059.7	7,027.8	18.0	30.4	-80.66	628.3	-1,029.9	791.7	746.9	44.77	17.683			
7,220.0	7,163.5	7,081.0	7,048.4	18.0	30.5	-80.30	633.5	-1,031.5	794.0	749.1	44.88	17.690			
7,300.0	7,243.5	7,128.0	7,093.1	18.1	30.6	-79.35	647.6	-1,035.3	804.7	759.6	45.11	17.837			
7,315.0	7,258.5	7,133.2	7,097.9	18.1	30.6	-79.23	649.4	-1,035.8	807.0	761.9	45.13	17.884			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #5H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 431-MWD												Offset Well Error: 3.0 usft		
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,400.0	7,343.5	7,194.6	7,154.0	18.1	30.8	-77.58	673.9	-1,040.9	821.9	776.5	45.41	18.099		
7,410.0	7,353.5	7,201.0	7,159.6	18.2	30.8	-77.39	676.9	-1,041.4	823.8	778.4	45.43	18.132		
7,500.0	7,443.5	7,255.7	7,206.7	18.2	30.9	-75.58	704.2	-1,045.7	843.6	798.0	45.61	18.497		
7,505.0	7,448.5	7,258.6	7,209.2	18.2	30.9	-75.48	705.8	-1,045.9	844.8	799.2	45.62	18.521		
7,600.0	7,543.5	7,319.0	7,258.2	18.3	31.0	-73.23	740.8	-1,050.4	870.4	824.7	45.77	19.019		
7,695.0	7,638.5	7,386.4	7,307.9	18.3	31.1	-70.31	786.2	-1,051.9	899.4	853.5	45.92	19.587		
7,700.0	7,643.5	7,388.4	7,309.2	18.3	31.1	-70.23	787.6	-1,051.9	901.1	855.2	45.91	19.629		
7,790.0	7,733.5	7,414.0	7,326.3	18.4	31.1	-69.02	806.8	-1,051.8	934.2	888.7	45.50	20.532		
7,800.0	7,743.5	7,414.0	7,326.3	18.4	31.1	-69.02	806.8	-1,051.8	938.3	892.9	45.41	20.662		
7,885.0	7,828.5	7,439.7	7,342.3	18.4	31.2	-67.78	826.8	-1,052.0	975.3	930.4	44.96	21.691		
7,900.0	7,843.5	7,442.8	7,344.2	18.4	31.2	-67.63	829.3	-1,052.0	982.4	937.5	44.86	21.899		
7,980.0	7,923.5	7,462.0	7,355.4	18.5	31.2	-66.69	844.9	-1,052.6	1,022.6	978.2	44.33	23.066		
8,000.0	7,943.5	7,462.0	7,355.4	18.5	31.2	-66.69	844.9	-1,052.6	1,033.2	989.1	44.13	23.414		
8,075.0	8,018.5	7,462.0	7,355.4	18.6	31.2	-66.69	844.9	-1,052.6	1,075.5	1,032.1	43.35	24.808		
8,100.0	8,043.5	7,481.0	7,365.9	18.6	31.2	-65.77	860.7	-1,053.5	1,089.8	1,046.4	43.38	25.124		
8,170.0	8,113.5	7,492.7	7,372.0	18.6	31.2	-65.19	870.7	-1,054.1	1,132.5	1,089.7	42.84	26.433		
8,200.0	8,143.5	7,510.0	7,380.5	18.6	31.3	-64.35	885.7	-1,055.2	1,151.8	1,109.0	42.80	26.908		
8,265.0	8,208.5	7,510.0	7,380.5	18.7	31.3	-64.35	885.7	-1,055.2	1,194.1	1,151.9	42.18	28.309		
8,300.0	8,243.5	7,510.0	7,380.5	18.7	31.3	-64.35	885.7	-1,055.2	1,217.7	1,175.9	41.86	29.094		
8,360.0	8,303.5	7,510.0	7,380.5	18.7	31.3	-64.35	885.7	-1,055.2	1,259.5	1,218.1	41.32	30.481		
8,400.0	8,343.5	7,526.7	7,388.3	18.8	31.3	-63.53	900.4	-1,056.3	1,287.7	1,246.5	41.24	31.229		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		430-MWD				Rule Assigned:								Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	3.0	3.0	14.56	889.0	230.9	919.1						
95.0	95.0	63.2	63.2	3.0	3.2	14.56	888.9	230.9	918.4	912.3	6.19	148.404			
100.0	100.0	68.4	68.4	3.0	3.2	14.56	888.9	230.9	918.4	912.2	6.22	147.664			
190.0	190.0	160.9	160.9	3.1	4.0	14.58	888.6	231.1	918.1	911.0	7.11	129.161			
200.0	200.0	171.1	171.1	3.1	4.1	14.58	888.5	231.1	918.1	910.8	7.24	126.849			
285.0	285.0	258.5	258.5	3.3	5.2	14.60	887.9	231.3	917.5	909.1	8.41	109.061			
300.0	300.0	273.9	273.9	3.3	5.4	14.61	887.7	231.3	917.4	908.8	8.64	106.184			
380.0	380.0	356.2	356.1	3.4	6.6	14.64	886.9	231.7	916.7	906.8	9.89	92.697			
400.0	400.0	376.7	376.7	3.4	6.9	14.65	886.6	231.7	916.5	906.2	10.21	89.728			
475.0	475.0	453.3	453.3	3.5	7.9	14.69	885.5	232.1	915.5	904.3	11.27	81.273			
500.0	500.0	478.6	478.5	3.5	8.1	14.70	885.2	232.3	915.2	903.7	11.48	79.693			
570.0	570.0	549.2	549.1	3.6	8.6	14.74	884.1	232.6	914.3	902.2	12.10	75.581			
600.0	600.0	579.4	579.4	3.6	8.9	14.76	883.6	232.8	913.9	901.5	12.36	73.924			
665.0	665.0	644.9	644.8	3.7	9.2	14.79	882.6	233.1	912.9	900.1	12.82	71.222			
700.0	700.0	680.0	680.0	3.8	9.4	14.81	882.0	233.3	912.4	899.4	12.97	70.357			
760.0	760.0	740.3	740.2	3.8	9.5	14.85	881.0	233.6	911.5	898.3	13.22	68.930			
800.0	800.0	780.4	780.4	3.9	9.7	14.88	880.3	233.8	910.9	897.5	13.40	68.000			
855.0	855.0	835.8	835.7	4.0	9.8	14.91	879.3	234.1	910.1	896.4	13.63	66.760			
900.0	900.0	881.1	881.0	4.0	10.0	14.94	878.5	234.4	909.4	895.5	13.83	65.764			
950.0	950.0	931.5	931.4	4.1	10.1	14.97	877.6	234.7	908.5	894.5	14.04	64.695			
1,000.0	1,000.0	981.8	981.7	4.1	10.3	15.01	876.6	235.0	907.7	893.5	14.26	63.650			
1,045.0	1,045.0	1,027.1	1,027.0	4.2	10.5	15.04	875.8	235.3	907.0	892.5	14.46	62.732			
1,100.0	1,100.0	1,082.4	1,082.3	4.2	10.6	15.07	874.7	235.6	906.0	891.3	14.70	61.635			
1,140.0	1,140.0	1,122.6	1,122.5	4.3	10.8	15.10	873.9	235.7	905.3	890.4	14.87	60.862			
1,200.0	1,200.0	1,183.0	1,182.9	4.4	11.0	15.13	872.7	236.0	904.2	889.1	15.14	59.732			
1,235.0	1,235.0	1,218.5	1,218.4	4.4	11.1	15.15	872.0	236.1	903.6	888.3	15.28	59.118			
1,300.0	1,300.0	1,284.5	1,284.3	4.5	11.3	15.17	870.7	236.1	902.3	886.8	15.56	57.999			
1,330.0	1,330.0	1,314.9	1,314.7	4.5	11.4	15.19	870.1	236.2	901.7	886.1	15.68	57.496			
1,400.0	1,400.0	1,386.3	1,386.1	4.6	11.6	15.21	868.6	236.1	900.3	884.3	15.98	56.340			
1,425.0	1,425.0	1,412.4	1,412.2	4.6	11.7	15.21	868.0	236.1	899.7	883.6	16.09	55.928			
1,500.0	1,500.0	1,490.4	1,490.2	4.7	12.0	15.25	865.9	236.1	897.9	881.5	16.41	54.711			
1,520.0	1,520.0	1,511.2	1,511.0	4.8	12.0	42.11	865.3	236.2	897.3	880.8	16.51	54.353			
1,600.0	1,600.0	1,586.1	1,585.8	4.9	12.2	42.28	863.1	236.5	893.9	877.0	16.83	53.126			
1,615.0	1,615.0	1,597.9	1,597.7	4.9	12.3	42.31	862.9	236.5	893.2	876.3	16.88	52.916			
1,700.0	1,699.8	1,667.1	1,666.8	5.2	12.4	42.54	862.3	236.5	889.0	871.8	17.18	51.738			
1,710.0	1,709.8	1,676.8	1,676.6	5.2	12.4	42.58	862.3	236.4	888.5	871.2	17.22	51.589			
1,800.0	1,799.5	1,764.3	1,764.0	5.4	12.5	42.99	862.4	236.3	882.7	865.1	17.58	50.214			
1,805.0	1,804.4	1,769.2	1,768.9	5.5	12.5	43.02	862.5	236.3	882.3	864.7	17.60	50.135			
1,900.0	1,898.7	1,861.5	1,861.2	5.7	12.7	43.64	862.8	236.4	874.1	856.1	17.99	48.586			
1,995.0	1,992.5	1,954.9	1,954.7	6.0	12.9	44.46	863.2	236.6	863.9	845.5	18.43	46.880			
2,000.0	1,997.5	1,959.8	1,959.6	6.0	12.9	44.51	863.2	236.7	863.3	844.8	18.45	46.789			
2,090.0	2,085.8	2,047.9	2,047.7	6.4	13.2	45.48	863.6	237.0	851.6	832.8	18.88	45.114			
2,100.0	2,095.6	2,057.8	2,057.5	6.4	13.2	45.60	863.6	237.0	850.2	831.3	18.93	44.926			
2,125.2	2,120.2	2,082.5	2,082.2	6.4	13.2	45.91	863.7	237.1	846.6	827.6	19.02	44.520			
2,185.0	2,178.6	2,141.2	2,141.0	6.6	13.4	46.55	864.0	237.3	837.8	818.6	19.26	43.491			
2,200.0	2,193.3	2,156.0	2,155.7	6.6	13.4	46.72	864.0	237.4	835.6	816.3	19.33	43.238			
2,280.0	2,271.4	2,234.5	2,234.2	6.9	13.6	47.59	864.4	237.6	824.1	804.4	19.70	41.836			
2,300.0	2,290.9	2,254.1	2,253.8	6.9	13.7	47.81	864.4	237.6	821.2	801.4	19.79	41.495			
2,375.0	2,364.1	2,327.4	2,327.2	7.2	13.9	48.66	864.7	237.8	810.6	790.4	20.15	40.234			
2,400.0	2,388.5	2,351.9	2,351.6	7.3	13.9	48.95	864.8	237.9	807.1	786.8	20.27	39.826			
2,470.0	2,456.9	2,420.4	2,420.1	7.5	14.1	49.77	865.0	238.1	797.4	776.8	20.60	38.703			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AWP													Offset Site Error: 0.0 usft		
Survey Program: 430-MWD				Rule Assigned:										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)					
2,500.0	2,486.2	2,449.8	2,449.5	7.6	14.2	50.13	865.1	238.2	793.3	772.5	20.74	38.250			
2,565.0	2,549.6	2,513.7	2,513.4	7.8	14.3	50.92	865.3	238.4	784.4	763.4	21.03	37.292			
2,600.0	2,583.8	2,548.0	2,547.7	7.9	14.4	51.36	865.3	238.6	779.7	758.5	21.19	36.792			
2,660.0	2,642.4	2,606.9	2,606.6	8.2	14.5	52.12	865.4	238.8	771.7	750.3	21.47	35.953			
2,700.0	2,681.4	2,646.2	2,645.9	8.3	14.6	52.63	865.5	239.0	766.5	744.8	21.66	35.393			
2,755.0	2,735.1	2,700.2	2,699.9	8.5	14.8	53.35	865.5	239.1	759.3	737.4	21.92	34.637			
2,800.0	2,779.0	2,744.4	2,744.1	8.7	14.9	53.94	865.6	239.2	753.6	731.4	22.14	34.037			
2,850.0	2,827.9	2,793.5	2,793.3	8.9	15.0	54.60	865.7	239.3	747.2	724.9	22.38	33.387			
2,900.0	2,876.7	2,842.4	2,842.1	9.1	15.2	55.27	865.7	239.3	741.0	718.3	22.66	32.694			
2,945.0	2,920.6	2,886.2	2,886.0	9.3	15.3	55.88	865.8	239.2	735.5	712.5	22.93	32.070			
3,000.0	2,974.3	2,939.8	2,939.6	9.5	15.5	56.63	865.9	239.2	728.8	705.6	23.26	31.338			
3,040.0	3,013.4	2,978.8	2,978.6	9.6	15.7	57.19	866.1	239.2	724.1	700.6	23.49	30.824			
3,100.0	3,071.9	3,037.5	3,037.2	9.9	15.9	58.04	866.2	239.1	717.1	693.3	23.84	30.085			
3,135.0	3,106.1	3,071.7	3,071.4	10.0	16.0	58.54	866.3	239.0	713.1	689.1	24.04	29.669			
3,200.0	3,169.6	3,135.3	3,135.0	10.3	16.2	59.48	866.5	238.9	705.9	681.5	24.40	28.929			
3,230.0	3,198.8	3,164.6	3,164.3	10.4	16.3	59.92	866.6	238.9	702.6	678.0	24.57	28.600			
3,300.0	3,267.2	3,233.1	3,232.8	10.7	16.6	60.97	866.7	238.8	695.1	670.1	24.95	27.863			
3,325.0	3,291.6	3,257.5	3,257.2	10.8	16.6	61.35	866.8	238.8	692.4	667.3	25.08	27.610			
3,400.0	3,364.8	3,330.9	3,330.6	11.1	16.9	62.51	867.0	238.7	684.7	659.3	25.47	26.881			
3,420.0	3,384.3	3,350.4	3,350.1	11.2	17.0	62.83	867.0	238.7	682.7	657.2	25.58	26.694			
3,500.0	3,462.4	3,429.0	3,428.7	11.6	17.2	64.11	867.1	238.6	674.9	649.0	25.91	26.044			
3,515.0	3,477.1	3,443.8	3,443.5	11.6	17.2	64.36	867.1	238.6	673.5	647.5	25.97	25.933			
3,600.0	3,560.1	3,527.5	3,527.2	12.0	17.4	65.77	867.1	238.6	665.5	639.2	26.28	25.327			
3,610.0	3,569.8	3,537.3	3,537.1	12.0	17.4	65.94	867.1	238.6	664.6	638.3	26.31	25.258			
3,700.0	3,657.7	3,625.4	3,625.1	12.4	17.7	67.46	867.0	238.5	656.6	630.0	26.65	24.640			
3,705.0	3,662.6	3,630.3	3,630.0	12.4	17.7	67.55	867.0	238.5	656.2	629.5	26.67	24.607			
3,800.0	3,755.3	3,723.0	3,722.7	12.9	17.9	69.19	866.9	238.4	648.3	621.3	27.03	23.989			
3,895.0	3,848.1	3,816.0	3,815.8	13.3	18.2	70.87	866.8	238.3	641.0	613.6	27.37	23.418			
3,900.0	3,853.0	3,821.0	3,820.7	13.3	18.2	70.96	866.8	238.3	640.6	613.2	27.39	23.389			
3,990.0	3,940.8	3,909.3	3,909.1	13.7	18.4	72.60	866.7	238.1	634.2	606.5	27.71	22.886			
4,000.0	3,950.6	3,919.2	3,918.9	13.7	18.4	72.78	866.7	238.1	633.5	605.8	27.75	22.832			
4,085.0	4,033.6	4,002.5	4,002.3	14.1	18.7	74.36	866.5	237.9	627.9	599.9	28.05	22.385			
4,088.3	4,036.8	4,005.8	4,005.5	14.1	18.7	74.42	866.5	237.9	627.7	599.6	28.06	22.367			
4,100.0	4,048.2	4,017.3	4,017.0	14.2	18.7	74.63	866.4	237.9	627.0	598.9	28.10	22.312			
4,180.0	4,126.6	4,096.0	4,095.7	14.5	19.0	75.93	866.2	237.7	622.5	594.1	28.41	21.912			
4,200.0	4,146.3	4,115.8	4,115.5	14.6	19.0	76.23	866.2	237.6	621.6	593.1	28.49	21.816			
4,275.0	4,220.2	4,189.8	4,189.5	15.0	19.2	77.27	866.0	237.3	618.3	589.5	28.79	21.481			
4,300.0	4,245.0	4,214.6	4,214.3	15.1	19.3	77.58	865.9	237.2	617.4	588.5	28.89	21.374			
4,370.0	4,314.4	4,283.9	4,283.6	15.4	19.5	78.37	865.7	237.0	615.1	586.0	29.16	21.093			
4,400.0	4,344.2	4,313.7	4,313.4	15.5	19.6	78.67	865.6	236.9	614.3	585.0	29.29	20.976			
4,465.0	4,408.9	4,378.2	4,377.9	15.8	19.8	79.22	865.4	236.7	612.8	583.3	29.55	20.738			
4,500.0	4,443.7	4,412.9	4,412.6	15.9	19.9	79.46	865.4	236.6	612.1	582.4	29.70	20.614			
4,560.0	4,503.6	4,472.5	4,472.2	16.2	20.1	79.80	865.2	236.4	611.2	581.3	29.94	20.414			
4,600.0	4,543.6	4,512.3	4,512.0	16.3	20.2	79.96	865.1	236.3	610.8	580.7	30.11	20.284			
4,655.0	4,598.5	4,567.5	4,567.2	16.5	20.4	80.10	865.0	236.1	610.3	580.0	30.34	20.118			
4,700.0	4,643.5	4,612.7	4,612.4	16.6	20.5	80.15	864.9	236.0	610.0	579.5	30.52	19.985			
4,713.5	4,657.0	4,626.2	4,625.9	16.6	20.6	80.31	864.9	236.0	610.0	579.4	30.57	19.953			
4,750.0	4,693.5	4,662.9	4,662.6	16.6	20.7	80.31	864.8	235.8	609.8	579.1	30.71	19.855			
4,800.0	4,743.5	4,713.1	4,712.8	16.6	20.8	80.31	864.7	235.6	609.6	578.7	30.91	19.722			
4,845.0	4,788.5	4,757.4	4,757.1	16.7	20.9	80.31	864.6	235.5	609.4	578.4	31.07	19.615			
4,900.0	4,843.5	4,811.6	4,811.3	16.7	21.1	80.31	864.6	235.4	609.3	578.0	31.26	19.489			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 430-MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	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)	Separation (usft)	Factor		
4,940.0	4,883.5	4,851.0	4,850.7	16.7	21.2	53.30	864.6	235.3	609.2	577.8	31.40	19.399		
4,987.1	4,930.6	4,897.4	4,897.1	16.8	21.3	53.30	864.6	235.2	609.2	577.6	31.57	19.296		
5,000.0	4,943.5	4,910.2	4,909.9	16.8	21.4	53.30	864.6	235.2	609.2	577.6	31.62	19.267		
5,035.0	4,978.5	4,944.9	4,944.6	16.8	21.5	53.29	864.7	235.2	609.2	577.5	31.75	19.189		
5,100.0	5,043.5	5,011.3	5,011.0	16.8	21.7	53.29	864.7	235.3	609.3	577.3	32.03	19.025		
5,130.0	5,073.5	5,046.1	5,045.8	16.8	21.8	53.34	864.2	235.4	609.1	576.9	32.22	18.907		
5,200.0	5,143.5	5,128.1	5,127.8	16.9	22.3	53.64	860.6	236.1	607.8	575.1	32.73	18.571		
5,225.0	5,168.5	5,157.9	5,157.5	16.9	22.6	53.83	858.4	236.5	607.0	574.0	32.94	18.424		
5,300.0	5,243.5	5,237.6	5,236.7	16.9	23.0	54.50	850.8	237.8	603.7	570.4	33.33	18.112		
5,320.0	5,263.5	5,257.5	5,256.6	16.9	23.0	54.67	848.8	238.1	602.8	569.4	33.40	18.048		
5,400.0	5,343.5	5,338.3	5,337.0	17.0	23.3	55.37	840.7	239.4	599.3	565.6	33.67	17.800		
5,415.0	5,358.5	5,353.6	5,352.1	17.0	23.3	55.50	839.2	239.6	598.6	564.9	33.72	17.754		
5,500.0	5,443.5	5,438.3	5,436.5	17.0	23.5	56.22	830.9	240.7	594.8	560.8	34.00	17.494		
5,510.0	5,453.5	5,448.2	5,446.3	17.0	23.6	56.30	829.9	240.8	594.3	560.3	34.03	17.464		
5,600.0	5,543.5	5,537.9	5,535.6	17.1	23.8	57.04	821.4	241.7	590.4	556.1	34.33	17.196		
5,605.0	5,548.5	5,542.9	5,540.6	17.1	23.9	57.08	820.9	241.8	590.2	555.8	34.35	17.181		
5,700.0	5,643.5	5,637.9	5,635.2	17.2	24.1	57.85	812.1	242.6	586.1	551.4	34.68	16.902		
5,795.0	5,738.5	5,730.2	5,727.1	17.2	24.4	58.60	803.6	243.4	582.2	547.2	35.00	16.632		
5,800.0	5,743.5	5,735.0	5,731.9	17.2	24.4	58.64	803.2	243.4	582.0	547.0	35.02	16.619		
5,890.0	5,833.5	5,823.0	5,819.5	17.3	24.7	59.31	795.8	244.3	578.9	543.5	35.34	16.381		
5,900.0	5,843.5	5,832.8	5,829.3	17.3	24.7	59.37	795.0	244.4	578.5	543.2	35.37	16.355		
5,985.0	5,928.5	5,914.8	5,911.1	17.3	24.9	59.92	789.1	244.9	575.9	540.2	35.68	16.142		
6,000.0	5,943.5	5,929.2	5,925.4	17.3	25.0	60.01	788.1	245.0	575.5	539.8	35.73	16.107		
6,080.0	6,023.5	6,014.0	6,010.0	17.4	25.2	60.55	782.2	245.6	573.2	537.2	36.03	15.909		
6,100.0	6,043.5	6,035.9	6,031.9	17.4	25.3	60.70	780.5	245.6	572.5	536.3	36.10	15.856		
6,175.0	6,118.5	6,108.1	6,103.9	17.4	25.5	61.20	774.8	245.7	569.7	533.3	36.38	15.661		
6,200.0	6,143.5	6,131.8	6,127.5	17.4	25.6	61.35	773.1	245.8	568.9	532.4	36.47	15.601		
6,270.0	6,213.5	6,201.2	6,196.7	17.5	25.8	61.78	768.5	246.0	566.8	530.1	36.73	15.434		
6,300.0	6,243.5	6,231.1	6,226.6	17.5	25.9	61.94	766.6	246.0	566.0	529.1	36.84	15.363		
6,365.0	6,308.5	6,298.0	6,293.4	17.5	26.1	62.31	762.4	245.9	564.0	526.9	37.09	15.206		
6,400.0	6,343.5	6,332.0	6,327.2	17.6	26.2	62.53	760.0	245.9	562.8	525.6	37.22	15.121		
6,460.0	6,403.5	6,391.0	6,386.1	17.6	26.4	62.90	755.9	245.9	560.9	523.5	37.45	14.978		
6,500.0	6,443.5	6,429.3	6,424.3	17.6	26.5	63.10	753.7	245.9	559.8	522.2	37.60	14.889		
6,555.0	6,498.5	6,485.4	6,480.4	17.6	26.7	63.38	750.6	245.8	558.4	520.6	37.82	14.765		
6,600.0	6,543.5	6,530.6	6,525.4	17.7	26.8	63.63	747.8	245.7	557.1	519.1	37.99	14.664		
6,650.0	6,593.5	6,577.6	6,572.4	17.7	27.0	63.89	745.1	245.8	555.9	517.7	38.18	14.560		
6,700.0	6,643.5	6,625.0	6,619.7	17.7	27.1	64.14	742.5	246.0	554.9	516.5	38.36	14.464		
6,745.0	6,688.5	6,670.0	6,664.7	17.8	27.3	64.37	740.1	246.3	554.1	515.6	38.54	14.378		
6,800.0	6,743.5	6,724.8	6,719.4	17.8	27.4	64.64	737.3	246.6	553.2	514.4	38.75	14.275		
6,840.0	6,783.5	6,763.9	6,758.5	17.8	27.6	64.83	735.5	246.8	552.5	513.6	38.90	14.202		
6,900.0	6,843.5	6,822.8	6,817.3	17.8	27.7	65.07	733.0	247.0	551.7	512.5	39.14	14.095		
6,935.0	6,878.5	6,857.4	6,851.8	17.9	27.9	65.17	731.9	247.0	551.2	511.9	39.28	14.033		
7,000.0	6,943.5	6,921.8	6,916.2	17.9	28.1	65.26	730.8	246.7	550.5	510.9	39.55	13.919		
7,030.0	6,973.5	6,951.8	6,946.2	17.9	28.2	65.28	730.5	246.5	550.1	510.5	39.67	13.867		
7,100.0	7,043.5	7,016.4	7,010.8	18.0	28.4	65.27	730.3	245.9	549.5	509.6	39.94	13.759		
7,106.4	7,050.0	7,022.0	7,016.4	18.0	28.4	65.26	730.5	245.8	549.5	509.5	39.96	13.751 CC, ES		
7,125.0	7,068.5	7,036.6	7,031.0	18.0	28.4	65.19	731.1	245.6	549.6	509.5	40.02	13.731		
7,200.0	7,143.5	7,086.0	7,080.1	18.0	28.6	64.65	736.4	244.6	551.7	511.5	40.21	13.719 SF		
7,220.0	7,163.5	7,097.9	7,091.9	18.0	28.7	64.45	738.4	244.5	553.0	512.7	40.25	13.738		
7,300.0	7,243.5	7,149.0	7,141.4	18.1	28.8	63.26	750.8	243.6	560.5	520.2	40.38	13.883		
7,315.0	7,258.5	7,161.3	7,153.1	18.1	28.9	62.90	754.6	243.3	562.4	522.0	40.42	13.914		

