

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

Form C-101

August 1, 2011

Permit 324616

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 229137
		3. API Number 30-015-49968
4. Property Code 329348	5. Property Name POTATO BABY STATE COM	6. Well No. 902H

7. Surface Location

UL - Lot H	Section 34	Township 26S	Range 28E	Lot Idn 4	Feet From 300	N/S Line S	Feet From 795	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot P	Section 22	Township 26S	Range 28E	Lot Idn P	Feet From 710	N/S Line S	Feet From 820	E/W Line E	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3065
16. Multiple N	17. Proposed Depth 18284	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	10.75	45.5	850	655	0
Int1	9.875	7.625	29.7	7000	940	0
Int1	8.75	7.625	29.7	9800	940	0
Prod	6.75	5.5	20	9300	1279	9300
Prod	6.75	5.5	20	18284	1279	9300

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	2500	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.		OIL CONSERVATION DIVISION	
Signature:			
Printed Name:	Electronically filed by Robyn Russell	Approved By:	Katherine Pickford
Title:	Supervisor Delaware Regulatory	Title:	Geoscientist
Email Address:	robyn.m.russell@conocophillips.com	Approved Date:	9/9/2022
Date:	9/7/2022	Expiration Date:	9/9/2024
Phone:	432-685-4385	Conditions of Approval Attached	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015- 49968	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code 329348	5 Property Name POTATO BABY STATE COM	6 Well Number 902H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3065.92'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	34	26-S	28-E		300'	SOUTH	795'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	26-S	28-E		710'	SOUTH	820'	EAST	EDDY

12 Dedicated Acres 527.72	13 Joint or Infill Infill	14 Consolidation Code Com	15 Order No.
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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.

16 CORNER DATA NEW MEXICO EAST - NAD 83 A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59' B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59' C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68' D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34' E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95' F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18' G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49' H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83' I - CALCULATED CORNER N:363833.89' E:621393.73' J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54' K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39' L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64' M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83' N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67' O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50' P - CALCULATED CORNER N:366058.22' E:621388.44' SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=623162.13 LAT.= 32.00083128° N Y=364141.81 LONG.= -104.06937079° W 300' FSL, 795' FEL - SECTION 34 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=623137.04 LAT.= 32.00091374° N Y=364171.74 LONG.= -104.06945148° W 330' FSL, 820' FEL - SECTION 34 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=623083.73 LAT.= 32.02247995° N Y=372016.81 LONG.= -104.06956171° W 660' FSL, 820' FEL - SECTION 22 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=623084.41 LAT.= 32.02261746° N Y=372066.83 LONG.= -104.06955910° W 710' FSL, 820' FEL - SECTION 22	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 8/31/22 Signature Date Stan Wagner Printed Name E-mail Address 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 07/25/2022 Date of Survey Signature and Seal of Professional Surveyor: <i>Charles L. Durica</i> Certificate Number
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Form APD Conditions

Permit 324616

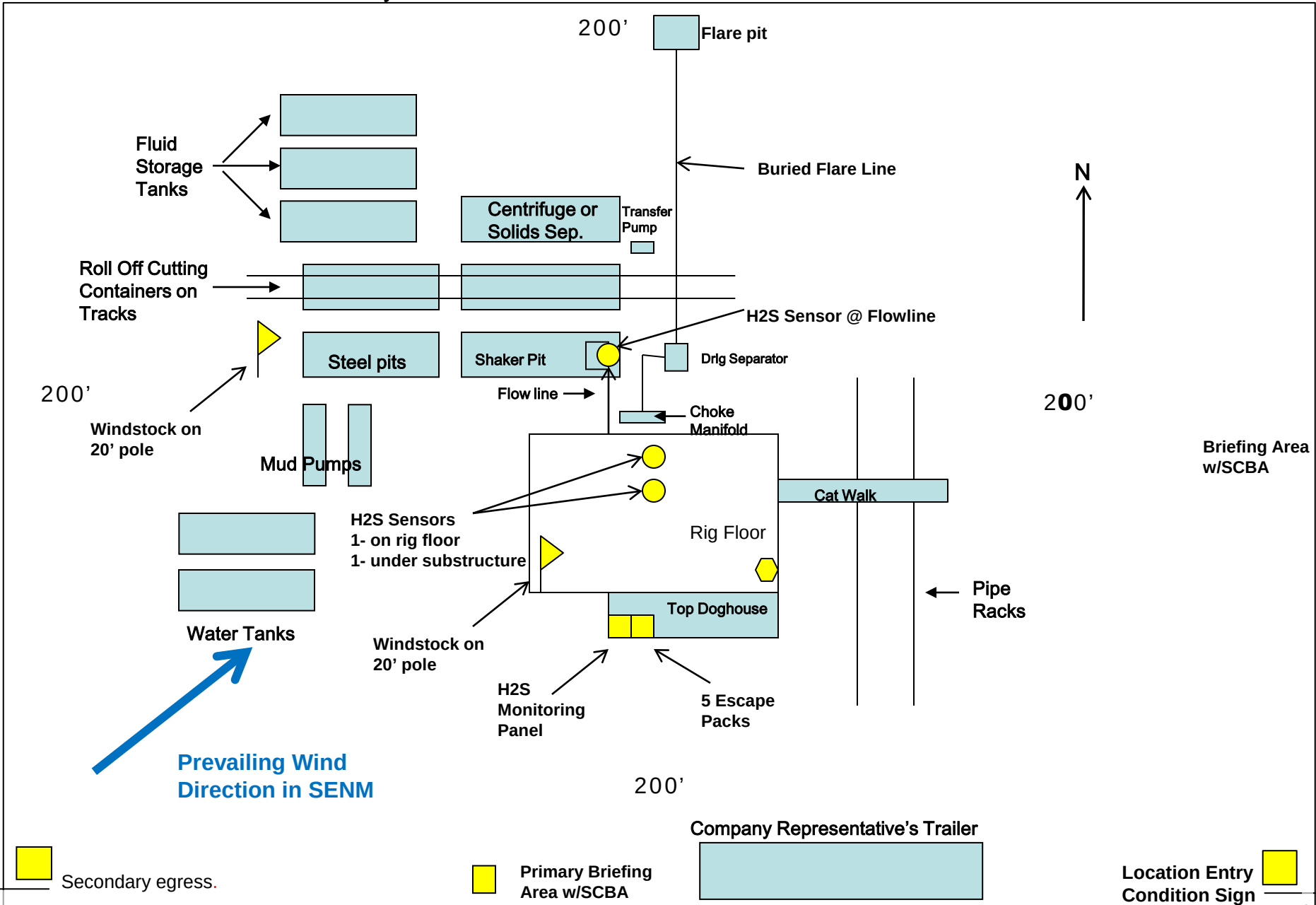
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-49968
	Well: POTATO BABY STATE COM #902H

OCD Reviewer	Condition
kpickford	Will require administrative order for non-standard spacing unit
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	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
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	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

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

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



COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H₂S. If H₂S greater than 100 ppm is encountered in the gas stream we will shut in and install H₂S equipment.

- a. Well Control Equipment:
 - Flare line.
 - Choke manifold with remotely operated choke.
 - Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

W A R N I N G

**YOU ARE ENTERING AN H₂S AREA
AUTHORIZED PERSONNEL ONLY**

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED***
- 2. HARD HATS REQUIRED***
- 3. SMOKING IN DESIGNATED AREAS ONLY***
- 4. BE WIND CONSCIOUS AT ALL TIMES***
- 5. CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
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

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: 09/06/2022

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
Potato Baby State Com 901H	30-015	4-34-26S-28E	300 FSL & 765 FEL	± 755	± 7775	± 4740
Potato Baby State Com 902H	30-015-	4-34-26S-28E	300 FSL & 795 FEL	± 755	± 7775	± 4740
Potato Baby State Com 903H	30-015-	4-34-26S-28E	300 FSL & 825 FEL	± 755	± 7775	± 4740
Potato Baby State Com 904H	30-015-	4-34-26S-28E	300 FSL & 855 FEL	± 755	± 7775	± 4740
Potato Baby State Com 905H	30-015-	4-34-26S-28E	300 FSL & 885 FEL	± 755	± 7775	± 4740

IV. Central Delivery Point Name: Potato Baby State Com CTB SENE (Lot 4) 34-26S-28E [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
Potato Baby State Com	Pending	± 4/01/23	± 25 days from spud	TBD	TBD	TBD
901H, 902H, 903H, 904H, 905H						

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:

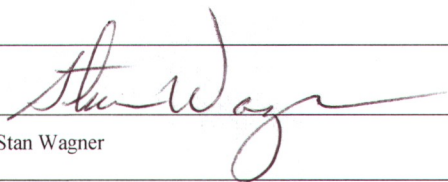
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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: 09/06/2022

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 - Potato Baby State Com 902H

1. Geologic Formations

TVD of target	10,586' EOL	Pilot hole depth	NA
MD at TD:	18,284'	Deepest expected fresh water:	175'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	521	Water	
Top of Salt	861	Salt	
Base of Salt	2446	Salt	
Lamar	2624	Salt Water	
Bell Canyon	2658	Salt Water	
Cherry Canyon	3509	Oil/Gas	
Brushy Canyon	4688	Oil/Gas	
Bone Spring Lime	6278	Oil/Gas	
1st Bone Spring Sand	7203	Oil/Gas	
2nd Bone Spring Sand	7961	Oil/Gas	
3rd Bone Spring Sand	9032	Oil/Gas	
Wolfcamp A	9462	Oil/Gas	
Wolfcamp B	9758	Oil/Gas	
Wolfcamp C	10273	Target Oil/Gas	

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	850	10.75"	45.5	J55	BTC	5.37	1.39	18.49	20.58
9.875"	0	7000	7.625"	29.7	HCL80	BTC	1.90	1.18	3.29	3.47
8.750"	7000	9800	7.625"	29.7	HCP110	W513	1.46	1.62	3.23	1.92
6.75"	0	9300	5.5"	20	P110	TXP BTC	2.03	2.81	3.92	3.92
6.75"	9300	18,284	5.5"	20	P110	W441	1.79	2.47	3.44	2.81
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" wedge casing will be run back 500' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

COG Operating, LLC - Potato Baby State Com 902H

	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 - Potato Baby State Com 902H

3. Cementing Program

Casing	# Skis	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	405	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	690	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	432	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	847	14.4	1.24	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	9,300'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Potato Baby State Com 902H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
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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 - Potato Baby State Com 902H

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 - Potato Baby State Com 902H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6885 psi at 10586' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

POTATO BABY STATE PROJECT (ATLAS 2628)

POTATO BABY STATE COM #902H

OWB

PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Reference	PWP0.1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 95.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,320.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	8/19/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP0.1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cont. rev.5
2,000.0	10,085.5	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
10,085.5	18,283.9	PWP0.1 (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						
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #705H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #706H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #906H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #907H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #908H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #909H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #910H - OWB - PWP0	17,592.4	17,889.8	1,138.0	1,021.0	9.728	CC
KEG SHELL FEDERAL COM #910H - OWB - PWP0	17,670.0	17,950.8	1,138.7	1,020.8	9.659	ES
KEG SHELL FEDERAL COM #910H - OWB - PWP0	18,284.8	18,565.6	1,147.7	1,020.8	9.047	SF
LECHUZA BQC FEDERAL #1H - OWB - AWP						Out of range
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
PEACEKEEPER						
BOWSER SWD #2 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP	9,163.4	11,580.2	850.0	768.0	10.363	CC, ES, SF
WETHERBEE #402H - OWB - AWP						Out of range
WETHERBEE #405H - OWB - AWP						Out of range
WETHERBEE #421H - OWB - AWP						Out of range
WETHERBEE #422H - OWB - AWP	10,300.0	15,540.0	629.0	541.6	7.201	SF
WETHERBEE #422H - OWB - AWP	10,313.4	15,540.0	628.7	541.5	7.206	CC, ES
WETHERBEE #424H - OWB - AWP						Out of range
WETHERBEE A ALLOCATION #405H - OWB - AWP						Out of range
WETHERBEE C ALLOCATION #407H - OWB - AWP	2,525.8	2,541.7	1,024.8	1,014.1	95.815	CC
WETHERBEE C ALLOCATION #407H - OWB - AWP	2,565.0	2,578.5	1,024.9	1,014.1	95.343	ES
WETHERBEE C ALLOCATION #407H - OWB - AWP	8,200.0	7,876.0	1,171.5	1,151.4	58.165	SF
WETHERBEE D ALLOCATION #406H - OWB - AWP	4,739.8	4,721.5	802.5	788.8	58.700	CC
WETHERBEE D ALLOCATION #406H - OWB - AWP	4,800.0	4,780.6	802.5	788.7	58.324	ES
WETHERBEE D ALLOCATION #406H - OWB - AWP	7,885.0	7,648.0	860.4	841.0	44.459	SF
WETHERBEE D ALLOCATION #408H - OWB - AWP						Out of range
WETHERBEE UNIT #423H - OWB - AWP	10,260.0	15,385.0	1,044.2	950.7	11.171	SF
WETHERBEE UNIT #423H - OWB - AWP	10,290.1	15,385.0	1,043.3	950.0	11.183	CC, ES

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	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
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,200.0	13,699.5	1,285.1	1,175.3	11.704	SF
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,240.0	13,668.1	1,284.9	1,175.1	11.706	ES
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,251.1	13,659.4	1,284.9	1,175.1	11.707	CC
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,234.9	14,116.0	299.0	188.1	2.695	CC, ES
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,240.0	14,116.0	299.1	188.1	2.695	SF
DIAMONDBACK 22 STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #701H - OWB - AWP	3,542.5	3,571.8	157.4	145.9	13.683	CC
POTATO BABY STATE COM #701H - OWB - AWP	9,290.7	9,387.4	161.2	140.1	7.629	ES
POTATO BABY STATE COM #701H - OWB - AWP	9,310.0	9,401.5	161.8	140.5	7.608	SF
POTATO BABY STATE COM #702H - OWB - AWP	2,586.1	2,597.0	375.5	366.3	40.577	CC, ES
POTATO BABY STATE COM #702H - OWB - AWP	18,284.8	17,519.6	1,016.9	885.9	7.758	SF
POTATO BABY STATE COM #703H - OWB - AWP	2,487.7	2,497.7	439.1	426.7	35.324	CC
POTATO BABY STATE COM #703H - OWB - AWP	2,500.0	2,508.5	439.2	426.7	35.230	ES
POTATO BABY STATE COM #703H - OWB - AWP	8,835.0	8,792.0	985.5	946.9	25.548	SF
POTATO BABY STATE COM #704H - OWB - AWP						Out of range
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,500.0	1,499.5	30.0	21.1	3.370	CC, ES
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,520.0	1,519.3	30.0	21.1	3.357	SF
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,437.3	1,437.9	30.0	21.2	3.416	CC
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,500.0	1,500.6	30.0	21.1	3.374	ES
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,520.0	1,520.4	30.1	21.1	3.362	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,437.0	1,438.5	60.0	51.2	6.831	CC
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,500.0	1,501.5	60.0	51.1	6.746	ES
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,520.0	1,521.1	60.1	51.1	6.714	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,436.9	1,438.8	90.0	81.2	10.242	CC
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,500.0	1,501.8	90.0	81.1	10.115	ES
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,600.0	1,600.0	91.7	82.5	10.007	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #907H - OWB - PWP0.1						Out of range
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	2,871.7	2,834.6	851.8	795.3	15.066	CC
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	6,300.0	6,253.8	852.6	757.8	8.994	ES
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	6,460.0	6,405.7	855.0	759.1	8.914	SF

ConocoPhillips

Anticollision Report

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Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	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
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1	18,284.8	17,539.6				Out of Range @TD
KEG SHELL FEDERAL COM #705H - OWB - PWP1	18,284.8	17,460.3				Out of Range @TD
KEG SHELL FEDERAL COM #706H - OWB - PWP1	18,284.8	17,516.6				Out of Range @TD
KEG SHELL FEDERAL COM #906H - OWB - PWP0	18,284.8	18,701.7				Out of Range @TD
KEG SHELL FEDERAL COM #907H - OWB - PWP0	18,284.8	18,415.5				Out of Range @TD
KEG SHELL FEDERAL COM #908H - OWB - PWP0	18,284.8	18,556.7				Out of Range @TD
KEG SHELL FEDERAL COM #909H - OWB - PWP0	18,284.8	18,344.4				Out of Range @TD
KEG SHELL FEDERAL COM #910H - OWB - PWP0	18,284.8	18,565.6	1,147.7	1,020.8	9.047	SF
LECHUZA BQC FEDERAL #1H - OWB - AWP	18,284.8	11,732.0				Out of Range @TD
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP	18,284.8	2,655.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #2 - OWB - SWD	18,284.8	10,525.1				Out of Range @TD
WETHERBEE #401H - OWB - AWP	18,284.8	11,661.5				Out of Range @TD
WETHERBEE #402H - OWB - AWP	18,284.8	11,509.0				Out of Range @TD
WETHERBEE #405H - OWB - AWP	18,284.8	7,730.0				Out of Range @TD
WETHERBEE #421H - OWB - AWP	18,284.8	15,165.0				Out of Range @TD
WETHERBEE #422H - OWB - AWP	18,284.8	15,540.0				Out of Range @TD
WETHERBEE #424H - OWB - AWP	18,284.8	15,475.0				Out of Range @TD
WETHERBEE A ALLOCATION #405H - OWB - AWP	18,284.8	7,730.0				Out of Range @TD
WETHERBEE C ALLOCATION #407H - OWB - AWP	18,284.8	7,844.0				Out of Range @TD
WETHERBEE D ALLOCATION #406H - OWB - AWP	18,284.8	7,662.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	18,284.8	7,626.0				Out of Range @TD
WETHERBEE UNIT #423H - OWB - AWP	18,284.8	15,385.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,284.8	13,626.9	1,284.9	1,175.2	11.712	
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,284.8	14,074.4	300.3	189.4	2.708	
DIAMONDBACK 22 STATE COM #5H - OWB - AWP	18,284.8	12,120.1				Out of Range @TD
POTATO BABY STATE COM #701H - OWB - AWP	18,284.8	16,584.0				Out of Range @TD
POTATO BABY STATE COM #702H - OWB - AWP	18,284.8	17,519.6	1,016.9	885.9	7.758	SF
POTATO BABY STATE COM #703H - OWB - AWP	18,284.8	17,577.8				Out of Range @TD
POTATO BABY STATE COM #704H - OWB - AWP	18,284.8	17,519.1				Out of Range @TD
POTATO BABY STATE COM #901H - OWB - PWP0.1	18,284.8	18,092.0	524.1	397.2	4.129	
POTATO BABY STATE COM #903H - OWB - PWP0.1	18,284.8	18,037.2	495.5	368.2	3.894	
POTATO BABY STATE COM #904H - OWB - PWP0.1	18,284.8	18,304.8	941.8	814.0	7.370	
POTATO BABY STATE COM #905H - OWB - PWP0.1	18,284.8	17,811.8				Out of Range @TD
POTATO BABY STATE COM #906H - OWB - PWP0.1	18,284.8	18,363.1				Out of Range @TD
POTATO BABY STATE COM #907H - OWB - PWP0.1	18,284.8	18,084.2				Out of Range @TD
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	18,284.8	13,334.0				Out of Range @TD

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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		
4,655.0	4,655.0	4,798.1	4,768.6	9.0	16.2	94.41	-100.7	1,306.8	1,317.6	1,295.3	22.28	59.139		
4,700.0	4,700.0	4,842.7	4,812.7	9.0	16.4	94.59	-104.5	1,301.9	1,313.0	1,290.5	22.45	58.488		
4,750.0	4,750.0	4,892.2	4,861.8	9.1	16.6	94.80	-108.8	1,296.5	1,307.9	1,285.2	22.64	57.780		
4,800.0	4,800.0	4,941.7	4,910.8	9.1	16.8	95.01	-113.1	1,291.1	1,302.8	1,280.0	22.82	57.086		
4,845.0	4,845.0	4,986.2	4,954.9	9.2	17.0	95.19	-116.9	1,286.3	1,298.2	1,275.2	22.99	56.475		
4,900.0	4,900.0	5,040.7	5,008.8	9.2	17.2	95.43	-121.7	1,280.3	1,292.7	1,269.5	23.19	55.742		
4,940.0	4,940.0	5,080.3	5,048.1	9.3	17.4	95.60	-125.1	1,276.0	1,288.7	1,265.3	23.34	55.221		
5,000.0	5,000.0	5,139.7	5,106.9	9.3	17.6	95.86	-130.2	1,269.5	1,282.6	1,259.1	23.55	54.544		
5,035.0	5,035.0	5,174.4	5,141.2	9.4	17.8	96.01	-133.2	1,265.7	1,279.1	1,255.5	23.68	54.016		
5,100.0	5,100.0	5,238.8	5,205.0	9.4	18.0	96.29	-138.8	1,258.7	1,272.7	1,248.7	23.91	53.219		
5,130.0	5,130.0	5,268.5	5,234.4	9.5	18.2	96.42	-141.4	1,255.5	1,269.7	1,245.7	24.02	52.858		
5,200.0	5,200.0	5,337.8	5,303.0	9.5	18.4	96.73	-147.4	1,247.9	1,262.8	1,238.5	24.27	52.034		
5,225.0	5,225.0	5,362.5	5,327.5	9.6	18.5	96.85	-149.5	1,245.2	1,260.3	1,235.9	24.36	51.745		
5,300.0	5,300.0	5,436.8	5,401.1	9.6	18.9	97.18	-155.9	1,237.1	1,252.9	1,228.3	24.62	50.896		
5,320.0	5,320.0	5,456.6	5,420.7	9.7	18.9	97.27	-157.6	1,235.0	1,251.0	1,226.3	24.69	50.674		
5,400.0	5,400.0	5,535.8	5,499.2	9.7	19.3	97.64	-164.5	1,226.3	1,243.2	1,218.2	24.96	49.804		
5,415.0	5,415.0	5,550.7	5,513.9	9.8	19.3	97.71	-165.8	1,224.7	1,241.7	1,216.7	25.01	49.644		
5,500.0	5,500.0	5,634.9	5,597.2	9.8	19.7	98.10	-173.1	1,215.5	1,233.5	1,208.2	25.30	48.755		
5,510.0	5,510.0	5,644.8	5,607.0	9.8	19.7	98.15	-173.9	1,214.5	1,232.6	1,207.2	25.33	48.652		
5,600.0	5,600.0	5,733.9	5,695.3	9.9	20.1	98.57	-181.6	1,204.7	1,223.9	1,198.3	25.63	47.747		
5,605.0	5,605.0	5,738.8	5,700.2	9.9	20.1	98.60	-182.0	1,204.2	1,223.5	1,197.8	25.65	47.698		
5,700.0	5,700.0	5,832.9	5,793.3	10.0	20.5	99.05	-190.2	1,193.9	1,214.4	1,188.5	25.96	46.779		
5,795.0	5,795.0	5,927.0	5,886.5	10.1	20.9	99.51	-198.3	1,183.7	1,205.5	1,179.2	26.27	45.894		
5,800.0	5,800.0	5,932.0	5,891.4	10.1	20.9	99.54	-198.7	1,183.1	1,205.0	1,178.7	26.28	45.848		
5,890.0	5,890.0	6,021.1	5,979.7	10.2	21.3	99.98	-206.5	1,173.4	1,196.6	1,170.1	26.56	45.048		
5,900.0	5,900.0	6,031.0	5,989.5	10.2	21.4	100.03	-207.3	1,172.3	1,195.7	1,169.1	26.59	44.964		
5,985.0	5,985.0	6,109.2	6,066.9	10.3	21.7	100.42	-214.0	1,164.0	1,188.0	1,161.1	26.82	44.292		
6,000.0	6,000.0	6,122.2	6,079.9	10.3	21.7	100.48	-215.0	1,162.6	1,186.7	1,159.8	26.86	44.176		
6,080.0	6,080.0	6,192.1	6,149.2	10.4	22.0	100.80	-220.4	1,155.9	1,180.2	1,153.1	27.08	43.581		
6,100.0	6,100.0	6,209.6	6,166.6	10.4	22.1	100.87	-221.6	1,154.3	1,178.7	1,151.5	27.13	43.439		
6,175.0	6,175.0	6,275.4	6,232.0	10.5	22.4	101.13	-226.1	1,148.7	1,173.4	1,146.0	27.33	42.927		
6,200.0	6,200.0	6,300.0	6,256.5	10.5	22.5	101.23	-227.6	1,146.7	1,171.7	1,144.3	27.41	42.748		
6,270.0	6,270.0	6,358.9	6,315.1	10.6	22.7	101.43	-231.0	1,142.4	1,167.5	1,139.9	27.58	42.324		
6,300.0	6,300.0	6,385.3	6,341.4	10.6	22.8	101.52	-232.5	1,140.7	1,165.8	1,138.1	27.66	42.142		
6,365.0	6,365.0	6,442.6	6,398.6	10.7	23.0	101.69	-235.3	1,137.1	1,162.5	1,134.7	27.83	41.770		
6,400.0	6,400.0	6,473.5	6,429.4	10.7	23.1	101.77	-236.6	1,135.4	1,160.9	1,133.0	27.92	41.578		
6,460.0	6,460.0	6,526.5	6,482.3	10.8	23.3	101.90	-238.7	1,132.8	1,158.5	1,130.4	28.07	41.264		
6,500.0	6,500.0	6,561.9	6,517.6	10.8	23.4	101.98	-240.0	1,131.2	1,157.0	1,128.9	28.18	41.065		
6,555.0	6,555.0	6,610.6	6,566.2	10.9	23.6	102.07	-241.4	1,129.4	1,155.3	1,127.0	28.31	40.804		
6,600.0	6,600.0	6,650.4	6,606.0	10.9	23.7	102.13	-242.4	1,128.1	1,154.2	1,125.7	28.42	40.605		
6,650.0	6,650.0	6,700.0	6,655.6	10.9	23.9	102.19	-243.5	1,126.8	1,153.1	1,124.5	28.57	40.366		
6,700.0	6,700.0	6,739.0	6,694.6	11.0	24.0	102.23	-244.1	1,126.0	1,152.3	1,123.6	28.66	40.200		
6,745.0	6,745.0	6,778.9	6,734.5	11.0	24.1	102.26	-244.5	1,125.4	1,151.7	1,123.0	28.77	40.035		
6,800.0	6,800.0	6,827.7	6,783.3	11.1	24.2	102.28	-244.9	1,125.0	1,151.4	1,122.5	28.87	39.882		
6,840.0	6,840.0	6,865.4	6,821.0	11.1	24.2	102.28	-244.9	1,124.9	1,151.3	1,122.3	28.93	39.790		
6,860.9	6,860.9	6,883.8	6,839.4	11.1	24.2	102.28	-244.9	1,124.9	1,151.3	1,122.3	28.95	39.770		
6,900.0	6,900.0	6,922.9	6,878.5	11.2	24.2	102.28	-244.9	1,124.9	1,151.3	1,122.3	28.99	39.710		
6,935.0	6,935.0	6,957.9	6,913.5	11.2	24.2	102.28	-244.9	1,124.9	1,151.3	1,122.2	29.04	39.651		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,000.0	7,000.0	7,022.9	6,978.5	11.3	24.2	102.28	-244.9	1,124.9	1,151.3	1,122.2	29.12	39.542		
7,030.0	7,030.0	7,052.9	7,008.5	11.3	24.3	102.28	-244.9	1,124.9	1,151.3	1,122.1	29.15	39.492		
7,100.0	7,100.0	7,122.9	7,078.5	11.4	24.3	102.28	-244.9	1,124.9	1,151.3	1,122.0	29.24	39.375		
7,125.0	7,125.0	7,147.9	7,103.5	11.4	24.3	102.28	-244.9	1,124.9	1,151.3	1,122.0	29.27	39.334		
7,200.0	7,200.0	7,222.9	7,178.5	11.5	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.9	29.36	39.209		
7,220.0	7,220.0	7,242.9	7,198.5	11.5	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.9	29.39	39.177		
7,300.0	7,300.0	7,322.9	7,278.5	11.6	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.8	29.49	39.045		
7,315.0	7,315.0	7,337.9	7,293.5	11.6	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.8	29.50	39.021		
7,400.0	7,400.0	7,422.9	7,378.5	11.6	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.7	29.61	38.882		
7,410.0	7,410.0	7,432.9	7,388.5	11.7	24.3	102.28	-244.9	1,124.9	1,151.3	1,121.6	29.62	38.866		
7,500.0	7,500.0	7,522.9	7,478.5	11.7	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.5	29.73	38.720		
7,505.0	7,505.0	7,527.9	7,483.5	11.7	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.5	29.74	38.712		
7,600.0	7,600.0	7,622.9	7,578.5	11.8	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.4	29.86	38.559		
7,695.0	7,695.0	7,717.9	7,673.5	11.9	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.3	29.97	38.408		
7,700.0	7,700.0	7,722.9	7,678.5	11.9	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.3	29.98	38.400		
7,790.0	7,790.0	7,812.9	7,768.5	12.0	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.2	30.09	38.257		
7,800.0	7,800.0	7,822.9	7,778.5	12.0	24.4	102.28	-244.9	1,124.9	1,151.3	1,121.2	30.11	38.241		
7,885.0	7,885.0	7,907.9	7,863.5	12.1	24.5	102.28	-244.9	1,124.9	1,151.3	1,121.1	30.21	38.108		
7,900.0	7,900.0	7,922.9	7,878.5	12.1	24.5	102.28	-244.9	1,124.9	1,151.3	1,121.0	30.23	38.084		
7,980.0	7,980.0	8,002.9	7,958.5	12.2	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.9	30.33	37.959		
8,000.0	8,000.0	8,022.9	7,978.5	12.2	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.9	30.35	37.928		
8,075.0	8,075.0	8,097.9	8,053.5	12.3	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.8	30.45	37.812		
8,100.0	8,100.0	8,122.9	8,078.5	12.3	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.8	30.48	37.773		
8,170.0	8,170.0	8,192.9	8,148.5	12.4	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.7	30.57	37.665		
8,200.0	8,200.0	8,222.9	8,178.5	12.4	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.7	30.60	37.619		
8,265.0	8,265.0	8,287.9	8,243.5	12.5	24.5	102.28	-244.9	1,124.9	1,151.3	1,120.6	30.68	37.520		
8,300.0	8,300.0	8,322.9	8,278.5	12.5	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.5	30.73	37.466		
8,360.0	8,360.0	8,382.9	8,338.5	12.5	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.5	30.80	37.375		
8,400.0	8,400.0	8,422.9	8,378.5	12.6	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.4	30.85	37.315		
8,455.0	8,455.0	8,477.9	8,433.5	12.6	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.3	30.92	37.232		
8,500.0	8,500.0	8,522.9	8,478.5	12.7	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.3	30.98	37.164		
8,550.0	8,550.0	8,572.9	8,528.5	12.7	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.2	31.04	37.089		
8,600.0	8,600.0	8,622.9	8,578.5	12.8	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.2	31.10	37.014		
8,645.0	8,645.0	8,667.9	8,623.5	12.8	24.6	102.28	-244.9	1,124.9	1,151.3	1,120.1	31.16	36.947		
8,700.0	8,700.0	8,722.9	8,678.5	12.9	24.7	102.28	-244.9	1,124.9	1,151.3	1,120.0	31.23	36.866		
8,740.0	8,740.0	8,762.9	8,718.5	12.9	24.7	102.28	-244.9	1,124.9	1,151.3	1,120.0	31.28	36.806		
8,800.0	8,800.0	8,822.9	8,778.5	12.9	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.9	31.35	36.718		
8,835.0	8,835.0	8,857.9	8,813.5	13.0	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.9	31.40	36.667		
8,900.0	8,900.0	8,922.9	8,878.5	13.0	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.8	31.48	36.571		
8,930.0	8,930.0	8,952.9	8,908.5	13.1	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.8	31.52	36.528		
9,000.0	9,000.0	9,022.9	8,978.5	13.1	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.7	31.61	36.426		
9,025.0	9,025.0	9,047.9	9,003.5	13.1	24.7	102.28	-244.9	1,124.9	1,151.3	1,119.6	31.64	36.390		
9,100.0	9,100.0	9,122.9	9,078.5	13.2	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.5	31.73	36.281		
9,120.0	9,120.0	9,142.9	9,098.5	13.2	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.5	31.76	36.252		
9,200.0	9,200.0	9,222.9	9,178.5	13.3	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.4	31.86	36.138		
9,215.0	9,215.0	9,237.9	9,193.5	13.3	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.4	31.88	36.116		
9,300.0	9,300.0	9,322.9	9,278.5	13.4	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.3	31.98	35.995		
9,310.0	9,310.0	9,332.9	9,288.5	13.4	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.3	32.00	35.981		
9,400.0	9,400.0	9,422.9	9,378.5	13.5	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.2	32.11	35.853		
9,405.0	9,405.0	9,427.9	9,383.5	13.5	24.8	102.28	-244.9	1,124.9	1,151.3	1,119.2	32.12	35.846		
9,500.0	9,500.0	9,522.9	9,478.5	13.6	24.9	102.28	-244.9	1,124.9	1,151.3	1,119.0	32.24	35.712		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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)	
9,595.0	9,595.0	9,617.9	9,573.5	13.7	24.9	102.28	-244.9	1,124.9	1,151.3	1,118.9	32.36	35.579
9,600.0	9,600.0	9,622.9	9,578.5	13.7	24.9	102.28	-244.9	1,124.9	1,151.3	1,118.9	32.36	35.572
9,690.0	9,690.0	9,712.9	9,668.5	13.7	24.9	102.28	-244.9	1,124.9	1,151.3	1,118.8	32.48	35.447
9,700.0	9,700.0	9,722.9	9,678.5	13.8	24.9	102.28	-244.9	1,124.9	1,151.3	1,118.8	32.49	35.433
9,785.0	9,785.0	9,807.9	9,763.5	13.8	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.7	32.60	35.316
9,800.0	9,800.0	9,822.9	9,778.5	13.8	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.7	32.62	35.295
9,880.0	9,880.0	9,902.9	9,858.5	13.9	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.6	32.72	35.186
9,900.0	9,900.0	9,922.9	9,878.5	13.9	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.5	32.75	35.158
9,975.0	9,975.0	9,997.9	9,953.5	14.0	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.4	32.84	35.056
10,000.0	10,000.0	10,022.9	9,978.5	14.0	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.4	32.87	35.022
10,070.0	10,070.0	10,092.9	10,048.5	14.1	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.3	32.94	34.949
10,085.5	10,085.5	10,108.5	10,064.0	14.1	25.0	102.28	-244.9	1,124.9	1,151.3	1,118.3	32.95	34.935
10,100.0	10,100.0	10,122.9	10,078.5	14.1	25.0	105.34	-244.9	1,124.9	1,151.3	1,118.4	32.95	34.937
10,125.0	10,125.0	10,166.2	10,121.8	14.1	25.0	105.37	-243.6	1,124.9	1,151.6	1,118.6	32.99	34.906
10,150.0	10,149.8	10,218.3	10,173.4	14.1	25.1	105.32	-237.0	1,124.9	1,151.6	1,118.5	33.09	34.806
10,165.0	10,164.6	10,249.4	10,203.7	14.1	25.1	105.23	-230.4	1,124.9	1,151.5	1,118.3	33.16	34.722
10,175.0	10,174.5	10,269.9	10,223.5	14.1	25.1	105.14	-224.9	1,124.9	1,151.4	1,118.2	33.22	34.656
10,200.0	10,198.9	10,320.7	10,271.3	14.1	25.1	104.87	-207.7	1,124.8	1,151.0	1,117.6	33.39	34.466
10,225.0	10,223.0	10,370.2	10,315.9	14.2	25.1	104.49	-186.3	1,124.8	1,150.3	1,116.7	33.59	34.245
10,250.0	10,246.8	10,418.2	10,356.7	14.2	25.1	104.03	-161.2	1,124.7	1,149.5	1,115.7	33.81	34.005
10,260.0	10,256.1	10,436.9	10,371.9	14.2	25.1	103.83	-150.3	1,124.7	1,149.2	1,115.3	33.89	33.906
10,275.0	10,270.1	10,464.3	10,393.5	14.2	25.1	103.51	-133.2	1,124.7	1,148.6	1,114.6	34.03	33.757
10,300.0	10,292.9	10,508.6	10,426.0	14.2	25.1	102.93	-103.3	1,124.6	1,147.6	1,113.4	34.25	33.510
10,325.0	10,315.1	10,550.8	10,454.3	14.2	25.1	102.32	-72.0	1,124.5	1,146.5	1,112.1	34.46	33.272
10,350.0	10,336.7	10,591.1	10,478.7	14.3	25.2	101.67	-39.9	1,124.5	1,145.5	1,110.8	34.66	33.049
10,355.0	10,340.9	10,598.9	10,483.1	14.3	25.2	101.54	-33.4	1,124.5	1,145.3	1,110.6	34.70	33.007
10,375.0	10,357.6	10,629.4	10,499.3	14.3	25.2	101.00	-7.6	1,124.4	1,144.4	1,109.6	34.84	32.845
10,400.0	10,377.8	10,666.0	10,516.4	14.3	25.2	100.33	24.7	1,124.3	1,143.4	1,108.4	35.01	32.661
10,425.0	10,397.1	10,700.8	10,530.4	14.4	25.2	99.64	56.5	1,124.3	1,142.5	1,107.3	35.16	32.499
10,450.0	10,415.6	10,734.0	10,541.6	14.4	25.2	98.95	87.8	1,124.2	1,141.7	1,106.4	35.28	32.358
10,475.0	10,433.2	10,765.7	10,550.2	14.4	25.3	98.26	118.3	1,124.1	1,141.0	1,105.6	35.39	32.238
10,500.0	10,449.9	10,796.0	10,556.5	14.4	25.3	97.56	148.0	1,124.1	1,140.5	1,105.0	35.49	32.138
10,525.0	10,465.5	10,825.1	10,560.7	14.5	25.3	96.87	176.8	1,124.0	1,140.1	1,104.5	35.56	32.057
10,545.0	10,477.3	10,847.6	10,562.8	14.5	25.3	96.31	199.1	1,124.0	1,139.9	1,104.3	35.62	32.005
10,550.0	10,480.1	10,853.1	10,563.2	14.5	25.3	96.17	204.6	1,124.0	1,139.9	1,104.2	35.63	31.993
10,568.5	10,490.2	10,873.1	10,563.9	14.5	25.3	95.66	224.6	1,123.9	1,139.8	1,104.2	35.67	31.956
10,575.0	10,493.7	10,879.6	10,564.0	14.5	25.3	95.49	231.1	1,123.9	1,139.8	1,104.2	35.68	31.950
10,600.0	10,506.1	10,901.3	10,564.2	14.6	25.4	94.93	252.9	1,123.9	1,140.0	1,104.3	35.68	31.953
10,625.0	10,517.3	10,923.7	10,564.3	14.6	25.4	94.37	275.2	1,123.8	1,140.4	1,104.7	35.69	31.951
10,640.0	10,523.5	10,937.4	10,564.4	14.6	25.4	94.05	288.9	1,123.8	1,140.8	1,105.1	35.71	31.949
10,650.0	10,527.4	10,946.6	10,564.5	14.6	25.4	93.84	298.1	1,123.8	1,141.0	1,105.3	35.72	31.948
10,675.0	10,536.3	10,970.0	10,564.7	14.6	25.4	93.34	321.5	1,123.7	1,141.8	1,106.1	35.75	31.943
10,700.0	10,543.9	10,993.8	10,564.8	14.7	25.4	92.87	345.4	1,123.7	1,142.7	1,107.0	35.78	31.935
10,725.0	10,550.3	11,018.0	10,565.0	14.7	25.4	92.44	369.6	1,123.6	1,143.8	1,107.9	35.83	31.921
10,735.0	10,552.5	11,027.8	10,565.1	14.7	25.5	92.29	379.3	1,123.6	1,144.2	1,108.3	35.85	31.913
10,750.0	10,555.4	11,042.5	10,565.2	14.7	25.5	92.07	394.0	1,123.6	1,144.9	1,109.0	35.89	31.902
10,775.0	10,559.2	11,067.2	10,565.3	14.7	25.5	91.75	418.7	1,123.5	1,146.0	1,110.1	35.95	31.879
10,800.0	10,561.7	11,092.1	10,565.5	14.7	25.5	91.48	443.6	1,123.5	1,147.2	1,111.2	36.02	31.852
10,825.0	10,562.9	11,117.0	10,565.7	14.7	25.5	91.28	468.5	1,123.4	1,148.5	1,112.4	36.10	31.818
10,830.0	10,563.0	11,122.0	10,565.7	14.7	25.6	91.25	473.5	1,123.4	1,148.8	1,112.6	36.11	31.811
10,834.1	10,563.0	11,126.1	10,565.8	14.7	25.6	91.22	477.6	1,123.4	1,149.0	1,112.8	36.13	31.805