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: FLAMING SNAIL FED COM PROJECT - WHITE CITY 21 25 27 FEDERAL COM #6H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		430-MWD						Rule Assigned:						Offset Well Error:	3.0 usft
Measured	Vertical	Measured	Vertical	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)					
7,400.0	7,343.5	7,213.0	7,201.2	18.1	29.0	61.14	773.3	241.9	575.6	535.2	40.47	14.223			
7,410.0	7,353.5	7,220.2	7,207.8	18.2	29.0	60.87	776.3	241.7	577.6	537.1	40.49	14.264			
7,500.0	7,443.5	7,276.0	7,257.2	18.2	29.2	58.55	802.2	240.0	598.1	557.5	40.51	14.763			
7,505.0	7,448.5	7,276.0	7,257.2	18.2	29.2	58.55	802.2	240.0	599.4	558.9	40.47	14.812			
7,600.0	7,543.5	7,323.7	7,297.3	18.3	29.3	56.35	827.9	238.7	628.0	587.8	40.27	15.597			
7,695.0	7,638.5	7,372.0	7,335.4	18.3	29.4	53.94	857.5	237.1	663.7	623.7	40.03	16.580			
7,700.0	7,643.5	7,372.0	7,335.4	18.3	29.4	53.94	857.5	237.1	665.8	625.8	39.97	16.656			
7,790.0	7,733.5	7,404.0	7,359.1	18.4	29.5	52.27	878.9	235.8	706.1	666.6	39.47	17.889			
7,800.0	7,743.5	7,404.0	7,359.1	18.4	29.5	52.27	878.9	235.8	711.0	671.7	39.35	18.071			
7,885.0	7,828.5	7,435.0	7,380.8	18.4	29.6	50.61	901.0	234.5	754.9	716.0	38.88	19.414			
7,900.0	7,843.5	7,444.0	7,386.9	18.4	29.6	50.12	907.6	234.1	763.1	724.2	38.88	19.629			
7,980.0	7,923.5	7,467.0	7,401.9	18.5	29.6	48.88	925.1	233.2	809.4	771.1	38.35	21.107			
8,000.0	7,943.5	7,467.0	7,401.9	18.5	29.6	48.88	925.1	233.2	821.6	783.5	38.11	21.559			
8,075.0	8,018.5	7,499.0	7,421.4	18.6	29.7	47.16	950.4	232.0	869.2	831.3	37.87	22.950			
8,100.0	8,043.5	7,499.0	7,421.4	18.6	29.7	47.16	950.4	232.0	885.6	848.0	37.60	23.556			
8,170.0	8,113.5	7,513.7	7,429.9	18.6	29.7	46.38	962.4	231.5	933.3	896.1	37.14	25.130			
8,200.0	8,143.5	7,519.9	7,433.3	18.6	29.7	46.05	967.5	231.3	954.4	917.4	36.95	25.827			
8,265.0	8,208.5	7,531.0	7,439.4	18.7	29.8	45.47	976.8	231.0	1,001.3	964.7	36.54	27.399			
8,300.0	8,243.5	7,531.0	7,439.4	18.7	29.8	45.47	976.8	231.0	1,027.3	991.0	36.23	28.351			
8,360.0	8,303.5	7,549.1	7,448.8	18.7	29.8	44.53	992.3	230.6	1,072.6	1,036.5	36.06	29.744			
8,400.0	8,343.5	7,562.0	7,455.2	18.8	29.8	43.87	1,003.5	230.3	1,103.5	1,067.5	35.97	30.675			
8,455.0	8,398.5	7,562.0	7,455.2	18.8	29.8	43.87	1,003.5	230.3	1,146.6	1,111.0	35.57	32.232			
8,500.0	8,443.5	7,562.0	7,455.2	18.8	29.8	43.87	1,003.5	230.3	1,182.6	1,147.4	35.27	33.527			
8,550.0	8,493.5	7,577.6	7,462.5	18.8	29.9	43.08	1,017.3	230.1	1,223.0	1,187.8	35.22	34.726			
8,600.0	8,543.5	7,594.0	7,469.7	18.9	29.9	42.27	1,032.0	229.9	1,264.2	1,229.0	35.19	35.922			
8,645.0	8,588.5	7,594.0	7,469.7	18.9	29.9	42.27	1,032.0	229.9	1,301.5	1,266.6	34.96	37.233			

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 FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *RKB 32ft + GL 3150.5ft @ 3182.5usft

Offset Depths are relative to Offset Datum

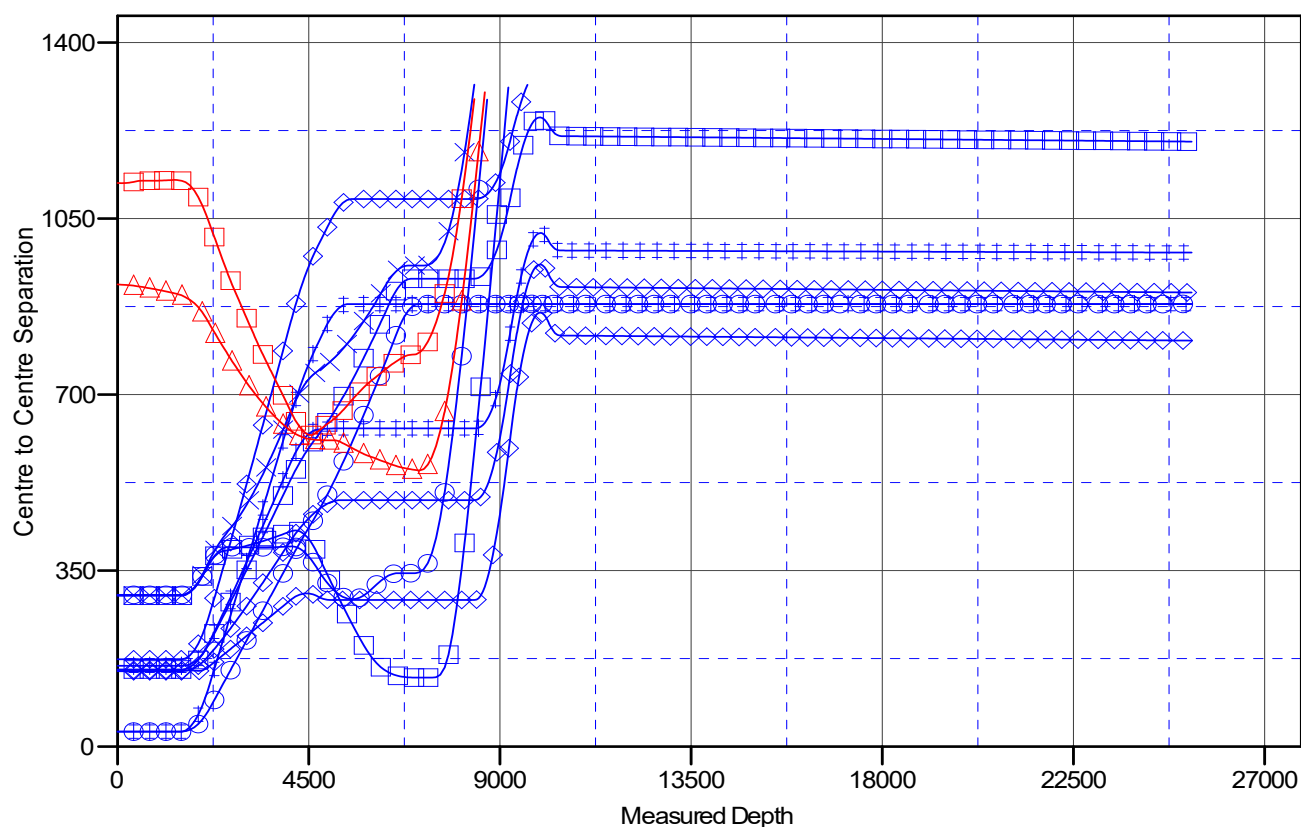
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: FLAMING SNAIL FEDERAL COM #805H

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

Grid Convergence at Surface is: 0.07°

Ladder Plot



LEGEND

FLAMING SNAIL FEDERAL COM #503H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #707H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #804H, OWB, PWP1 V0
FLAMING SNAIL FEDERAL COM #504H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #708H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #806H, OWB, PWP1 V0
FLAMING SNAIL FEDERAL COM #521H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #709H, OWB, PWP1 V0	WHITE CITY 21 25 27 FEDERAL COM #5H, OWB, AWP V0
FLAMING SNAIL FEDERAL COM #706H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #710H, OWB, PWP1 V0	WHITE CITY 21 25 27 FEDERAL COM #6H, OWB, AWP V0

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Reference Site:	FLAMING SNAIL FED COM PROJECT	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	FLAMING SNAIL FEDERAL COM #805H	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:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *RKB 32ft + GL 3150.5ft @ 3182.5usft