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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 Factor		
10,900.0	10,563.2	11,191.9	10,566.2	14.7	25.6	91.23	543.5	1,123.2	1,151.6	1,115.2	36.37	31.665	
10,925.0	10,563.3	11,216.9	10,566.4	14.7	25.7	91.23	568.5	1,123.2	1,152.2	1,115.7	36.47	31.592	
10,967.3	10,563.4	11,259.2	10,566.7	14.7	25.7	91.23	610.7	1,123.1	1,152.7	1,116.0	36.65	31.454	
11,000.0	10,563.5	11,291.9	10,566.9	14.8	25.8	91.24	643.4	1,123.0	1,152.8	1,116.1	36.78	31.341	
11,020.0	10,563.6	11,311.9	10,567.1	14.8	25.8	91.24	663.4	1,123.0	1,152.9	1,116.1	36.88	31.262	
11,100.0	10,563.8	11,391.9	10,567.6	15.1	25.9	91.26	743.4	1,122.8	1,153.3	1,116.0	37.27	30.947	
11,115.0	10,563.9	11,406.9	10,567.7	15.1	25.9	91.26	758.4	1,122.8	1,153.4	1,116.0	37.35	30.883	
11,200.0	10,564.1	11,491.9	10,568.3	15.4	26.0	91.28	843.4	1,122.6	1,153.8	1,116.0	37.81	30.517	
11,210.0	10,564.2	11,501.9	10,568.4	15.4	26.1	91.28	853.4	1,122.6	1,153.8	1,116.0	37.87	30.472	
11,300.0	10,564.4	11,591.9	10,569.0	15.7	26.2	91.30	943.4	1,122.4	1,154.2	1,115.8	38.40	30.057	
11,305.0	10,564.5	11,596.9	10,569.1	15.7	26.2	91.30	948.4	1,122.4	1,154.3	1,115.8	38.43	30.033	
11,400.0	10,564.7	11,691.9	10,569.7	16.1	26.4	91.32	1,043.4	1,122.2	1,154.7	1,115.7	39.05	29.572	
11,495.0	10,565.0	11,786.9	10,570.4	16.5	26.6	91.33	1,138.4	1,122.0	1,155.2	1,115.5	39.71	29.092	
11,500.0	10,565.1	11,791.9	10,570.4	16.5	26.6	91.33	1,143.4	1,122.0	1,155.2	1,115.4	39.74	29.067	
11,590.0	10,565.3	11,881.9	10,571.1	16.9	26.8	91.35	1,233.4	1,121.8	1,155.6	1,115.2	40.41	28.598	
11,600.0	10,565.4	11,891.9	10,571.1	16.9	26.8	91.35	1,243.4	1,121.8	1,155.7	1,115.2	40.48	28.547	
11,685.0	10,565.6	11,976.9	10,571.7	17.3	27.0	91.37	1,328.4	1,121.6	1,156.1	1,114.9	41.15	28.095	
11,700.0	10,565.7	11,991.9	10,571.9	17.4	27.0	91.37	1,343.4	1,121.5	1,156.1	1,114.9	41.27	28.016	
11,780.0	10,565.9	12,071.9	10,572.4	17.8	27.2	91.39	1,423.4	1,121.4	1,156.5	1,114.6	41.93	27.585	
11,800.0	10,566.0	12,091.9	10,572.6	17.9	27.3	91.39	1,443.4	1,121.3	1,156.6	1,114.5	42.09	27.479	
11,875.0	10,566.2	12,166.9	10,573.1	18.2	27.5	91.41	1,518.4	1,121.2	1,157.0	1,114.2	42.74	27.071	
11,900.0	10,566.3	12,191.9	10,573.3	18.4	27.6	91.41	1,543.4	1,121.1	1,157.1	1,114.1	42.95	26.937	
11,970.0	10,566.5	12,261.9	10,573.8	18.7	27.8	91.42	1,613.4	1,121.0	1,157.4	1,113.8	43.58	26.556	
12,000.0	10,566.6	12,291.9	10,574.0	18.9	27.8	91.43	1,643.4	1,120.9	1,157.5	1,113.7	43.85	26.396	
12,065.0	10,566.8	12,356.9	10,574.4	19.2	28.0	91.44	1,708.4	1,120.8	1,157.8	1,113.4	44.46	26.043	
12,100.0	10,566.9	12,391.9	10,574.7	19.4	28.1	91.45	1,743.4	1,120.7	1,158.0	1,113.2	44.79	25.857	
12,160.0	10,567.1	12,451.9	10,575.1	19.7	28.3	91.46	1,803.4	1,120.6	1,158.3	1,112.9	45.36	25.534	
12,200.0	10,567.2	12,491.9	10,575.4	19.9	28.4	91.47	1,843.4	1,120.5	1,158.5	1,112.7	45.75	25.322	
12,255.0	10,567.4	12,546.9	10,575.8	20.2	28.6	91.48	1,898.4	1,120.4	1,158.7	1,112.5	46.29	25.031	
12,300.0	10,567.5	12,602.8	10,576.2	20.5	28.8	91.49	1,954.3	1,120.1	1,158.9	1,112.0	46.87	24.723	
12,350.0	10,567.7	12,652.0	10,576.5	20.8	29.0	91.50	2,003.5	1,119.6	1,158.7	1,111.3	47.38	24.457	
12,400.0	10,567.8	12,702.0	10,576.9	21.1	29.1	91.51	2,053.5	1,119.1	1,158.5	1,110.6	47.89	24.192	
12,445.0	10,568.0	12,747.0	10,577.2	21.3	29.3	91.52	2,098.5	1,118.6	1,158.3	1,109.9	48.36	23.952	
12,500.0	10,568.1	12,802.0	10,577.6	21.6	29.5	91.53	2,153.5	1,118.0	1,158.1	1,109.1	48.94	23.665	
12,540.0	10,568.3	12,842.0	10,577.8	21.9	29.7	91.54	2,193.5	1,117.5	1,157.9	1,108.6	49.36	23.457	
12,600.0	10,568.5	12,902.0	10,578.3	22.2	29.9	91.55	2,253.4	1,116.9	1,157.7	1,107.7	50.01	23.150	
12,635.0	10,568.6	12,937.0	10,578.5	22.5	30.0	91.56	2,288.4	1,116.5	1,157.5	1,107.2	50.39	22.971	
12,700.0	10,568.8	13,002.0	10,579.0	22.8	30.3	91.57	2,353.4	1,115.8	1,157.3	1,106.2	51.10	22.646	
12,730.0	10,568.9	13,032.0	10,579.2	23.0	30.4	91.58	2,383.4	1,115.5	1,157.2	1,105.7	51.44	22.496	
12,800.0	10,569.1	13,102.0	10,579.7	23.5	30.7	91.59	2,453.4	1,114.7	1,156.9	1,104.7	52.22	22.154	
12,825.0	10,569.1	13,127.0	10,579.9	23.6	30.8	91.59	2,478.4	1,114.5	1,156.8	1,104.3	52.50	22.032	
12,900.0	10,569.4	13,202.0	10,580.4	24.1	31.1	91.61	2,553.4	1,113.6	1,156.5	1,103.1	53.36	21.675	
12,920.0	10,569.4	13,222.0	10,580.5	24.2	31.2	91.61	2,573.4	1,113.4	1,156.4	1,102.8	53.59	21.580	
13,000.0	10,569.7	13,302.0	10,581.1	24.7	31.6	91.63	2,653.4	1,112.6	1,156.1	1,101.6	54.51	21.208	
13,015.0	10,569.7	13,317.0	10,581.2	24.8	31.6	91.63	2,668.4	1,112.4	1,156.0	1,101.3	54.69	21.139	
13,100.0	10,570.0	13,402.0	10,581.8	25.3	32.0	91.65	2,753.4	1,111.5	1,155.7	1,100.0	55.68	20.754	
13,110.0	10,570.0	13,412.0	10,581.9	25.4	32.1	91.65	2,763.4	1,111.4	1,155.7	1,099.8	55.80	20.709	
13,200.0	10,570.3	13,502.0	10,582.5	26.0	32.5	91.67	2,853.4	1,110.4	1,155.3	1,098.4	56.87	20.313	
13,205.0	10,570.3	13,507.0	10,582.5	26.0	32.5	91.67	2,858.4	1,110.3	1,155.3	1,098.3	56.93	20.291	
13,300.0	10,570.6	13,602.0	10,583.2	26.6	32.9	91.69	2,953.4	1,109.3	1,154.9	1,096.8	58.08	19.885	
13,395.0	10,570.9	13,697.0	10,583.9	27.3	33.4	91.71	3,048.4	1,108.3	1,154.5	1,095.3	59.24	19.490	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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		
13,400.0	10,570.9	13,702.0	10,583.9	27.3	33.4	91.71	3,053.4	1,108.2	1,154.5	1,095.2	59.30	19.469		
13,490.0	10,571.2	13,792.0	10,584.5	27.9	33.9	91.73	3,143.4	1,107.3	1,154.1	1,093.7	60.41	19.106		
13,500.0	10,571.2	13,802.0	10,584.6	28.0	33.9	91.73	3,153.4	1,107.1	1,154.1	1,093.6	60.53	19.066		
13,585.0	10,571.5	13,887.0	10,585.2	28.5	34.4	91.75	3,238.3	1,106.2	1,153.8	1,092.2	61.59	18.733		
13,600.0	10,571.5	13,902.0	10,585.3	28.6	34.5	91.75	3,253.3	1,106.1	1,153.7	1,091.9	61.78	18.675		
13,680.0	10,571.8	13,982.0	10,585.9	29.2	34.9	91.77	3,333.3	1,105.2	1,153.4	1,090.6	62.78	18.371		
13,700.0	10,571.8	14,002.0	10,586.0	29.3	35.0	91.77	3,353.3	1,105.0	1,153.3	1,090.3	63.03	18.296		
13,775.0	10,572.1	14,077.0	10,586.5	29.8	35.4	91.79	3,428.3	1,104.2	1,153.0	1,089.0	63.99	18.020		
13,800.0	10,572.2	14,102.0	10,586.7	30.0	35.5	91.79	3,453.3	1,103.9	1,152.9	1,088.6	64.30	17.929		
13,870.0	10,572.4	14,172.0	10,587.2	30.4	35.9	91.81	3,523.3	1,103.1	1,152.6	1,087.4	65.20	17.678		
13,900.0	10,572.5	14,202.0	10,587.4	30.6	36.1	91.81	3,553.3	1,102.8	1,152.5	1,086.9	65.58	17.573		
13,965.0	10,572.7	14,267.0	10,587.9	31.1	36.4	91.83	3,618.3	1,102.1	1,152.3	1,085.8	66.42	17.347		
14,000.0	10,572.8	14,302.0	10,588.1	31.3	36.6	91.83	3,653.3	1,101.7	1,152.1	1,085.2	66.87	17.228		
14,060.0	10,573.0	14,362.0	10,588.6	31.7	36.9	91.84	3,713.3	1,101.1	1,151.9	1,084.2	67.65	17.026		
14,100.0	10,573.1	14,402.0	10,588.8	32.0	37.2	91.85	3,753.3	1,100.6	1,151.7	1,083.5	68.17	16.894		
14,155.0	10,573.3	14,457.0	10,589.2	32.4	37.5	91.86	3,808.3	1,100.1	1,151.5	1,082.6	68.89	16.714		
14,200.0	10,573.4	14,502.0	10,589.5	32.7	37.7	91.87	3,853.3	1,099.6	1,151.3	1,081.8	69.48	16.570		
14,250.0	10,573.5	14,552.0	10,589.9	33.1	38.0	91.88	3,903.3	1,099.0	1,151.1	1,081.0	70.14	16.411		
14,300.0	10,573.7	14,602.0	10,590.2	33.4	38.3	91.89	3,953.3	1,098.5	1,150.9	1,080.1	70.80	16.256		
14,345.0	10,573.8	14,647.0	10,590.6	33.7	38.6	91.90	3,998.3	1,098.0	1,150.7	1,079.3	71.40	16.117		
14,400.0	10,574.0	14,702.0	10,591.0	34.1	38.9	91.91	4,053.3	1,097.4	1,150.5	1,078.4	72.13	15.951		
14,440.0	10,574.1	14,742.0	10,591.2	34.4	39.1	91.92	4,093.3	1,097.0	1,150.4	1,077.7	72.66	15.832		
14,500.0	10,574.3	14,802.0	10,591.7	34.8	39.5	91.93	4,153.3	1,096.3	1,150.1	1,076.7	73.46	15.657		
14,535.0	10,574.4	14,837.0	10,591.9	35.0	39.7	91.94	4,188.3	1,095.9	1,150.0	1,076.1	73.93	15.555		
14,600.0	10,574.6	14,902.0	10,592.4	35.5	40.1	91.95	4,253.2	1,095.2	1,149.7	1,074.9	74.80	15.371		
14,630.0	10,574.7	14,932.0	10,592.6	35.7	40.3	91.96	4,283.2	1,094.9	1,149.6	1,074.4	75.21	15.286		
14,700.0	10,574.9	15,002.0	10,593.1	36.2	40.7	91.98	4,353.2	1,094.2	1,149.3	1,073.2	76.15	15.093		
14,725.0	10,575.0	15,027.0	10,593.2	36.4	40.9	91.98	4,378.2	1,093.9	1,149.2	1,072.8	76.49	15.025		
14,800.0	10,575.2	15,102.0	10,593.8	36.9	41.3	92.00	4,453.2	1,093.1	1,148.9	1,071.4	77.50	14.825		
14,820.0	10,575.3	15,122.0	10,593.9	37.1	41.4	92.00	4,473.2	1,092.9	1,148.9	1,071.1	77.77	14.772		
14,900.0	10,575.6	15,201.9	10,594.5	37.6	41.9	92.02	4,553.2	1,092.0	1,148.5	1,069.7	78.86	14.564		
14,915.0	10,575.6	15,216.9	10,594.6	37.7	42.0	92.02	4,568.2	1,091.8	1,148.5	1,069.4	79.07	14.525		
15,000.0	10,575.9	15,301.9	10,595.2	38.3	42.6	92.04	4,653.2	1,090.9	1,148.2	1,067.9	80.23	14.311		
15,010.0	10,575.9	15,311.9	10,595.3	38.4	42.6	92.04	4,663.2	1,090.8	1,148.1	1,067.7	80.37	14.286		
15,100.0	10,576.2	15,401.9	10,595.9	39.0	43.2	92.06	4,753.2	1,089.8	1,147.8	1,066.2	81.60	14.065		
15,105.0	10,576.2	15,406.9	10,595.9	39.1	43.2	92.06	4,758.2	1,089.8	1,147.7	1,066.1	81.67	14.053		
15,200.0	10,576.5	15,501.9	10,596.6	39.8	43.8	92.08	4,853.2	1,088.7	1,147.4	1,064.4	82.98	13.827		
15,295.0	10,576.8	15,596.9	10,597.3	40.4	44.4	92.10	4,948.2	1,087.7	1,147.0	1,062.7	84.29	13.607		
15,300.0	10,576.8	15,601.9	10,597.3	40.5	44.5	92.10	4,953.2	1,087.7	1,147.0	1,062.6	84.36	13.596		
15,390.0	10,577.1	15,691.9	10,597.9	41.1	45.0	92.12	5,043.2	1,086.7	1,146.6	1,061.0	85.61	13.394		
15,400.0	10,577.1	15,701.9	10,598.0	41.2	45.1	92.12	5,053.2	1,086.6	1,146.6	1,060.8	85.75	13.371		
15,485.0	10,577.4	15,786.9	10,598.6	41.8	45.7	92.14	5,138.2	1,085.7	1,146.2	1,059.3	86.93	13.186		
15,500.0	10,577.4	15,801.9	10,598.7	41.9	45.8	92.14	5,153.2	1,085.5	1,146.2	1,059.0	87.14	13.153		
15,580.0	10,577.7	15,881.9	10,599.3	42.5	46.3	92.16	5,233.1	1,084.6	1,145.9	1,057.6	88.26	12.983		
15,600.0	10,577.7	15,901.9	10,599.4	42.6	46.4	92.16	5,253.1	1,084.4	1,145.8	1,057.2	88.54	12.941		
15,675.0	10,577.9	15,976.9	10,599.9	43.2	46.9	92.18	5,328.1	1,083.6	1,145.5	1,055.9	89.59	12.786		
15,700.0	10,578.0	16,001.9	10,600.1	43.4	47.1	92.18	5,353.1	1,083.3	1,145.4	1,055.5	89.94	12.735		
15,770.0	10,578.2	16,071.9	10,600.6	43.9	47.5	92.19	5,423.1	1,082.6	1,145.1	1,054.2	90.92	12.595		
15,800.0	10,578.3	16,101.9	10,600.8	44.1	47.7	92.20	5,453.1	1,082.2	1,145.0	1,053.7	91.34	12.535		
15,865.0	10,578.5	16,166.9	10,601.3	44.6	48.2	92.21	5,518.1	1,081.5	1,144.7	1,052.5	92.26	12.408		
15,900.0	10,578.6	16,201.9	10,601.5	44.8	48.4	92.22	5,553.1	1,081.2	1,144.6	1,051.9	92.75	12.341		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0											Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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
15,960.0	10,578.8	16,261.9	10,601.9	45.2	48.8	92.23	5,613.1	1,080.5	1,144.4	1,050.8	93.60	12.226
16,000.0	10,578.9	16,301.9	10,602.2	45.5	49.1	92.24	5,653.1	1,080.1	1,144.2	1,050.0	94.16	12.151
16,055.0	10,579.1	16,356.9	10,602.6	45.9	49.4	92.25	5,708.1	1,079.5	1,144.0	1,049.0	94.94	12.050
16,100.0	10,579.3	16,401.9	10,602.9	46.3	49.7	92.26	5,753.1	1,079.0	1,143.8	1,048.2	95.58	11.967
16,150.0	10,579.4	16,451.9	10,603.3	46.6	50.1	92.27	5,803.1	1,078.5	1,143.6	1,047.3	96.29	11.877
16,200.0	10,579.6	16,501.9	10,603.6	47.0	50.4	92.28	5,853.1	1,077.9	1,143.4	1,046.4	97.00	11.788
16,245.0	10,579.7	16,546.9	10,604.0	47.3	50.7	92.29	5,898.1	1,077.4	1,143.2	1,045.6	97.64	11.709
16,300.0	10,579.9	16,601.9	10,604.3	47.7	51.1	92.30	5,953.1	1,076.8	1,143.0	1,044.6	98.42	11.614
16,340.0	10,580.0	16,641.9	10,604.6	48.0	51.4	92.31	5,993.1	1,076.4	1,142.9	1,043.9	98.99	11.545
16,400.0	10,580.2	16,701.9	10,605.0	48.5	51.8	92.32	6,053.1	1,075.7	1,142.6	1,042.8	99.84	11.444
16,435.0	10,580.3	16,736.9	10,605.3	48.7	52.0	92.33	6,088.1	1,075.4	1,142.5	1,042.2	100.34	11.386
16,500.0	10,580.5	16,801.9	10,605.8	49.2	52.4	92.35	6,153.1	1,074.7	1,142.2	1,041.0	101.27	11.279
16,530.0	10,580.6	16,831.9	10,606.0	49.4	52.6	92.35	6,183.1	1,074.3	1,142.1	1,040.4	101.70	11.230
16,600.0	10,580.8	16,901.9	10,606.5	49.9	53.1	92.37	6,253.0	1,073.6	1,141.8	1,039.1	102.70	11.118
16,625.0	10,580.9	16,926.9	10,606.6	50.1	53.3	92.37	6,278.0	1,073.3	1,141.7	1,038.7	103.06	11.078
16,700.0	10,581.1	17,001.9	10,607.2	50.7	53.8	92.39	6,353.0	1,072.5	1,141.5	1,037.3	104.14	10.961
16,720.0	10,581.2	17,021.9	10,607.3	50.8	53.9	92.39	6,373.0	1,072.3	1,141.4	1,036.9	104.42	10.930
16,800.0	10,581.4	17,101.9	10,607.9	51.4	54.5	92.41	6,453.0	1,071.4	1,141.1	1,035.5	105.57	10.808
16,815.0	10,581.5	17,116.9	10,608.0	51.5	54.6	92.41	6,468.0	1,071.3	1,141.0	1,035.2	105.79	10.786
16,900.0	10,581.7	17,201.9	10,608.6	52.1	55.2	92.43	6,553.0	1,070.3	1,140.7	1,033.7	107.01	10.659
16,910.0	10,581.8	17,211.9	10,608.6	52.2	55.3	92.43	6,563.0	1,070.2	1,140.6	1,033.5	107.16	10.644
17,000.0	10,582.0	17,301.9	10,609.3	52.9	55.9	92.45	6,653.0	1,069.3	1,140.3	1,031.8	108.45	10.514
17,005.0	10,582.1	17,306.9	10,609.3	52.9	55.9	92.45	6,658.0	1,069.2	1,140.3	1,031.7	108.53	10.507
17,100.0	10,582.3	17,401.9	10,610.0	53.6	56.6	92.47	6,753.0	1,068.2	1,139.9	1,030.0	109.90	10.372
17,195.0	10,582.6	17,496.9	10,610.6	54.3	57.2	92.49	6,848.0	1,067.1	1,139.5	1,028.2	111.27	10.241
17,200.0	10,582.7	17,501.9	10,610.7	54.3	57.3	92.49	6,853.0	1,067.1	1,139.5	1,028.1	111.34	10.234
17,290.0	10,582.9	17,591.9	10,611.3	55.0	57.9	92.51	6,943.0	1,066.1	1,139.1	1,026.5	112.65	10.112
17,300.0	10,583.0	17,601.9	10,611.4	55.1	58.0	92.51	6,953.0	1,066.0	1,139.1	1,026.3	112.79	10.099
17,385.0	10,583.2	17,686.9	10,612.0	55.7	58.6	92.53	7,038.0	1,065.1	1,138.8	1,024.7	114.02	9.987
17,400.0	10,583.3	17,701.9	10,612.1	55.8	58.7	92.53	7,053.0	1,064.9	1,138.7	1,024.5	114.24	9.968
17,480.0	10,583.5	17,781.9	10,612.7	56.4	59.2	92.55	7,133.0	1,064.1	1,138.4	1,023.0	115.40	9.864
17,500.0	10,583.6	17,801.9	10,612.8	56.6	59.4	92.55	7,153.0	1,063.8	1,138.3	1,022.6	115.69	9.839
17,575.0	10,583.8	17,876.9	10,613.3	57.1	59.9	92.57	7,227.9	1,063.0	1,138.0	1,021.2	116.78	9.745
17,592.4	10,583.9	17,889.8	10,613.4	57.2	60.0	92.57	7,240.9	1,062.9	1,138.0	1,021.0	116.98	9.728 CC
17,600.0	10,583.9	17,895.3	10,613.5	57.3	60.0	92.57	7,246.3	1,062.9	1,138.0	1,020.9	117.06	9.721
17,670.0	10,584.1	17,950.8	10,613.8	57.8	60.4	92.58	7,301.9	1,063.1	1,138.7	1,020.8	117.89	9.659 ES
17,700.0	10,584.2	17,980.8	10,614.1	58.0	60.6	92.59	7,331.9	1,063.3	1,139.1	1,020.8	118.33	9.627
17,765.0	10,584.4	18,045.8	10,614.5	58.5	61.1	92.60	7,396.9	1,063.8	1,140.1	1,020.8	119.27	9.559
17,800.0	10,584.5	18,080.8	10,614.8	58.8	61.3	92.60	7,431.8	1,064.1	1,140.6	1,020.8	119.78	9.522
17,860.0	10,584.7	18,140.8	10,615.2	59.2	61.8	92.61	7,491.8	1,064.5	1,141.5	1,020.8	120.66	9.460
17,900.0	10,584.8	18,180.8	10,615.5	59.5	62.0	92.62	7,531.8	1,064.8	1,142.0	1,020.8	121.24	9.420
17,955.0	10,585.0	18,235.8	10,615.9	59.9	62.4	92.63	7,586.8	1,065.3	1,142.9	1,020.8	122.04	9.364
18,000.0	10,585.1	18,280.8	10,616.2	60.3	62.8	92.64	7,631.8	1,065.6	1,143.5	1,020.8	122.70	9.320
18,050.0	10,585.3	18,330.8	10,616.5	60.6	63.1	92.65	7,681.8	1,066.0	1,144.2	1,020.8	123.43	9.270
18,100.0	10,585.4	18,380.8	10,616.9	61.0	63.5	92.65	7,731.8	1,066.4	1,145.0	1,020.8	124.16	9.222
18,145.0	10,585.6	18,425.8	10,617.2	61.4	63.8	92.66	7,776.8	1,066.7	1,145.6	1,020.8	124.82	9.178
18,200.0	10,585.7	18,480.8	10,617.6	61.8	64.2	92.67	7,831.8	1,067.2	1,146.4	1,020.8	125.62	9.126
18,233.9	10,585.8	18,514.6	10,617.8	62.0	64.4	92.68	7,865.6	1,067.4	1,146.9	1,020.8	126.12	9.094
18,240.0	10,585.9	18,520.8	10,617.9	62.1	64.5	92.68	7,871.8	1,067.5	1,147.0	1,020.8	126.21	9.088
18,283.9	10,586.0	18,564.6	10,618.2	62.4	64.8	92.68	7,915.6	1,067.8	1,147.7	1,020.8	126.85	9.048
18,284.8	10,586.0	18,565.6	10,618.2	62.4	64.8	92.68	7,916.6	1,067.8	1,147.7	1,020.8	126.86	9.047 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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE #401H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		100-GYRO-NS, 8660-MWD <th colspan="2">Rule Assigned:</th> <th colspan="2">Offset Well Error:</th> <td colspan="2">3.0 usft</td>					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)	Major Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,170.0	8,170.0	11,570.1	9,205.2	12.4	68.6	-179.92	-850.0	-1.2	1,307.4	1,244.7	62.63	20.875		
8,200.0	8,200.0	11,570.6	9,205.2	12.4	68.6	-179.95	-850.0	-0.8	1,284.7	1,221.5	63.24	20.314		
8,265.0	8,265.0	11,568.8	9,205.2	12.5	68.6	-179.83	-850.1	-2.6	1,236.7	1,172.1	64.59	19.147		
8,300.0	8,300.0	11,569.2	9,205.2	12.5	68.6	-179.86	-850.1	-2.1	1,211.6	1,146.2	65.36	18.536		
8,360.0	8,360.0	11,570.0	9,205.2	12.5	68.6	-179.91	-850.1	-1.3	1,169.6	1,102.8	66.73	17.528		
8,400.0	8,400.0	11,570.5	9,205.2	12.6	68.6	-179.95	-850.1	-0.8	1,142.5	1,074.8	67.66	16.885		
8,455.0	8,455.0	11,571.2	9,205.2	12.6	68.6	-179.99	-850.0	-0.1	1,106.5	1,037.5	68.97	16.042		
8,500.0	8,500.0	11,571.8	9,205.2	12.7	68.6	-179.97	-850.0	0.5	1,078.2	1,008.1	70.07	15.388		
8,550.0	8,550.0	11,572.5	9,205.2	12.7	68.6	-179.92	-850.0	1.1	1,048.2	976.9	71.30	14.701		
8,600.0	8,600.0	11,573.1	9,205.2	12.8	68.6	-179.88	-850.0	1.8	1,019.8	947.2	72.54	14.058		
8,645.0	8,645.0	11,573.7	9,205.2	12.8	68.7	-179.84	-850.0	2.4	995.6	922.0	73.64	13.519		
8,700.0	8,700.0	11,574.4	9,205.2	12.9	68.7	-179.79	-850.0	3.1	968.1	893.1	74.97	12.912		
8,740.0	8,740.0	11,574.9	9,205.2	12.9	68.7	-179.76	-850.0	3.6	949.6	873.7	75.92	12.509		
8,800.0	8,800.0	11,575.7	9,205.3	12.9	68.7	-179.71	-850.0	4.3	924.4	847.2	77.26	11.965		
8,835.0	8,835.0	11,576.1	9,205.3	13.0	68.7	-179.68	-850.0	4.8	911.2	833.2	78.00	11.682		
8,900.0	8,900.0	11,576.9	9,205.3	13.0	68.7	-179.62	-850.0	5.6	889.9	810.6	79.25	11.228		
8,930.0	8,930.0	11,577.3	9,205.3	13.1	68.7	-179.60	-850.0	6.0	881.5	801.7	79.77	11.050		
9,000.0	9,000.0	11,578.2	9,205.3	13.1	68.8	-179.54	-850.0	6.8	865.6	784.8	80.79	10.713		
9,025.0	9,025.0	11,578.5	9,205.3	13.1	68.8	-179.52	-850.0	7.1	861.2	780.1	81.09	10.620		
9,100.0	9,100.0	11,579.4	9,205.3	13.2	68.8	-179.46	-850.0	8.1	852.4	770.6	81.75	10.426		
9,120.0	9,120.0	11,579.6	9,205.3	13.2	68.8	-179.44	-850.0	8.3	851.1	769.2	81.87	10.396		
9,163.4	9,163.4	11,580.2	9,205.3	13.3	68.8	-179.40	-850.0	8.8	850.0	768.0	82.02	10.363	CC, ES, SF	
9,200.0	9,200.0	11,580.6	9,205.3	13.3	68.8	-179.37	-850.0	9.3	850.8	768.7	82.05	10.369		
9,215.0	9,215.0	11,580.8	9,205.3	13.3	68.8	-179.36	-850.0	9.5	851.6	769.5	82.04	10.380		
9,300.0	9,300.0	11,581.8	9,205.3	13.4	68.8	-179.29	-849.9	10.5	860.9	779.2	81.70	10.538		
9,310.0	9,310.0	11,582.0	9,205.3	13.4	68.8	-179.28	-849.9	10.6	862.5	780.9	81.63	10.567		
9,400.0	9,400.0	11,583.0	9,205.3	13.5	68.9	-179.21	-849.9	11.7	882.3	801.5	80.77	10.924		
9,405.0	9,405.0	11,583.1	9,205.3	13.5	68.9	-179.21	-849.9	11.8	883.7	803.0	80.71	10.949		
9,500.0	9,500.0	11,584.2	9,205.4	13.6	68.9	-179.13	-849.9	12.9	914.2	834.8	79.39	11.515		
9,595.0	9,595.0	11,585.4	9,205.4	13.7	68.9	-179.05	-849.9	14.0	953.3	875.5	77.81	12.251		
9,600.0	9,600.0	11,585.4	9,205.4	13.7	68.9	-179.05	-849.9	14.1	955.6	877.8	77.72	12.295		
9,690.0	9,690.0	11,586.5	9,205.4	13.7	68.9	-178.98	-849.9	15.2	999.9	923.8	76.09	13.141		
9,700.0	9,700.0	11,586.6	9,205.4	13.8	68.9	-178.97	-849.9	15.3	1,005.2	929.3	75.91	13.242		
9,785.0	9,785.0	11,587.6	9,205.4	13.8	69.0	-178.90	-849.9	16.3	1,053.0	978.7	74.33	14.166		
9,800.0	9,800.0	11,587.8	9,205.4	13.8	69.0	-178.89	-849.9	16.5	1,061.9	987.9	74.06	14.339		
9,880.0	9,880.0	11,588.7	9,205.4	13.9	69.0	-178.83	-849.9	17.4	1,111.7	1,039.1	72.62	15.310		
9,900.0	9,900.0	11,588.9	9,205.4	13.9	69.0	-178.81	-849.9	17.6	1,124.7	1,052.5	72.26	15.564		
9,975.0	9,975.0	11,589.8	9,205.4	14.0	69.0	-178.75	-849.9	18.5	1,175.2	1,104.2	70.99	16.555		
10,000.0	10,000.0	11,590.1	9,205.4	14.0	69.0	-178.74	-849.8	18.8	1,192.6	1,122.0	70.58	16.897		
10,070.0	10,070.0	11,590.9	9,205.4	14.1	69.0	-178.68	-849.8	19.6	1,242.7	1,173.2	69.47	17.887		
10,085.5	10,085.5	11,591.1	9,205.4	14.1	69.0	-178.67	-849.8	19.7	1,254.1	1,184.8	69.24	18.112		
10,100.0	10,100.0	11,591.2	9,205.4	14.1	69.0	-178.23	-849.8	19.9	1,264.9	1,195.9	69.03	18.325		
10,125.0	10,125.0	11,591.4	9,205.4	14.1	69.0	-178.13	-849.8	20.1	1,284.4	1,215.7	68.70	18.697		
10,150.0	10,149.8	11,591.6	9,205.4	14.1	69.1	-178.00	-849.8	20.3	1,304.9	1,236.5	68.40	19.077		
10,165.0	10,164.6	11,591.7	9,205.4	14.1	69.1	-177.90	-849.8	20.4	1,317.6	1,249.4	68.24	19.307		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE #422H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 100-Standard Keeper 104, 9511-MWD							Rule Assigned:						Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Warning			
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Between	Between	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)			
9,310.0	9,310.0	15,540.0	10,513.5	13.4	88.3	119.58	-281.4	495.7	1,311.7	1,241.0	70.63	18.572		
9,400.0	9,400.0	15,540.0	10,513.5	13.5	88.3	119.58	-281.4	495.7	1,231.2	1,159.7	71.58	17.202		
9,405.0	9,405.0	15,540.0	10,513.5	13.5	88.3	119.58	-281.4	495.7	1,226.8	1,155.2	71.63	17.126		
9,500.0	9,500.0	15,540.0	10,513.5	13.6	88.3	119.58	-281.4	495.7	1,143.5	1,070.7	72.78	15.712		
9,595.0	9,595.0	15,540.0	10,513.5	13.7	88.3	119.58	-281.4	495.7	1,062.2	988.1	74.10	14.334		
9,600.0	9,600.0	15,540.0	10,513.5	13.7	88.3	119.58	-281.4	495.7	1,058.0	983.8	74.18	14.263		
9,690.0	9,690.0	15,540.0	10,513.5	13.7	88.3	119.58	-281.4	495.7	983.4	907.8	75.63	13.003		
9,700.0	9,700.0	15,540.0	10,513.5	13.8	88.3	119.58	-281.4	495.7	975.3	899.5	75.80	12.866		
9,785.0	9,785.0	15,540.0	10,513.5	13.8	88.3	119.58	-281.4	495.7	907.6	830.3	77.38	11.729		
9,800.0	9,800.0	15,540.0	10,513.5	13.8	88.3	119.58	-281.4	495.7	896.0	818.3	77.68	11.534		
9,880.0	9,880.0	15,540.0	10,513.5	13.9	88.3	119.58	-281.4	495.7	835.8	756.4	79.40	10.528		
9,900.0	9,900.0	15,540.0	10,513.5	13.9	88.3	119.58	-281.4	495.7	821.3	741.5	79.85	10.286		
9,975.0	9,975.0	15,540.0	10,513.5	14.0	88.3	119.58	-281.4	495.7	769.1	687.4	81.66	9.418		
10,000.0	10,000.0	15,540.0	10,513.5	14.0	88.3	119.58	-281.4	495.7	752.5	670.2	82.30	9.144		
10,070.0	10,070.0	15,540.0	10,513.5	14.1	88.3	119.58	-281.4	495.7	708.8	624.7	84.13	8.425		
10,085.5	10,085.5	15,540.0	10,513.5	14.1	88.3	119.58	-281.4	495.7	699.7	615.1	84.55	8.275		
10,100.0	10,100.0	15,540.0	10,513.5	14.1	88.3	123.63	-281.4	495.7	691.5	606.6	84.93	8.142		