Offset Depths are relative to Offset Datum

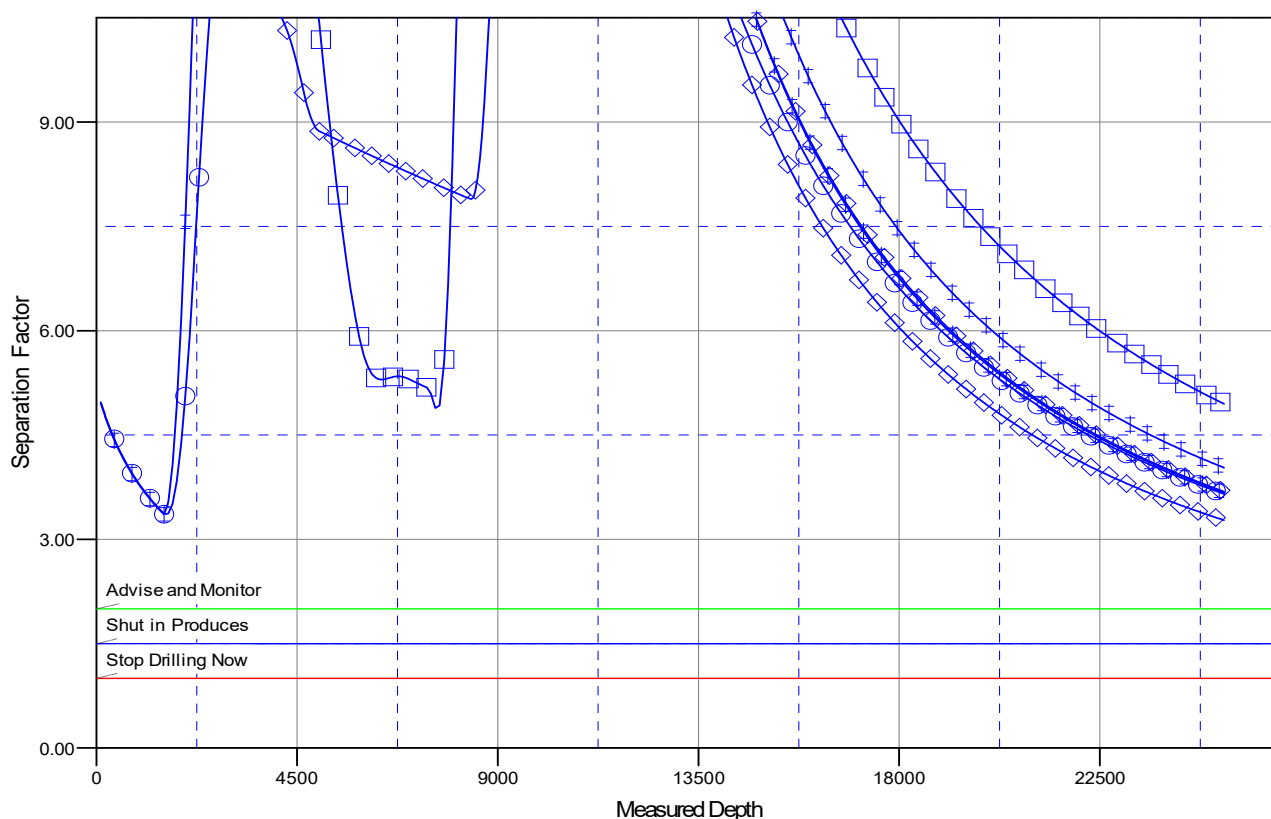
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: FLAMING SNAIL FEDERAL COM #805H

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

Grid Convergence at Surface is: 0.07°

Separation Factor Plot



LEGEND

FLAMING SNAIL FEDERAL COM #503H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #707H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #804H, OWB, PWP1 V0
FLAMING SNAIL FEDERAL COM #504H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #708H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #806H, OWB, PWP1 V0
FLAMING SNAIL FEDERAL COM #521H, OWB, PWP0 V0	FLAMING SNAIL FEDERAL COM #709H, OWB, PWP1 V0	WHITE CITY 21 25 27 FEDERAL COM #5H, OWB, AWP V0
FLAMING SNAIL FEDERAL COM #706H, OWB, PWP1 V0	FLAMING SNAIL FEDERAL COM #710H, OWB, PWP1 V0	WHITE CITY 21 25 27 FEDERAL COM #6H, OWB, AWP V0

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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

FLAMING SNAIL FED COM PROJECT

FLAMING SNAIL FEDERAL COM #805H

OWB

Plan: PWP1

Standard Planning Report

24 September, 2022

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

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	FLAMING SNAIL FED COM PROJECT		
Site Position:		Northing:	403,021.72 usft
From:	Map	Easting:	540,311.87 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 28.642 N
		Longitude:	104° 12' 11.304 W
		Grid Convergence:	0.07 °

Well	FLAMING SNAIL FEDERAL COM #805H		
Well Position	+N/-S	-493.7 usft	Northing: 402,528.00 usft
	+E/-W	1,725.2 usft	Easting: 542,037.10 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:
			Ground Level: 3,150.5 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/1/2023	6.78	59.68	47,314.44543972

Design	PWP1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	181.48

Plan Survey Tool Program	Date	9/23/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	1,500.0 PWP1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp
2	1,500.0	9,239.5 PWP1 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
3	9,239.5	25,284.5 PWP1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,125.2	12.50	333.17	2,120.2	60.6	-30.7	2.00	2.00	0.00	333.17	
4,088.3	12.50	333.17	4,036.8	439.9	-222.5	0.00	0.00	0.00	0.00	
4,713.5	0.00	0.00	4,657.0	500.5	-253.2	2.00	-2.00	0.00	180.00	
9,239.5	0.00	0.00	9,183.0	500.5	-253.2	0.00	0.00	0.00	0.00	VT (FLAMING SNAIL
10,139.0	89.95	180.51	9,756.0	-72.0	-258.3	10.00	10.00	-19.95	180.51	
25,154.5	89.95	180.51	9,767.9	-15,086.8	-391.5	0.00	0.00	0.00	0.00	LTP (FLAMING SNAII
25,284.5	89.95	180.51	9,768.0	-15,216.8	-392.7	0.00	0.00	0.00	0.00	PBHL (FLAMING SN#

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	333.17	1,600.0	1.6	-0.8	-1.5	2.00	2.00	0.00
1,700.0	4.00	333.17	1,699.8	6.2	-3.2	-6.1	2.00	2.00	0.00
1,800.0	6.00	333.17	1,799.5	14.0	-7.1	-13.8	2.00	2.00	0.00
1,900.0	8.00	333.17	1,898.7	24.9	-12.6	-24.5	2.00	2.00	0.00
2,000.0	10.00	333.17	1,997.5	38.8	-19.6	-38.3	2.00	2.00	0.00
2,100.0	12.00	333.17	2,095.6	55.9	-28.3	-55.1	2.00	2.00	0.00
2,125.2	12.50	333.17	2,120.2	60.6	-30.7	-59.8	2.00	2.00	0.00
Start 1963.1 hold at 2125.2 MD									
2,200.0	12.50	333.17	2,193.3	75.1	-38.0	-74.1	0.00	0.00	0.00
2,300.0	12.50	333.17	2,290.9	94.4	-47.8	-93.1	0.00	0.00	0.00
2,400.0	12.50	333.17	2,388.5	113.7	-57.5	-112.2	0.00	0.00	0.00
2,500.0	12.50	333.17	2,486.2	133.0	-67.3	-131.3	0.00	0.00	0.00
2,600.0	12.50	333.17	2,583.8	152.4	-77.1	-150.3	0.00	0.00	0.00
2,700.0	12.50	333.17	2,681.4	171.7	-86.8	-169.4	0.00	0.00	0.00
2,800.0	12.50	333.17	2,779.0	191.0	-96.6	-188.4	0.00	0.00	0.00
2,900.0	12.50	333.17	2,876.7	210.3	-106.4	-207.5	0.00	0.00	0.00
3,000.0	12.50	333.17	2,974.3	229.6	-116.2	-226.6	0.00	0.00	0.00
3,100.0	12.50	333.17	3,071.9	248.9	-125.9	-245.6	0.00	0.00	0.00
3,200.0	12.50	333.17	3,169.6	268.3	-135.7	-264.7	0.00	0.00	0.00
3,300.0	12.50	333.17	3,267.2	287.6	-145.5	-283.7	0.00	0.00	0.00
3,400.0	12.50	333.17	3,364.8	306.9	-155.3	-302.8	0.00	0.00	0.00
3,500.0	12.50	333.17	3,462.4	326.2	-165.0	-321.9	0.00	0.00	0.00
3,600.0	12.50	333.17	3,560.1	345.5	-174.8	-340.9	0.00	0.00	0.00
3,700.0	12.50	333.17	3,657.7	364.9	-184.6	-360.0	0.00	0.00	0.00
3,800.0	12.50	333.17	3,755.3	384.2	-194.4	-379.0	0.00	0.00	0.00
3,900.0	12.50	333.17	3,853.0	403.5	-204.1	-398.1	0.00	0.00	0.00
4,000.0	12.50	333.17	3,950.6	422.8	-213.9	-417.2	0.00	0.00	0.00
4,088.3	12.50	333.17	4,036.8	439.9	-222.5	-434.0	0.00	0.00	0.00
Start Drop -2.00									
4,100.0	12.27	333.17	4,048.2	442.1	-223.7	-436.2	2.00	-2.00	0.00
4,200.0	10.27	333.17	4,146.3	459.6	-232.5	-453.4	2.00	-2.00	0.00
4,300.0	8.27	333.17	4,245.0	473.9	-239.8	-467.6	2.00	-2.00	0.00
4,400.0	6.27	333.17	4,344.2	485.2	-245.5	-478.7	2.00	-2.00	0.00
4,500.0	4.27	333.17	4,443.7	493.4	-249.6	-486.8	2.00	-2.00	0.00
4,600.0	2.27	333.17	4,543.6	498.5	-252.2	-491.8	2.00	-2.00	0.00
4,700.0	0.27	333.17	4,643.5	500.5	-253.2	-493.8	2.00	-2.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,713.5	0.00	0.00	4,657.0	500.5	-253.2	-493.8	2.00	-2.00	0.00
Start 4526.0 hold at 4713.5 MD									
4,800.0	0.00	0.00	4,743.5	500.5	-253.2	-493.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,843.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,943.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,043.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,143.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,243.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,343.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,443.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,543.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,643.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,743.5	500.5	-253.2	-493.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,843.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,943.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,043.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,143.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,243.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,343.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,443.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,543.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,643.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,743.5	500.5	-253.2	-493.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,843.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,943.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,043.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,143.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,243.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,343.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,443.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,543.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,643.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,743.5	500.5	-253.2	-493.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,843.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,943.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,043.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,143.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,243.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,343.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,443.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,543.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,643.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,743.5	500.5	-253.2	-493.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,843.5	500.5	-253.2	-493.8	0.00	0.00	0.00
9,000.0	0.00	0.00	8,943.5	500.5	-253.2	-493.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,043.5	500.5	-253.2	-493.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,143.5	500.5	-253.2	-493.8	0.00	0.00	0.00
9,239.5	0.00	0.00	9,183.0	500.5	-253.2	-493.8	0.00	0.00	0.00
Start DLS 10.00 TFO 180.51									
9,250.0	1.05	180.51	9,193.5	500.4	-253.2	-493.7	10.00	10.00	0.00
9,300.0	6.05	180.51	9,243.4	497.3	-253.2	-490.6	10.00	10.00	0.00
9,350.0	11.05	180.51	9,292.9	489.9	-253.3	-483.2	10.00	10.00	0.00
9,400.0	16.05	180.51	9,341.4	478.2	-253.4	-471.5	10.00	10.00	0.00
9,450.0	21.05	180.51	9,388.8	462.3	-253.5	-455.6	10.00	10.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.0	26.05	180.51	9,434.7	442.3	-253.7	-435.6	10.00	10.00	0.00
9,550.0	31.05	180.51	9,478.6	418.4	-253.9	-411.7	10.00	10.00	0.00
9,600.0	36.05	180.51	9,520.2	390.8	-254.2	-384.1	10.00	10.00	0.00
9,650.0	41.05	180.51	9,559.3	359.6	-254.4	-353.0	10.00	10.00	0.00
9,700.0	46.05	180.51	9,595.5	325.2	-254.8	-318.5	10.00	10.00	0.00
9,750.0	51.05	180.51	9,628.6	287.7	-255.1	-281.1	10.00	10.00	0.00
9,800.0	56.05	180.51	9,658.3	247.5	-255.4	-240.9	10.00	10.00	0.00
9,850.0	61.05	180.51	9,684.4	204.9	-255.8	-198.2	10.00	10.00	0.00
9,900.0	66.05	180.51	9,706.7	160.1	-256.2	-153.5	10.00	10.00	0.00
9,950.0	71.05	180.51	9,724.9	113.6	-256.6	-107.0	10.00	10.00	0.00
10,000.0	76.05	180.51	9,739.1	65.7	-257.1	-59.0	10.00	10.00	0.00
10,050.0	81.05	180.51	9,749.0	16.7	-257.5	-10.1	10.00	10.00	0.00
10,100.0	86.05	180.51	9,754.6	-33.0	-257.9	39.6	10.00	10.00	0.00
10,139.0	89.95	180.51	9,756.0	-72.0	-258.3	78.6	10.00	10.00	0.00
Start 15015.4 hold at 10139.0 MD									
10,200.0	89.95	180.51	9,756.0	-132.9	-258.8	139.6	0.00	0.00	0.00
10,300.0	89.95	180.51	9,756.1	-232.9	-259.7	239.5	0.00	0.00	0.00
10,400.0	89.95	180.51	9,756.2	-332.9	-260.6	339.5	0.00	0.00	0.00
10,500.0	89.95	180.51	9,756.3	-432.9	-261.5	439.5	0.00	0.00	0.00
10,600.0	89.95	180.51	9,756.4	-532.9	-262.4	539.5	0.00	0.00	0.00
10,700.0	89.95	180.51	9,756.4	-632.9	-263.3	639.5	0.00	0.00	0.00
10,800.0	89.95	180.51	9,756.5	-732.9	-264.1	739.5	0.00	0.00	0.00
10,900.0	89.95	180.51	9,756.6	-832.9	-265.0	839.5	0.00	0.00	0.00
11,000.0	89.95	180.51	9,756.7	-932.9	-265.9	939.4	0.00	0.00	0.00
11,100.0	89.95	180.51	9,756.8	-1,032.9	-266.8	1,039.4	0.00	0.00	0.00
11,200.0	89.95	180.51	9,756.8	-1,132.9	-267.7	1,139.4	0.00	0.00	0.00
11,300.0	89.95	180.51	9,756.9	-1,232.9	-268.6	1,239.4	0.00	0.00	0.00
11,400.0	89.95	180.51	9,757.0	-1,332.9	-269.5	1,339.4	0.00	0.00	0.00
11,500.0	89.95	180.51	9,757.1	-1,432.9	-270.4	1,439.4	0.00	0.00	0.00
11,600.0	89.95	180.51	9,757.2	-1,532.9	-271.2	1,539.4	0.00	0.00	0.00
11,700.0	89.95	180.51	9,757.2	-1,632.9	-272.1	1,639.3	0.00	0.00	0.00
11,800.0	89.95	180.51	9,757.3	-1,732.9	-273.0	1,739.3	0.00	0.00	0.00
11,900.0	89.95	180.51	9,757.4	-1,832.9	-273.9	1,839.3	0.00	0.00	0.00
12,000.0	89.95	180.51	9,757.5	-1,932.9	-274.8	1,939.3	0.00	0.00	0.00
12,100.0	89.95	180.51	9,757.6	-2,032.9	-275.7	2,039.3	0.00	0.00	0.00
12,200.0	89.95	180.51	9,757.6	-2,132.9	-276.6	2,139.3	0.00	0.00	0.00
12,300.0	89.95	180.51	9,757.7	-2,232.8	-277.5	2,239.3	0.00	0.00	0.00
12,400.0	89.95	180.51	9,757.8	-2,332.8	-278.3	2,339.2	0.00	0.00	0.00
12,500.0	89.95	180.51	9,757.9	-2,432.8	-279.2	2,439.2	0.00	0.00	0.00
12,600.0	89.95	180.51	9,757.9	-2,532.8	-280.1	2,539.2	0.00	0.00	0.00
12,700.0	89.95	180.51	9,758.0	-2,632.8	-281.0	2,639.2	0.00	0.00	0.00
12,800.0	89.95	180.51	9,758.1	-2,732.8	-281.9	2,739.2	0.00	0.00	0.00
12,900.0	89.95	180.51	9,758.2	-2,832.8	-282.8	2,839.2	0.00	0.00	0.00
13,000.0	89.95	180.51	9,758.3	-2,932.8	-283.7	2,939.2	0.00	0.00	0.00
13,100.0	89.95	180.51	9,758.3	-3,032.8	-284.5	3,039.1	0.00	0.00	0.00
13,200.0	89.95	180.51	9,758.4	-3,132.8	-285.4	3,139.1	0.00	0.00	0.00
13,300.0	89.95	180.51	9,758.5	-3,232.8	-286.3	3,239.1	0.00	0.00	0.00
13,400.0	89.95	180.51	9,758.6	-3,332.8	-287.2	3,339.1	0.00	0.00	0.00
13,500.0	89.95	180.51	9,758.7	-3,432.8	-288.1	3,439.1	0.00	0.00	0.00
13,600.0	89.95	180.51	9,758.7	-3,532.8	-289.0	3,539.1	0.00	0.00	0.00
13,700.0	89.95	180.51	9,758.8	-3,632.8	-289.9	3,639.1	0.00	0.00	0.00
13,800.0	89.95	180.51	9,758.9	-3,732.8	-290.8	3,739.0	0.00	0.00	0.00
13,900.0	89.95	180.51	9,759.0	-3,832.8	-291.6	3,839.0	0.00	0.00	0.00
14,000.0	89.95	180.51	9,759.1	-3,932.8	-292.5	3,939.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.0	89.95	180.51	9,759.1	-4,032.8	-293.4	4,039.0	0.00	0.00	0.00
14,200.0	89.95	180.51	9,759.2	-4,132.8	-294.3	4,139.0	0.00	0.00	0.00
14,300.0	89.95	180.51	9,759.3	-4,232.8	-295.2	4,239.0	0.00	0.00	0.00
14,400.0	89.95	180.51	9,759.4	-4,332.8	-296.1	4,339.0	0.00	0.00	0.00
14,500.0	89.95	180.51	9,759.5	-4,432.8	-297.0	4,438.9	0.00	0.00	0.00
14,600.0	89.95	180.51	9,759.5	-4,532.8	-297.9	4,538.9	0.00	0.00	0.00
14,700.0	89.95	180.51	9,759.6	-4,632.8	-298.7	4,638.9	0.00	0.00	0.00
14,800.0	89.95	180.51	9,759.7	-4,732.7	-299.6	4,738.9	0.00	0.00	0.00
14,900.0	89.95	180.51	9,759.8	-4,832.7	-300.5	4,838.9	0.00	0.00	0.00
15,000.0	89.95	180.51	9,759.9	-4,932.7	-301.4	4,938.9	0.00	0.00	0.00
15,100.0	89.95	180.51	9,759.9	-5,032.7	-302.3	5,038.9	0.00	0.00	0.00
15,200.0	89.95	180.51	9,760.0	-5,132.7	-303.2	5,138.8	0.00	0.00	0.00
15,300.0	89.95	180.51	9,760.1	-5,232.7	-304.1	5,238.8	0.00	0.00	0.00
15,400.0	89.95	180.51	9,760.2	-5,332.7	-305.0	5,338.8	0.00	0.00	0.00
15,500.0	89.95	180.51	9,760.2	-5,432.7	-305.8	5,438.8	0.00	0.00	0.00
15,600.0	89.95	180.51	9,760.3	-5,532.7	-306.7	5,538.8	0.00	0.00	0.00
15,700.0	89.95	180.51	9,760.4	-5,632.7	-307.6	5,638.8	0.00	0.00	0.00
15,800.0	89.95	180.51	9,760.5	-5,732.7	-308.5	5,738.8	0.00	0.00	0.00
15,900.0	89.95	180.51	9,760.6	-5,832.7	-309.4	5,838.7	0.00	0.00	0.00
16,000.0	89.95	180.51	9,760.6	-5,932.7	-310.3	5,938.7	0.00	0.00	0.00
16,100.0	89.95	180.51	9,760.7	-6,032.7	-311.2	6,038.7	0.00	0.00	0.00
16,200.0	89.95	180.51	9,760.8	-6,132.7	-312.1	6,138.7	0.00	0.00	0.00
16,300.0	89.95	180.51	9,760.9	-6,232.7	-312.9	6,238.7	0.00	0.00	0.00
16,400.0	89.95	180.51	9,761.0	-6,332.7	-313.8	6,338.7	0.00	0.00	0.00
16,500.0	89.95	180.51	9,761.0	-6,432.7	-314.7	6,438.7	0.00	0.00	0.00
16,600.0	89.95	180.51	9,761.1	-6,532.7	-315.6	6,538.6	0.00	0.00	0.00
16,700.0	89.95	180.51	9,761.2	-6,632.7	-316.5	6,638.6	0.00	0.00	0.00
16,800.0	89.95	180.51	9,761.3	-6,732.7	-317.4	6,738.6	0.00	0.00	0.00
16,900.0	89.95	180.51	9,761.4	-6,832.7	-318.3	6,838.6	0.00	0.00	0.00
17,000.0	89.95	180.51	9,761.4	-6,932.7	-319.2	6,938.6	0.00	0.00	0.00
17,100.0	89.95	180.51	9,761.5	-7,032.7	-320.0	7,038.6	0.00	0.00	0.00
17,200.0	89.95	180.51	9,761.6	-7,132.7	-320.9	7,138.6	0.00	0.00	0.00
17,300.0	89.95	180.51	9,761.7	-7,232.6	-321.8	7,238.5	0.00	0.00	0.00
17,400.0	89.95	180.51	9,761.8	-7,332.6	-322.7	7,338.5	0.00	0.00	0.00
17,500.0	89.95	180.51	9,761.8	-7,432.6	-323.6	7,438.5	0.00	0.00	0.00
17,600.0	89.95	180.51	9,761.9	-7,532.6	-324.5	7,538.5	0.00	0.00	0.00
17,700.0	89.95	180.51	9,762.0	-7,632.6	-325.4	7,638.5	0.00	0.00	0.00
17,800.0	89.95	180.51	9,762.1	-7,732.6	-326.2	7,738.5	0.00	0.00	0.00
17,900.0	89.95	180.51	9,762.1	-7,832.6	-327.1	7,838.5	0.00	0.00	0.00
18,000.0	89.95	180.51	9,762.2	-7,932.6	-328.0	7,938.4	0.00	0.00	0.00
18,100.0	89.95	180.51	9,762.3	-8,032.6	-328.9	8,038.4	0.00	0.00	0.00
18,200.0	89.95	180.51	9,762.4	-8,132.6	-329.8	8,138.4	0.00	0.00	0.00
18,300.0	89.95	180.51	9,762.5	-8,232.6	-330.7	8,238.4	0.00	0.00	0.00
18,400.0	89.95	180.51	9,762.5	-8,332.6	-331.6	8,338.4	0.00	0.00	0.00
18,500.0	89.95	180.51	9,762.6	-8,432.6	-332.5	8,438.4	0.00	0.00	0.00
18,600.0	89.95	180.51	9,762.7	-8,532.6	-333.3	8,538.4	0.00	0.00	0.00
18,700.0	89.95	180.51	9,762.8	-8,632.6	-334.2	8,638.3	0.00	0.00	0.00
18,800.0	89.95	180.51	9,762.9	-8,732.6	-335.1	8,738.3	0.00	0.00	0.00
18,900.0	89.95	180.51	9,762.9	-8,832.6	-336.0	8,838.3	0.00	0.00	0.00
19,000.0	89.95	180.51	9,763.0	-8,932.6	-336.9	8,938.3	0.00	0.00	0.00
19,100.0	89.95	180.51	9,763.1	-9,032.6	-337.8	9,038.3	0.00	0.00	0.00
19,200.0	89.95	180.51	9,763.2	-9,132.6	-338.7	9,138.3	0.00	0.00	0.00
19,300.0	89.95	180.51	9,763.3	-9,232.6	-339.6	9,238.3	0.00	0.00	0.00
19,400.0	89.95	180.51	9,763.3	-9,332.6	-340.4	9,338.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,500.0	89.95	180.51	9,763.4	-9,432.6	-341.3	9,438.2	0.00	0.00	0.00
19,600.0	89.95	180.51	9,763.5	-9,532.6	-342.2	9,538.2	0.00	0.00	0.00
19,700.0	89.95	180.51	9,763.6	-9,632.6	-343.1	9,638.2	0.00	0.00	0.00
19,800.0	89.95	180.51	9,763.7	-9,732.5	-344.0	9,738.2	0.00	0.00	0.00
19,900.0	89.95	180.51	9,763.7	-9,832.5	-344.9	9,838.2	0.00	0.00	0.00
20,000.0	89.95	180.51	9,763.8	-9,932.5	-345.8	9,938.2	0.00	0.00	0.00
20,100.0	89.95	180.51	9,763.9	-10,032.5	-346.7	10,038.1	0.00	0.00	0.00
20,200.0	89.95	180.51	9,764.0	-10,132.5	-347.5	10,138.1	0.00	0.00	0.00
20,300.0	89.95	180.51	9,764.1	-10,232.5	-348.4	10,238.1	0.00	0.00	0.00
20,400.0	89.95	180.51	9,764.1	-10,332.5	-349.3	10,338.1	0.00	0.00	0.00
20,500.0	89.95	180.51	9,764.2	-10,432.5	-350.2	10,438.1	0.00	0.00	0.00
20,600.0	89.95	180.51	9,764.3	-10,532.5	-351.1	10,538.1	0.00	0.00	0.00
20,700.0	89.95	180.51	9,764.4	-10,632.5	-352.0	10,638.1	0.00	0.00	0.00
20,800.0	89.95	180.51	9,764.4	-10,732.5	-352.9	10,738.0	0.00	0.00	0.00
20,900.0	89.95	180.51	9,764.5	-10,832.5	-353.8	10,838.0	0.00	0.00	0.00
21,000.0	89.95	180.51	9,764.6	-10,932.5	-354.6	10,938.0	0.00	0.00	0.00
21,100.0	89.95	180.51	9,764.7	-11,032.5	-355.5	11,038.0	0.00	0.00	0.00
21,200.0	89.95	180.51	9,764.8	-11,132.5	-356.4	11,138.0	0.00	0.00	0.00
21,300.0	89.95	180.51	9,764.8	-11,232.5	-357.3	11,238.0	0.00	0.00	0.00
21,400.0	89.95	180.51	9,764.9	-11,332.5	-358.2	11,338.0	0.00	0.00	0.00
21,500.0	89.95	180.51	9,765.0	-11,432.5	-359.1	11,437.9	0.00	0.00	0.00
21,600.0	89.95	180.51	9,765.1	-11,532.5	-360.0	11,537.9	0.00	0.00	0.00
21,700.0	89.95	180.51	9,765.2	-11,632.5	-360.9	11,637.9	0.00	0.00	0.00
21,800.0	89.95	180.51	9,765.2	-11,732.5	-361.7	11,737.9	0.00	0.00	0.00
21,900.0	89.95	180.51	9,765.3	-11,832.5	-362.6	11,837.9	0.00	0.00	0.00
22,000.0	89.95	180.51	9,765.4	-11,932.5	-363.5	11,937.9	0.00	0.00	0.00
22,100.0	89.95	180.51	9,765.5	-12,032.5	-364.4	12,037.9	0.00	0.00	0.00
22,200.0	89.95	180.51	9,765.6	-12,132.5	-365.3	12,137.8	0.00	0.00	0.00
22,300.0	89.95	180.51	9,765.6	-12,232.5	-366.2	12,237.8	0.00	0.00	0.00
22,400.0	89.95	180.51	9,765.7	-12,332.4	-367.1	12,337.8	0.00	0.00	0.00
22,500.0	89.95	180.51	9,765.8	-12,432.4	-367.9	12,437.8	0.00	0.00	0.00
22,600.0	89.95	180.51	9,765.9	-12,532.4	-368.8	12,537.8	0.00	0.00	0.00
22,700.0	89.95	180.51	9,766.0	-12,632.4	-369.7	12,637.8	0.00	0.00	0.00
22,800.0	89.95	180.51	9,766.0	-12,732.4	-370.6	12,737.8	0.00	0.00	0.00
22,900.0	89.95	180.51	9,766.1	-12,832.4	-371.5	12,837.7	0.00	0.00	0.00
23,000.0	89.95	180.51	9,766.2	-12,932.4	-372.4	12,937.7	0.00	0.00	0.00
23,100.0	89.95	180.51	9,766.3	-13,032.4	-373.3	13,037.7	0.00	0.00	0.00
23,200.0	89.95	180.51	9,766.3	-13,132.4	-374.2	13,137.7	0.00	0.00	0.00
23,300.0	89.95	180.51	9,766.4	-13,232.4	-375.0	13,237.7	0.00	0.00	0.00
23,400.0	89.95	180.51	9,766.5	-13,332.4	-375.9	13,337.7	0.00	0.00	0.00
23,500.0	89.95	180.51	9,766.6	-13,432.4	-376.8	13,437.7	0.00	0.00	0.00
23,600.0	89.95	180.51	9,766.7	-13,532.4	-377.7	13,537.6	0.00	0.00	0.00
23,700.0	89.95	180.51	9,766.7	-13,632.4	-378.6	13,637.6	0.00	0.00	0.00
23,800.0	89.95	180.51	9,766.8	-13,732.4	-379.5	13,737.6	0.00	0.00	0.00
23,900.0	89.95	180.51	9,766.9	-13,832.4	-380.4	13,837.6	0.00	0.00	0.00
24,000.0	89.95	180.51	9,767.0	-13,932.4	-381.3	13,937.6	0.00	0.00	0.00
24,100.0	89.95	180.51	9,767.1	-14,032.4	-382.1	14,037.6	0.00	0.00	0.00
24,200.0	89.95	180.51	9,767.1	-14,132.4	-383.0	14,137.6	0.00	0.00	0.00
24,300.0	89.95	180.51	9,767.2	-14,232.4	-383.9	14,237.5	0.00	0.00	0.00
24,400.0	89.95	180.51	9,767.3	-14,332.4	-384.8	14,337.5	0.00	0.00	0.00
24,500.0	89.95	180.51	9,767.4	-14,432.4	-385.7	14,437.5	0.00	0.00	0.00
24,600.0	89.95	180.51	9,767.5	-14,532.4	-386.6	14,537.5	0.00	0.00	0.00
24,700.0	89.95	180.51	9,767.5	-14,632.4	-387.5	14,637.5	0.00	0.00	0.00
24,800.0	89.95	180.51	9,767.6	-14,732.4	-388.4	14,737.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well FLAMING SNAIL FEDERAL COM #805H
Company:	DELAWARE BASIN WEST	TVD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	*RKB 32ft + GL 3150.5ft @ 3182.5usft
Site:	FLAMING SNAIL FED COM PROJECT	North Reference:	Grid
Well:	FLAMING SNAIL FEDERAL COM #805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP1		