10,125.0	10,125.0	15,540.0	10,513.5	14.1	88.3	125.17	-281.4	495.7	678.3	592.8	85.53	7.930		
10,150.0	10,149.8	15,540.0	10,513.5	14.1	88.3	126.47	-281.4	495.7	666.5	580.4	86.08	7.743		
10,165.0	10,164.6	15,540.0	10,513.5	14.1	88.3	127.15	-281.4	495.7	660.1	573.7	86.37	7.642		
10,175.0	10,174.5	15,540.0	10,513.5	14.1	88.3	127.57	-281.4	495.7	656.1	569.6	86.55	7.581		
10,200.0	10,198.9	15,540.0	10,513.5	14.1	88.3	128.46	-281.4	495.7	647.3	560.3	86.93	7.446		
10,225.0	10,223.0	15,540.0	10,513.5	14.2	88.3	129.16	-281.4	495.7	640.1	552.9	87.21	7.339		
10,250.0	10,246.8	15,540.0	10,513.5	14.2	88.3	129.68	-281.4	495.7	634.6	547.2	87.38	7.262		
10,260.0	10,256.1	15,540.0	10,513.5	14.2	88.3	129.84	-281.4	495.7	632.9	545.5	87.41	7.240		
10,275.0	10,270.1	15,540.0	10,513.5	14.2	88.3	130.03	-281.4	495.7	630.9	543.4	87.43	7.216		
10,300.0	10,292.9	15,540.0	10,513.5	14.2	88.3	130.21	-281.4	495.7	629.0	541.6	87.34	7.201 SF		
10,313.4	10,304.9	15,540.0	10,513.5	14.2	88.3	130.23	-281.4	495.7	628.7	541.5	87.25	7.206 CC, ES		
10,325.0	10,315.1	15,540.0	10,513.5	14.2	88.3	130.21	-281.4	495.7	628.9	541.8	87.14	7.218		
10,350.0	10,336.7	15,540.0	10,513.5	14.3	88.3	130.05	-281.4	495.7	630.7	543.9	86.80	7.266		
10,355.0	10,340.9	15,540.0	10,513.5	14.3	88.3	130.00	-281.4	495.7	631.2	544.5	86.72	7.279		
10,375.0	10,357.6	15,540.0	10,513.5	14.3	88.3	129.72	-281.4	495.7	634.3	547.9	86.34	7.346		
10,400.0	10,377.8	15,540.0	10,513.5	14.3	88.3	129.21	-281.4	495.7	639.6	553.9	85.77	7.458		
10,425.0	10,397.1	15,540.0	10,513.5	14.4	88.3	128.52	-281.4	495.7	646.7	561.6	85.09	7.600		
10,450.0	10,415.6	15,540.0	10,513.5	14.4	88.3	127.64	-281.4	495.7	655.4	571.1	84.32	7.773		
10,475.0	10,433.2	15,540.0	10,513.5	14.4	88.3	126.56	-281.4	495.7	665.7	582.2	83.48	7.975		
10,500.0	10,449.9	15,540.0	10,513.5	14.4	88.3	125.27	-281.4	495.7	677.4	594.8	82.56	8.205		
10,525.0	10,465.5	15,540.0	10,513.5	14.5	88.3	123.75	-281.4	495.7	690.5	608.9	81.60	8.462		
10,545.0	10,477.3	15,540.0	10,513.5	14.5	88.3	122.36	-281.4	495.7	701.8	621.0	80.80	8.686		
10,550.0	10,480.1	15,540.0	10,513.5	14.5	88.3	121.99	-281.4	495.7	704.8	624.2	80.60	8.745		
10,575.0	10,493.7	15,540.0	10,513.5	14.5	88.3	119.97	-281.4	495.7	720.3	640.7	79.57	9.052		
10,600.0	10,506.1	15,540.0	10,513.5	14.6	88.3	117.66	-281.4	495.7	736.7	658.2	78.52	9.383		
10,625.0	10,517.3	15,540.0	10,513.5	14.6	88.3	115.07	-281.4	495.7	754.1	676.6	77.46	9.735		
10,640.0	10,523.5	15,540.0	10,513.5	14.6	88.3	113.36	-281.4	495.7	764.9	688.1	76.82	9.957		
10,650.0	10,527.4	15,540.0	10,513.5	14.6	88.3	112.16	-281.4	495.7	772.3	695.9	76.40	10.108		
10,675.0	10,536.3	15,540.0	10,513.5	14.6	88.3	108.93	-281.4	495.7	791.1	715.8	75.34	10.500		
10,700.0	10,543.9	15,540.0	10,513.5	14.7	88.3	105.37	-281.4	495.7	810.6	736.3	74.30	10.910		
10,725.0	10,550.3	15,540.0	10,513.5	14.7	88.3	101.49	-281.4	495.7	830.6	757.3	73.27	11.336		
10,735.0	10,552.5	15,540.0	10,513.5	14.7	88.3	99.86	-281.4	495.7	838.7	765.8	72.86	11.510		
10,750.0	10,555.4	15,540.0	10,513.5	14.7	88.3	97.33	-281.4	495.7	850.9	778.7	72.26	11.777		
10,775.0	10,559.2	15,540.0	10,513.5	14.7	88.3	92.90	-281.4	495.7	871.7	800.4	71.27	12.231		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE #422H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9511-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis 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
10,800.0	10,561.7	15,540.0	10,513.5	14.7	88.3	88.28	-281.4	495.7	892.6	822.3	70.30	12.698	
10,825.0	10,562.9	15,540.0	10,513.5	14.7	88.3	83.53	-281.4	495.7	913.8	844.4	69.35	13.176	
10,830.0	10,563.0	15,540.0	10,513.5	14.7	88.3	82.57	-281.4	495.7	918.0	848.9	69.17	13.273	
10,834.1	10,563.0	15,540.0	10,513.5	14.7	88.3	81.80	-281.4	495.7	921.5	852.5	69.02	13.352	
10,900.0	10,563.2	15,540.0	10,513.5	14.7	88.3	82.09	-281.4	495.7	977.8	911.1	66.66	14.668	
10,925.0	10,563.3	15,540.0	10,513.5	14.7	88.3	82.21	-281.4	495.7	999.2	933.4	65.80	15.185	
10,967.3	10,563.4	15,540.0	10,513.5	14.7	88.3	82.40	-281.4	495.7	1,035.7	971.3	64.39	16.084	
11,000.0	10,563.5	15,540.0	10,513.5	14.8	88.3	82.40	-281.4	495.7	1,064.0	1,000.7	63.34	16.797	
11,020.0	10,563.6	15,540.0	10,513.5	14.8	88.3	82.40	-281.4	495.7	1,081.5	1,018.7	62.73	17.240	
11,100.0	10,563.8	15,540.0	10,513.5	15.1	88.3	82.40	-281.4	495.7	1,152.1	1,091.7	60.44	19.061	
11,115.0	10,563.9	15,540.0	10,513.5	15.1	88.3	82.40	-281.4	495.7	1,165.5	1,105.5	60.04	19.411	
11,200.0	10,564.1	15,540.0	10,513.5	15.4	88.3	82.40	-281.4	495.7	1,242.0	1,184.1	57.93	21.440	
11,210.0	10,564.2	15,540.0	10,513.5	15.4	88.3	82.40	-281.4	495.7	1,251.1	1,193.4	57.70	21.683	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP												Offset Site Error: 0.0 usft	
Survey Program: 100- VES GyroFlex, 7591-MWD		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 3.0 usft	
Measured Reference	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance				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	
0.0	0.0	16.1	16.1	4.2	3.0	-119.38	-524.0	-930.6	1,068.0				
95.0	95.0	117.3	117.3	4.3	3.0	-119.39	-524.0	-930.2	1,067.6	1,060.4	7.26	147.033	
100.0	100.0	122.6	122.6	4.3	3.0	-119.39	-523.9	-930.1	1,067.6	1,060.3	7.26	146.972	
190.0	190.0	215.9	215.9	4.3	3.0	-119.36	-523.0	-929.7	1,066.8	1,059.4	7.35	145.214	
200.0	200.0	225.5	225.5	4.4	3.0	-119.35	-522.8	-929.7	1,066.7	1,059.3	7.36	144.951	
285.0	285.0	307.2	307.2	4.4	3.0	-119.29	-521.5	-929.7	1,066.0	1,058.5	7.44	143.296	
300.0	300.0	321.9	321.9	4.4	3.0	-119.27	-521.2	-929.7	1,065.9	1,058.4	7.45	142.979	
380.0	380.0	400.1	400.1	4.5	3.0	-119.19	-519.7	-930.1	1,065.4	1,057.9	7.53	141.495	
400.0	400.0	421.5	421.4	4.5	3.0	-119.17	-519.2	-930.2	1,065.3	1,057.8	7.55	141.094	
475.0	475.0	501.5	501.4	4.6	3.1	-119.08	-517.4	-930.4	1,064.7	1,057.1	7.62	139.673	
500.0	500.0	528.3	528.2	4.6	3.1	-119.05	-516.8	-930.4	1,064.4	1,056.8	7.65	139.154	
570.0	570.0	603.1	603.0	4.7	3.1	-118.95	-514.7	-930.4	1,063.4	1,055.7	7.72	137.744	
600.0	600.0	632.3	632.2	4.7	3.1	-118.91	-513.8	-930.3	1,062.9	1,055.1	7.75	137.103	
665.0	665.0	696.1	695.9	4.8	3.1	-118.85	-512.3	-930.0	1,061.9	1,054.1	7.82	135.772	
700.0	700.0	733.0	732.8	4.8	3.1	-118.82	-511.6	-929.7	1,061.3	1,053.5	7.86	134.999	
760.0	760.0	796.8	796.6	4.9	3.2	-118.79	-510.5	-929.0	1,060.2	1,052.3	7.93	133.670	
800.0	800.0	838.9	838.7	4.9	3.2	-118.78	-509.9	-928.3	1,059.4	1,051.4	7.98	132.722	
855.0	855.0	896.7	896.6	5.0	3.2	-118.77	-509.0	-927.2	1,058.1	1,050.0	8.05	131.415	
900.0	900.0	943.5	943.3	5.0	3.2	-118.76	-508.4	-926.2	1,056.9	1,048.8	8.11	130.311	
950.0	950.0	995.4	995.2	5.1	3.3	-118.77	-507.8	-924.8	1,055.5	1,047.4	8.18	129.085	
1,000.0	1,000.0	1,044.4	1,044.1	5.1	3.3	-118.79	-507.4	-923.5	1,054.1	1,045.9	8.24	127.862	
1,045.0	1,045.0	1,088.1	1,087.9	5.1	3.3	-118.80	-507.1	-922.3	1,052.9	1,044.6	8.30	126.783	
1,100.0	1,100.0	1,145.1	1,144.8	5.2	3.3	-118.83	-506.8	-920.8	1,051.4	1,043.0	8.38	125.426	
1,140.0	1,140.0	1,187.3	1,187.0	5.2	3.4	-118.84	-506.4	-919.5	1,050.3	1,041.8	8.44	124.433	
1,200.0	1,200.0	1,242.2	1,241.9	5.3	3.4	-118.86	-505.9	-918.0	1,048.5	1,040.0	8.53	122.986	
1,235.0	1,235.0	1,273.1	1,272.7	5.3	3.4	-118.86	-505.6	-917.4	1,047.7	1,039.1	8.57	122.184	
1,300.0	1,300.0	1,333.9	1,333.6	5.4	3.5	-118.86	-505.0	-916.4	1,046.5	1,037.8	8.67	120.706	
1,330.0	1,330.0	1,363.5	1,363.1	5.4	3.5	-118.86	-504.9	-915.9	1,046.0	1,037.2	8.71	120.029	
1,400.0	1,400.0	1,434.6	1,434.3	5.5	3.5	-118.89	-504.7	-914.6	1,044.8	1,035.9	8.82	118.448	
1,425.0	1,425.0	1,461.0	1,460.6	5.5	3.5	-118.91	-504.7	-914.0	1,044.3	1,035.4	8.86	117.888	
1,500.0	1,500.0	1,540.0	1,539.6	5.6	3.6	-118.97	-504.8	-912.0	1,042.7	1,033.7	8.97	116.203	
1,520.0	1,520.0	1,561.0	1,560.6	5.6	3.6	-118.99	-504.9	-911.3	1,042.2	1,033.2	9.00	115.760	
1,600.0	1,600.0	1,640.4	1,640.0	5.7	3.6	-119.08	-505.3	-908.8	1,040.2	1,031.0	9.12	114.039	
1,615.0	1,615.0	1,654.5	1,654.1	5.7	3.7	-119.09	-505.4	-908.4	1,039.8	1,030.7	9.14	113.733	
1,700.0	1,700.0	1,740.0	1,739.5	5.8	3.7	-119.19	-506.1	-905.9	1,037.9	1,028.7	9.27	111.983	
1,710.0	1,710.0	1,750.9	1,750.4	5.8	3.7	-119.20	-506.1	-905.6	1,037.7	1,028.4	9.28	111.771	
1,800.0	1,800.0	1,842.7	1,842.2	5.9	3.8	-119.31	-506.6	-902.5	1,035.3	1,025.9	9.42	109.896	
1,805.0	1,805.0	1,847.5	1,846.9	5.9	3.8	-119.32	-506.7	-902.3	1,035.2	1,025.7	9.43	109.797	
1,900.0	1,900.0	1,936.2	1,935.6	6.0	3.8	-119.43	-507.5	-899.4	1,033.0	1,023.4	9.57	107.981	
1,995.0	1,995.0	2,023.5	2,022.9	6.1	3.9	-119.53	-508.3	-897.4	1,031.4	1,021.7	9.70	106.362	
2,000.0	2,000.0	2,028.1	2,027.5	6.1	3.9	-119.53	-508.3	-897.3	1,031.4	1,021.7	9.70	106.284	
2,090.0	2,090.0	2,112.7	2,112.1	6.2	4.0	-119.62	-509.4	-895.8	1,030.6	1,020.7	9.88	104.328	
2,100.0	2,100.0	2,122.6	2,122.0	6.2	4.0	-119.63	-509.5	-895.7	1,030.5	1,020.6	9.90	104.114	
2,185.0	2,185.0	2,208.1	2,207.4	6.3	4.0	-119.69	-510.2	-894.7	1,030.0	1,019.9	10.05	102.454	
2,200.0	2,200.0	2,226.1	2,225.4	6.4	4.0	-119.70	-510.3	-894.5	1,029.8	1,019.7	10.08	102.115	
2,280.0	2,280.0	2,319.0	2,318.3	6.5	4.1	-119.78	-510.7	-892.3	1,028.4	1,018.2	10.25	100.292	
2,300.0	2,300.0	2,339.5	2,338.8	6.5	4.1	-119.81	-510.8	-891.8	1,028.0	1,017.7	10.30	99.834	
2,375.0	2,375.0	2,413.1	2,412.4	6.6	4.2	-119.88	-511.0	-889.6	1,026.2	1,015.7	10.45	98.206	
2,400.0	2,400.0	2,433.5	2,432.8	6.6	4.2	-119.89	-511.1	-889.1	1,025.7	1,015.2	10.49	97.745	
2,470.0	2,470.0	2,490.6	2,489.9	6.7	4.3	-119.94	-511.5	-888.2	1,024.9	1,014.3	10.62	96.549	
2,500.0	2,500.0	2,517.4	2,516.6	6.7	4.3	-119.96	-511.8	-887.9	1,024.9	1,014.2	10.66	96.130	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 100- VES GyroFlex, 7591-MWD		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 3.0 usft	
Measured Reference	Vertical	Measured	Vertical	Reference	Major Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
2,525.8	2,525.8	2,541.7	2,540.9	6.7	4.3	-119.97	-512.0	-887.8	1,024.8	1,014.1	10.70	95.815	CC	
2,565.0	2,565.0	2,578.5	2,577.8	6.8	4.3	-120.00	-512.4	-887.6	1,024.9	1,014.1	10.75	95.343	ES	
2,600.0	2,600.0	2,611.7	2,611.0	6.8	4.3	-120.01	-512.7	-887.5	1,025.0	1,014.2	10.79	94.968		
2,660.0	2,660.0	2,669.5	2,668.7	6.9	4.3	-120.04	-513.3	-887.6	1,025.3	1,014.5	10.85	94.474		
2,700.0	2,700.0	2,708.3	2,707.6	6.9	4.3	-120.05	-513.6	-887.7	1,025.6	1,014.7	10.89	94.158		
2,755.0	2,755.0	2,763.5	2,762.8	7.0	4.3	-120.07	-514.1	-887.9	1,026.0	1,015.0	10.94	93.793		
2,800.0	2,800.0	2,808.6	2,807.8	7.0	4.3	-120.09	-514.5	-888.0	1,026.3	1,015.3	10.98	93.487		
2,850.0	2,850.0	2,858.2	2,857.4	7.1	4.3	-120.10	-514.9	-888.2	1,026.7	1,015.6	11.02	93.159		
2,900.0	2,900.0	2,907.6	2,906.9	7.2	4.3	-120.11	-515.3	-888.4	1,027.1	1,016.0	11.06	92.823		
2,945.0	2,945.0	2,951.8	2,951.0	7.2	4.3	-120.12	-515.6	-888.6	1,027.4	1,016.3	11.10	92.549		
3,000.0	3,000.0	3,005.8	3,005.0	7.3	4.3	-120.13	-516.0	-889.0	1,027.9	1,016.8	11.15	92.209		
3,040.0	3,040.0	3,045.2	3,044.4	7.3	4.3	-120.14	-516.3	-889.3	1,028.3	1,017.2	11.18	92.008		
3,100.0	3,100.0	3,104.6	3,103.9	7.4	4.3	-120.15	-516.8	-889.7	1,029.0	1,017.8	11.24	91.582		
3,135.0	3,135.0	3,141.3	3,140.5	7.4	4.2	-120.15	-517.0	-890.0	1,029.3	1,018.1	11.27	91.345		
3,200.0	3,200.0	3,208.6	3,207.8	7.5	4.2	-120.15	-517.3	-890.5	1,029.9	1,018.5	11.33	90.927		
3,230.0	3,230.0	3,237.5	3,236.7	7.5	4.2	-120.15	-517.3	-890.7	1,030.1	1,018.7	11.35	90.718		
3,300.0	3,300.0	3,305.3	3,304.5	7.6	4.2	-120.15	-517.7	-891.3	1,030.7	1,019.3	11.42	90.244		
3,325.0	3,325.0	3,331.8	3,331.0	7.6	4.2	-120.15	-517.8	-891.5	1,031.0	1,019.5	11.45	90.062		
3,400.0	3,400.0	3,410.6	3,409.8	7.7	4.2	-120.14	-517.9	-892.0	1,031.5	1,020.0	11.53	89.488		
3,420.0	3,420.0	3,430.6	3,429.8	7.7	4.2	-120.14	-517.9	-892.1	1,031.6	1,020.0	11.55	89.314		
3,500.0	3,500.0	3,510.4	3,509.6	7.8	4.2	-120.11	-517.7	-892.7	1,032.0	1,020.4	11.65	88.621		
3,515.0	3,515.0	3,525.0	3,524.2	7.8	4.2	-120.10	-517.7	-892.8	1,032.1	1,020.4	11.66	88.486		
3,600.0	3,600.0	3,608.2	3,607.4	7.9	4.2	-120.07	-517.3	-893.7	1,032.7	1,020.9	11.77	87.740		
3,610.0	3,610.0	3,618.5	3,617.7	7.9	4.2	-120.06	-517.3	-893.8	1,032.7	1,020.9	11.78	87.649		
3,700.0	3,700.0	3,710.8	3,710.0	8.0	4.2	-120.02	-517.0	-894.6	1,033.3	1,021.4	11.90	86.858		
3,705.0	3,705.0	3,715.8	3,715.0	8.0	4.2	-120.02	-517.0	-894.7	1,033.3	1,021.4	11.90	86.814		
3,800.0	3,800.0	3,811.4	3,810.6	8.1	4.2	-119.96	-516.3	-895.6	1,033.7	1,021.7	12.03	85.916		
3,895.0	3,895.0	3,909.4	3,908.6	8.2	4.2	-119.88	-515.1	-896.5	1,034.0	1,021.8	12.17	84.952		
3,900.0	3,900.0	3,914.2	3,913.4	8.2	4.2	-119.88	-515.1	-896.6	1,034.0	1,021.8	12.18	84.902		
3,990.0	3,990.0	4,000.0	3,999.2	8.3	4.2	-119.81	-514.2	-897.4	1,034.3	1,022.0	12.31	84.044		
4,000.0	4,000.0	4,010.6	4,009.8	8.3	4.2	-119.80	-514.1	-897.5	1,034.4	1,022.1	12.32	83.948		
4,085.0	4,085.0	4,100.3	4,099.5	8.4	4.3	-119.75	-513.4	-898.2	1,034.6	1,022.2	12.45	83.126		
4,100.0	4,100.0	4,114.5	4,113.7	8.4	4.3	-119.75	-513.3	-898.3	1,034.6	1,022.2	12.47	82.994		
4,180.0	4,180.0	4,190.4	4,189.6	8.5	4.3	-119.73	-513.2	-898.7	1,034.9	1,022.3	12.57	82.310		
4,200.0	4,200.0	4,209.5	4,208.7	8.5	4.3	-119.73	-513.3	-898.8	1,035.0	1,022.4	12.60	82.151		
4,275.0	4,275.0	4,282.1	4,281.3	8.6	4.3	-119.74	-513.7	-899.1	1,035.6	1,022.9	12.69	81.596		
4,300.0	4,300.0	4,306.4	4,305.6	8.6	4.3	-119.75	-513.9	-899.3	1,035.8	1,023.1	12.72	81.412		
4,370.0	4,370.0	4,375.9	4,375.1	8.7	4.3	-119.76	-514.4	-899.7	1,036.5	1,023.6	12.81	80.892		
4,400.0	4,400.0	4,405.4	4,404.6	8.7	4.3	-119.76	-514.7	-899.9	1,036.8	1,023.9	12.85	80.668		
4,465.0	4,465.0	4,466.5	4,465.7	8.8	4.3	-119.78	-515.2	-900.5	1,037.5	1,024.6	12.94	80.197		
4,500.0	4,500.0	4,500.0	4,499.1	8.8	4.4	-119.78	-515.6	-900.8	1,038.1	1,025.1	12.98	79.949		
4,560.0	4,560.0	4,560.3	4,559.5	8.9	4.4	-119.80	-516.3	-901.5	1,039.0	1,025.9	13.07	79.519		
4,600.0	4,600.0	4,601.0	4,600.2	8.9	4.4	-119.81	-516.8	-901.9	1,039.6	1,026.5	13.12	79.221		
4,655.0	4,655.0	4,660.7	4,659.9	9.0	4.4	-119.84	-517.6	-902.3	1,040.2	1,027.0	13.21	78.773		
4,700.0	4,700.0	4,708.3	4,707.4	9.0	4.4	-119.88	-518.4	-902.3	1,040.6	1,027.3	13.27	78.414		
4,750.0	4,750.0	4,755.2	4,754.3	9.1	4.5	-119.92	-519.2	-902.3	1,041.1	1,027.7	13.34	78.016		
4,800.0	4,800.0	4,800.0	4,799.1	9.1	4.5	-119.96	-520.1	-902.3	1,041.6	1,028.2	13.42	77.639		
4,845.0	4,845.0	4,845.1	4,844.2	9.2	4.5	-120.01	-521.2	-902.5	1,042.3	1,028.8	13.48	77.299		
4,900.0	4,900.0	4,897.5	4,896.6	9.2	4.6	-120.06	-522.4	-902.8	1,043.2	1,029.6	13.57	76.902		
4,940.0	4,940.0	4,936.0	4,935.0	9.3	4.6	-120.09	-523.4	-903.1	1,043.9	1,030.3	13.63	76.618		
5,000.0	5,000.0	4,993.7	4,992.7	9.3	4.6	-120.14	-524.7	-903.6	1,045.2	1,031.4	13.72	76.203		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7591-MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,035.0	5,035.0	5,026.3	5,025.4	9.4	4.6	-120.16	-525.4	-904.1	1,045.9	1,032.2	13.77	75.967		
5,100.0	5,100.0	5,086.6	5,085.6	9.4	4.7	-120.20	-526.8	-905.1	1,047.6	1,033.8	13.87	75.546		
5,130.0	5,130.0	5,116.1	5,115.1	9.5	4.7	-120.22	-527.5	-905.6	1,048.5	1,034.6	13.91	75.354		
5,200.0	5,200.0	5,188.6	5,187.6	9.5	4.7	-120.26	-529.2	-906.9	1,050.4	1,036.4	14.03	74.892		
5,225.0	5,225.0	5,213.4	5,212.4	9.6	4.8	-120.28	-529.8	-907.4	1,051.1	1,037.0	14.07	74.726		
5,300.0	5,300.0	5,285.4	5,284.3	9.6	4.8	-120.33	-531.5	-908.6	1,053.1	1,039.0	14.19	74.239		
5,320.0	5,320.0	5,304.8	5,303.7	9.7	4.8	-120.34	-532.0	-909.0	1,053.7	1,039.5	14.22	74.113		
5,400.0	5,400.0	5,385.4	5,384.3	9.7	4.9	-120.40	-534.2	-910.5	1,056.1	1,041.7	14.35	73.594		
5,415.0	5,415.0	5,400.0	5,398.9	9.8	4.9	-120.42	-534.7	-910.7	1,056.5	1,042.2	14.37	73.499		
5,500.0	5,500.0	5,483.3	5,482.1	9.8	4.9	-120.49	-537.1	-912.2	1,059.1	1,044.6	14.52	72.959		
5,510.0	5,510.0	5,493.0	5,491.8	9.8	5.0	-120.49	-537.3	-912.4	1,059.4	1,044.9	14.53	72.895		
5,600.0	5,600.0	5,587.3	5,586.0	9.9	5.0	-120.57	-540.0	-914.1	1,062.1	1,047.4	14.69	72.306		
5,605.0	5,605.0	5,592.5	5,591.3	9.9	5.0	-120.58	-540.1	-914.2	1,062.2	1,047.5	14.70	72.272		
5,700.0	5,700.0	5,690.5	5,689.2	10.0	5.1	-120.66	-542.7	-915.6	1,064.6	1,049.8	14.86	71.631		
5,795.0	5,795.0	5,785.2	5,783.8	10.1	5.2	-120.75	-545.4	-916.7	1,067.0	1,051.9	15.03	70.997		
5,800.0	5,800.0	5,790.1	5,788.8	10.1	5.2	-120.76	-545.5	-916.7	1,067.1	1,052.0	15.04	70.964		
5,890.0	5,890.0	5,883.1	5,881.7	10.2	5.3	-120.86	-548.4	-917.6	1,069.2	1,054.0	15.20	70.361		
5,900.0	5,900.0	5,893.5	5,892.1	10.2	5.3	-120.88	-548.7	-917.6	1,069.4	1,054.2	15.21	70.293		
5,985.0	5,985.0	5,977.8	5,976.4	10.3	5.4	-120.96	-551.0	-918.4	1,071.2	1,055.9	15.36	69.725		
6,000.0	6,000.0	5,992.7	5,991.2	10.3	5.4	-120.98	-551.4	-918.5	1,071.6	1,056.2	15.39	69.626		
6,080.0	6,080.0	6,074.2	6,072.7	10.4	5.5	-121.05	-553.5	-919.3	1,073.3	1,057.8	15.53	69.092		
6,100.0	6,100.0	6,094.6	6,093.2	10.4	5.5	-121.07	-554.1	-919.5	1,073.7	1,058.2	15.57	68.957		
6,175.0	6,175.0	6,166.6	6,165.1	10.5	5.6	-121.13	-555.8	-920.2	1,075.4	1,059.6	15.71	68.466		
6,200.0	6,200.0	6,190.4	6,188.9	10.5	5.6	-121.15	-556.4	-920.6	1,075.9	1,060.2	15.75	68.307		
6,270.0	6,270.0	6,257.2	6,255.7	10.6	5.7	-121.17	-557.6	-921.8	1,077.8	1,061.9	15.88	67.863		
6,300.0	6,300.0	6,285.9	6,284.3	10.6	5.7	-121.17	-558.0	-922.5	1,078.6	1,062.7	15.94	67.677		
6,365.0	6,365.0	6,352.7	6,351.1	10.7	5.7	-121.15	-558.8	-924.3	1,080.4	1,064.4	16.06	67.265		
6,400.0	6,400.0	6,389.4	6,387.8	10.7	5.8	-121.15	-559.2	-925.1	1,081.3	1,065.2	16.13	67.036		
6,460.0	6,460.0	6,456.8	6,455.2	10.8	5.8	-121.17	-560.2	-926.2	1,082.7	1,066.4	16.25	66.629		
6,500.0	6,500.0	6,502.4	6,500.8	10.8	5.9	-121.19	-561.0	-926.6	1,083.3	1,067.0	16.33	66.338		
6,555.0	6,555.0	6,562.3	6,560.7	10.9	6.0	-121.25	-562.2	-926.6	1,083.9	1,067.5	16.43	65.973		
6,600.0	6,600.0	6,612.4	6,610.8	10.9	6.0	-121.31	-563.5	-926.3	1,084.2	1,067.7	16.51	65.669		
6,650.0	6,650.0	6,671.8	6,670.1	10.9	6.1	-121.40	-564.8	-925.4	1,084.2	1,067.6	16.59	65.335		
6,700.0	6,700.0	6,726.3	6,724.6	11.0	6.1	-121.47	-565.8	-924.4	1,083.8	1,067.1	16.67	65.006		
6,745.0	6,745.0	6,771.4	6,769.7	11.0	6.1	-121.53	-566.6	-923.4	1,083.4	1,066.7	16.74	64.734		
6,800.0	6,800.0	6,825.4	6,823.6	11.1	6.2	-121.62	-567.7	-922.1	1,082.9	1,066.1	16.81	64.406		
6,840.0	6,840.0	6,863.7	6,862.0	11.1	6.2	-121.67	-568.4	-921.4	1,082.6	1,065.8	16.87	64.175		
6,900.0	6,900.0	6,918.7	6,917.0	11.2	6.3	-121.74	-569.3	-920.5	1,082.4	1,065.4	16.96	63.834		
6,912.2	6,912.2	6,929.0	6,927.3	11.2	6.3	-121.75	-569.5	-920.4	1,082.3	1,065.4	16.97	63.767		
6,935.0	6,935.0	6,948.3	6,946.6	11.2	6.3	-121.77	-569.9	-920.2	1,082.4	1,065.4	17.01	63.642		
7,000.0	7,000.0	7,004.5	7,002.7	11.3	6.4	-121.83	-571.0	-920.0	1,082.9	1,065.8	17.11	63.303		
7,030.0	7,030.0	7,038.4	7,036.6	11.3	6.4	-121.86	-571.8	-919.9	1,083.2	1,066.0	17.16	63.125		
7,100.0	7,100.0	7,117.1	7,115.3	11.4	6.5	-121.96	-573.5	-919.2	1,083.4	1,066.2	17.28	62.693		
7,125.0	7,125.0	7,145.0	7,143.2	11.4	6.5	-122.00	-574.1	-918.8	1,083.4	1,066.1	17.32	62.544		
7,200.0	7,200.0	7,226.4	7,224.5	11.5	6.6	-122.14	-576.1	-916.9	1,082.9	1,065.5	17.44	62.087		
7,220.0	7,220.0	7,247.0	7,245.1	11.5	6.6	-122.18	-576.6	-916.4	1,082.7	1,065.3	17.47	61.971		
7,300.0	7,300.0	7,326.8	7,324.9	11.6	6.7	-122.33	-578.6	-914.2	1,082.0	1,064.4	17.59	61.513		
7,315.0	7,315.0	7,340.9	7,338.9	11.6	6.7	-122.36	-579.0	-913.8	1,081.8	1,064.2	17.61	61.432		
7,400.0	7,400.0	7,423.0	7,421.0	11.6	6.8	-122.52	-581.3	-911.8	1,081.3	1,063.6	17.73	60.978		
7,410.0	7,410.0	7,433.4	7,431.5	11.7	6.8	-122.54	-581.6	-911.5	1,081.3	1,063.5	17.75	60.923		
7,500.0	7,500.0	7,526.9	7,524.8	11.7	6.9	-122.74	-584.3	-908.9	1,080.6	1,062.7	17.89	60.410		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		100- VES GyroFlex, 7591-MWD <th colspan="7">Rule Assigned:</th> <th>Offset Well Error:</th> <td>3.0 usft</td>					Rule Assigned:							Offset Well Error:	3.0 usft
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning		
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)			Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor			
7,505.0	7,505.0	7,531.7	7,529.6	11.7	6.9	-122.75	-584.5	-908.8	1,080.5	1,062.6	17.89	60.385			
7,573.7	7,573.7	7,591.0	7,588.9	11.8	6.9	-122.89	-586.5	-906.9	1,080.0	1,062.0	17.98	60.074			
7,600.0	7,600.0	7,603.5	7,601.4	11.8	6.9	-122.92	-587.0	-906.6	1,080.1	1,062.1	18.03	59.920			
7,695.0	7,695.0	7,642.4	7,640.1	11.9	7.0	-123.06	-590.1	-906.5	1,083.9	1,065.7	18.24	59.427			
7,700.0	7,700.0	7,644.7	7,642.4	11.9	7.0	-123.08	-590.4	-906.5	1,084.2	1,066.0	18.25	59.394			
7,790.0	7,790.0	7,686.0	7,683.2	12.0	7.1	-123.33	-596.4	-907.0	1,092.3	1,073.8	18.53	58.957			
7,800.0	7,800.0	7,691.8	7,689.0	12.0	7.1	-123.37	-597.4	-907.1	1,093.5	1,074.9	18.56	58.926			
7,885.0	7,885.0	7,750.0	7,746.4	12.1	7.1	-123.69	-606.3	-909.7	1,104.0	1,085.2	18.79	58.751			
7,900.0	7,900.0	7,758.1	7,754.4	12.1	7.2	-123.73	-607.7	-910.1	1,106.1	1,087.3	18.84	58.718			
7,980.0	7,980.0	7,795.2	7,790.6	12.2	7.2	-124.01	-615.4	-912.2	1,119.2	1,100.1	19.12	58.524			
8,000.0	8,000.0	7,804.1	7,799.2	12.2	7.3	-124.09	-617.6	-912.7	1,123.0	1,103.8	19.21	58.468			
8,075.0	8,075.0	7,834.4	7,828.2	12.3	7.4	-124.39	-626.0	-914.6	1,138.8	1,119.3	19.53	58.309			
8,100.0	8,100.0	7,844.0	7,837.4	12.3	7.4	-124.50	-629.0	-915.2	1,144.7	1,125.0	19.64	58.274			
8,170.0	8,170.0	7,876.0	7,867.3	12.4	7.5	-124.90	-640.1	-917.5	1,163.0	1,143.0	19.98	58.216			
8,200.0	8,200.0	7,876.0	7,867.3	12.4	7.5	-124.90	-640.1	-917.5	1,171.5	1,151.4	20.14	58.165 SF			
8,265.0	8,265.0	7,908.0	7,896.5	12.5	7.7	-125.37	-653.0	-919.9	1,191.5	1,171.0	20.48	58.185			
8,300.0	8,300.0	7,922.8	7,909.7	12.5	7.7	-125.60	-659.4	-921.0	1,203.1	1,182.4	20.65	58.259			
8,360.0	8,360.0	7,950.1	7,934.0	12.5	7.8	-126.04	-671.7	-923.2	1,224.0	1,203.0	20.94	58.442			
8,400.0	8,400.0	7,972.0	7,953.1	12.6	7.8	-126.41	-682.3	-925.0	1,238.8	1,217.6	21.13	58.631			
8,455.0	8,455.0	7,972.0	7,953.1	12.6	7.8	-126.41	-682.3	-925.0	1,260.3	1,238.8	21.47	58.693			
8,500.0	8,500.0	7,990.7	7,969.0	12.7	7.9	-126.75	-691.9	-926.6	1,278.9	1,257.2	21.74	58.818			
8,550.0	8,550.0	8,003.0	7,979.2	12.7	7.9	-126.99	-698.8	-927.7	1,300.9	1,278.8	22.05	58.985			

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7056-MWD												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	
0.0	0.0	0.0	0.0	4.2	3.0	140.41	-632.5	523.1	821.0				
95.0	95.0	68.5	68.5	4.3	3.0	140.40	-632.7	523.4	821.1	813.9	7.26	113.103	
100.0	100.0	73.0	72.9	4.3	3.0	140.40	-632.7	523.5	821.2	813.9	7.26	113.069	
190.0	190.0	158.8	158.8	4.3	3.0	140.36	-633.2	524.6	822.4	815.1	7.34	112.000	
200.0	200.0	168.7	168.6	4.4	3.0	140.35	-633.3	524.8	822.6	815.2	7.36	111.826	
285.0	285.0	255.3	255.3	4.4	3.0	140.32	-634.0	526.0	823.8	816.4	7.44	110.741	
300.0	300.0	271.0	270.9	4.4	3.0	140.31	-634.0	526.2	824.0	816.6	7.46	110.512	
380.0	380.0	351.6	351.6	4.5	3.0	140.26	-634.2	527.4	824.9	817.4	7.54	109.417	
400.0	400.0	371.4	371.4	4.5	3.0	140.24	-634.3	527.7	825.1	817.6	7.56	109.120	
475.0	475.0	447.8	447.8	4.6	3.1	140.19	-634.5	528.8	826.0	818.4	7.64	108.078	
500.0	500.0	473.7	473.7	4.6	3.1	140.17	-634.5	529.2	826.2	818.6	7.67	107.703	
570.0	570.0	545.2	545.1	4.7	3.1	140.11	-634.4	530.2	826.8	819.1	7.75	106.717	
600.0	600.0	575.5	575.5	4.7	3.1	140.08	-634.2	530.7	827.0	819.2	7.78	106.281	
665.0	665.0	641.1	641.0	4.8	3.1	140.01	-634.0	531.7	827.4	819.6	7.85	105.380	
700.0	700.0	676.3	676.2	4.8	3.1	139.98	-633.8	532.2	827.6	819.7	7.89	104.881	
760.0	760.0	738.6	738.5	4.9	3.2	139.92	-633.5	533.1	827.9	820.0	7.95	104.079	
800.0	800.0	781.0	780.9	4.9	3.2	139.88	-633.2	533.6	828.0	820.0	8.00	103.524	
855.0	855.0	837.3	837.2	5.0	3.2	139.83	-632.6	534.1	828.0	819.9	8.05	102.846	
900.0	900.0	882.6	882.5	5.0	3.2	139.79	-632.2	534.5	827.9	819.8	8.10	102.216	
950.0	950.0	934.9	934.8	5.1	3.2	139.74	-631.7	534.9	827.8	819.6	8.15	101.619	
1,000.0	1,000.0	988.1	988.0	5.1	3.3	139.71	-631.2	535.0	827.4	819.2	8.19	101.036	
1,045.0	1,045.0	1,033.9	1,033.8	5.1	3.3	139.70	-630.7	534.9	827.0	818.8	8.23	100.524	
1,100.0	1,100.0	1,089.0	1,088.9	5.2	3.3	139.68	-630.1	534.8	826.5	818.2	8.27	99.901	
1,140.0	1,140.0	1,131.9	1,131.8	5.2	3.3	139.66	-629.6	534.7	826.1	817.8	8.31	99.442	
1,200.0	1,200.0	1,198.0	1,197.9	5.3	3.3	139.66	-628.7	534.0	825.1	816.7	8.36	98.698	
1,235.0	1,235.0	1,234.0	1,233.9	5.3	3.3	139.66	-628.2	533.4	824.3	815.9	8.39	98.229	
1,300.0	1,300.0	1,300.7	1,300.5	5.4	3.3	139.71	-627.5	532.0	822.9	814.4	8.45	97.336	
1,330.0	1,330.0	1,329.4	1,329.2	5.4	3.3	139.74	-627.3	531.2	822.2	813.7	8.48	96.905	
1,400.0	1,400.0	1,396.4	1,396.2	5.5	3.3	139.83	-627.1	529.3	820.8	812.2	8.56	95.920	
1,425.0	1,425.0	1,420.6	1,420.4	5.5	3.3	139.87	-627.1	528.6	820.3	811.7	8.58	95.570	
1,500.0	1,500.0	1,493.3	1,493.1	5.6	3.3	140.00	-627.4	526.5	819.1	810.5	8.66	94.535	
1,520.0	1,520.0	1,513.1	1,512.9	5.6	3.3	140.04	-627.5	525.9	818.8	810.1	8.69	94.262	
1,600.0	1,600.0	1,593.0	1,592.7	5.7	3.3	140.19	-628.0	523.5	817.7	808.9	8.78	93.169	
1,615.0	1,615.0	1,608.9	1,608.6	5.7	3.3	140.22	-628.1	523.0	817.5	808.7	8.79	92.963	
1,700.0	1,700.0	1,703.8	1,703.5	5.8	3.3	140.41	-628.3	519.6	815.7	806.8	8.89	91.719	
1,710.0	1,710.0	1,712.8	1,712.4	5.8	3.3	140.43	-628.3	519.2	815.4	806.5	8.91	91.565	
1,800.0	1,800.0	1,800.0	1,799.6	5.9	3.3	140.59	-628.2	516.1	813.3	804.3	9.01	90.235	
1,805.0	1,805.0	1,800.0	1,799.6	5.9	3.3	140.59	-628.2	516.1	813.2	804.2	9.02	90.173	
1,900.0	1,900.0	1,891.4	1,890.9	6.0	3.3	140.73	-628.2	513.7	811.6	802.5	9.13	88.852	
1,995.0	1,995.0	1,989.1	1,988.6	6.1	3.3	140.83	-628.2	511.8	810.4	801.1	9.26	87.556	
2,000.0	2,000.0	1,994.3	1,993.8	6.1	3.3	140.83	-628.1	511.7	810.3	801.0	9.26	87.484	
2,090.0	2,090.0	2,082.7	2,082.2	6.2	3.4	140.92	-627.9	510.0	808.9	799.5	9.43	85.791	
2,100.0	2,100.0	2,092.5	2,092.0	6.2	3.4	140.92	-627.8	509.8	808.8	799.4	9.45	85.603	
2,185.0	2,185.0	2,178.4	2,177.9	6.3	3.4	141.00	-627.6	508.2	807.6	798.0	9.59	84.198	
2,200.0	2,200.0	2,193.6	2,193.1	6.4	3.4	141.02	-627.5	507.9	807.4	797.8	9.62	83.949	
2,280.0	2,280.0	2,270.6	2,270.1	6.5	3.4	141.07	-627.2	506.7	806.3	796.6	9.75	82.663	
2,300.0	2,300.0	2,289.7	2,289.2	6.5	3.5	141.08	-627.2	506.4	806.1	796.3	9.79	82.347	
2,375.0	2,375.0	2,359.9	2,359.4	6.6	3.5	141.11	-627.0	505.8	805.6	795.7	9.91	81.278	
2,400.0	2,400.0	2,383.1	2,382.6	6.6	3.5	141.12	-627.1	505.6	805.5	795.6	9.95	80.938	
2,455.5	2,455.5	2,437.1	2,436.6	6.7	3.5	141.15	-627.3	505.3	805.5	795.5	10.04	80.248	
2,470.0	2,470.0	2,451.5	2,451.0	6.7	3.5	141.16	-627.4	505.2	805.5	795.4	10.06	80.073	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP											Offset Site Error:	0.0 usft	
Survey Program: 100- VES GyroFlex, 7056-MWD											Offset Well Error:	3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,500.0	2,481.3	2,480.8	6.7	3.5	141.18	-627.6	505.0	805.5	795.4	10.11	79.713	
2,565.0	2,565.0	2,545.3	2,544.8	6.8	3.6	141.22	-628.0	504.5	805.6	795.4	10.20	78.976	
2,600.0	2,600.0	2,579.7	2,579.2	6.8	3.6	141.25	-628.3	504.3	805.6	795.4	10.25	78.588	
2,660.0	2,660.0	2,639.9	2,639.4	6.9	3.6	141.29	-628.8	503.9	805.8	795.4	10.34	77.940	
2,700.0	2,700.0	2,680.5	2,680.0	6.9	3.6	141.33	-629.2	503.5	805.9	795.5	10.40	77.505	
2,755.0	2,755.0	2,735.9	2,735.3	7.0	3.7	141.39	-629.8	502.9	805.9	795.4	10.48	76.910	
2,800.0	2,800.0	2,781.0	2,780.5	7.0	3.7	141.44	-630.2	502.4	806.0	795.4	10.55	76.420	
2,850.0	2,850.0	2,831.2	2,830.6	7.1	3.7	141.49	-630.7	501.9	806.0	795.4	10.62	75.888	
2,900.0	2,900.0	2,881.2	2,880.7	7.2	3.8	141.53	-631.1	501.4	806.0	795.3	10.70	75.356	
2,945.0	2,945.0	2,925.6	2,925.0	7.2	3.8	141.58	-631.5	500.9	806.0	795.3	10.76	74.901	
3,000.0	3,000.0	2,979.1	2,978.6	7.3	3.8	141.63	-632.1	500.4	806.2	795.3	10.84	74.354	
3,040.0	3,040.0	3,019.8	3,019.2	7.3	3.8	141.68	-632.6	500.0	806.3	795.4	10.90	73.951	
3,100.0	3,100.0	3,083.8	3,083.3	7.4	3.9	141.73	-633.0	499.4	806.3	795.3	11.00	73.305	
3,135.0	3,135.0	3,118.6	3,118.0	7.4	3.9	141.76	-633.2	499.0	806.2	795.1	11.05	72.955	
3,164.4	3,164.4	3,146.1	3,145.5	7.4	3.9	141.77	-633.3	498.8	806.1	795.0	11.09	72.664	
3,200.0	3,200.0	3,179.4	3,178.8	7.5	4.0	141.80	-633.5	498.6	806.2	795.0	11.15	72.327	
3,230.0	3,230.0	3,208.0	3,207.4	7.5	4.0	141.81	-633.8	498.5	806.3	795.1	11.19	72.058	
3,300.0	3,300.0	3,278.1	3,277.5	7.6	4.0	141.86	-634.4	498.2	806.6	795.3	11.29	71.465	
3,325.0	3,325.0	3,303.2	3,302.6	7.6	4.0	141.87	-634.6	498.1	806.7	795.4	11.32	71.261	
3,400.0	3,400.0	3,379.5	3,378.9	7.7	4.1	141.91	-635.1	497.9	807.0	795.6	11.43	70.618	
3,420.0	3,420.0	3,399.9	3,399.3	7.7	4.1	141.92	-635.3	497.8	807.1	795.6	11.46	70.450	
3,500.0	3,500.0	3,481.6	3,481.1	7.8	4.2	141.95	-635.6	497.5	807.1	795.6	11.58	69.725	
3,515.0	3,515.0	3,497.0	3,496.4	7.8	4.2	141.96	-635.7	497.4	807.1	795.5	11.60	69.590	
3,600.0	3,600.0	3,586.5	3,585.9	7.9	4.3	141.99	-635.7	496.9	806.9	795.1	11.74	68.743	
3,610.0	3,610.0	3,597.0	3,596.4	7.9	4.3	141.99	-635.7	496.8	806.8	795.1	11.75	68.642	
3,700.0	3,700.0	3,686.9	3,686.3	8.0	4.4	142.04	-635.6	496.0	806.2	794.3	11.91	67.710	
3,705.0	3,705.0	3,691.9	3,691.3	8.0	4.4	142.04	-635.6	495.9	806.2	794.3	11.92	67.659	
3,800.0	3,800.0	3,783.1	3,782.5	8.1	4.5	142.07	-635.5	495.3	805.8	793.7	12.07	66.740	
3,895.0	3,895.0	3,878.7	3,878.1	8.2	4.6	142.08	-635.5	495.1	805.6	793.4	12.23	65.848	
3,900.0	3,900.0	3,883.8	3,883.2	8.2	4.6	142.08	-635.5	495.1	805.6	793.4	12.24	65.801	
3,990.0	3,990.0	3,976.2	3,975.6	8.3	4.7	142.11	-635.5	494.6	805.2	792.8	12.40	64.924	
4,000.0	4,000.0	3,986.5	3,985.9	8.3	4.7	142.11	-635.4	494.5	805.2	792.8	12.42	64.826	
4,085.0	4,085.0	4,071.0	4,070.4	8.4	4.8	142.14	-635.3	493.9	804.7	792.1	12.57	64.007	
4,100.0	4,100.0	4,085.8	4,085.2	8.4	4.8	142.14	-635.3	493.8	804.6	792.0	12.60	63.864	
4,180.0	4,180.0	4,166.6	4,166.0	8.5	4.9	142.18	-635.2	493.1	804.2	791.4	12.74	63.111	
4,200.0	4,200.0	4,186.9	4,186.3	8.5	4.9	142.19	-635.2	493.0	804.1	791.3	12.78	62.923	
4,275.0	4,275.0	4,261.5	4,260.9	8.6	5.0	142.22	-635.1	492.3	803.6	790.7	12.91	62.234	
4,300.0	4,300.0	4,286.3	4,285.7	8.6	5.0	142.23	-635.1	492.0	803.4	790.5	12.96	62.009	
4,370.0	4,370.0	4,354.5	4,353.9	8.7	5.1	142.27	-635.2	491.4	803.1	790.0	13.07	61.423	
4,400.0	4,400.0	4,383.6	4,383.0	8.7	5.1	142.29	-635.3	491.2	803.0	789.9	13.12	61.181	
4,465.0	4,465.0	4,448.6	4,448.0	8.8	5.2	142.33	-635.5	490.7	802.9	789.6	13.23	60.676	
4,500.0	4,500.0	4,484.0	4,483.4	8.8	5.3	142.35	-635.6	490.4	802.8	789.5	13.29	60.407	
4,560.0	4,560.0	4,543.4	4,542.8	8.9	5.3	142.38	-635.7	489.9	802.6	789.2	13.39	59.955	
4,600.0	4,600.0	4,582.7	4,582.1	8.9	5.4	142.40	-635.8	489.7	802.6	789.1	13.45	59.661	
4,655.0	4,655.0	4,637.3	4,636.7	9.0	5.4	142.42	-636.0	489.5	802.5	789.0	13.54	59.273	
4,700.0	4,700.0	4,682.2	4,681.6	9.0	5.5	142.43	-636.1	489.3	802.5	788.9	13.61	58.962	
4,739.8	4,739.8	4,721.5	4,720.9	9.1	5.5	142.45	-636.2	489.1	802.5	788.8	13.67	58.700 CC	
4,750.0	4,750.0	4,731.5	4,730.9	9.1	5.5	142.45	-636.2	489.0	802.5	788.8	13.69	58.636	
4,800.0	4,800.0	4,780.6	4,780.0	9.1	5.6	142.48	-636.5	488.8	802.5	788.7	13.76	58.324 ES	
4,845.0	4,845.0	4,824.9	4,824.3	9.2	5.7	142.51	-636.8	488.5	802.6	788.8	13.82	58.058	
4,900.0	4,900.0	4,879.1	4,878.5	9.2	5.7	142.55	-637.3	488.1	802.7	788.8	13.90	57.747	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7056-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,940.0	4,918.9	4,918.2	9.3	5.8	142.59	-637.7	487.8	802.9	788.9	13.96	57.526	
5,000.0	5,000.0	4,979.0	4,978.4	9.3	5.8	142.65	-638.4	487.2	803.1	789.0	14.04	57.196	
5,035.0	5,035.0	5,014.3	5,013.7	9.4	5.9	142.69	-638.8	486.9	803.2	789.1	14.09	57.002	
5,100.0	5,100.0	5,080.5	5,079.8	9.4	5.9	142.77	-639.7	486.0	803.4	789.2	14.19	56.633	
5,130.0	5,130.0	5,110.3	5,109.6	9.5	6.0	142.82	-640.1	485.5	803.4	789.2	14.23	56.466	
5,200.0	5,200.0	5,176.7	5,176.0	9.5	6.1	142.91	-641.1	484.6	803.7	789.4	14.32	56.103	
5,225.0	5,225.0	5,200.4	5,199.7	9.6	6.1	142.94	-641.5	484.4	803.9	789.5	14.36	55.981	
5,300.0	5,300.0	5,278.2	5,277.5	9.6	6.2	143.03	-642.6	483.7	804.3	789.9	14.46	55.608	
5,320.0	5,320.0	5,299.0	5,298.3	9.7	6.2	143.06	-642.9	483.4	804.4	789.9	14.49	55.507	
5,400.0	5,400.0	5,371.3	5,370.6	9.7	6.3	143.15	-644.2	482.8	805.1	790.5	14.60	55.148	
5,415.0	5,415.0	5,384.8	5,384.1	9.8	6.3	143.17	-644.4	482.7	805.3	790.6	14.62	55.088	
5,500.0	5,500.0	5,474.8	5,474.0	9.8	6.4	143.27	-646.3	482.3	806.4	791.7	14.73	54.744	
5,510.0	5,510.0	5,485.7	5,485.0	9.8	6.4	143.28	-646.4	482.2	806.5	791.7	14.74	54.700	
5,600.0	5,600.0	5,572.8	5,572.1	9.9	6.5	143.36	-647.7	481.7	807.2	792.4	14.86	54.311	
5,605.0	5,605.0	5,577.6	5,576.8	9.9	6.5	143.36	-647.8	481.7	807.3	792.4	14.87	54.291	
5,700.0	5,700.0	5,672.4	5,671.6	10.0	6.5	143.44	-649.3	481.6	808.5	793.5	14.99	53.926	
5,795.0	5,795.0	5,766.6	5,765.8	10.1	6.6	143.46	-650.4	482.0	809.6	794.5	15.11	53.568	
5,800.0	5,800.0	5,771.5	5,770.8	10.1	6.6	143.46	-650.5	482.0	809.7	794.5	15.12	53.550	
5,890.0	5,890.0	5,862.5	5,861.7	10.2	6.7	143.50	-651.7	482.2	810.8	795.6	15.24	53.205	
5,900.0	5,900.0	5,872.7	5,871.9	10.2	6.7	143.51	-651.9	482.2	810.9	795.7	15.25	53.165	
5,985.0	5,985.0	5,957.6	5,956.8	10.3	6.8	143.58	-653.3	481.9	811.8	796.5	15.37	52.819	
6,000.0	6,000.0	5,972.4	5,971.6	10.3	6.8	143.60	-653.5	481.9	812.0	796.6	15.39	52.758	
6,080.0	6,080.0	6,050.6	6,049.9	10.4	6.8	143.66	-654.9	481.7	813.0	797.5	15.50	52.440	
6,100.0	6,100.0	6,070.1	6,069.3	10.4	6.9	143.68	-655.2	481.6	813.3	797.8	15.53	52.363	
6,175.0	6,175.0	6,144.8	6,144.0	10.5	6.9	143.76	-656.8	481.4	814.4	798.8	15.64	52.077	
6,200.0	6,200.0	6,170.1	6,169.3	10.5	7.0	143.79	-657.4	481.3	814.8	799.1	15.68	51.980	
6,270.0	6,270.0	6,239.0	6,238.1	10.6	7.0	143.88	-658.9	480.9	815.8	800.1	15.78	51.710	
6,300.0	6,300.0	6,267.9	6,267.0	10.6	7.1	143.92	-659.7	480.7	816.3	800.5	15.82	51.598	
6,365.0	6,365.0	6,332.3	6,331.4	10.7	7.1	144.02	-661.5	480.2	817.5	801.6	15.92	51.360	
6,400.0	6,400.0	6,368.0	6,367.1	10.7	7.2	144.09	-662.6	479.7	818.1	802.2	15.97	51.231	
6,460.0	6,460.0	6,432.6	6,431.6	10.8	7.3	144.24	-664.6	478.6	819.1	803.0	16.06	50.998	
6,500.0	6,500.0	6,478.2	6,477.2	10.8	7.3	144.34	-665.8	477.6	819.4	803.3	16.12	50.819	
6,555.0	6,555.0	6,539.6	6,538.6	10.9	7.4	144.49	-667.0	476.0	819.4	803.2	16.21	50.542	
6,600.0	6,600.0	6,589.1	6,588.1	10.9	7.5	144.61	-667.8	474.3	819.2	802.9	16.29	50.297	
6,650.0	6,650.0	6,641.0	6,639.9	10.9	7.6	144.75	-668.5	472.5	818.7	802.3	16.37	50.021	
6,700.0	6,700.0	6,692.0	6,690.9	11.0	7.6	144.88	-669.1	470.6	818.1	801.6	16.45	49.746	
6,745.0	6,745.0	6,738.9	6,737.8	11.0	7.7	145.00	-669.6	468.9	817.5	801.0	16.52	49.491	
6,800.0	6,800.0	6,796.6	6,795.4	11.1	7.8	145.14	-670.0	466.7	816.6	800.0	16.61	49.170	
6,840.0	6,840.0	6,838.7	6,837.5	11.1	7.8	145.24	-670.1	465.1	815.9	799.2	16.67	48.929	
6,900.0	6,900.0	6,902.2	6,900.9	11.2	7.9	145.38	-670.1	462.6	814.5	797.8	16.78	48.556	
6,935.0	6,935.0	6,941.5	6,940.2	11.2	7.9	145.47	-670.0	461.0	813.6	796.8	16.84	48.314	
7,000.0	7,000.0	7,009.4	7,008.0	11.3	8.0	145.64	-669.5	457.7	811.4	794.5	16.94	47.892	
7,030.0	7,030.0	7,036.1	7,034.7	11.3	8.0	145.71	-669.4	456.4	810.5	793.5	16.98	47.722	
7,100.0	7,100.0	7,102.6	7,101.1	11.4	8.1	145.87	-669.2	453.6	808.7	791.6	17.09	47.328	
7,125.0	7,125.0	7,127.1	7,125.6	11.4	8.1	145.92	-669.1	452.6	808.1	790.9	17.12	47.186	
7,200.0	7,200.0	7,188.3	7,186.7	11.5	8.1	146.03	-669.0	450.7	806.7	789.4	17.24	46.787	
7,219.9	7,219.9	7,202.5	7,201.0	11.5	8.2	146.05	-669.1	450.5	806.6	789.3	17.27	46.696	
7,220.0	7,220.0	7,202.6	7,201.1	11.5	8.2	146.05	-669.1	450.5	806.6	789.3	17.27	46.695	
7,300.0	7,300.0	7,262.8	7,261.3	11.6	8.3	146.09	-670.1	450.5	807.7	790.3	17.41	46.396	
7,315.0	7,315.0	7,277.2	7,275.6	11.6	8.3	146.09	-670.4	450.6	808.1	790.6	17.43	46.355	
7,400.0	7,400.0	7,358.7	7,357.1	11.6	8.5	146.12	-672.5	451.5	810.4	792.9	17.57	46.133	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:		100- VES GyroFlex, 7056-MWD <th colspan="2">Rule Assigned:</th> <th colspan="2"></th> <th>Offset Well Error:</th> <td>3.0 usft</td>					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)	Major Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,410.0	7,410.0	7,368.4	7,366.9	11.7	8.6	146.13	-672.8	451.7	810.7	793.1	17.59	46.101	
7,500.0	7,500.0	7,455.8	7,454.1	11.7	8.6	146.17	-675.4	452.6	813.5	795.8	17.75	45.822	
7,505.0	7,505.0	7,460.5	7,458.8	11.7	8.6	146.18	-675.6	452.7	813.7	795.9	17.76	45.805	
7,600.0	7,600.0	7,535.0	7,533.3	11.8	8.7	146.24	-678.4	453.4	817.3	799.4	17.97	45.487	
7,695.0	7,695.0	7,582.7	7,580.9	11.9	8.8	146.35	-682.2	454.0	825.0	806.7	18.30	45.071	
7,700.0	7,700.0	7,584.6	7,582.8	11.9	8.8	146.36	-682.5	454.1	825.6	807.3	18.33	45.048	
7,790.0	7,790.0	7,617.1	7,614.7	12.0	8.9	146.56	-688.1	454.4	839.3	820.5	18.79	44.678	
7,800.0	7,800.0	7,620.5	7,618.1	12.0	8.9	146.59	-688.9	454.5	841.2	822.4	18.84	44.645	
7,885.0	7,885.0	7,648.0	7,644.7	12.1	8.9	146.81	-695.8	455.1	860.4	841.0	19.35	44.459 SF	
7,900.0	7,900.0	7,662.0	7,658.0	12.1	9.0	146.94	-700.0	455.7	864.5	845.1	19.44	44.475	
7,980.0	7,980.0	7,680.8	7,675.7	12.2	9.0	147.11	-706.1	456.6	888.0	868.1	19.95	44.513	
8,000.0	8,000.0	7,694.0	7,688.0	12.2	9.1	147.24	-710.8	457.4	894.6	874.5	20.06	44.595	
8,075.0	8,075.0	7,725.0	7,716.5	12.3	9.1	147.58	-722.9	459.2	921.3	900.8	20.51	44.926	
8,100.0	8,100.0	7,725.0	7,716.5	12.3	9.1	147.58	-722.9	459.2	930.8	910.1	20.69	44.979	
8,170.0	8,170.0	7,757.0	7,745.2	12.4	9.2	147.98	-737.0	460.9	959.4	938.3	21.10	45.468	
8,200.0	8,200.0	7,766.2	7,753.3	12.4	9.2	148.10	-741.3	461.4	972.4	951.1	21.29	45.674	
8,265.0	8,265.0	7,789.0	7,773.2	12.5	9.3	148.41	-752.5	462.7	1,001.9	980.3	21.69	46.202	
8,300.0	8,300.0	7,806.1	7,787.8	12.5	9.3	148.66	-761.2	463.6	1,018.6	996.7	21.88	46.563	
8,360.0	8,360.0	7,830.2	7,808.2	12.5	9.4	149.01	-774.0	464.8	1,048.4	1,026.2	22.22	47.185	
8,400.0	8,400.0	7,852.0	7,826.3	12.6	9.5	149.36	-786.2	465.8	1,069.1	1,046.6	22.42	47.685	
8,455.0	8,455.0	7,866.9	7,838.4	12.6	9.5	149.60	-794.8	466.3	1,098.4	1,075.6	22.76	48.257	
8,500.0	8,500.0	7,884.0	7,852.1	12.7	9.6	149.89	-805.1	466.8	1,123.3	1,100.2	23.02	48.803	
8,550.0	8,550.0	7,884.0	7,852.1	12.7	9.6	149.89	-805.1	466.8	1,152.0	1,128.6	23.37	49.286	
8,600.0	8,600.0	7,916.0	7,876.8	12.8	9.7	150.44	-825.3	468.1	1,181.6	1,158.0	23.62	50.036	
8,645.0	8,645.0	7,916.0	7,876.8	12.8	9.7	150.44	-825.3	468.1	1,209.0	1,185.1	23.93	50.529	
8,700.0	8,700.0	7,929.6	7,887.0	12.9	9.8	150.67	-834.4	468.9	1,243.6	1,219.4	24.25	51.276	
8,740.0	8,740.0	7,947.0	7,899.7	12.9	9.8	150.95	-846.2	470.0	1,269.5	1,245.0	24.46	51.894	
8,800.0	8,800.0	7,947.0	7,899.7	12.9	9.8	150.95	-846.2	470.0	1,309.1	1,284.3	24.85	52.674	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE UNIT #423H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 188-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,690.0	9,690.0	15,385.0	10,481.8	13.7	91.3	-116.24	-444.9	-902.3	1,282.0	1,196.0	86.02	14.903	
9,700.0	9,700.0	15,385.0	10,481.8	13.8	91.3	-116.24	-444.9	-902.3	1,275.8	1,189.6	86.20	14.801	
9,785.0	9,785.0	15,385.0	10,481.8	13.8	91.3	-116.24	-444.9	-902.3	1,225.4	1,137.7	87.72	13.970	
9,800.0	9,800.0	15,385.0	10,481.8	13.8	91.3	-116.24	-444.9	-902.3	1,216.9	1,128.9	87.98	13.831	
9,880.0	9,880.0	15,385.0	10,481.8	13.9	91.3	-116.24	-444.9	-902.3	1,173.8	1,084.4	89.39	13.131	
9,900.0	9,900.0	15,385.0	10,481.8	13.9	91.3	-116.24	-444.9	-902.3	1,163.6	1,073.8	89.73	12.967	
9,975.0	9,975.0	15,385.0	10,481.8	14.0	91.3	-116.24	-444.9	-902.3	1,127.8	1,036.8	90.98	12.395	
10,000.0	10,000.0	15,385.0	10,481.8	14.0	91.3	-116.24	-444.9	-902.3	1,116.7	1,025.3	91.38	12.220	
10,070.0	10,070.0	15,385.0	10,481.8	14.1	91.3	-116.24	-444.9	-902.3	1,088.1	995.7	92.42	11.773	
10,085.5	10,085.5	15,385.0	10,481.8	14.1	91.3	-116.24	-444.9	-902.3	1,082.3	989.7	92.64	11.683	
10,100.0	10,100.0	15,385.0	10,481.8	14.1	91.3	-113.80	-444.9	-902.3	1,077.1	984.3	92.82	11.604	
10,125.0	10,125.0	15,385.0	10,481.8	14.1	91.3	-114.74	-444.9	-902.3	1,069.0	975.9	93.09	11.483	
10,150.0	10,149.8	15,385.0	10,481.8	14.1	91.3	-115.55	-444.9	-902.3	1,061.9	968.6	93.31	11.381	
10,165.0	10,164.6	15,385.0	10,481.8	14.1	91.3	-115.96	-444.9	-902.3	1,058.2	964.8	93.40	11.329	
10,175.0	10,174.5	15,385.0	10,481.8	14.1	91.3	-116.21	-444.9	-902.3	1,055.9	962.5	93.46	11.299	
10,200.0	10,198.9	15,385.0	10,481.8	14.1	91.3	-116.75	-444.9	-902.3	1,051.1	957.5	93.54	11.236	
10,225.0	10,223.0	15,385.0	10,481.8	14.2	91.3	-117.15	-444.9	-902.3	1,047.4	953.8	93.56	11.195	
10,250.0	10,246.8	15,385.0	10,481.8	14.2	91.3	-117.42	-444.9	-902.3	1,044.8	951.3	93.51	11.174	