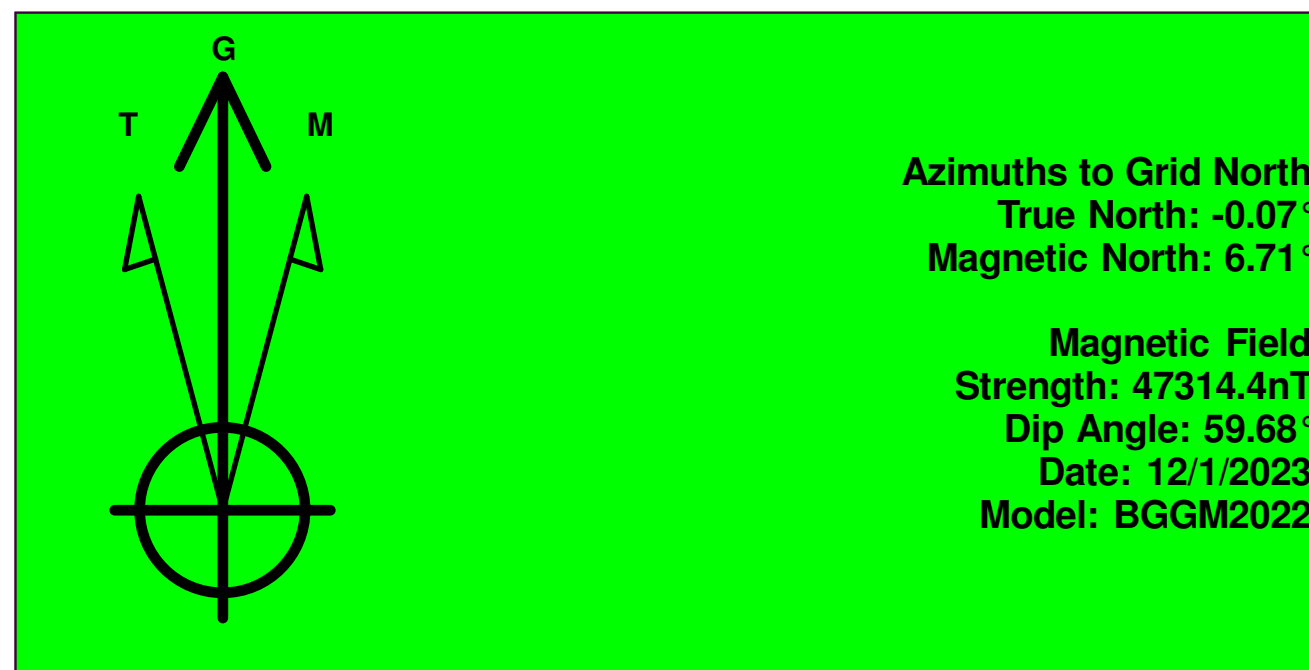
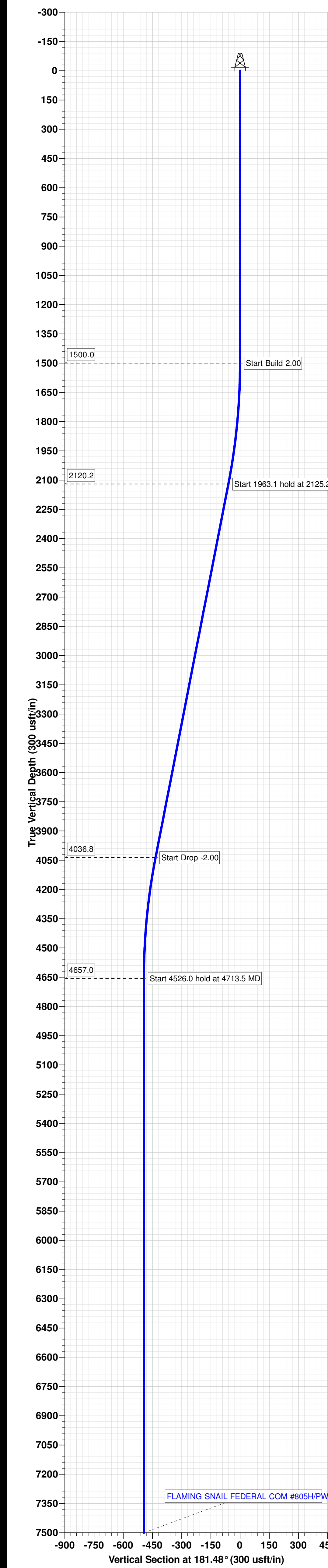
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,900.0	89.95	180.51	9,767.7	-14,832.3	-389.2	14,837.5	0.00	0.00	0.00
25,000.0	89.95	180.51	9,767.8	-14,932.3	-390.1	14,937.4	0.00	0.00	0.00
25,100.0	89.95	180.51	9,767.9	-15,032.3	-391.0	15,037.4	0.00	0.00	0.00
25,154.5	89.95	180.51	9,767.9	-15,086.8	-391.5	15,091.9	0.00	0.00	0.00
Start 130.0 hold at 25154.5 MD									
25,200.0	89.95	180.51	9,767.9	-15,132.3	-391.9	15,137.4	0.00	0.00	0.00
25,284.5	89.95	180.51	9,768.0	-15,216.8	-392.7	15,221.9	0.00	0.00	0.00
TD at 25284.5									

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 (FLAMING SNAIL FE - plan hits target center - Circle (radius 25.0)	0.00	0.00	9,183.0	500.5	-253.2	403,028.50	541,783.90	32° 6' 28.691 N	104° 11' 54.189 W
FTP (FLAMING SNAIL F - plan misses target center by 70.6usft at 9867.9usft MD (9692.8 TVD, 189.1 N, -256.0 E) - Circle (radius 50.0)	0.00	0.00	9,756.0	220.5	-255.7	402,748.50	541,781.40	32° 6' 25.920 N	104° 11' 54.222 W
LTP (FLAMING SNAIL F - plan hits target center - Point	0.00	0.00	9,767.9	-15,086.8	-391.5	387,441.20	541,645.60	32° 3' 54.432 N	104° 11' 56.023 W
PBHL (FLAMING SNAIL - plan hits target center - Rectangle (sides W100.0 H15,437.9 D20.0)	0.05	0.51	9,768.0	-15,216.8	-392.7	387,311.20	541,644.40	32° 3' 53.145 N	104° 11' 56.039 W