10,260.0	10,256.1	15,385.0	10,481.8	14.2	91.3	-117.49	-444.9	-902.3	1,044.2	950.7	93.47	11.171 SF	
10,275.0	10,270.1	15,385.0	10,481.8	14.2	91.3	-117.56	-444.9	-902.3	1,043.5	950.1	93.39	11.173	
10,290.1	10,283.9	15,385.0	10,481.8	14.2	91.3	-117.58	-444.9	-902.3	1,043.3	950.0	93.29	11.183 CC, ES	
10,300.0	10,292.9	15,385.0	10,481.8	14.2	91.3	-117.57	-444.9	-902.3	1,043.4	950.2	93.21	11.194	
10,325.0	10,315.1	15,385.0	10,481.8	14.2	91.3	-117.46	-444.9	-902.3	1,044.5	951.5	92.96	11.236	
10,350.0	10,336.7	15,385.0	10,481.8	14.3	91.3	-117.21	-444.9	-902.3	1,046.7	954.1	92.64	11.298	
10,355.0	10,340.9	15,385.0	10,481.8	14.3	91.3	-117.15	-444.9	-902.3	1,047.3	954.8	92.57	11.313	
10,375.0	10,357.6	15,385.0	10,481.8	14.3	91.3	-116.84	-444.9	-902.3	1,050.2	957.9	92.27	11.381	
10,400.0	10,377.8	15,385.0	10,481.8	14.3	91.3	-116.34	-444.9	-902.3	1,054.8	963.0	91.84	11.485	
10,425.0	10,397.1	15,385.0	10,481.8	14.4	91.3	-115.70	-444.9	-902.3	1,060.6	969.2	91.36	11.609	
10,450.0	10,415.6	15,385.0	10,481.8	14.4	91.3	-114.93	-444.9	-902.3	1,067.4	976.6	90.83	11.752	
10,475.0	10,433.2	15,385.0	10,481.8	14.4	91.3	-114.01	-444.9	-902.3	1,075.3	985.1	90.26	11.914	
10,500.0	10,449.9	15,385.0	10,481.8	14.4	91.3	-112.96	-444.9	-902.3	1,084.3	994.6	89.65	12.095	
10,525.0	10,465.5	15,385.0	10,481.8	14.5	91.3	-111.76	-444.9	-902.3	1,094.2	1,005.2	89.00	12.294	
10,545.0	10,477.3	15,385.0	10,481.8	14.5	91.3	-110.70	-444.9	-902.3	1,102.7	1,014.3	88.47	12.465	
10,550.0	10,480.1	15,385.0	10,481.8	14.5	91.3	-110.42	-444.9	-902.3	1,105.0	1,016.6	88.33	12.509	
10,575.0	10,493.7	15,385.0	10,481.8	14.5	91.3	-108.93	-444.9	-902.3	1,116.6	1,029.0	87.64	12.742	
10,600.0	10,506.1	15,385.0	10,481.8	14.6	91.3	-107.29	-444.9	-902.3	1,129.1	1,042.2	86.92	12.990	
10,625.0	10,517.3	15,385.0	10,481.8	14.6	91.3	-105.50	-444.9	-902.3	1,142.3	1,056.1	86.20	13.253	
10,640.0	10,523.5	15,385.0	10,481.8	14.6	91.3	-104.35	-444.9	-902.3	1,150.6	1,064.8	85.76	13.417	
10,650.0	10,527.4	15,385.0	10,481.8	14.6	91.3	-103.55	-444.9	-902.3	1,156.2	1,070.8	85.46	13.529	
10,675.0	10,536.3	15,385.0	10,481.8	14.6	91.3	-101.47	-444.9	-902.3	1,170.7	1,086.0	84.72	13.819	
10,700.0	10,543.9	15,385.0	10,481.8	14.7	91.3	-99.24	-444.9	-902.3	1,185.8	1,101.8	83.98	14.121	
10,725.0	10,550.3	15,385.0	10,481.8	14.7	91.3	-96.87	-444.9	-902.3	1,201.4	1,118.1	83.24	14.433	
10,735.0	10,552.5	15,385.0	10,481.8	14.7	91.3	-95.89	-444.9	-902.3	1,207.7	1,124.8	82.94	14.561	
10,750.0	10,555.4	15,385.0	10,481.8	14.7	91.3	-94.39	-444.9	-902.3	1,217.4	1,134.9	82.50	14.756	
10,775.0	10,559.2	15,385.0	10,481.8	14.7	91.3	-91.79	-444.9	-902.3	1,233.7	1,152.0	81.77	15.088	
10,800.0	10,561.7	15,385.0	10,481.8	14.7	91.3	-89.10	-444.9	-902.3	1,250.4	1,169.4	81.05	15.428	
10,825.0	10,562.9	15,385.0	10,481.8	14.7	91.3	-86.34	-444.9	-902.3	1,267.4	1,187.0	80.34	15.775	
10,830.0	10,563.0	15,385.0	10,481.8	14.7	91.3	-85.78	-444.9	-902.3	1,270.8	1,190.6	80.20	15.845	
10,834.1	10,563.0	15,385.0	10,481.8	14.7	91.3	-85.32	-444.9	-902.3	1,273.6	1,193.5	80.09	15.902	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #11H - OWB - AWP												Offset Site Error: 3.0 usft	
Survey Program: 100-Standard Keeper 104, 8665-MWD		Reference 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
17,670.0	10,584.1	13,995.0	9,270.3	57.7	83.7	18.47	7,563.2	333.2	1,315.3	1,206.9	108.35	12.139	
17,700.0	10,584.2	13,995.0	9,270.3	58.0	83.7	18.47	7,563.2	333.2	1,310.0	1,201.3	108.76	12.045	
17,765.0	10,584.4	13,995.0	9,270.3	58.5	83.7	18.47	7,563.2	333.2	1,300.9	1,191.4	109.48	11.883	
17,800.0	10,584.5	13,995.0	9,270.3	58.7	83.7	18.47	7,563.2	333.2	1,297.3	1,187.5	109.78	11.818	
17,860.0	10,584.7	13,995.0	9,270.3	59.2	83.7	18.47	7,563.2	333.2	1,293.4	1,183.2	110.13	11.744	
17,900.0	10,584.8	13,974.4	9,270.8	59.5	83.4	18.45	7,583.8	332.4	1,292.1	1,181.9	110.17	11.728	
17,955.0	10,585.0	13,919.9	9,272.0	59.9	82.5	18.39	7,638.2	330.4	1,290.6	1,180.5	110.08	11.723	
18,000.0	10,585.1	13,875.8	9,273.0	60.2	81.8	18.35	7,682.2	328.8	1,289.3	1,179.3	110.02	11.719	
18,050.0	10,585.3	13,826.8	9,274.1	60.6	81.0	18.30	7,731.2	327.1	1,288.0	1,178.0	109.94	11.715	
18,100.0	10,585.4	13,781.2	9,275.0	60.9	80.3	18.26	7,776.8	325.5	1,286.7	1,176.9	109.89	11.710	
18,145.0	10,585.6	13,741.0	9,275.5	61.3	79.6	18.21	7,816.9	323.9	1,285.8	1,176.0	109.84	11.707	
18,200.0	10,585.7	13,699.5	9,275.8	61.7	79.0	18.16	7,858.5	322.4	1,285.1	1,175.3	109.80	11.704	SF
18,233.9	10,585.8	13,672.9	9,275.8	61.9	78.6	18.13	7,885.0	321.5	1,284.9	1,175.1	109.77	11.705	
18,240.0	10,585.9	13,668.1	9,275.8	62.0	78.5	18.12	7,889.8	321.3	1,284.9	1,175.1	109.77	11.706	ES
18,251.1	10,585.9	13,659.4	9,275.8	62.1	78.3	18.11	7,898.5	321.0	1,284.9	1,175.1	109.76	11.707	CC
18,283.9	10,586.0	13,627.9	9,275.6	62.3	77.9	18.07	7,929.9	320.1	1,284.9	1,175.2	109.71	11.712	
18,284.8	10,586.0	13,626.9	9,275.6	62.3	77.8	18.07	7,931.0	320.0	1,284.9	1,175.2	109.71	11.712	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #3H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program:				100-Standard Keeper 104, 9818-MWD <th colspan="4">Rule Assigned:</th> <th>Offset Well Error:</th> <td>3.0 usft</td>				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	
17,000.0	10,582.0	14,116.0	10,360.1	52.8	66.4	31.54	7,877.7	78.2	1,270.6	1,230.9	39.67	32.029		
17,005.0	10,582.1	14,116.0	10,360.1	52.8	66.4	31.54	7,877.7	78.2	1,265.7	1,226.0	39.73	31.860		
17,100.0	10,582.3	14,116.0	10,360.1	53.5	66.4	31.54	7,877.7	78.2	1,173.6	1,132.7	40.95	28.659		
17,195.0	10,582.6	14,116.0	10,360.1	54.2	66.4	31.54	7,877.7	78.2	1,082.0	1,039.6	42.43	25.502		
17,200.0	10,582.7	14,116.0	10,360.1	54.3	66.4	31.54	7,877.7	78.2	1,077.2	1,034.7	42.52	25.337		
17,290.0	10,582.9	14,116.0	10,360.1	54.9	66.4	31.54	7,877.7	78.2	991.1	946.8	44.24	22.402		
17,300.0	10,583.0	14,116.0	10,360.1	55.0	66.4	31.54	7,877.7	78.2	981.6	937.1	44.45	22.080		
17,385.0	10,583.2	14,116.0	10,360.1	55.6	66.4	31.54	7,877.7	78.2	901.0	854.5	46.49	19.379		
17,400.0	10,583.3	14,116.0	10,360.1	55.7	66.4	31.54	7,877.7	78.2	886.8	839.9	46.90	18.910		
17,480.0	10,583.5	14,116.0	10,360.1	56.3	66.4	31.54	7,877.7	78.2	812.0	762.6	49.33	16.458		
17,500.0	10,583.6	14,116.0	10,360.1	56.5	66.4	31.54	7,877.7	78.2	793.4	743.4	50.03	15.860		
17,575.0	10,583.8	14,116.0	10,360.1	57.0	66.4	31.54	7,877.7	78.2	724.5	671.5	52.97	13.677		
17,600.0	10,583.9	14,116.0	10,360.1	57.2	66.4	31.54	7,877.7	78.2	701.8	647.7	54.10	12.973		
17,670.0	10,584.1	14,116.0	10,360.1	57.7	66.4	31.54	7,877.7	78.2	639.2	581.5	57.70	11.078		
17,700.0	10,584.2	14,116.0	10,360.1	58.0	66.4	31.54	7,877.7	78.2	612.8	553.3	59.47	10.304		
17,765.0	10,584.4	14,116.0	10,360.1	58.5	66.4	31.54	7,877.7	78.2	557.0	493.1	63.89	8.718		
17,800.0	10,584.5	14,116.0	10,360.1	58.7	66.4	31.54	7,877.7	78.2	527.8	461.2	66.63	7.921		
17,860.0	10,584.7	14,116.0	10,360.1	59.2	66.4	31.54	7,877.7	78.2	479.5	407.5	72.00	6.661		
17,900.0	10,584.8	14,116.0	10,360.1	59.5	66.4	31.54	7,877.7	78.2	449.0	372.9	76.09	5.901		
17,955.0	10,585.0	14,116.0	10,360.1	59.9	66.4	31.54	7,877.7	78.2	409.6	327.2	82.37	4.973		
18,000.0	10,585.1	14,116.0	10,360.1	60.2	66.4	31.54	7,877.7	78.2	380.3	292.3	88.00	4.321		
18,050.0	10,585.3	14,116.0	10,360.1	60.6	66.4	31.54	7,877.7	78.2	351.6	257.0	94.55	3.719		
18,100.0	10,585.4	14,116.0	10,360.1	60.9	66.4	31.54	7,877.7	78.2	328.0	227.1	100.91	3.251		
18,145.0	10,585.6	14,116.0	10,360.1	61.3	66.4	31.54	7,877.7	78.2	312.3	206.4	105.86	2.950		
18,200.0	10,585.7	14,116.0	10,360.1	61.7	66.4	31.54	7,877.7	78.2	301.1	191.1	109.92	2.739		
18,233.9	10,585.8	14,116.0	10,360.1	61.9	66.4	31.54	7,877.7	78.2	299.0	188.1	110.93	2.696		
18,234.9	10,585.8	14,116.0	10,360.1	61.9	66.4	31.54	7,877.7	78.2	299.0	188.1	110.94	2.695 CC, ES		
18,240.0	10,585.9	14,116.0	10,360.1	62.0	66.4	31.54	7,877.7	78.2	299.1	188.1	110.98	2.695 SF		
18,283.9	10,586.0	14,075.3	10,359.5	62.3	65.8	31.62	7,918.4	78.8	300.3	189.4	110.91	2.707		
18,284.8	10,586.0	14,074.4	10,359.4	62.3	65.8	31.62	7,919.3	78.9	300.3	189.4	110.91	2.708		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
0.0	0.0	6.8	6.8	3.0	3.0	-90.25	-1.7	-385.0	385.0					
95.0	95.0	97.1	97.1	3.0	3.0	-90.30	-2.0	-385.6	385.7	379.6	6.02	64.017		
100.0	100.0	101.9	101.9	3.0	3.0	-90.31	-2.1	-385.7	385.7	379.7	6.03	63.989		
190.0	190.0	194.2	194.1	3.1	3.0	-90.39	-2.6	-386.9	387.0	380.8	6.14	63.039		
200.0	200.0	205.1	205.1	3.2	3.0	-90.39	-2.6	-387.0	387.0	380.9	6.16	62.875		
285.0	285.0	296.2	296.1	3.3	3.0	-90.27	-1.8	-386.8	386.8	380.5	6.26	61.830		
300.0	300.0	311.4	311.4	3.3	3.0	-90.24	-1.6	-386.6	386.6	380.4	6.28	61.609		
380.0	380.0	392.4	392.3	3.4	3.0	-90.07	-0.5	-385.6	385.7	379.3	6.37	60.573		
400.0	400.0	412.5	412.5	3.4	3.0	-90.05	-0.3	-385.4	385.4	379.0	6.39	60.293		
475.0	475.0	488.8	488.8	3.5	3.0	-90.08	-0.6	-384.2	384.2	377.8	6.48	59.315		
500.0	500.0	513.6	513.5	3.5	3.0	-90.11	-0.7	-383.7	383.8	377.3	6.51	58.968		
570.0	570.0	583.1	583.0	3.6	3.0	-90.19	-1.3	-382.7	382.7	376.1	6.59	58.076		
600.0	600.0	612.0	611.9	3.6	3.0	-90.23	-1.5	-382.3	382.3	375.7	6.63	57.686		
665.0	665.0	673.1	673.0	3.7	3.0	-90.29	-1.9	-381.8	381.8	375.1	6.70	56.959		
674.1	674.1	681.2	681.2	3.7	3.0	-90.29	-2.0	-381.8	381.8	375.1	6.71	56.869		
700.0	700.0	704.8	704.8	3.8	3.0	-90.32	-2.1	-381.9	381.9	375.1	6.74	56.636		
760.0	760.0	762.0	761.9	3.8	3.0	-90.39	-2.6	-382.3	382.4	375.6	6.81	56.185		
800.0	800.0	801.4	801.3	3.9	3.0	-90.43	-2.9	-383.0	383.0	376.2	6.85	55.923		
855.0	855.0	857.5	857.4	4.0	3.1	-90.49	-3.3	-383.7	383.8	376.9	6.91	55.557		
900.0	900.0	901.7	901.6	4.0	3.1	-90.53	-3.5	-384.3	384.4	377.4	6.96	55.246		
950.0	950.0	954.1	954.0	4.1	3.1	-90.57	-3.8	-385.0	385.0	378.0	7.01	54.907		
1,000.0	1,000.0	1,024.2	1,024.0	4.1	3.1	-90.85	-5.7	-383.6	384.0	377.0	7.07	54.346		
1,045.0	1,045.0	1,086.1	1,085.8	4.2	3.1	-91.29	-8.5	-379.8	381.4	374.3	7.10	53.690		
1,100.0	1,100.0	1,149.5	1,148.7	4.3	3.1	-91.93	-12.6	-373.0	375.5	368.4	7.16	52.480		
1,140.0	1,140.0	1,189.0	1,187.8	4.3	3.1	-92.35	-15.1	-368.6	371.1	363.9	7.20	51.538		
1,200.0	1,200.0	1,248.3	1,246.6	4.4	3.1	-93.01	-19.0	-361.9	364.6	357.3	7.27	50.143		
1,235.0	1,235.0	1,281.7	1,279.8	4.4	3.1	-93.38	-21.2	-358.2	360.8	353.5	7.31	49.349		
1,300.0	1,300.0	1,346.2	1,343.8	4.5	3.2	-94.11	-25.3	-351.3	354.1	346.7	7.39	47.931		
1,330.0	1,330.0	1,375.7	1,373.0	4.5	3.2	-94.45	-27.1	-348.2	351.0	343.6	7.42	47.287		
1,400.0	1,400.0	1,455.8	1,452.4	4.6	3.2	-95.33	-31.6	-338.6	343.1	335.6	7.49	45.791		
1,425.0	1,425.0	1,480.7	1,477.1	4.6	3.2	-95.58	-32.8	-335.2	339.8	332.3	7.52	45.171		
1,500.0	1,500.0	1,555.2	1,550.8	4.7	3.3	-96.34	-36.1	-325.0	329.9	322.3	7.61	43.322		
1,520.0	1,520.0	1,574.4	1,569.8	4.8	3.3	-96.53	-36.9	-322.3	327.2	319.6	7.64	42.833		
1,600.0	1,600.0	1,652.4	1,647.0	4.8	3.3	-97.29	-39.9	-311.9	317.0	309.3	7.74	40.944		
1,615.0	1,615.0	1,667.0	1,661.5	4.9	3.3	-97.43	-40.4	-310.0	315.1	307.4	7.76	40.601		
1,700.0	1,700.0	1,750.8	1,744.6	5.0	3.3	-98.24	-43.3	-299.2	304.6	296.8	7.87	38.705		
1,710.0	1,710.0	1,760.4	1,754.1	5.0	3.3	-98.34	-43.7	-297.9	303.4	295.5	7.88	38.485		
1,800.0	1,800.0	1,849.0	1,841.9	5.1	3.4	-99.30	-47.0	-286.8	292.7	284.7	8.00	36.585		
1,805.0	1,805.0	1,853.9	1,846.8	5.1	3.4	-99.35	-47.1	-286.2	292.1	284.1	8.01	36.480		
1,900.0	1,900.0	1,949.1	1,941.1	5.2	3.5	-100.42	-50.4	-274.3	281.0	272.9	8.13	34.549		
1,995.0	1,995.0	2,043.3	2,034.5	5.3	3.5	-101.54	-53.5	-262.2	269.5	261.3	8.26	32.624		
2,000.0	2,000.0	2,048.2	2,039.4	5.3	3.5	-101.60	-53.7	-261.5	268.9	260.7	8.27	32.524		
2,090.0	2,090.0	2,135.2	2,125.7	5.5	3.6	-102.68	-56.4	-250.8	258.7	250.2	8.47	30.554		
2,100.0	2,100.0	2,145.1	2,135.4	5.5	3.6	-102.80	-56.7	-249.7	257.6	249.1	8.49	30.345		
2,185.0	2,185.0	2,231.3	2,221.0	5.6	3.6	-103.94	-59.4	-239.3	248.3	239.6	8.66	28.670		
2,200.0	2,200.0	2,247.7	2,237.3	5.6	3.6	-104.23	-60.1	-237.1	246.5	237.8	8.69	28.369		
2,280.0	2,280.0	2,331.2	2,319.6	5.7	3.7	-106.23	-65.3	-224.4	236.0	227.2	8.85	26.675		
2,300.0	2,300.0	2,351.5	2,339.6	5.7	3.7	-106.78	-66.7	-221.1	233.2	224.3	8.89	26.239		
2,375.0	2,375.0	2,425.7	2,412.6	5.8	3.8	-108.94	-71.6	-208.8	222.9	213.8	9.05	24.635		
2,400.0	2,400.0	2,450.0	2,436.5	5.9	3.8	-109.70	-73.3	-204.8	219.5	210.4	9.10	24.116		
2,470.0	2,470.0	2,516.5	2,502.1	6.0	3.8	-111.76	-77.5	-194.2	210.6	201.4	9.25	22.762		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor		
5,000.0	5,000.0	5,023.7	4,988.7	8.8	6.3	159.33	-228.0	86.0	244.4	229.5	14.95	16.349	
5,035.0	5,035.0	5,059.2	5,024.0	8.9	6.4	158.77	-229.7	89.2	247.0	232.0	15.03	16.439	
5,100.0	5,100.0	5,126.2	5,090.7	9.0	6.5	157.83	-232.4	94.7	251.5	236.3	15.17	16.574	
5,130.0	5,130.0	5,156.0	5,120.4	9.0	6.5	157.44	-233.6	97.0	253.5	238.2	15.24	16.633	
5,200.0	5,200.0	5,227.2	5,191.4	9.1	6.6	156.59	-236.3	102.3	258.0	242.6	15.39	16.761	
5,225.0	5,225.0	5,252.6	5,216.7	9.1	6.6	156.33	-237.3	104.0	259.5	244.1	15.45	16.800	
5,300.0	5,300.0	5,327.8	5,291.6	9.2	6.7	155.55	-239.9	109.0	263.9	248.3	15.61	16.910	
5,320.0	5,320.0	5,348.1	5,311.9	9.2	6.7	155.34	-240.5	110.4	265.1	249.5	15.65	16.938	
5,400.0	5,400.0	5,440.8	5,404.5	9.3	6.8	154.68	-242.4	114.7	268.1	252.3	15.83	16.936	
5,415.0	5,415.0	5,456.2	5,419.8	9.3	6.8	154.62	-242.4	115.0	268.3	252.4	15.86	16.916	
5,500.0	5,500.0	5,540.7	5,504.4	9.4	6.9	154.38	-242.6	116.3	269.1	253.1	16.01	16.803	
5,510.0	5,510.0	5,550.6	5,514.2	9.4	6.9	154.35	-242.6	116.5	269.2	253.1	16.03	16.790	
5,600.0	5,600.0	5,639.8	5,603.4	9.5	7.0	154.13	-243.1	117.9	270.2	254.0	16.20	16.679	
5,605.0	5,605.0	5,644.8	5,608.4	9.5	7.0	154.12	-243.2	118.0	270.3	254.1	16.21	16.673	
5,700.0	5,700.0	5,739.7	5,703.3	9.6	7.2	153.87	-243.8	119.6	271.5	255.1	16.39	16.564	
5,795.0	5,795.0	5,834.4	5,798.0	9.7	7.3	153.62	-244.5	121.3	273.0	256.4	16.58	16.466	
5,800.0	5,800.0	5,839.3	5,802.9	9.7	7.3	153.61	-244.6	121.3	273.0	256.5	16.59	16.460	
5,890.0	5,890.0	5,935.4	5,899.0	9.8	7.3	153.66	-245.0	121.3	273.4	256.6	16.74	16.332	
5,900.0	5,900.0	5,945.2	5,908.8	9.8	7.3	153.69	-245.0	121.1	273.3	256.6	16.75	16.317	
5,980.9	5,980.9	6,024.4	5,988.0	9.9	7.3	154.00	-245.4	119.7	273.0	256.2	16.85	16.204	
5,985.0	5,985.0	6,028.5	5,992.1	9.9	7.3	154.02	-245.4	119.6	273.0	256.2	16.85	16.199	
6,000.0	6,000.0	6,043.5	6,007.0	9.9	7.3	154.09	-245.6	119.3	273.0	256.2	16.88	16.179	
6,080.0	6,080.0	6,120.9	6,084.5	10.0	7.3	154.49	-246.8	117.8	273.5	256.5	16.99	16.095	
6,100.0	6,100.0	6,140.9	6,104.4	10.0	7.3	154.58	-247.2	117.5	273.7	256.7	17.02	16.075	
6,175.0	6,175.0	6,215.3	6,178.8	10.1	7.3	154.95	-248.7	116.3	274.6	257.4	17.15	16.011	
6,200.0	6,200.0	6,240.2	6,203.7	10.1	7.3	155.07	-249.2	115.9	274.9	257.7	17.19	15.990	
6,270.0	6,270.0	6,317.3	6,280.8	10.1	7.3	155.28	-249.6	114.9	274.8	257.5	17.29	15.899	
6,300.0	6,300.0	6,347.5	6,311.0	10.2	7.3	155.28	-249.2	114.7	274.4	257.1	17.31	15.851	
6,365.0	6,365.0	6,411.1	6,374.5	10.2	7.3	155.39	-248.7	113.9	273.6	256.2	17.37	15.753	
6,400.0	6,400.0	6,445.6	6,409.1	10.3	7.3	155.55	-248.8	113.1	273.4	255.9	17.41	15.701	
6,460.0	6,460.0	6,505.8	6,469.2	10.3	7.3	156.01	-249.3	111.0	272.9	255.4	17.49	15.609	
6,500.0	6,500.0	6,545.8	6,509.2	10.4	7.3	156.40	-249.8	109.2	272.6	255.1	17.54	15.547	
6,555.0	6,555.0	6,600.3	6,563.6	10.4	7.3	157.01	-250.7	106.3	272.3	254.7	17.60	15.467	
6,600.0	6,600.0	6,644.5	6,607.8	10.5	7.3	157.50	-251.4	104.1	272.1	254.5	17.66	15.407	
6,618.0	6,618.0	6,661.8	6,625.1	10.5	7.3	157.61	-251.6	103.6	272.1	254.4	17.69	15.385	
6,650.0	6,650.0	6,693.0	6,656.2	10.5	7.3	157.76	-251.9	103.0	272.2	254.4	17.73	15.350	
6,700.0	6,700.0	6,743.4	6,706.7	10.6	7.3	157.97	-252.4	102.1	272.3	254.5	17.81	15.292	
6,745.0	6,745.0	6,789.8	6,753.1	10.6	7.4	158.19	-252.8	101.2	272.2	254.4	17.87	15.235	
6,800.0	6,800.0	6,845.3	6,808.5	10.7	7.4	158.51	-253.0	99.6	271.9	254.0	17.94	15.156	
6,840.0	6,840.0	6,885.5	6,848.7	10.7	7.4	158.76	-253.3	98.4	271.7	253.7	17.99	15.100	
6,900.0	6,900.0	6,946.5	6,909.6	10.8	7.4	159.15	-253.5	96.6	271.3	253.2	18.07	15.010	
6,935.0	6,935.0	6,983.3	6,946.4	10.8	7.4	159.36	-253.4	95.4	270.8	252.7	18.12	14.947	
7,000.0	7,000.0	7,047.6	7,010.7	10.9	7.4	159.71	-253.1	93.6	269.9	251.7	18.19	14.835	
7,030.0	7,030.0	7,077.8	7,040.9	10.9	7.4	159.89	-253.0	92.7	269.5	251.2	18.23	14.784	
7,099.2	7,099.2	7,143.2	7,106.3	11.0	7.4	159.89	-252.3	92.4	268.7	250.4	18.30	14.682	
7,100.0	7,100.0	7,144.0	7,107.0	11.0	7.4	159.89	-252.3	92.4	268.7	250.4	18.30	14.681	
7,125.0	7,125.0	7,167.4	7,130.4	11.0	7.4	159.80	-252.2	92.8	268.8	250.4	18.34	14.657	
7,200.0	7,200.0	7,240.1	7,203.1	11.1	7.5	159.61	-252.8	94.0	269.7	251.2	18.47	14.603	
7,220.0	7,220.0	7,259.9	7,222.9	11.1	7.5	159.57	-253.0	94.2	270.0	251.5	18.51	14.589	
7,300.0	7,300.0	7,337.3	7,300.3	11.2	7.6	159.54	-254.5	94.9	271.7	253.0	18.66	14.558	
7,315.0	7,315.0	7,352.1	7,315.1	11.2	7.6	159.54	-254.8	95.1	272.1	253.4	18.69	14.555	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP											Offset Site Error:	3.0 usft	
Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft	
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,400.0	7,436.5	7,399.5	11.3	7.7	159.61	-257.1	95.6	274.4	255.5	18.86	14.547	
7,410.0	7,410.0	7,447.0	7,410.0	11.3	7.7	159.62	-257.3	95.6	274.6	255.7	18.88	14.545	
7,500.0	7,500.0	7,538.4	7,501.3	11.4	7.8	159.50	-259.0	96.8	276.6	257.5	19.06	14.511	
7,505.0	7,505.0	7,543.5	7,506.5	11.4	7.8	159.49	-259.1	96.9	276.7	257.6	19.07	14.509	
7,600.0	7,600.0	7,633.9	7,596.8	11.4	7.9	159.39	-261.4	98.3	279.5	260.3	19.25	14.517	
7,695.0	7,695.0	7,729.7	7,692.5	11.5	8.0	159.67	-265.2	98.2	283.0	263.5	19.44	14.557	
7,700.0	7,700.0	7,734.6	7,697.4	11.5	8.0	159.70	-265.4	98.2	283.1	263.7	19.45	14.558	
7,790.0	7,790.0	7,854.8	7,817.5	11.6	8.0	160.12	-264.5	95.6	282.0	262.4	19.65	14.351	
7,800.0	7,800.0	7,865.1	7,827.7	11.6	8.0	160.10	-263.8	95.5	281.3	261.6	19.66	14.306	
7,885.0	7,885.0	7,942.1	7,904.6	11.7	8.0	159.94	-259.0	94.6	276.0	256.3	19.70	14.010	
7,900.0	7,900.0	7,956.0	7,918.5	11.7	8.0	159.92	-258.4	94.4	275.4	255.7	19.71	13.971	
7,980.0	7,980.0	8,053.3	8,015.6	11.8	8.0	159.53	-251.8	94.0	270.3	250.4	19.89	13.589	
8,000.0	8,000.0	8,074.7	8,036.8	11.8	8.0	159.31	-249.3	94.2	268.2	248.3	19.93	13.458	
8,075.0	8,075.0	8,147.0	8,108.5	11.9	8.0	158.47	-240.5	94.9	259.9	239.9	19.98	13.004	
8,100.0	8,100.0	8,170.2	8,131.6	11.9	8.0	158.25	-238.0	95.0	257.4	237.4	20.00	12.874	