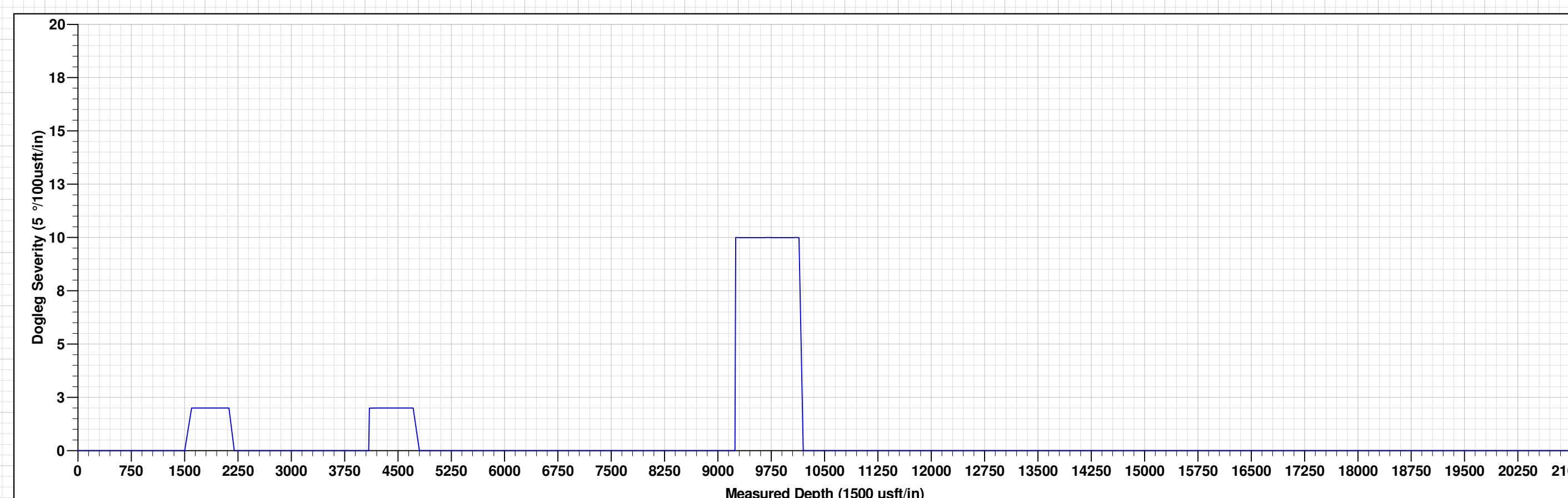
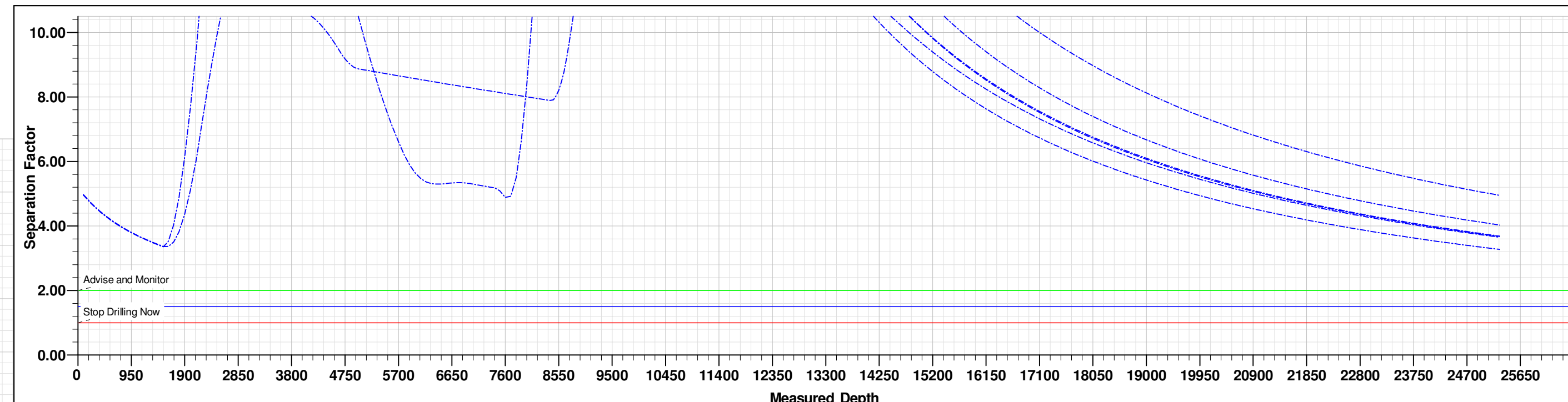
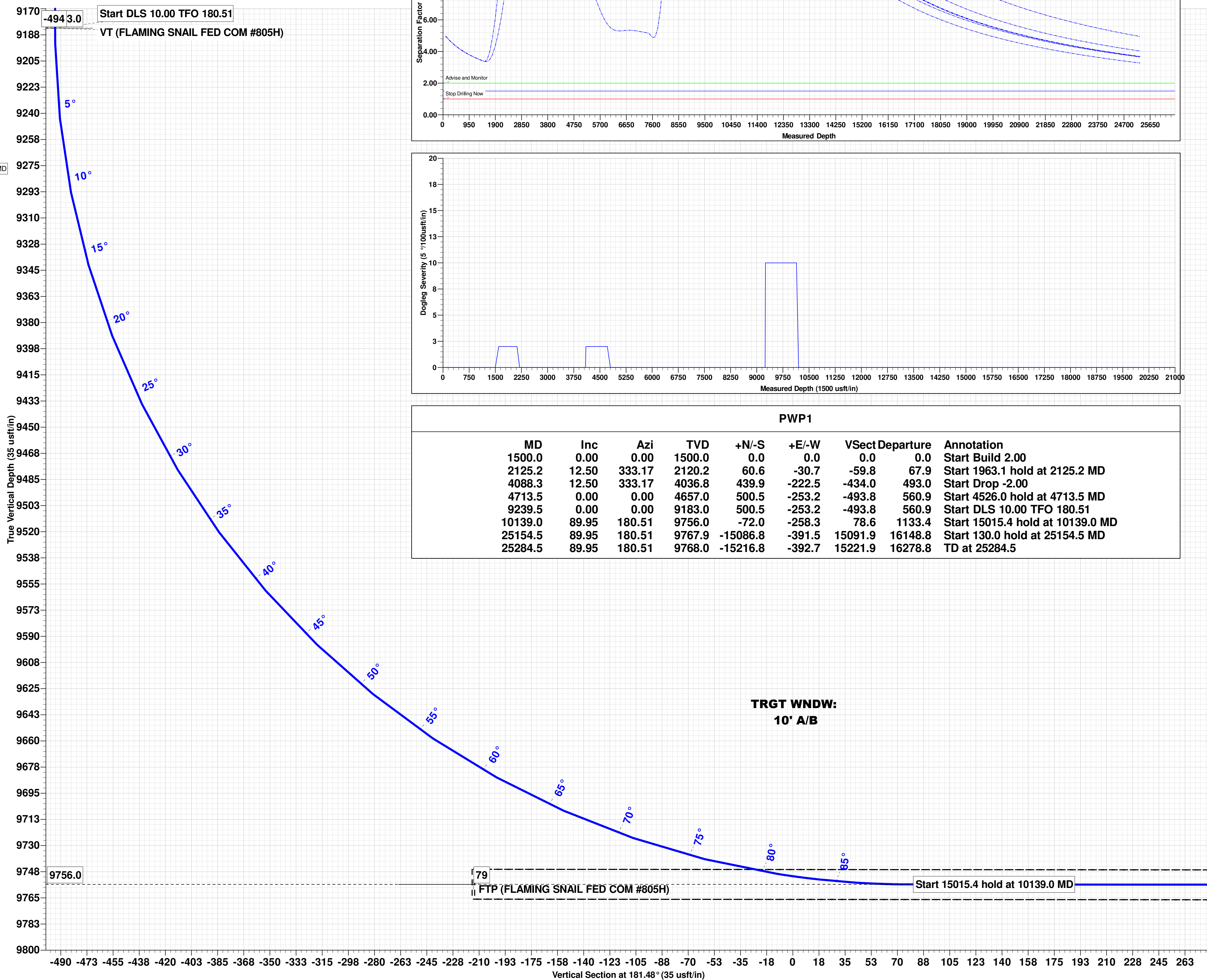
Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00
2,125.2	2,120.2	60.6	-30.7	Start 1963.1 hold at 2125.2 MD
4,088.3	4,036.8	439.9	-222.5	Start Drop -2.00
4,713.5	4,657.0	500.5	-253.2	Start 4526.0 hold at 4713.5 MD
9,239.5	9,183.0	500.5	-253.2	Start DLS 10.00 TFO 180.51
10,139.0	9,756.0	-72.0	-258.3	Start 15015.4 hold at 10139.0 MD
25,154.5	9,767.9	-15,086.8	-391.5	Start 130.0 hold at 25154.5 MD
25,284.5	9,768.0	-15,216.8	-392.7	TD at 25284.5



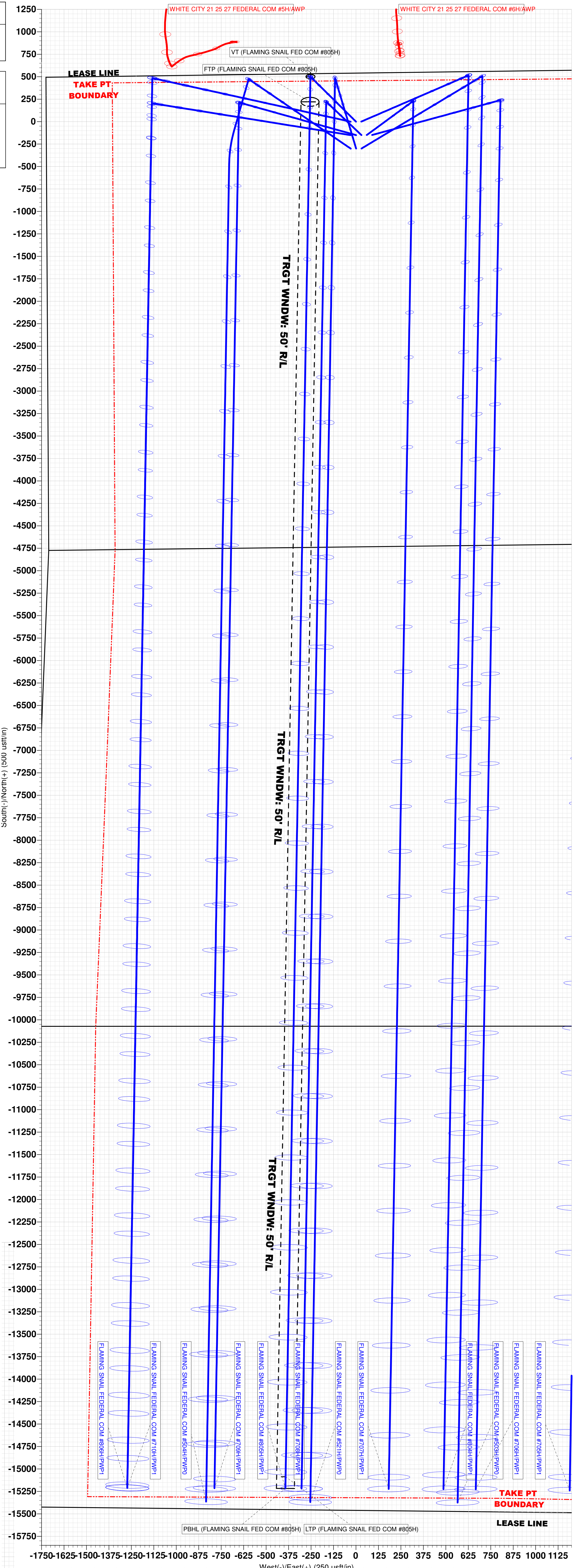
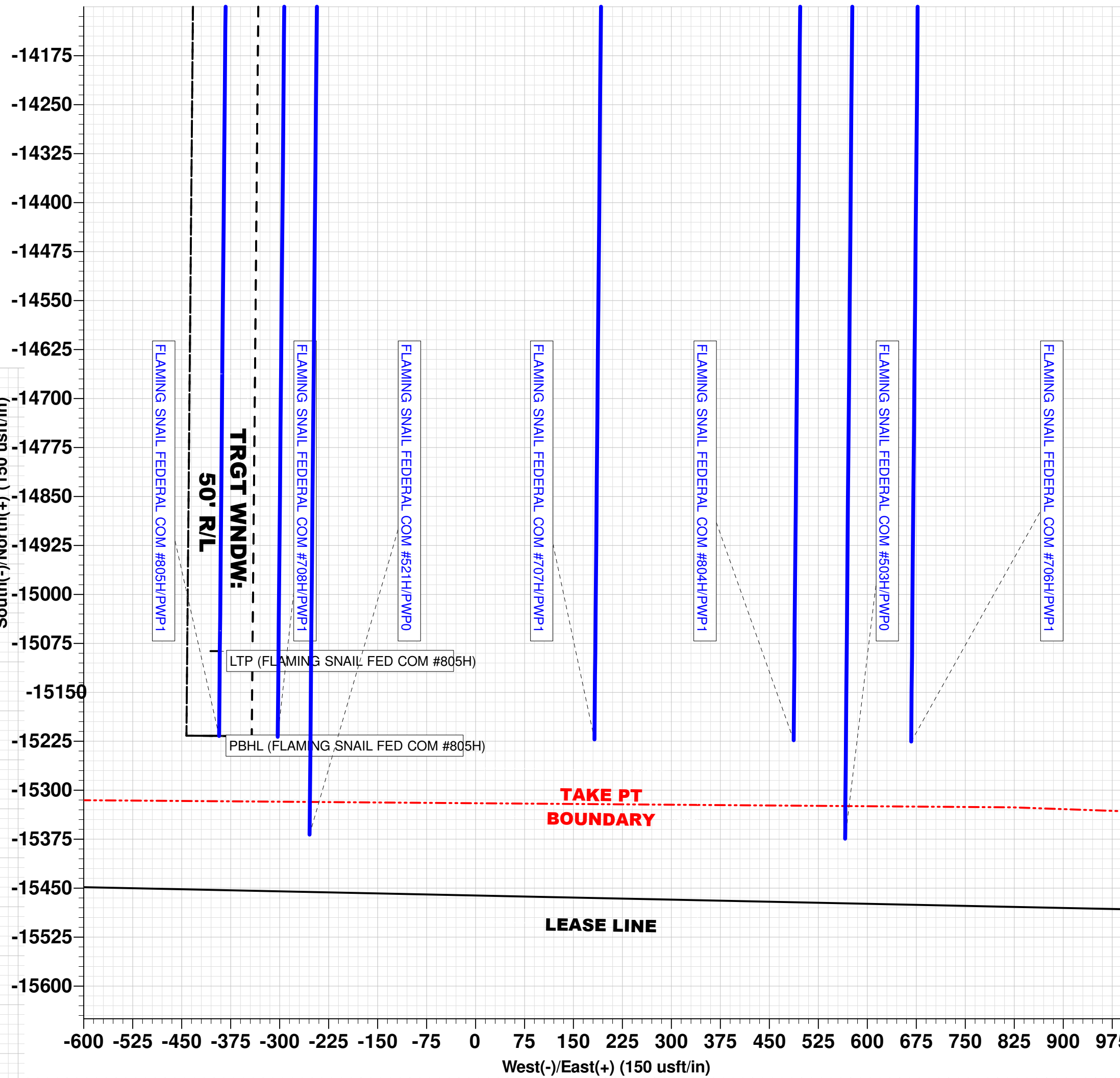
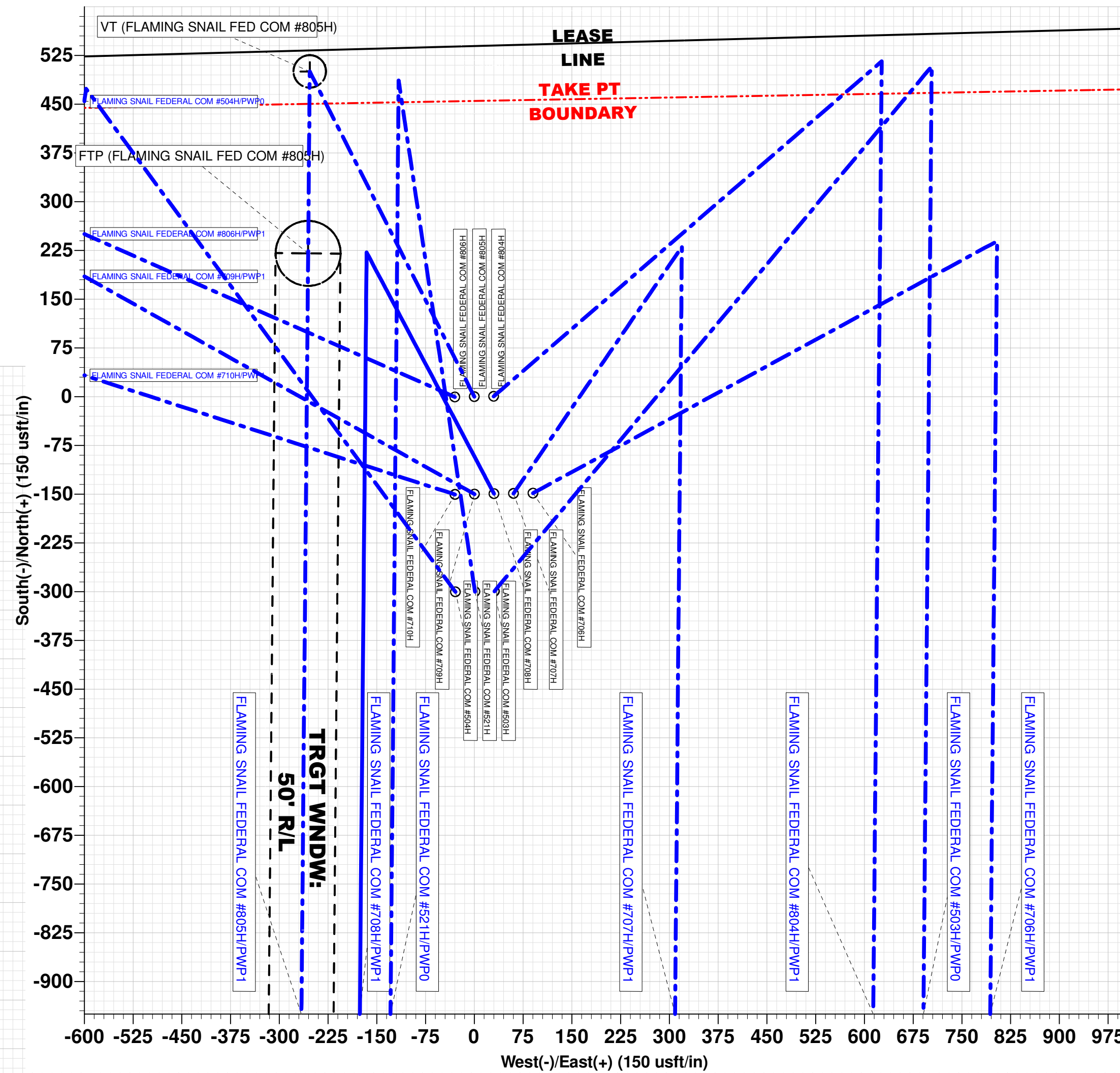
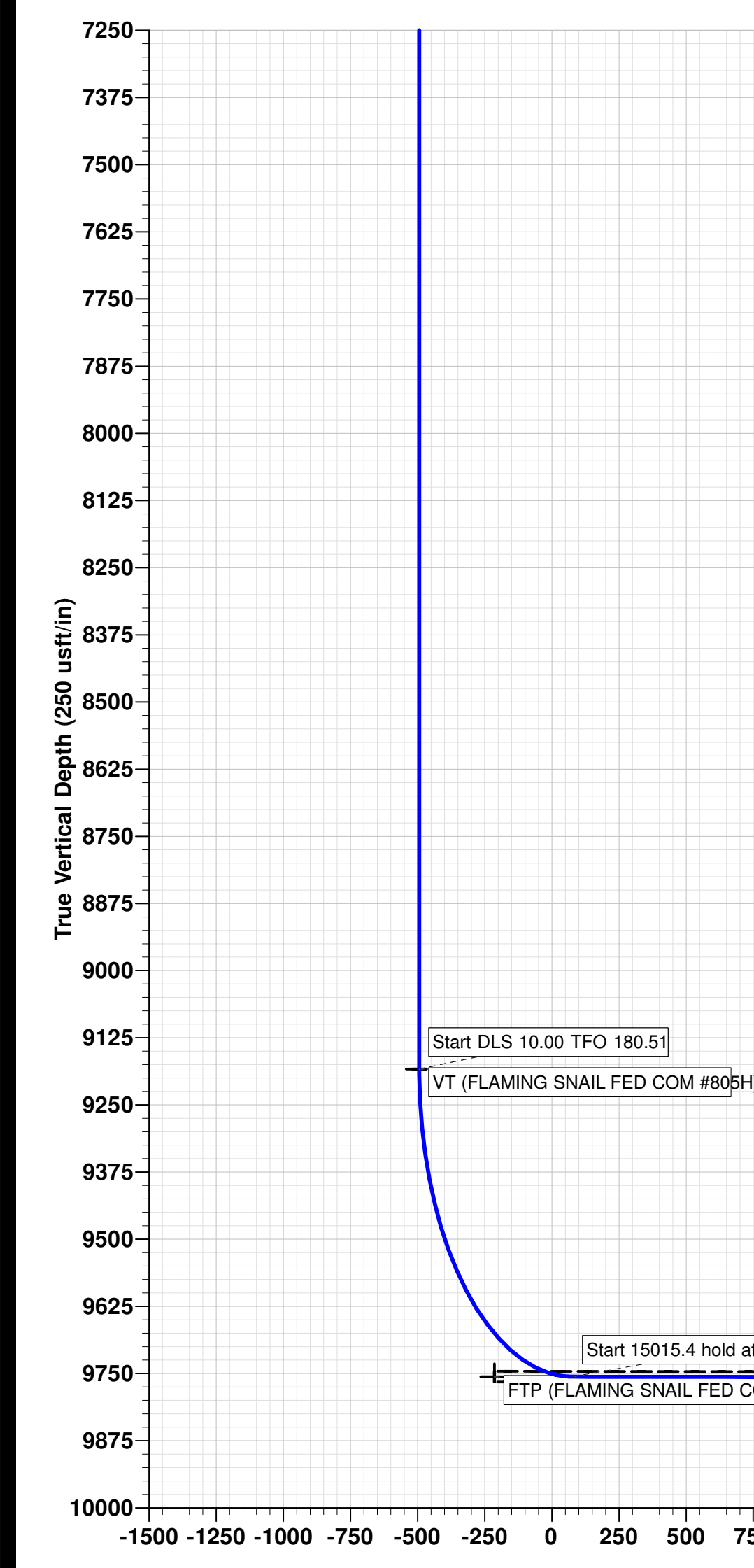
Project: ATLAS PROSPECT (NM-E)
Site: FLAMING SNAIL FED COM PROJECT
Well: FLAMING SNAIL FEDERAL COM #805H
Wellbore: OWB
Design: PWP1
GL: 3150.5
*RKB 32ft + GL 3150.5ft @ 3182.5usft



Azimuths to Grid North
True North: -0.07°
Magnetic North: 6.71°
Magnetic Field
Strength: 47314.4nT
Dip Angle: 59.68°
Date: 12/1/2023
Model: BGGM2022



PWP1									
MD	Inc	Azi	TVD	+N-S	+E-W	VSect	Departure	Annotation	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.0	Start Build 2.00	
2125.2	12.50	333.17	2120.2	60.6	-30.7	-59.8	67.9	Start 1963.1 hold at 2125.2 MD	
4088.3	12.50	333.17	4036.8	439.9	-222.5	-434.0	493.0	Start Drop -2.00	
4713.5	0.00	0.00	4657.0	500.5	-253.2	-493.8	560.9	Start 4526.0 hold at 4713.5 MD	
9239.5	0.00	0.00	9183.0	500.5	-253.2	-493.8	560.9	Start DLS 10.00 TFO 180.51	
10139.0	89.95	180.51	9756.0	72.0	-258.3	78.6	1133.4	Start 15015.4 hold at 10139.0 MD	
25154.5	89.95	180.51	9767.9	-15086.8	-391.5	15091.9	16148.8	Start 130.0 hold at 25154.5 MD	
25284.5	89.95	180.51	9768.0	-15216.8	-392.7	15221.9	16278.8	TD at 25284.5	



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG
LEASE NO.:	NMNM92167
LOCATION:	Section 28, T.25 S., R.27 E., NMPM
COUNTY:	Eddy County, New Mexico

WELL NAME & NO.:	Flaming Snail Fed Com 805H
SURFACE HOLE FOOTAGE:	557'/N & 1619'/W
BOTTOM HOLE FOOTAGE:	200'/S & 143'/W

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **350** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to

- include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Excess calculates to 18%. Additional cement maybe required.**

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. **Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).**
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR 3172.6(b)(9)** must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
 (575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas **43 CFR 3172**
 - as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR 3172.6(b)(9)** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test

against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

ZS071223

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	
Dallas Daley	432-818-2329	432-631-6977

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 260983

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 260983
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD 24 hours prior to casing & cement	9/11/2023
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/11/2023
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	9/11/2023
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	9/11/2023
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	9/11/2023