8,170.0	8,170.0	8,237.0	8,198.1	12.0	8.0	157.73	-231.7	94.9	251.2	231.2	20.04	12.533	
8,200.0	8,200.0	8,266.8	8,227.8	12.0	8.0	157.56	-229.1	94.6	248.7	228.6	20.07	12.391	
8,265.0	8,265.0	8,330.3	8,291.1	12.1	8.0	157.32	-223.9	93.5	243.4	223.3	20.13	12.093	
8,300.0	8,300.0	8,363.3	8,324.0	12.1	8.0	157.28	-221.6	92.8	240.8	220.6	20.14	11.953	
8,360.0	8,360.0	8,420.4	8,381.0	12.2	8.0	157.23	-218.1	91.6	237.0	216.8	20.18	11.742	
8,400.0	8,400.0	8,458.6	8,419.1	12.2	8.0	157.19	-216.1	90.9	234.8	214.5	20.21	11.618	
8,455.0	8,455.0	8,510.3	8,470.7	12.3	8.0	157.12	-213.9	90.3	232.3	212.1	20.24	11.477	
8,500.0	8,500.0	8,553.7	8,514.1	12.3	8.0	157.06	-212.5	89.9	230.8	210.5	20.28	11.384	
8,550.0	8,550.0	8,601.4	8,561.9	12.4	8.0	157.03	-211.3	89.5	229.5	209.2	20.32	11.298	
8,600.0	8,600.0	8,650.0	8,610.4	12.4	8.0	157.05	-210.4	89.1	228.5	208.2	20.36	11.225	
8,645.0	8,645.0	8,694.3	8,654.8	12.4	8.0	157.06	-209.9	88.9	228.0	207.6	20.40	11.173	
8,700.0	8,700.0	8,748.0	8,708.4	12.5	8.0	157.02	-209.4	88.8	227.4	207.0	20.45	11.119	
8,740.0	8,740.0	8,787.8	8,748.2	12.5	8.0	156.99	-209.1	88.8	227.1	206.6	20.50	11.081	
8,800.0	8,800.0	8,848.1	8,808.5	12.6	8.0	156.86	-208.7	89.2	226.9	206.3	20.57	11.031	
8,835.0	8,835.0	8,884.3	8,844.7	12.6	8.0	156.88	-208.4	89.0	226.6	206.0	20.61	10.994	
8,900.0	8,900.0	8,951.6	8,912.0	12.7	8.1	157.04	-207.6	88.0	225.5	204.8	20.67	10.907	
8,930.0	8,930.0	8,981.6	8,942.0	12.7	8.1	157.14	-207.1	87.3	224.9	204.1	20.71	10.860	
9,000.0	9,000.0	9,072.4	9,032.4	12.8	8.1	156.22	-201.0	88.6	221.1	200.2	20.90	10.581	
9,025.0	9,025.0	9,112.2	9,071.1	12.8	8.1	154.23	-192.7	93.0	217.5	196.3	21.17	10.271	
9,100.0	9,100.0	9,216.8	9,164.8	12.9	8.2	143.19	-151.8	113.6	198.3	176.3	21.99	9.014	
9,120.0	9,120.0	9,237.8	9,182.5	12.9	8.2	140.12	-141.4	118.2	192.4	170.4	21.99	8.750	
9,200.0	9,200.0	9,314.1	9,243.6	13.0	8.3	126.21	-99.1	135.4	171.8	150.2	21.57	7.964	
9,215.0	9,215.0	9,327.1	9,253.5	13.0	8.3	123.39	-91.3	138.5	168.8	147.3	21.44	7.871	
9,290.7	9,290.7	9,387.4	9,297.8	13.0	8.4	109.11	-52.8	152.3	161.2	140.1	21.13	7.629 ES	
9,300.0	9,300.0	9,394.3	9,302.6	13.1	8.4	107.40	-48.2	153.9	161.3	140.2	21.18	7.618	
9,310.0	9,310.0	9,401.5	9,307.8	13.1	8.4	105.58	-43.4	155.6	161.8	140.5	21.26	7.608 SF	
9,400.0	9,400.0	9,461.5	9,348.5	13.1	8.5	90.54	-1.6	169.3	179.2	156.0	23.25	7.709	
9,405.0	9,405.0	9,464.4	9,350.4	13.2	8.5	89.82	0.5	170.0	180.9	157.5	23.41	7.728	
9,500.0	9,500.0	9,515.7	9,381.9	13.2	8.6	77.91	39.0	182.2	224.4	198.0	26.45	8.486	
9,595.0	9,595.0	9,564.9	9,410.4	13.3	8.7	68.29	77.3	194.3	283.6	255.1	28.59	9.923	
9,600.0	9,600.0	9,567.6	9,412.0	13.3	8.7	67.82	79.5	194.9	287.0	258.4	28.67	10.012	
9,690.0	9,690.0	9,612.3	9,437.0	13.4	8.8	60.85	114.9	205.9	351.1	321.1	29.99	11.705	
9,700.0	9,700.0	9,616.4	9,439.2	13.4	8.8	60.28	118.1	206.9	358.5	328.4	30.14	11.896	
9,785.0	9,785.0	9,648.0	9,455.9	13.5	8.8	56.16	143.9	214.6	424.0	392.8	31.25	13.569	
9,800.0	9,800.0	9,648.0	9,455.9	13.5	8.8	56.16	143.9	214.6	436.0	404.5	31.54	13.823	
9,880.0	9,880.0	9,680.4	9,471.8	13.6	8.9	52.45	170.9	222.3	501.1	468.9	32.24	15.542	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor		
2,500.0	2,500.0	2,523.0	2,520.6	6.0	3.5	-86.79	21.1	-376.5	377.3	368.2	9.11	41.433	
2,565.0	2,565.0	2,580.4	2,577.7	6.1	3.6	-87.54	16.1	-375.3	375.6	366.4	9.22	40.745	
2,586.1	2,586.1	2,597.0	2,594.3	6.1	3.6	-87.76	14.7	-375.2	375.5	366.3	9.25	40.577	CC, ES
2,600.0	2,600.0	2,607.5	2,604.7	6.1	3.6	-87.90	13.8	-375.3	375.6	366.3	9.28	40.486	
2,660.0	2,660.0	2,658.5	2,655.6	6.2	3.6	-88.50	9.8	-376.7	377.0	367.6	9.37	40.240	
2,700.0	2,700.0	2,691.6	2,688.6	6.3	3.6	-88.84	7.7	-378.1	378.7	369.2	9.43	40.163	
2,755.0	2,755.0	2,736.6	2,733.4	6.3	3.6	-89.12	5.9	-381.1	382.3	372.8	9.50	40.233	
2,800.0	2,800.0	2,780.6	2,777.2	6.4	3.6	-89.31	4.6	-384.6	385.9	376.3	9.57	40.328	
2,850.0	2,850.0	2,830.1	2,826.6	6.4	3.6	-89.52	3.3	-388.6	389.9	380.3	9.64	40.432	
2,900.0	2,900.0	2,880.7	2,877.0	6.5	3.6	-89.72	1.9	-392.7	394.0	384.2	9.72	40.529	
2,945.0	2,945.0	2,925.8	2,921.9	6.6	3.6	-89.90	0.7	-396.3	397.5	387.7	9.79	40.608	
3,000.0	3,000.0	2,980.3	2,976.3	6.6	3.6	-90.10	-0.7	-400.6	401.9	392.0	9.87	40.700	
3,040.0	3,040.0	3,020.4	3,016.2	6.7	3.7	-90.26	-1.8	-403.8	405.1	395.1	9.94	40.769	
3,100.0	3,100.0	3,080.8	3,076.4	6.7	3.7	-90.49	-3.5	-408.5	409.8	399.7	10.03	40.851	
3,135.0	3,135.0	3,124.9	3,120.3	6.8	3.7	-90.70	-5.0	-411.6	412.2	402.1	10.09	40.841	
3,200.0	3,200.0	3,200.3	3,195.6	6.9	3.7	-91.33	-9.7	-414.5	414.8	404.6	10.21	40.643	
3,230.0	3,230.0	3,242.7	3,237.9	6.9	3.7	-91.75	-12.7	-415.0	415.2	404.9	10.26	40.450	
3,300.0	3,300.0	3,314.7	3,309.7	7.0	3.8	-92.50	-18.1	-414.6	415.0	404.6	10.38	39.972	
3,325.0	3,325.0	3,340.1	3,335.0	7.0	3.8	-92.76	-20.0	-414.4	414.9	404.4	10.42	39.801	
3,400.0	3,400.0	3,414.0	3,408.7	7.1	3.8	-93.50	-25.3	-413.8	414.6	404.0	10.55	39.303	
3,420.0	3,420.0	3,433.6	3,428.2	7.1	3.8	-93.69	-26.6	-413.7	414.6	404.0	10.58	39.179	
3,425.9	3,425.9	3,439.4	3,434.0	7.1	3.8	-93.74	-27.0	-413.7	414.6	404.0	10.59	39.143	
3,500.0	3,500.0	3,513.0	3,507.4	7.2	3.9	-94.34	-31.4	-413.5	414.6	403.9	10.71	38.699	
3,515.0	3,515.0	3,528.0	3,522.5	7.2	3.9	-94.45	-32.2	-413.4	414.7	403.9	10.74	38.612	
3,600.0	3,600.0	3,613.5	3,607.9	7.3	3.9	-95.07	-36.6	-413.1	414.7	403.9	10.88	38.119	
3,610.0	3,610.0	3,623.6	3,617.9	7.3	3.9	-95.14	-37.1	-413.1	414.7	403.9	10.90	38.062	
3,700.0	3,700.0	3,715.8	3,710.0	7.4	4.0	-95.88	-42.5	-412.4	414.6	403.6	11.05	37.532	
3,705.0	3,705.0	3,720.7	3,714.9	7.4	4.0	-95.93	-42.8	-412.4	414.6	403.5	11.06	37.502	
3,800.0	3,800.0	3,815.4	3,809.2	7.5	4.1	-96.99	-50.4	-411.2	414.3	403.1	11.21	36.946	
3,895.0	3,895.0	3,910.0	3,903.5	7.7	4.1	-98.08	-58.2	-410.0	414.1	402.7	11.37	36.414	
3,900.0	3,900.0	3,914.9	3,908.4	7.7	4.1	-98.13	-58.6	-409.9	414.1	402.7	11.38	36.387	
3,990.0	3,990.0	4,005.1	3,998.3	7.8	4.2	-99.16	-65.9	-408.7	414.0	402.5	11.53	35.907	
4,000.0	4,000.0	4,015.1	4,008.3	7.8	4.2	-99.27	-66.7	-408.6	414.0	402.4	11.55	35.855	
4,085.0	4,085.0	4,100.1	4,093.0	7.9	4.3	-100.21	-73.4	-407.4	414.0	402.3	11.69	35.418	
4,100.0	4,100.0	4,115.4	4,108.2	7.9	4.3	-100.37	-74.5	-407.2	414.0	402.2	11.71	35.341	
4,105.0	4,105.0	4,120.5	4,113.3	7.9	4.3	-100.43	-74.9	-407.1	414.0	402.2	11.72	35.316	
4,121.3	4,121.3	4,136.6	4,129.4	7.9	4.3	-100.61	-76.2	-406.9	413.9	402.2	11.75	35.234	
4,180.0	4,180.0	4,192.7	4,185.2	8.0	4.3	-101.29	-81.0	-406.1	414.1	402.2	11.85	34.957	
4,200.0	4,200.0	4,211.6	4,204.0	8.0	4.4	-101.55	-82.9	-405.8	414.3	402.4	11.88	34.874	
4,275.0	4,275.0	4,285.3	4,277.4	8.1	4.4	-102.58	-90.5	-405.2	415.2	403.2	12.00	34.591	
4,300.0	4,300.0	4,310.3	4,302.2	8.1	4.4	-102.93	-93.0	-405.0	415.6	403.5	12.05	34.498	
4,370.0	4,370.0	4,380.2	4,371.8	8.2	4.5	-103.89	-100.0	-404.4	416.6	404.4	12.17	34.246	
4,400.0	4,400.0	4,409.9	4,401.3	8.2	4.5	-104.29	-103.0	-404.1	417.1	404.9	12.22	34.142	
4,465.0	4,465.0	4,471.7	4,462.8	8.3	4.6	-105.14	-109.2	-403.7	418.3	406.0	12.33	33.941	
4,500.0	4,500.0	4,500.7	4,491.6	8.3	4.6	-105.55	-112.3	-403.8	419.4	407.1	12.38	33.876	
4,560.0	4,560.0	4,558.9	4,549.4	8.4	4.6	-106.38	-118.9	-404.5	422.0	409.5	12.48	33.802	
4,600.0	4,600.0	4,597.5	4,587.8	8.4	4.7	-106.92	-123.2	-405.0	423.8	411.2	12.55	33.761	
4,655.0	4,655.0	4,654.2	4,644.2	8.5	4.7	-107.67	-129.2	-405.8	426.3	413.7	12.65	33.701	
4,700.0	4,700.0	4,699.6	4,689.3	8.5	4.7	-108.22	-133.8	-406.4	428.3	415.5	12.73	33.648	
4,750.0	4,750.0	4,749.6	4,739.1	8.6	4.8	-108.84	-138.9	-407.0	430.5	417.7	12.82	33.589	
4,800.0	4,800.0	4,800.8	4,790.1	8.6	4.8	-109.46	-144.0	-407.5	432.6	419.7	12.90	33.523	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design:	POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP											Offset Site Error:	3.0 usft
Survey Program:	100-Standard Keeper 104, 6442-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre	Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
18,200.0	10,585.7	17,410.1	9,658.9	61.7	69.8	-22.99	7,818.6	-474.5	1,015.8	886.1	129.66	7.834	
18,233.9	10,585.8	17,448.4	9,657.9	61.9	70.1	-22.94	7,856.9	-474.2	1,016.5	886.3	130.20	7.807	
18,240.0	10,585.9	17,455.7	9,657.7	62.0	70.2	-22.92	7,864.1	-474.1	1,016.6	886.3	130.30	7.802	
18,283.9	10,586.0	17,518.2	9,656.8	62.3	70.7	-22.82	7,926.7	-473.0	1,016.9	885.9	131.06	7.759	
18,284.8	10,586.0	17,519.6	9,656.8	62.3	70.7	-22.82	7,928.0	-472.9	1,016.9	885.9	131.07	7.758 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)													
0.0	0.0	9.2	9.2	3.0	3.0	-90.25	-2.0	-445.0	445.0					
95.0	95.0	104.8	104.8	3.0	3.0	-90.21	-1.6	-444.9	444.9	438.9	6.03	73.807		
100.0	100.0	109.8	109.8	3.0	3.0	-90.21	-1.6	-444.9	444.9	438.9	6.03	73.757		
115.6	115.6	124.7	124.7	3.0	3.0	-90.19	-1.5	-444.9	444.9	438.8	6.05	73.562		
190.0	190.0	195.0	195.0	3.1	3.0	-90.14	-1.1	-445.2	445.2	439.1	6.17	72.190		
200.0	200.0	204.5	204.5	3.2	3.0	-90.14	-1.1	-445.3	445.3	439.1	6.19	71.956		
285.0	285.0	286.8	286.8	3.3	3.1	-90.09	-0.7	-446.5	446.5	440.2	6.35	70.356		
300.0	300.0	301.4	301.4	3.3	3.1	-90.07	-0.6	-446.7	446.8	440.4	6.38	70.032		
380.0	380.0	379.2	379.2	3.4	3.2	-89.99	0.1	-448.2	448.3	441.8	6.55	68.413		
400.0	400.0	398.6	398.6	3.4	3.2	-89.97	0.2	-448.7	448.8	442.2	6.60	67.979		
475.0	475.0	472.3	472.3	3.5	3.3	-89.88	0.9	-450.5	450.7	443.9	6.79	66.398		
500.0	500.0	497.3	497.3	3.5	3.4	-89.85	1.2	-451.2	451.3	444.5	6.86	65.834		
570.0	570.0	566.8	566.7	3.6	3.5	-89.77	1.8	-453.0	453.2	446.2	7.05	64.292		
600.0	600.0	596.4	596.2	3.6	3.5	-89.75	2.0	-453.9	454.0	446.9	7.14	63.619		
665.0	665.0	661.6	661.4	3.7	3.7	-89.70	2.4	-455.7	455.9	448.6	7.33	62.173		
700.0	700.0	697.1	696.9	3.8	3.7	-89.69	2.5	-456.7	456.9	449.4	7.44	61.369		
760.0	760.0	760.3	760.1	3.8	3.9	-89.68	2.6	-458.2	458.3	450.6	7.64	59.953		
800.0	800.0	802.8	802.6	3.9	4.0	-89.70	2.4	-458.9	458.9	451.2	7.78	58.969		
855.0	855.0	859.3	859.2	4.0	4.1	-89.74	2.1	-459.6	459.6	451.7	7.94	57.908		
900.0	900.0	905.8	905.6	4.0	4.2	-89.80	1.6	-460.0	460.0	452.0	8.05	57.128		
950.0	950.0	957.9	957.7	4.1	4.2	-89.88	1.0	-460.3	460.3	452.2	8.15	56.464		
1,000.0	1,000.0	1,008.7	1,008.5	4.1	4.3	-89.95	0.4	-460.4	460.4	452.1	8.28	55.616		
1,045.0	1,045.0	1,054.5	1,054.3	4.2	4.4	-90.02	-0.2	-460.4	460.4	452.0	8.39	54.875		
1,100.0	1,100.0	1,110.6	1,110.4	4.3	4.5	-90.11	-0.9	-460.3	460.3	451.8	8.52	54.004		
1,140.0	1,140.0	1,151.3	1,151.1	4.3	4.5	-90.18	-1.5	-460.2	460.2	451.6	8.62	53.386		
1,200.0	1,200.0	1,211.9	1,211.7	4.4	4.7	-90.29	-2.3	-459.9	459.9	451.1	8.76	52.474		
1,235.0	1,235.0	1,247.5	1,247.3	4.4	4.7	-90.36	-2.9	-459.7	459.7	450.8	8.85	51.959		
1,300.0	1,300.0	1,314.2	1,314.0	4.5	4.8	-90.49	-4.0	-459.1	459.1	450.1	9.00	51.009		
1,330.0	1,330.0	1,346.1	1,345.9	4.5	4.9	-90.56	-4.5	-458.7	458.7	449.7	9.07	50.568		
1,400.0	1,400.0	1,420.7	1,420.5	4.6	5.0	-90.73	-5.9	-457.1	457.3	448.1	9.24	49.496		
1,425.0	1,425.0	1,445.8	1,445.5	4.6	5.1	-90.80	-6.4	-456.5	456.7	447.4	9.30	49.110		
1,500.0	1,500.0	1,520.7	1,520.4	4.7	5.2	-91.02	-8.1	-454.6	454.8	445.3	9.48	47.969		
1,520.0	1,520.0	1,540.4	1,540.1	4.8	5.3	-91.07	-8.5	-454.1	454.3	444.8	9.53	47.673		
1,600.0	1,600.0	1,619.7	1,619.3	4.8	5.5	-91.29	-10.2	-452.3	452.5	442.8	9.73	46.521		
1,615.0	1,615.0	1,635.0	1,634.6	4.9	5.5	-91.34	-10.5	-451.9	452.1	442.4	9.76	46.306		
1,700.0	1,700.0	1,721.8	1,721.3	5.0	5.7	-91.55	-12.2	-449.7	450.0	440.0	9.98	45.087		
1,710.0	1,710.0	1,732.0	1,731.5	5.0	5.7	-91.58	-12.4	-449.4	449.7	439.7	10.01	44.943		
1,800.0	1,800.0	1,816.1	1,815.6	5.1	6.0	-91.78	-13.9	-447.1	447.3	437.0	10.31	43.371		
1,805.0	1,805.0	1,820.0	1,819.5	5.1	6.0	-91.79	-14.0	-447.0	447.3	436.9	10.34	43.263		
1,829.9	1,829.9	1,839.5	1,839.0	5.1	6.1	-91.86	-14.5	-446.9	447.1	436.6	10.46	42.753		
1,900.0	1,900.0	1,897.8	1,897.3	5.2	6.5	-92.11	-16.5	-447.8	448.3	437.5	10.76	41.660		
1,995.0	1,995.0	2,002.2	2,001.5	5.3	6.7	-92.57	-20.2	-449.1	449.5	438.6	10.94	41.102		
2,000.0	2,000.0	2,007.1	2,006.5	5.3	6.7	-92.59	-20.3	-449.1	449.6	438.6	10.95	41.071		
2,090.0	2,090.0	2,098.0	2,097.4	5.5	6.9	-92.91	-22.9	-449.6	450.1	439.0	11.19	40.235		
2,100.0	2,100.0	2,108.8	2,108.1	5.5	6.9	-92.94	-23.1	-449.6	450.2	439.0	11.22	40.134		
2,185.0	2,185.0	2,202.9	2,202.2	5.6	7.1	-93.17	-24.9	-448.9	449.7	438.2	11.47	39.209		
2,200.0	2,200.0	2,220.5	2,219.9	5.6	7.1	-93.21	-25.1	-448.5	449.4	437.9	11.52	39.006		
2,280.0	2,280.0	2,312.3	2,311.5	5.7	7.3	-93.41	-26.5	-445.0	446.3	434.5	11.79	37.856		
2,300.0	2,300.0	2,334.6	2,333.8	5.7	7.4	-93.46	-26.8	-443.8	445.2	433.4	11.86	37.554		
2,375.0	2,375.0	2,402.9	2,402.0	5.8	7.6	-93.64	-28.0	-440.0	441.2	429.1	12.10	36.470		
2,400.0	2,400.0	2,423.3	2,422.4	5.9	7.6	-93.71	-28.5	-439.2	440.3	428.2	12.18	36.160		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,470.0	2,470.0	2,482.3	2,481.3	6.0	7.8	-93.95	-30.3	-438.1	439.2	426.8	12.38	35.466	
2,487.7	2,487.7	2,497.7	2,496.8	6.0	7.8	-94.02	-30.8	-438.1	439.1	426.7	12.43	35.324 CC	
2,500.0	2,500.0	2,508.5	2,507.5	6.0	7.8	-94.07	-31.2	-438.1	439.2	426.7	12.47	35.230 ES	
2,565.0	2,565.0	2,565.6	2,564.5	6.1	8.0	-94.34	-33.3	-438.6	440.0	427.4	12.63	34.846	
2,600.0	2,600.0	2,596.6	2,595.5	6.1	8.0	-94.48	-34.5	-439.4	440.9	428.2	12.69	34.735	
2,660.0	2,660.0	2,650.2	2,649.0	6.2	8.1	-94.72	-36.4	-441.3	443.2	430.4	12.81	34.612	
2,700.0	2,700.0	2,691.3	2,690.2	6.3	8.2	-94.89	-37.9	-443.0	445.0	432.1	12.88	34.545	
2,755.0	2,755.0	2,747.0	2,745.7	6.3	8.2	-95.11	-39.8	-445.1	447.2	434.2	12.98	34.445	
2,800.0	2,800.0	2,786.8	2,785.5	6.4	8.3	-95.25	-41.1	-446.8	449.3	436.3	13.07	34.392	
2,850.0	2,850.0	2,835.0	2,833.6	6.4	8.4	-95.40	-42.5	-449.6	452.3	439.1	13.16	34.365	
2,900.0	2,900.0	2,876.8	2,875.2	6.5	8.4	-95.51	-43.7	-452.4	455.8	442.5	13.25	34.410	
2,945.0	2,945.0	2,918.0	2,916.3	6.6	8.4	-95.62	-44.8	-455.5	459.3	446.0	13.33	34.463	
3,000.0	3,000.0	2,969.3	2,967.4	6.6	8.5	-95.75	-46.3	-459.8	464.0	450.6	13.44	34.538	
3,040.0	3,040.0	3,006.7	3,004.7	6.7	8.5	-95.85	-47.4	-463.2	467.7	454.2	13.52	34.608	
3,100.0	3,100.0	3,066.8	3,064.4	6.7	8.5	-95.99	-49.2	-468.8	473.5	459.9	13.65	34.679	
3,135.0	3,135.0	3,103.0	3,100.5	6.8	8.6	-96.08	-50.3	-472.1	476.8	463.0	13.74	34.702	
3,200.0	3,200.0	3,168.5	3,165.7	6.9	8.7	-96.26	-52.4	-477.8	482.6	468.7	13.90	34.714	
3,230.0	3,230.0	3,198.4	3,195.5	6.9	8.7	-96.34	-53.4	-480.4	485.3	471.3	13.98	34.718	
3,300.0	3,300.0	3,268.9	3,265.7	7.0	8.8	-96.54	-55.7	-486.5	491.6	477.4	14.17	34.693	
3,325.0	3,325.0	3,294.1	3,290.8	7.0	8.8	-96.60	-56.5	-488.6	493.8	479.5	14.24	34.684	
3,400.0	3,400.0	3,369.9	3,366.3	7.1	8.9	-96.79	-58.9	-494.9	500.3	485.8	14.45	34.629	
3,420.0	3,420.0	3,390.1	3,386.4	7.1	9.0	-96.84	-59.6	-496.6	502.0	487.5	14.51	34.606	
3,500.0	3,500.0	3,471.0	3,467.0	7.2	9.1	-97.04	-62.1	-503.1	508.7	493.9	14.75	34.490	
3,515.0	3,515.0	3,486.2	3,482.2	7.2	9.1	-97.07	-62.6	-504.3	509.9	495.1	14.80	34.466	
3,600.0	3,600.0	3,571.5	3,567.2	7.3	9.3	-97.27	-65.2	-511.0	516.9	501.8	15.06	34.317	
3,610.0	3,610.0	3,581.6	3,577.2	7.3	9.3	-97.29	-65.5	-511.8	517.7	502.6	15.09	34.299	
3,700.0	3,700.0	3,670.7	3,666.0	7.4	9.5	-97.49	-68.2	-518.8	525.0	509.6	15.38	34.129	
3,705.0	3,705.0	3,675.7	3,670.9	7.4	9.5	-97.50	-68.3	-519.1	525.4	510.0	15.40	34.120	
3,800.0	3,800.0	3,760.0	3,754.9	7.5	9.7	-97.71	-71.3	-526.4	534.0	518.3	15.70	34.006	
3,895.0	3,895.0	3,851.9	3,846.3	7.7	9.9	-97.98	-75.1	-535.8	544.1	528.1	16.04	33.928	
3,900.0	3,900.0	3,857.0	3,851.3	7.7	10.0	-97.99	-75.3	-536.3	544.6	528.6	16.06	33.922	
3,990.0	3,990.0	3,945.7	3,939.5	7.8	10.2	-98.24	-79.0	-545.3	554.2	537.8	16.38	33.825	
4,000.0	4,000.0	3,955.5	3,949.2	7.8	10.2	-98.27	-79.4	-546.3	555.3	538.9	16.42	33.815	
4,085.0	4,085.0	4,041.4	4,034.6	7.9	10.4	-98.52	-83.1	-555.1	564.4	547.6	16.75	33.696	
4,100.0	4,100.0	4,056.7	4,049.8	7.9	10.5	-98.56	-83.8	-556.6	566.0	549.2	16.81	33.672	
4,180.0	4,180.0	4,139.4	4,132.1	8.0	10.7	-98.81	-87.5	-564.6	574.1	557.0	17.13	33.515	
4,200.0	4,200.0	4,160.2	4,152.7	8.0	10.8	-98.87	-88.4	-566.5	576.1	558.9	17.21	33.471	
4,275.0	4,275.0	4,236.6	4,228.8	8.1	11.0	-99.11	-91.9	-573.4	583.3	565.8	17.52	33.303	
4,300.0	4,300.0	4,261.9	4,253.9	8.1	11.1	-99.19	-93.1	-575.6	585.7	568.1	17.62	33.246	
4,370.0	4,370.0	4,330.7	4,322.3	8.2	11.3	-99.42	-96.5	-581.7	592.4	574.5	17.90	33.098	
4,400.0	4,400.0	4,360.2	4,351.7	8.2	11.4	-99.52	-98.0	-584.3	595.2	577.2	18.02	33.036	
4,465.0	4,465.0	4,424.3	4,415.5	8.3	11.6	-99.76	-101.4	-590.0	601.5	583.3	18.28	32.900	
4,500.0	4,500.0	4,459.3	4,450.3	8.3	11.7	-99.89	-103.4	-593.1	605.0	586.5	18.43	32.824	
4,560.0	4,560.0	4,521.0	4,511.6	8.4	11.9	-100.14	-107.0	-598.5	610.7	592.0	18.69	32.677	
4,600.0	4,600.0	4,561.9	4,552.3	8.4	12.0	-100.30	-109.4	-601.9	614.4	595.6	18.86	32.577	
4,655.0	4,655.0	4,618.0	4,608.1	8.5	12.2	-100.54	-112.8	-606.5	619.5	600.4	19.10	32.436	
4,700.0	4,700.0	4,664.0	4,653.9	8.5	12.4	-100.74	-115.7	-610.2	623.5	604.2	19.29	32.317	
4,750.0	4,750.0	4,715.3	4,705.0	8.6	12.6	-100.97	-119.0	-614.1	627.9	608.3	19.51	32.181	
4,800.0	4,800.0	4,765.9	4,755.3	8.6	12.7	-101.19	-122.3	-617.9	632.1	612.4	19.73	32.047	
4,845.0	4,845.0	4,811.1	4,800.3	8.7	12.9	-101.40	-125.3	-621.2	636.0	616.0	19.92	31.929	
4,900.0	4,900.0	4,865.6	4,854.5	8.7	13.1	-101.66	-129.0	-625.1	640.6	620.5	20.15	31.788	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)			
10,070.0	10,070.0	9,521.0	9,409.4	13.7	27.5	-93.82	-72.5	-1,086.0	1,278.0	1,239.4	38.60	33.109		
10,085.5	10,085.5	9,521.0	9,409.4	13.8	27.5	-93.82	-72.5	-1,086.0	1,286.2	1,247.5	38.63	33.298		
10,100.0	10,100.0	9,535.5	9,418.1	13.8	27.5	-89.14	-62.4	-1,092.0	1,293.8	1,255.2	38.57	33.541		
10,125.0	10,125.0	9,544.0	9,422.9	13.8	27.5	-86.92	-56.5	-1,095.4	1,307.2	1,268.7	38.58	33.885		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	3.0	3.0	89.64	0.2	30.0	30.0					
95.0	95.0	94.5	94.5	3.0	3.0	89.64	0.2	30.0	30.0	23.9	6.05	4.952		
100.0	100.0	99.5	99.5	3.0	3.0	89.64	0.2	30.0	30.0	23.9	6.06	4.947		
190.0	190.0	189.5	189.5	3.1	3.1	89.64	0.2	30.0	30.0	23.7	6.27	4.780		
200.0	200.0	199.5	199.5	3.2	3.2	89.64	0.2	30.0	30.0	23.7	6.30	4.755		
285.0	285.0	284.5	284.5	3.3	3.3	89.64	0.2	30.0	30.0	23.5	6.50	4.611		
300.0	300.0	299.5	299.5	3.3	3.3	89.64	0.2	30.0	30.0	23.4	6.54	4.584		
380.0	380.0	379.5	379.5	3.4	3.4	89.64	0.2	30.0	30.0	23.2	6.72	4.461		
400.0	400.0	399.5	399.5	3.4	3.4	89.64	0.2	30.0	30.0	23.2	6.76	4.430		
475.0	475.0	474.5	474.5	3.5	3.5	89.64	0.2	30.0	30.0	23.0	6.93	4.325		
500.0	500.0	499.5	499.5	3.5	3.5	89.64	0.2	30.0	30.0	23.0	6.98	4.290		
570.0	570.0	569.5	569.5	3.6	3.6	89.64	0.2	30.0	30.0	22.8	7.13	4.201		
600.0	600.0	599.5	599.5	3.6	3.6	89.64	0.2	30.0	30.0	22.8	7.20	4.163		
665.0	665.0	664.5	664.5	3.7	3.7	89.64	0.2	30.0	30.0	22.6	7.33	4.087		
700.0	700.0	699.5	699.5	3.8	3.8	89.64	0.2	30.0	30.0	22.6	7.40	4.046		
760.0	760.0	759.5	759.5	3.8	3.8	89.64	0.2	30.0	30.0	22.4	7.52	3.982		
800.0	800.0	799.5	799.5	3.9	3.9	89.64	0.2	30.0	30.0	22.4	7.61	3.939		
855.0	855.0	854.5	854.5	4.0	4.0	89.64	0.2	30.0	30.0	22.2	7.71	3.885		
900.0	900.0	899.5	899.5	4.0	4.0	89.64	0.2	30.0	30.0	22.2	7.80	3.840		
950.0	950.0	949.5	949.5	4.1	4.1	89.64	0.2	30.0	30.0	22.1	7.90	3.794		
1,000.0	1,000.0	999.5	999.5	4.1	4.1	89.64	0.2	30.0	30.0	22.0	7.99	3.748		
1,045.0	1,045.0	1,044.5	1,044.5	4.2	4.2	89.64	0.2	30.0	30.0	21.9	8.08	3.709		
1,100.0	1,100.0	1,099.5	1,099.5	4.3	4.3	89.64	0.2	30.0	30.0	21.8	8.18	3.662		
1,140.0	1,140.0	1,139.5	1,139.5	4.3	4.3	89.64	0.2	30.0	30.0	21.7	8.25	3.630		
1,200.0	1,200.0	1,199.5	1,199.5	4.4	4.4	89.64	0.2	30.0	30.0	21.6	8.36	3.582		
1,235.0	1,235.0	1,234.5	1,234.5	4.4	4.4	89.64	0.2	30.0	30.0	21.5	8.43	3.556		
1,300.0	1,300.0	1,299.5	1,299.5	4.5	4.5	89.64	0.2	30.0	30.0	21.4	8.54	3.507		
1,330.0	1,330.0	1,329.5	1,329.5	4.5	4.5	89.64	0.2	30.0	30.0	21.4	8.59	3.486		
1,400.0	1,400.0	1,399.5	1,399.5	4.6	4.6	89.64	0.2	30.0	30.0	21.2	8.72	3.437		
1,425.0	1,425.0	1,424.5	1,424.5	4.6	4.6	89.64	0.2	30.0	30.0	21.2	8.76	3.420		
1,500.0	1,500.0	1,499.5	1,499.5	4.7	4.7	89.64	0.2	30.0	30.0	21.1	8.89	3.370 CC, ES		
1,520.0	1,520.0	1,519.3	1,519.3	4.8	4.7	89.63	0.2	30.0	30.0	21.1	8.94	3.357 SF		
1,600.0	1,600.0	1,598.4	1,598.4	4.8	4.8	89.43	0.3	31.6	31.7	22.5	9.16	3.457		
1,615.0	1,615.0	1,613.3	1,613.2	4.9	4.8	89.37	0.4	32.2	32.2	23.0	9.21	3.498		
1,700.0	1,700.0	1,697.1	1,697.0	5.0	5.0	88.93	0.7	36.7	36.8	27.3	9.51	3.872		
1,710.0	1,710.0	1,707.0	1,706.8	5.0	5.0	88.87	0.7	37.4	37.5	28.0	9.54	3.932		
1,800.0	1,800.0	1,795.4	1,794.8	5.1	5.2	88.34	1.3	45.1	45.4	35.5	9.86	4.603		
1,805.0	1,805.0	1,800.0	1,799.5	5.1	5.2	88.32	1.3	45.6	45.9	36.0	9.87	4.650		
1,900.0	1,900.0	1,893.3	1,892.0	5.2	5.4	87.82	2.2	56.8	57.3	47.2	10.12	5.664		
1,995.0	1,995.0	1,987.4	1,985.4	5.3	5.6	87.46	3.1	69.0	69.7	59.3	10.42	6.690		
2,000.0	2,000.0	1,992.4	1,990.3	5.3	5.6	87.45	3.1	69.7	70.4	59.9	10.44	6.742		
2,090.0	2,090.0	2,081.6	2,078.8	5.5	5.9	87.21	4.0	81.3	82.1	71.3	10.82	7.590		
2,100.0	2,100.0	2,091.5	2,088.6	5.5	5.9	87.19	4.1	82.6	83.4	72.5	10.86	7.680		
2,185.0	2,185.0	2,175.8	2,172.2	5.6	6.1	87.03	4.9	93.6	94.5	83.3	11.22	8.418		
2,200.0	2,200.0	2,190.7	2,186.9	5.6	6.2	87.00	5.0	95.5	96.5	85.2	11.29	8.543		
2,280.0	2,280.0	2,270.0	2,265.6	5.7	6.4	86.88	5.8	105.8	106.9	95.2	11.64	9.181		
2,300.0	2,300.0	2,289.8	2,285.2	5.7	6.5	86.86	6.0	108.4	109.5	97.8	11.73	9.334		
2,375.0	2,375.0	2,364.2	2,358.9	5.8	6.7	86.77	6.7	118.1	119.3	107.2	12.07	9.882		
2,400.0	2,400.0	2,389.0	2,383.5	5.9	6.8	86.75	6.9	121.3	122.6	110.4	12.19	10.057		
2,470.0	2,470.0	2,458.4	2,452.3	6.0	7.0	86.68	7.6	130.3	131.7	119.2	12.51	10.528		
2,500.0	2,500.0	2,488.1	2,481.8	6.0	7.1	86.65	7.8	134.2	135.6	123.0	12.65	10.721		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-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)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
11,500.0	10,565.1	11,307.1	10,374.4	16.2	21.8	68.80	1,145.2	457.4	525.9	486.5	39.42	13.340		
11,590.0	10,565.3	11,397.1	10,374.7	16.6	22.1	68.81	1,235.2	456.8	525.9	485.8	40.08	13.122		
11,600.0	10,565.4	11,407.1	10,374.8	16.7	22.1	68.81	1,245.2	456.7	525.9	485.7	40.15	13.097		
11,685.0	10,565.6	11,492.1	10,375.1	17.1	22.4	68.82	1,330.2	456.1	525.8	485.0	40.81	12.887		
11,700.0	10,565.7	11,507.1	10,375.2	17.1	22.5	68.82	1,345.2	456.0	525.8	484.9	40.92	12.850		
11,780.0	10,565.9	11,587.1	10,375.5	17.5	22.8	68.82	1,425.2	455.5	525.8	484.2	41.57	12.648		
11,800.0	10,566.0	11,607.1	10,375.5	17.6	22.8	68.82	1,445.2	455.4	525.8	484.1	41.74	12.598		
11,875.0	10,566.2	11,682.1	10,375.8	18.0	23.1	68.83	1,520.2	454.9	525.8	483.4	42.38	12.408		
11,900.0	10,566.3	11,707.1	10,375.9	18.1	23.2	68.83	1,545.2	454.7	525.8	483.2	42.59	12.345		
11,970.0	10,566.5	11,777.1	10,376.2	18.5	23.5	68.83	1,615.2	454.2	525.8	482.6	43.21	12.167		
12,000.0	10,566.6	11,807.1	10,376.3	18.6	23.6	68.84	1,645.2	454.0	525.8	482.3	43.48	12.091		
12,065.0	10,566.8	11,872.1	10,376.5	19.0	23.9	68.84	1,710.2	453.6	525.7	481.7	44.08	11.926		
12,100.0	10,566.9	11,907.1	10,376.7	19.2	24.0	68.84	1,745.2	453.3	525.7	481.3	44.41	11.839		
12,160.0	10,567.1	11,967.1	10,376.9	19.5	24.3	68.85	1,805.2	452.9	525.7	480.7	44.98	11.687		
12,200.0	10,567.2	12,007.1	10,377.0	19.7	24.5	68.85	1,845.2	452.7	525.7	480.3	45.37	11.588		
12,255.0	10,567.4	12,062.1	10,377.2	20.0	24.7	68.85	1,900.2	452.3	525.7	479.8	45.91	11.450		
12,300.0	10,567.5	12,107.1	10,377.4	20.3	24.9	68.86	1,945.2	452.0	525.7	479.3	46.36	11.340		
12,350.0	10,567.7	12,157.1	10,377.6	20.6	25.2	68.86	1,995.2	451.7	525.7	478.8	46.86	11.217		
12,400.0	10,567.8	12,207.1	10,377.8	20.9	25.4	68.86	2,045.2	451.3	525.7	478.3	47.37	11.096		
12,445.0	10,568.0	12,252.1	10,378.0	21.1	25.6	68.87	2,090.2	451.0	525.6	477.8	47.84	10.987		
12,500.0	10,568.1	12,307.1	10,378.2	21.4	25.9	68.87	2,145.2	450.6	525.6	477.2	48.42	10.856		
12,540.0	10,568.3	12,347.1	10,378.3	21.7	26.1	68.87	2,185.2	450.4	525.6	476.8	48.85	10.761		
12,600.0	10,568.5	12,407.1	10,378.6	22.0	26.4	68.88	2,245.2	450.0	525.6	476.1	49.49	10.621		
12,635.0	10,568.6	12,442.1	10,378.7	22.2	26.6	68.88	2,280.2	449.7	525.6	475.7	49.87	10.539		
12,700.0	10,568.8	12,507.1	10,378.9	22.6	26.9	68.89	2,345.2	449.3	525.6	475.0	50.58	10.390		
12,730.0	10,568.9	12,537.1	10,379.0	22.8	27.0	68.89	2,375.2	449.1	525.6	474.7	50.92	10.322		
12,800.0	10,569.1	12,607.1	10,379.3	23.3	27.4	68.89	2,445.2	448.6	525.6	473.9	51.70	10.166		
12,825.0	10,569.1	12,632.1	10,379.4	23.4	27.5	68.89	2,470.2	448.5	525.6	473.6	51.98	10.110		
12,900.0	10,569.4	12,707.1	10,379.7	23.9	27.9	68.90	2,545.1	448.0	525.5	472.7	52.84	9.946		
12,920.0	10,569.4	12,727.1	10,379.8	24.0	28.0	68.90	2,565.1	447.8	525.5	472.5	53.07	9.903		
13,000.0	10,569.7	12,807.1	10,380.1	24.5	28.5	68.91	2,645.1	447.3	525.5	471.5	53.99	9.733		
13,015.0	10,569.7	12,822.1	10,380.1	24.6	28.6	68.91	2,660.1	447.2	525.5	471.3	54.17	9.701		
13,100.0	10,570.0	12,907.1	10,380.4	25.2	29.0	68.91	2,745.1	446.6	525.5	470.3	55.17	9.525		
13,110.0	10,570.0	12,917.1	10,380.5	25.2	29.1	68.91	2,755.1	446.5	525.5	470.2	55.29	9.505		
13,200.0	10,570.3	13,007.1	10,380.8	25.8	29.6	68.92	2,845.1	445.9	525.5	469.1	56.36	9.324		
13,205.0	10,570.3	13,012.1	10,380.8	25.8	29.6	68.92	2,850.1	445.9	525.5	469.0	56.42	9.314		
13,300.0	10,570.6	13,107.1	10,381.2	26.5	30.2	68.93	2,945.1	445.3	525.4	467.9	57.56	9.128		
13,395.0	10,570.9	13,202.1	10,381.5	27.1	30.7	68.93	3,040.1	444.6	525.4	466.7	58.73	8.947		
13,400.0	10,570.9	13,207.1	10,381.6	27.1	30.7	68.93	3,045.1	444.6	525.4	466.6	58.79	8.937		
13,490.0	10,571.2	13,297.1	10,381.9	27.7	31.3	68.94	3,135.1	444.0	525.4	465.5	59.90	8.771		
13,500.0	10,571.2	13,307.1	10,381.9	27.8	31.3	68.94	3,145.1	443.9	525.4	465.4	60.02	8.753		
13,585.0	10,571.5	13,392.1	10,382.3	28.4	31.8	68.95	3,230.1	443.3	525.4	464.3	61.09	8.600		
13,600.0	10,571.5	13,407.1	10,382.3	28.5	31.9	68.95	3,245.1	443.2	525.3	464.1	61.27	8.574		
13,680.0	10,571.8	13,487.1	10,382.6	29.0	32.4	68.95	3,325.1	442.7	525.3	463.0	62.28	8.435		
13,700.0	10,571.8	13,507.1	10,382.7	29.1	32.5	68.95	3,345.1	442.6	525.3	462.8	62.54	8.400		
13,775.0	10,572.1	13,582.1	10,383.0	29.6	33.0	68.96	3,420.1	442.0	525.3	461.8	63.49	8.274		
13,800.0	10,572.2	13,607.1	10,383.1	29.8	33.1	68.96	3,445.1	441.9	525.3	461.5	63.81	8.232		
13,870.0	10,572.4	13,677.1	10,383.3	30.3	33.6	68.97	3,515.1	441.4	525.3	460.6	64.71	8.118		
13,900.0	10,572.5	13,707.1	10,383.5	30.5	33.7	68.97	3,545.1	441.2	525.3	460.2	65.09	8.069		
13,965.0	10,572.7	13,772.1	10,383.7	30.9	34.2	68.97	3,610.1	440.8	525.3	459.3	65.94	7.966		
14,000.0	10,572.8	13,807.1	10,383.8	31.2	34.4	68.97	3,645.1	440.5	525.2	458.9	66.39	7.912		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference Offset				Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,060.0	10,573.0	13,867.1	10,384.1	31.6	34.7	68.98	3,705.1	440.1	525.2	458.1	67.17	7.819		
14,100.0	10,573.1	13,907.1	10,384.2	31.9	35.0	68.98	3,745.1	439.9	525.2	457.5	67.70	7.759		
14,155.0	10,573.3	13,962.1	10,384.4	32.3	35.3	68.99	3,800.1	439.5	525.2	456.8	68.42	7.676		
14,200.0	10,573.4	14,007.1	10,384.6	32.6	35.6	68.99	3,845.1	439.2	525.2	456.2	69.01	7.610		
14,250.0	10,573.5	14,057.1	10,384.8	32.9	35.9	68.99	3,895.1	438.8	525.2	455.5	69.67	7.538		
14,300.0	10,573.7	14,107.1	10,385.0	33.3	36.3	69.00	3,945.1	438.5	525.2	454.8	70.33	7.467		
14,345.0	10,573.8	14,152.1	10,385.1	33.6	36.5	69.00	3,990.1	438.2	525.2	454.2	70.93	7.404		
14,400.0	10,574.0	14,207.1	10,385.3	34.0	36.9	69.00	4,045.1	437.8	525.1	453.5	71.67	7.328		
14,440.0	10,574.1	14,247.1	10,385.5	34.2	37.2	69.01	4,085.1	437.6	525.1	452.9	72.20	7.273		
14,500.0	10,574.3	14,307.1	10,385.7	34.7	37.5	69.01	4,145.1	437.2	525.1	452.1	73.00	7.193		
14,535.0	10,574.4	14,342.1	10,385.8	34.9	37.8	69.01	4,180.1	436.9	525.1	451.6	73.48	7.147		
14,600.0	10,574.6	14,407.1	10,386.1	35.4	38.2	69.02	4,245.1	436.5	525.1	450.7	74.35	7.062		
14,630.0	10,574.7	14,437.1	10,386.2	35.6	38.4	69.02	4,275.1	436.3	525.1	450.3	74.76	7.024		
14,700.0	10,574.9	14,507.1	10,386.5	36.1	38.9	69.02	4,345.1	435.8	525.1	449.4	75.71	6.936		
14,725.0	10,575.0	14,532.1	10,386.6	36.3	39.0	69.02	4,370.1	435.6	525.1	449.0	76.05	6.905		
14,800.0	10,575.2	14,607.1	10,386.8	36.8	39.5	69.03	4,445.1	435.1	525.0	448.0	77.07	6.813		
14,820.0	10,575.3	14,627.1	10,386.9	36.9	39.6	69.03	4,465.1	435.0	525.0	447.7	77.34	6.789		
14,900.0	10,575.6	14,707.1	10,387.2	37.5	40.2	69.04	4,545.1	434.5	525.0	446.6	78.43	6.694		
14,915.0	10,575.6	14,722.1	10,387.3	37.6	40.3	69.04	4,560.1	434.4	525.0	446.4	78.64	6.676		
15,000.0	10,575.9	14,807.1	10,387.6	38.2	40.8	69.04	4,645.1	433.8	525.0	445.2	79.81	6.578		
15,010.0	10,575.9	14,817.1	10,387.6	38.3	40.9	69.04	4,655.1	433.7	525.0	445.0	79.94	6.567		
15,100.0	10,576.2	14,907.1	10,388.0	38.9	41.5	69.05	4,745.1	433.1	525.0	443.8	81.19	6.466		
15,105.0	10,576.2	14,912.1	10,388.0	39.0	41.5	69.05	4,750.1	433.1	525.0	443.7	81.25	6.461		
15,200.0	10,576.5	15,007.1	10,388.4	39.6	42.2	69.06	4,845.1	432.4	524.9	442.4	82.57	6.358		
15,295.0	10,576.8	15,102.1	10,388.7	40.3	42.8	69.06	4,940.1	431.8	524.9	441.0	83.89	6.257		
15,300.0	10,576.8	15,107.1	10,388.7	40.4	42.9	69.06	4,945.1	431.8	524.9	441.0	83.96	6.252		
15,390.0	10,577.1	15,197.1	10,389.1	41.0	43.5	69.07	5,035.1	431.2	524.9	439.7	85.21	6.160		
15,400.0	10,577.1	15,207.1	10,389.1	41.1	43.5	69.07	5,045.1	431.1	524.9	439.5	85.35	6.150		
15,485.0	10,577.4	15,292.1	10,389.4	41.7	44.1	69.08	5,130.1	430.5	524.9	438.3	86.54	6.065		
15,500.0	10,577.4	15,307.1	10,389.5	41.8	44.2	69.08	5,145.1	430.4	524.9	438.1	86.75	6.050		
15,580.0	10,577.7	15,387.1	10,389.8	42.4	44.8	69.08	5,225.1	429.9	524.8	437.0	87.87	5.973		
15,600.0	10,577.7	15,407.1	10,389.9	42.5	44.9	69.09	5,245.1	429.7	524.8	436.7	88.16	5.954		
15,675.0	10,577.9	15,482.1	10,390.1	43.1	45.4	69.09	5,320.1	429.2	524.8	435.6	89.21	5.883		
15,700.0	10,578.0	15,507.1	10,390.2	43.3	45.6	69.09	5,345.1	429.1	524.8	435.2	89.56	5.860		
15,770.0	10,578.2	15,577.1	10,390.5	43.8	46.1	69.10	5,415.1	428.6	524.8	434.2	90.55	5.796		
15,800.0	10,578.3	15,607.1	10,390.6	44.0	46.3	69.10	5,445.1	428.4	524.8	433.8	90.97	5.768		
15,865.0	10,578.5	15,672.1	10,390.9	44.5	46.7	69.10	5,510.1	428.0	524.8	432.9	91.89	5.711		
15,900.0	10,578.6	15,707.1	10,391.0	44.7	47.0	69.11	5,545.1	427.7	524.8	432.4	92.39	5.680		
15,960.0	10,578.8	15,767.1	10,391.2	45.1	47.4	69.11	5,605.1	427.3	524.7	431.5	93.24	5.628		
16,000.0	10,578.9	15,807.1	10,391.4	45.4	47.7	69.11	5,645.1	427.0	524.7	430.9	93.81	5.594		
16,055.0	10,579.1	15,862.1	10,391.6	45.8	48.0	69.12	5,700.1	426.7	524.7	430.1	94.59	5.547		
16,100.0	10,579.3	15,907.1	10,391.7	46.2	48.3	69.12	5,745.1	426.4	524.7	429.5	95.23	5.510		
16,150.0	10,579.4	15,957.1	10,391.9	46.5	48.7	69.12	5,795.1	426.0	524.7	428.7	95.94	5.469		
16,200.0	10,579.6	16,007.1	10,392.1	46.9	49.0	69.13	5,845.0	425.7	524.7	428.0	96.66	5.428		
16,245.0	10,579.7	16,052.1	10,392.3	47.2	49.4	69.13	5,890.0	425.4	524.7	427.4	97.30	5.392		
16,300.0	10,579.9	16,107.1	10,392.5	47.6	49.7	69.13	5,945.0	425.0	524.7	426.6	98.09	5.349		
16,340.0	10,580.0	16,147.1	10,392.6	47.9	50.0	69.14	5,985.0	424.8	524.6	426.0	98.66	5.318		
16,400.0	10,580.2	16,207.1	10,392.9	48.4	50.4	69.14	6,045.0	424.3	524.6	425.1	99.52	5.272		
16,435.0	10,580.3	16,242.1	10,393.0	48.6	50.7	69.14	6,080.0	424.1	524.6	424.6	100.02	5.245		
16,500.0	10,580.5	16,307.1	10,393.3	49.1	51.1	69.15	6,145.0	423.7	524.6	423.6	100.96	5.196		
16,530.0	10,580.6	16,337.1	10,393.4	49.3	51.4	69.15	6,175.0	423.5	524.6	423.2	101.39	5.174		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Between	Between	Minimum	Separation	Warning
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W		Centres	Ellipses	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)		(usft)	(usft)	(usft)		
16,600.0	10,580.8	16,407.1	10,393.6	49.8	51.9	69.15	6,245.0	423.0		524.6	422.2	102.39	5.123	
16,625.0	10,580.9	16,432.1	10,393.7	50.0	52.0	69.16	6,270.0	422.8		524.6	421.8	102.75	5.105	
16,700.0	10,581.1	16,507.1	10,394.0	50.6	52.6	69.16	6,345.0	422.3		524.6	420.7	103.83	5.052	
16,720.0	10,581.2	16,527.1	10,394.1	50.7	52.7	69.16	6,365.0	422.2		524.5	420.4	104.12	5.038	
16,800.0	10,581.4	16,607.1	10,394.4	51.3	53.3	69.17	6,445.0	421.6		524.5	419.2	105.28	4.982	
16,815.0	10,581.5	16,622.1	10,394.4	51.4	53.4	69.17	6,460.0	421.5		524.5	419.0	105.50	4.972	
16,900.0	10,581.7	16,707.1	10,394.8	52.0	54.0	69.17	6,545.0	421.0		524.5	417.8	106.72	4.915	
16,910.0	10,581.8	16,717.1	10,394.8	52.1	54.0	69.18	6,555.0	420.9		524.5	417.6	106.87	4.908	
17,000.0	10,582.0	16,807.1	10,395.1	52.8	54.7	69.18	6,645.0	420.3		524.5	416.3	108.17	4.848	
17,005.0	10,582.1	16,812.1	10,395.2	52.8	54.7	69.18	6,650.0	420.3		524.5	416.2	108.25	4.845	
17,100.0	10,582.3	16,907.1	10,395.5	53.5	55.4	69.19	6,745.0	419.6		524.4	414.8	109.62	4.784	
17,195.0	10,582.6	17,002.1	10,395.9	54.2	56.1	69.20	6,840.0	419.0		524.4	413.4	111.00	4.724	
17,200.0	10,582.7	17,007.1	10,395.9	54.3	56.1	69.20	6,845.0	419.0		524.4	413.3	111.08	4.721	
17,290.0	10,582.9	17,097.1	10,396.2	54.9	56.8	69.20	6,935.0	418.3		524.4	412.0	112.39	4.666	
17,300.0	10,583.0	17,107.1	10,396.3	55.0	56.8	69.20	6,945.0	418.3		524.4	411.9	112.53	4.660	
17,385.0	10,583.2	17,192.1	10,396.6	55.6	57.4	69.21	7,030.0	417.7		524.4	410.6	113.77	4.609	
17,400.0	10,583.3	17,207.1	10,396.6	55.7	57.5	69.21	7,045.0	417.6		524.4	410.4	113.99	4.600	
17,480.0	10,583.5	17,287.1	10,396.9	56.3	58.1	69.22	7,125.0	417.1		524.4	409.2	115.16	4.553	
17,500.0	10,583.6	17,307.1	10,397.0	56.5	58.3	69.22	7,145.0	416.9		524.3	408.9	115.45	4.542	
17,575.0	10,583.8	17,382.1	10,397.3	57.0	58.8	69.22	7,220.0	416.4		524.3	407.8	116.54	4.499	
17,600.0	10,583.9	17,407.1	10,397.4	57.2	59.0	69.22	7,245.0	416.3		524.3	407.4	116.91	4.485	
17,670.0	10,584.1	17,477.1	10,397.7	57.7	59.5	69.23	7,315.0	415.8		524.3	406.4	117.93	4.446	
17,700.0	10,584.2	17,507.1	10,397.8	58.0	59.7	69.23	7,345.0	415.6		524.3	405.9	118.37	4.429	
17,765.0	10,584.4	17,572.1	10,398.0	58.5	60.2	69.23	7,410.0	415.1		524.3	405.0	119.32	4.394	
17,800.0	10,584.5	17,607.1	10,398.2	58.7	60.4	69.24	7,445.0	414.9		524.3	404.4	119.84	4.375	
17,860.0	10,584.7	17,667.1	10,398.4	59.2	60.9	69.24	7,505.0	414.5		524.3	403.5	120.72	4.343	
17,900.0	10,584.8	17,707.1	10,398.5	59.5	61.1	69.24	7,545.0	414.2		524.2	402.9	121.30	4.322	
17,955.0	10,585.0	17,762.1	10,398.7	59.9	61.5	69.25	7,600.0	413.9		524.2	402.1	122.11	4.293	
18,000.0	10,585.1	17,807.1	10,398.9	60.2	61.9	69.25	7,645.0	413.6		524.2	401.4	122.77	4.270	
18,050.0	10,585.3	17,857.1	10,399.1	60.6	62.2	69.25	7,695.0	413.2		524.2	400.7	123.51	4.244	
18,100.0	10,585.4	17,907.1	10,399.3	60.9	62.6	69.26	7,745.0	412.9		524.2	400.0	124.24	4.219	
18,145.0	10,585.6	17,952.1	10,399.5	61.3	62.9	69.26	7,790.0	412.6		524.2	399.3	124.90	4.197	
18,200.0	10,585.7	18,007.1	10,399.7	61.7	63.3	69.26	7,845.0	412.2		524.2	398.5	125.71	4.170	
18,233.9	10,585.8	18,041.0	10,399.8	61.9	63.6	69.27	7,878.8	412.0		524.2	397.9	126.21	4.153	
18,240.0	10,585.9	18,047.1	10,399.8	62.0	63.6	69.27	7,885.0	411.9		524.2	397.9	126.30	4.150	
18,283.9	10,586.0	18,091.0	10,400.0	62.3	63.9	69.27	7,928.9	411.6		524.1	397.2	126.94	4.129	
18,284.8	10,586.0	18,092.0	10,400.0	62.3	63.9	69.27	7,929.8	411.6		524.1	397.2	126.95	4.129	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.6	0.6	3.0	3.0	-90.25	-0.1	-30.0	30.0					
95.0	95.0	95.6	95.6	3.0	3.0	-90.25	-0.1	-30.0	30.0	23.9	6.05	4.958		
100.0	100.0	100.6	100.6	3.0	3.0	-90.25	-0.1	-30.0	30.0	23.9	6.06	4.953		
190.0	190.0	190.6	190.6	3.1	3.1	-90.25	-0.1	-30.0	30.0	23.7	6.27	4.785		
200.0	200.0	200.6	200.6	3.2	3.2	-90.25	-0.1	-30.0	30.0	23.7	6.30	4.761		
285.0	285.0	285.6	285.6	3.3	3.3	-90.25	-0.1	-30.0	30.0	23.5	6.50	4.617		
300.0	300.0	300.6	300.6	3.3	3.3	-90.25	-0.1	-30.0	30.0	23.5	6.54	4.589		
380.0	380.0	380.6	380.6	3.4	3.4	-90.25	-0.1	-30.0	30.0	23.3	6.72	4.467		
400.0	400.0	400.6	400.6	3.4	3.4	-90.25	-0.1	-30.0	30.0	23.2	6.76	4.435		
475.0	475.0	475.6	475.6	3.5	3.5	-90.25	-0.1	-30.0	30.0	23.1	6.93	4.330		
500.0	500.0	500.6	500.6	3.5	3.5	-90.25	-0.1	-30.0	30.0	23.0	6.98	4.295		
570.0	570.0	570.6	570.6	3.6	3.6	-90.25	-0.1	-30.0	30.0	22.9	7.13	4.206		
600.0	600.0	600.6	600.6	3.6	3.6	-90.25	-0.1	-30.0	30.0	22.8	7.20	4.168		
665.0	665.0	665.6	665.6	3.7	3.7	-90.25	-0.1	-30.0	30.0	22.7	7.33	4.092		
700.0	700.0	700.6	700.6	3.8	3.8	-90.25	-0.1	-30.0	30.0	22.6	7.41	4.051		
760.0	760.0	760.6	760.6	3.8	3.8	-90.25	-0.1	-30.0	30.0	22.5	7.53	3.987		
800.0	800.0	800.6	800.6	3.9	3.9	-90.25	-0.1	-30.0	30.0	22.4	7.61	3.944		
855.0	855.0	855.6	855.6	4.0	4.0	-90.25	-0.1	-30.0	30.0	22.3	7.71	3.889		
900.0	900.0	900.6	900.6	4.0	4.0	-90.25	-0.1	-30.0	30.0	22.2	7.80	3.845		
950.0	950.0	950.6	950.6	4.1	4.1	-90.25	-0.1	-30.0	30.0	22.1	7.90	3.798		
1,000.0	1,000.0	1,000.6	1,000.6	4.1	4.1	-90.25	-0.1	-30.0	30.0	22.0	7.99	3.753		
1,045.0	1,045.0	1,045.6	1,045.6	4.2	4.2	-90.25	-0.1	-30.0	30.0	21.9	8.08	3.714		
1,100.0	1,100.0	1,100.6	1,100.6	4.3	4.3	-90.25	-0.1	-30.0	30.0	21.8	8.18	3.667		
1,140.0	1,140.0	1,140.6	1,140.6	4.3	4.3	-90.25	-0.1	-30.0	30.0	21.7	8.25	3.635		
1,200.0	1,200.0	1,200.6	1,200.6	4.4	4.4	-90.25	-0.1	-30.0	30.0	21.6	8.36	3.587		
1,235.0	1,235.0	1,235.6	1,235.6	4.4	4.4	-90.25	-0.1	-30.0	30.0	21.6	8.43	3.560		
1,300.0	1,300.0	1,300.6	1,300.6	4.5	4.5	-90.25	-0.1	-30.0	30.0	21.5	8.54	3.512		
1,330.0	1,330.0	1,330.6	1,330.6	4.5	4.5	-90.25	-0.1	-30.0	30.0	21.4	8.60	3.490		
1,400.0	1,400.0	1,400.6	1,400.6	4.6	4.6	-90.25	-0.1	-30.0	30.0	21.3	8.72	3.441		
1,425.0	1,425.0	1,425.6	1,425.6	4.6	4.6	-90.25	-0.1	-30.0	30.0	21.2	8.76	3.424		
1,437.3	1,437.3	1,437.9	1,437.9	4.7	4.7	-90.25	-0.1	-30.0	30.0	21.2	8.78	3.416 CC		
1,500.0	1,500.0	1,500.6	1,500.6	4.7	4.7	-90.25	-0.1	-30.0	30.0	21.1	8.89	3.374 ES		
1,520.0	1,520.0	1,520.4	1,520.4	4.8	4.7	-90.24	-0.1	-30.1	30.1	21.1	8.95	3.362 SF		
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-90.05	0.0	-31.7	31.7	22.6	9.17	3.464		
1,615.0	1,615.0	1,614.3	1,614.3	4.9	4.8	-90.00	0.0	-32.3	32.3	23.1	9.21	3.506		
1,700.0	1,700.0	1,698.2	1,698.0	5.0	5.0	-89.59	0.3	-36.8	36.9	27.4	9.51	3.883		
1,710.0	1,710.0	1,708.1	1,707.9	5.0	5.0	-89.54	0.3	-37.5	37.6	28.1	9.55	3.943		
1,800.0	1,800.0	1,796.4	1,795.9	5.1	5.2	-89.05	0.7	-45.3	45.5	35.7	9.86	4.618		
1,805.0	1,805.0	1,801.3	1,800.8	5.1	5.2	-89.03	0.8	-45.8	46.1	36.2	9.88	4.662		
1,900.0	1,900.0	1,894.0	1,892.7	5.2	5.5	-88.57	1.4	-57.0	57.6	47.3	10.22	5.630		
1,995.0	1,995.0	1,987.9	1,985.8	5.3	5.7	-88.23	2.2	-70.0	70.8	60.2	10.53	6.719		
2,000.0	2,000.0	1,992.9	1,990.7	5.3	5.8	-88.21	2.2	-70.7	71.5	60.9	10.55	6.775		
2,090.0	2,090.0	2,082.0	2,078.9	5.5	6.0	-87.99	2.9	-83.1	84.0	73.1	10.93	7.686		
2,100.0	2,100.0	2,091.9	2,088.7	5.5	6.0	-87.97	3.0	-84.5	85.4	74.4	10.97	7.783		
2,185.0	2,185.0	2,176.1	2,172.1	5.6	6.2	-87.81	3.7	-96.2	97.2	85.9	11.33	8.577		
2,200.0	2,200.0	2,190.9	2,186.8	5.6	6.3	-87.79	3.8	-98.3	99.3	87.9	11.40	8.712		
2,280.0	2,280.0	2,270.1	2,265.2	5.7	6.5	-87.68	4.4	-109.3	110.4	98.7	11.75	9.398		
2,300.0	2,300.0	2,289.9	2,284.8	5.7	6.6	-87.66	4.6	-112.0	113.2	101.4	11.84	9.563		
2,375.0	2,375.0	2,364.2	2,358.4	5.8	6.8	-87.58	5.2	-122.3	123.6	111.5	12.18	10.154		
2,400.0	2,400.0	2,389.0	2,382.9	5.9	6.9	-87.55	5.4	-125.8	127.1	114.8	12.29	10.343		
2,470.0	2,470.0	2,458.3	2,451.6	6.0	7.1	-87.49	5.9	-135.4	136.9	124.3	12.61	10.850		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,500.0	2,488.0	2,481.0	6.0	7.2	-87.47	6.2	-139.5	141.0	128.3	12.75	11.058	
2,565.0	2,565.0	2,552.4	2,544.7	6.1	7.4	-87.43	6.7	-148.5	150.1	137.0	13.06	11.492	
2,600.0	2,600.0	2,587.0	2,579.0	6.1	7.5	-87.40	7.0	-153.3	155.0	141.7	13.23	11.716	
2,660.0	2,660.0	2,646.4	2,637.9	6.2	7.7	-87.37	7.4	-161.5	163.3	149.8	13.51	12.085	
2,700.0	2,700.0	2,686.0	2,677.1	6.3	7.9	-87.35	7.7	-167.1	168.9	155.2	13.71	12.322	
2,755.0	2,755.0	2,740.5	2,731.0	6.3	8.1	-87.32	8.2	-174.6	176.5	162.6	13.97	12.635	
2,800.0	2,800.0	2,785.1	2,775.2	6.4	8.2	-87.30	8.5	-180.8	182.8	168.6	14.19	12.881	
2,850.0	2,850.0	2,834.6	2,824.2	6.4	8.4	-87.28	8.9	-187.7	189.8	175.3	14.44	13.145	
2,900.0	2,900.0	2,884.1	2,873.2	6.5	8.6	-87.26	9.3	-194.6	196.7	182.0	14.68	13.398	
2,945.0	2,945.0	2,928.7	2,917.4	6.6	8.7	-87.24	9.7	-200.8	203.0	188.1	14.90	13.618	
3,000.0	3,000.0	2,983.1	2,971.3	6.6	8.9	-87.22	10.1	-208.3	210.6	195.4	15.18	13.877	
3,040.0	3,040.0	3,022.7	3,010.5	6.7	9.1	-87.21	10.4	-213.8	216.2	200.8	15.38	14.060	
3,100.0	3,100.0	3,082.2	3,069.4	6.7	9.3	-87.19	10.9	-222.1	224.5	208.9	15.68	14.323	
3,135.0	3,135.0	3,116.8	3,103.7	6.8	9.4	-87.18	11.2	-226.9	229.4	213.6	15.85	14.471	
3,200.0	3,200.0	3,181.2	3,167.4	6.9	9.7	-87.16	11.7	-235.8	238.5	222.3	16.18	14.737	
3,230.0	3,230.0	3,210.9	3,196.8	6.9	9.8	-87.15	11.9	-240.0	242.6	226.3	16.33	14.856	
3,300.0	3,300.0	3,280.2	3,265.5	7.0	10.1	-87.14	12.5	-249.6	252.4	235.7	16.69	15.124	
3,325.0	3,325.0	3,305.0	3,290.0	7.0	10.2	-87.13	12.7	-253.0	255.9	239.0	16.81	15.217	
3,400.0	3,400.0	3,379.2	3,363.5	7.1	10.5	-87.11	13.3	-263.4	266.3	249.1	17.20	15.485	
3,420.0	3,420.0	3,399.0	3,383.2	7.1	10.5	-87.11	13.4	-266.1	269.1	251.8	17.30	15.555	
3,500.0	3,500.0	3,478.3	3,461.6	7.2	10.8	-87.09	14.1	-277.1	280.2	262.5	17.71	15.824	
3,515.0	3,515.0	3,493.1	3,476.3	7.2	10.9	-87.09	14.2	-279.2	282.3	264.5	17.78	15.873	
3,600.0	3,600.0	3,577.3	3,559.7	7.3	11.2	-87.08	14.9	-290.9	294.1	275.9	18.22	16.142	
3,610.0	3,610.0	3,587.2	3,569.5	7.3	11.3	-87.07	14.9	-292.3	295.5	277.2	18.27	16.173	
3,700.0	3,700.0	3,676.3	3,657.7	7.4	11.6	-87.06	15.6	-304.6	308.0	289.3	18.74	16.441	
3,705.0	3,705.0	3,681.3	3,662.6	7.4	11.6	-87.06	15.7	-305.3	308.7	290.0	18.76	16.455	
3,800.0	3,800.0	3,775.3	3,755.8	7.5	12.0	-87.05	16.4	-318.4	322.0	302.7	19.25	16.722	
3,895.0	3,895.0	3,869.4	3,849.0	7.7	12.4	-87.03	17.2	-331.5	335.2	315.4	19.75	16.975	
3,900.0	3,900.0	3,874.4	3,853.9	7.7	12.4	-87.03	17.2	-332.2	335.9	316.1	19.77	16.988	
3,990.0	3,990.0	3,963.5	3,942.1	7.8	12.8	-87.02	17.9	-344.5	348.4	328.2	20.24	17.214	
4,000.0	4,000.0	3,973.4	3,951.9	7.8	12.8	-87.02	18.0	-345.9	349.8	329.5	20.29	17.239	
4,085.0	4,085.0	4,057.6	4,035.3	7.9	13.1	-87.01	18.7	-357.6	361.6	340.9	20.73	17.441	
4,100.0	4,100.0	4,072.4	4,050.0	7.9	13.2	-87.01	18.8	-359.7	363.7	342.9	20.81	17.476	
4,180.0	4,180.0	4,151.6	4,128.4	8.0	13.5	-87.00	19.4	-370.7	374.8	353.6	21.23	17.657	
4,200.0	4,200.0	4,171.4	4,148.0	8.0	13.6	-87.00	19.6	-373.4	377.6	356.3	21.33	17.701	
4,275.0	4,275.0	4,245.7	4,221.6	8.1	13.9	-86.99	20.2	-383.8	388.1	366.3	21.72	17.863	
4,300.0	4,300.0	4,270.5	4,246.1	8.1	14.0	-86.99	20.4	-387.2	391.5	369.7	21.86	17.915	
4,370.0	4,370.0	4,339.8	4,314.8	8.2	14.3	-86.98	20.9	-396.8	401.3	379.1	22.22	18.059	
4,400.0	4,400.0	4,369.5	4,344.2	8.2	14.4	-86.98	21.2	-401.0	405.5	383.1	22.38	18.119	
4,465.0	4,465.0	4,433.9	4,407.9	8.3	14.7	-86.97	21.7	-409.9	414.5	391.8	22.72	18.246	
4,500.0	4,500.0	4,468.5	4,442.2	8.3	14.8	-86.97	22.0	-414.7	419.4	396.5	22.90	18.312	
4,560.0	4,560.0	4,527.9	4,501.1	8.4	15.1	-86.96	22.4	-423.0	427.7	404.5	23.22	18.424	
4,600.0	4,600.0	4,567.6	4,540.3	8.4	15.2	-86.96	22.8	-428.5	433.3	409.9	23.43	18.497	
4,655.0	4,655.0	4,622.0	4,594.2	8.5	15.5	-86.96	23.2	-436.0	441.0	417.2	23.71	18.594	
4,700.0	4,700.0	4,666.6	4,638.4	8.5	15.6	-86.95	23.5	-442.2	447.2	423.3	23.95	18.672	
4,750.0	4,750.0	4,716.1	4,687.4	8.6	15.8	-86.95	23.9	-449.1	454.2	430.0	24.21	18.758	
4,800.0	4,800.0	4,765.6	4,736.4	8.6	16.0	-86.94	24.3	-456.0	461.1	436.7	24.47	18.844	
4,845.0	4,845.0	4,812.0	4,782.3	8.7	16.2	-86.94	24.7	-462.4	467.4	442.7	24.71	18.913	
4,900.0	4,900.0	4,871.4	4,841.2	8.7	16.5	-86.94	25.1	-470.1	474.5	449.5	25.02	18.965	
4,940.0	4,940.0	4,914.7	4,884.2	8.8	16.6	-86.94	25.5	-475.4	479.4	454.1	25.24	18.991	
5,000.0	5,000.0	4,979.8	4,948.9	8.8	16.9	-86.93	25.9	-482.6	486.1	460.5	25.57	19.010	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-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
5,035.0	5,035.0	5,017.8	4,986.8	8.9	17.1	-86.93	26.1	-486.6	489.7	463.9	25.76	19.012	
5,100.0	5,100.0	5,088.7	5,057.3	9.0	17.3	-86.93	26.5	-493.2	495.8	469.7	26.10	18.997	
5,130.0	5,130.0	5,121.4	5,089.9	9.0	17.5	-86.93	26.6	-495.9	498.3	472.1	26.25	18.983	
5,200.0	5,200.0	5,197.9	5,166.2	9.1	17.7	-86.92	27.0	-501.7	503.6	477.0	26.60	18.931	
5,225.0	5,225.0	5,225.2	5,193.5	9.1	17.8	-86.92	27.1	-503.5	505.2	478.5	26.72	18.908	
5,300.0	5,300.0	5,307.4	5,275.5	9.2	18.1	-86.92	27.3	-508.1	509.5	482.4	27.07	18.818	
5,320.0	5,320.0	5,329.3	5,297.4	9.2	18.2	-86.92	27.4	-509.1	510.4	483.2	27.16	18.792	
5,400.0	5,400.0	5,417.1	5,385.1	9.3	18.5	-86.92	27.6	-512.5	513.4	485.9	27.50	18.667	
5,415.0	5,415.0	5,433.6	5,401.6	9.3	18.5	-86.92	27.6	-512.9	513.9	486.3	27.56	18.643	
5,500.0	5,500.0	5,526.9	5,494.9	9.4	18.7	-86.92	27.7	-514.7	515.5	487.6	27.86	18.504	
5,510.0	5,510.0	5,537.9	5,505.9	9.4	18.8	-86.92	27.7	-514.8	515.6	487.7	27.88	18.492	
5,600.0	5,600.0	5,632.6	5,600.6	9.5	18.8	-86.92	27.7	-515.1	515.8	487.8	28.05	18.389	
5,605.0	5,605.0	5,637.6	5,605.6	9.5	18.8	-86.92	27.7	-515.1	515.8	487.7	28.06	18.384	
5,700.0	5,700.0	5,732.6	5,700.6	9.6	18.9	-86.92	27.7	-515.1	515.8	487.6	28.20	18.294	
5,795.0	5,795.0	5,827.6	5,795.6	9.7	18.9	-86.92	27.7	-515.1	515.8	487.5	28.33	18.205	
5,800.0	5,800.0	5,832.6	5,800.6	9.7	18.9	-86.92	27.7	-515.1	515.8	487.5	28.34	18.201	
5,890.0	5,890.0	5,922.6	5,890.6	9.8	19.0	-86.92	27.7	-515.1	515.8	487.3	28.47	18.118	
5,900.0	5,900.0	5,932.6	5,900.6	9.8	19.0	-86.92	27.7	-515.1	515.8	487.3	28.48	18.108	
5,985.0	5,985.0	6,017.6	5,985.6	9.9	19.0	-86.92	27.7	-515.1	515.8	487.2	28.61	18.031	
6,000.0	6,000.0	6,032.6	6,000.6	9.9	19.0	-86.92	27.7	-515.1	515.8	487.2	28.63	18.017	
6,080.0	6,080.0	6,112.6	6,080.6	10.0	19.0	-86.92	27.7	-515.1	515.8	487.1	28.74	17.945	
6,100.0	6,100.0	6,132.6	6,100.6	10.0	19.0	-86.92	27.7	-515.1	515.8	487.0	28.77	17.927	
6,175.0	6,175.0	6,207.6	6,175.6	10.1	19.1	-86.92	27.7	-515.1	515.8	486.9	28.88	17.860	
6,200.0	6,200.0	6,232.6	6,200.6	10.1	19.1	-86.92	27.7	-515.1	515.8	486.9	28.92	17.837	
6,270.0	6,270.0	6,302.6	6,270.6	10.1	19.1	-86.92	27.7	-515.1	515.8	486.8	29.02	17.776	
6,300.0	6,300.0	6,332.6	6,300.6	10.2	19.1	-86.92	27.7	-515.1	515.8	486.7	29.06	17.749	
6,365.0	6,365.0	6,397.6	6,365.6	10.2	19.2	-86.92	27.7	-515.1	515.8	486.7	29.15	17.692	
6,400.0	6,400.0	6,432.6	6,400.6	10.3	19.2	-86.92	27.7	-515.1	515.8	486.6	29.20	17.662	
6,460.0	6,460.0	6,492.6	6,460.6	10.3	19.2	-86.92	27.7	-515.1	515.8	486.5	29.29	17.610	
6,500.0	6,500.0	6,532.6	6,500.6	10.4	19.2	-86.92	27.7	-515.1	515.8	486.5	29.35	17.575	
6,555.0	6,555.0	6,587.6	6,555.6	10.4	19.2	-86.92	27.7	-515.1	515.8	486.4	29.43	17.528	
6,600.0	6,600.0	6,632.6	6,600.6	10.5	19.3	-86.92	27.7	-515.1	515.8	486.3	29.49	17.490	
6,650.0	6,650.0	6,682.6	6,650.6	10.5	19.3	-86.92	27.7	-515.1	515.8	486.2	29.56	17.447	
6,700.0	6,700.0	6,732.6	6,700.6	10.6	19.3	-86.92	27.7	-515.1	515.8	486.2	29.64	17.405	
6,745.0	6,745.0	6,777.6	6,745.6	10.6	19.3	-86.92	27.7	-515.1	515.8	486.1	29.70	17.367	
6,800.0	6,800.0	6,832.6	6,800.6	10.7	19.3	-86.92	27.7	-515.1	515.8	486.0	29.78	17.321	
6,840.0	6,840.0	6,872.6	6,840.6	10.7	19.4	-86.92	27.7	-515.1	515.8	486.0	29.84	17.288	
6,900.0	6,900.0	6,932.6	6,900.6	10.8	19.4	-86.92	27.7	-515.1	515.8	485.9	29.92	17.238	
6,935.0	6,935.0	6,967.6	6,935.6	10.8	19.4	-86.92	27.7	-515.1	515.8	485.8	29.97	17.209	
7,000.0	7,000.0	7,032.6	7,000.6	10.9	19.4	-86.92	27.7	-515.1	515.8	485.7	30.07	17.156	
7,030.0	7,030.0	7,062.6	7,030.6	10.9	19.4	-86.92	27.7	-515.1	515.8	485.7	30.11	17.132	
7,100.0	7,100.0	7,132.6	7,100.6	11.0	19.5	-86.92	27.7	-515.1	515.8	485.6	30.21	17.075	
7,125.0	7,125.0	7,157.6	7,125.6	11.0	19.5	-86.92	27.7	-515.1	515.8	485.6	30.24	17.055	
7,200.0	7,200.0	7,232.6	7,200.6	11.1	19.5	-86.92	27.7	-515.1	515.8	485.5	30.35	16.994	
7,220.0	7,220.0	7,252.6	7,220.6	11.1	19.5	-86.92	27.7	-515.1	515.8	485.4	30.38	16.978	
7,300.0	7,300.0	7,332.6	7,300.6	11.2	19.6	-86.92	27.7	-515.1	515.8	485.3	30.49	16.915	
7,315.0	7,315.0	7,347.6	7,315.6	11.2	19.6	-86.92	27.7	-515.1	515.8	485.3	30.52	16.903	
7,400.0	7,400.0	7,432.6	7,400.6	11.3	19.6	-86.92	27.7	-515.1	515.8	485.2	30.64	16.836	
7,410.0	7,410.0	7,442.6	7,410.6	11.3	19.6	-86.92	27.7	-515.1	515.8	485.2	30.65	16.828	
7,500.0	7,500.0	7,532.6	7,500.6	11.4	19.6	-86.92	27.7	-515.1	515.8	485.0	30.78	16.757	
7,505.0	7,505.0	7,537.6	7,505.6	11.4	19.6	-86.92	27.7	-515.1	515.8	485.0	30.79	16.754	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-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)		
7,600.0	7,600.0	7,632.6	7,600.6	11.4	19.7	-86.92	27.7	-515.1	515.8	484.9	30.92	16.680	
7,695.0	7,695.0	7,727.6	7,695.6	11.5	19.7	-86.92	27.7	-515.1	515.8	484.7	31.06	16.607	
7,700.0	7,700.0	7,732.6	7,700.6	11.5	19.7	-86.92	27.7	-515.1	515.8	484.7	31.07	16.603	
7,790.0	7,790.0	7,822.6	7,790.6	11.6	19.8	-86.92	27.7	-515.1	515.8	484.6	31.20	16.535	
7,800.0	7,800.0	7,832.6	7,800.6	11.6	19.8	-86.92	27.7	-515.1	515.8	484.6	31.21	16.527	
7,885.0	7,885.0	7,917.6	7,885.6	11.7	19.8	-86.92	27.7	-515.1	515.8	484.5	31.33	16.463	
7,900.0	7,900.0	7,932.6	7,900.6	11.7	19.8	-86.92	27.7	-515.1	515.8	484.5	31.35	16.452	
7,980.0	7,980.0	8,012.6	7,980.6	11.8	19.9	-86.92	27.7	-515.1	515.8	484.3	31.47	16.392	
8,000.0	8,000.0	8,032.6	8,000.6	11.8	19.9	-86.92	27.7	-515.1	515.8	484.3	31.50	16.377	
8,075.0	8,075.0	8,107.6	8,075.6	11.9	19.9	-86.92	27.7	-515.1	515.8	484.2	31.60	16.322	
8,100.0	8,100.0	8,132.6	8,100.6	11.9	19.9	-86.92	27.7	-515.1	515.8	484.2	31.64	16.303	
8,170.0	8,170.0	8,202.6	8,170.6	12.0	20.0	-86.92	27.7	-515.1	515.8	484.1	31.74	16.252	
8,200.0	8,200.0	8,232.6	8,200.6	12.0	20.0	-86.92	27.7	-515.1	515.8	484.0	31.78	16.230	
8,265.0	8,265.0	8,297.6	8,265.6	12.1	20.0	-86.92	27.7	-515.1	515.8	483.9	31.87	16.183	
8,300.0	8,300.0	8,332.6	8,300.6	12.1	20.0	-86.92	27.7	-515.1	515.8	483.9	31.92	16.157	
8,360.0	8,360.0	8,392.6	8,360.6	12.2	20.0	-86.92	27.7	-515.1	515.8	483.8	32.01	16.114	
8,400.0	8,400.0	8,432.6	8,400.6	12.2	20.1	-86.92	27.7	-515.1	515.8	483.7	32.07	16.086	
8,455.0	8,455.0	8,487.6	8,455.6	12.3	20.1	-86.92	27.7	-515.1	515.8	483.7	32.15	16.046	
8,500.0	8,500.0	8,532.6	8,500.6	12.3	20.1	-86.92	27.7	-515.1	515.8	483.6	32.21	16.014	
8,550.0	8,550.0	8,582.6	8,550.6	12.4	20.1	-86.92	27.7	-515.1	515.8	483.5	32.28	15.979	
8,600.0	8,600.0	8,632.6	8,600.6	12.4	20.2	-86.92	27.7	-515.1	515.8	483.5	32.35	15.943	
8,645.0	8,645.0	8,677.6	8,645.6	12.4	20.2	-86.92	27.7	-515.1	515.8	483.4	32.42	15.912	
8,700.0	8,700.0	8,732.6	8,700.6	12.5	20.2	-86.92	27.7	-515.1	515.8	483.3	32.50	15.873	
8,740.0	8,740.0	8,772.6	8,740.6	12.5	20.2	-86.92	27.7	-515.1	515.8	483.3	32.55	15.845	
8,800.0	8,800.0	8,832.6	8,800.6	12.6	20.2	-86.92	27.7	-515.1	515.8	483.2	32.64	15.804	
8,835.0	8,835.0	8,867.6	8,835.6	12.6	20.3	-86.92	27.7	-515.1	515.8	483.1	32.69	15.780	
8,900.0	8,900.0	8,932.6	8,900.6	12.7	20.3	-86.92	27.7	-515.1	515.8	483.0	32.78	15.735	
8,930.0	8,930.0	8,962.6	8,930.6	12.7	20.3	-86.92	27.7	-515.1	515.8	483.0	32.82	15.714	
9,000.0	9,000.0	9,032.6	9,000.6	12.8	20.3	-86.92	27.7	-515.1	515.8	482.9	32.92	15.667	
9,025.0	9,025.0	9,057.6	9,025.6	12.8	20.4	-86.92	27.7	-515.1	515.8	482.8	32.96	15.650	
9,100.0	9,100.0	9,132.6	9,100.6	12.9	20.4	-86.92	27.7	-515.1	515.8	482.7	33.07	15.599	
9,120.0	9,120.0	9,152.6	9,120.6	12.9	20.4	-86.92	27.7	-515.1	515.8	482.7	33.10	15.585	
9,200.0	9,200.0	9,232.6	9,200.6	13.0	20.4	-86.92	27.7	-515.1	515.8	482.6	33.21	15.532	
9,215.0	9,215.0	9,247.6	9,215.6	13.0	20.4	-86.92	27.7	-515.1	515.8	482.6	33.23	15.522	
9,300.0	9,300.0	9,332.6	9,300.6	13.1	20.5	-86.92	27.7	-515.1	515.8	482.5	33.35	15.465	
9,310.0	9,310.0	9,342.6	9,310.6	13.1	20.5	-86.92	27.7	-515.1	515.8	482.4	33.37	15.459	
9,400.0	9,400.0	9,432.6	9,400.6	13.1	20.5	-86.92	27.7	-515.1	515.8	482.3	33.50	15.399	
9,405.0	9,405.0	9,437.6	9,405.6	13.2	20.5	-86.92	27.7	-515.1	515.8	482.3	33.50	15.396	
9,500.0	9,500.0	9,532.6	9,500.6	13.2	20.6	-86.92	27.7	-515.1	515.8	482.2	33.64	15.334	
9,595.0	9,595.0	9,627.6	9,595.6	13.3	20.6	-86.92	27.7	-515.1	515.8	482.0	33.77	15.272	
9,600.0	9,600.0	9,632.6	9,600.6	13.3	20.6	-86.92	27.7	-515.1	515.8	482.0	33.78	15.269	
9,690.0	9,690.0	9,722.6	9,690.6	13.4	20.7	-86.92	27.7	-515.1	515.8	481.9	33.91	15.211	
9,700.0	9,700.0	9,732.6	9,700.6	13.4	20.7	-86.92	27.7	-515.1	515.8	481.9	33.93	15.204	
9,712.2	9,712.2	9,744.8	9,712.8	13.4	20.7	-86.92	27.7	-515.1	515.8	481.9	33.94	15.196	
9,785.0	9,785.0	9,817.4	9,785.3	13.5	20.7	-86.92	27.8	-515.1	515.8	481.8	34.04	15.152	
9,800.0	9,800.0	9,831.6	9,799.6	13.5	20.7	-86.88	28.1	-515.1	515.8	481.8	34.06	15.144	
9,880.0	9,880.0	9,906.9	9,874.5	13.6	20.7	-86.05	35.6	-515.1	516.3	482.2	34.17	15.113	
9,900.0	9,900.0	9,925.4	9,892.6	13.6	20.7	-85.68	38.9	-515.1	516.6	482.4	34.19	15.109	
9,975.0	9,975.0	9,992.1	9,957.1	13.7	20.7	-83.82	55.8	-515.1	518.5	484.2	34.30	15.114	
10,000.0	10,000.0	10,013.4	9,977.2	13.7	20.8	-83.06	62.7	-515.1	519.5	485.1	34.34	15.126	
10,070.0	10,070.0	10,069.8	10,029.2	13.7	20.8	-80.66	84.7	-515.2	523.7	489.3	34.44	15.208	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference Offset				Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,085.5	10,085.5	10,081.7	10,039.8	13.8	20.8	-80.09	90.0	-515.2	525.0	490.6	34.46	15.234		
10,100.0	10,100.0	10,092.6	10,049.5	13.8	20.8	-76.36	95.1	-515.2	526.3	491.8	34.48	15.265		
10,125.0	10,125.0	10,111.4	10,065.9	13.8	20.8	-75.22	104.2	-515.2	528.6	494.1	34.51	15.317		
10,150.0	10,149.8	10,130.1	10,082.0	13.8	20.8	-74.12	113.7	-515.2	530.9	496.4	34.55	15.367		
10,165.0	10,164.6	10,141.2	10,091.4	13.8	20.8	-73.49	119.7	-515.2	532.3	497.7	34.57	15.397		
10,175.0	10,174.5	10,150.0	10,098.7	13.8	20.8	-73.02	124.5	-515.2	533.2	498.7	34.58	15.420		
10,200.0	10,198.9	10,167.1	10,112.8	13.8	20.8	-72.07	134.2	-515.3	535.6	500.9	34.64	15.460		
10,225.0	10,223.0	10,185.4	10,127.6	13.8	20.8	-71.12	145.1	-515.3	537.8	503.1	34.70	15.500		
10,250.0	10,246.8	10,200.0	10,139.0	13.9	20.8	-70.35	154.1	-515.3	540.0	505.3	34.79	15.524		
10,260.0	10,256.1	10,211.0	10,147.5	13.9	20.8	-69.87	161.1	-515.3	540.9	506.1	34.79	15.548		
10,275.0	10,270.1	10,221.9	10,155.9	13.9	20.8	-69.37	168.2	-515.3	542.1	507.3	34.83	15.565		
10,300.0	10,292.9	10,240.1	10,169.4	13.9	20.8	-68.58	180.3	-515.4	544.1	509.2	34.91	15.588		
10,325.0	10,315.1	10,258.2	10,182.4	13.9	20.8	-67.85	192.8	-515.4	546.0	511.0	34.99	15.604		
10,350.0	10,336.7	10,276.2	10,195.1	13.9	20.8	-67.17	205.7	-515.4	547.7	512.7	35.08	15.613		
10,355.0	10,340.9	10,279.8	10,197.5	14.0	20.8	-67.04	208.3	-515.4	548.1	513.0	35.10	15.614		
10,375.0	10,357.6	10,300.0	10,211.1	14.0	20.8	-66.41	223.2	-515.4	549.3	514.2	35.13	15.638		
10,400.0	10,377.8	10,312.1	10,219.0	14.0	20.8	-65.99	232.4	-515.5	550.7	515.4	35.28	15.610		
10,425.0	10,397.1	10,330.0	10,230.3	14.0	20.8	-65.48	246.3	-515.5	551.9	516.5	35.38	15.598		
10,450.0	10,415.6	10,350.0	10,242.4	14.1	20.9	-65.00	262.2	-515.5	552.9	517.4	35.47	15.586		
10,475.0	10,433.2	10,365.7	10,251.5	14.1	20.9	-64.66	275.0	-515.5	553.6	518.0	35.60	15.551		
10,500.0	10,449.9	10,383.5	10,261.3	14.1	20.9	-64.34	289.8	-515.6	554.2	518.4	35.71	15.517		
10,525.0	10,465.5	10,400.0	10,270.1	14.2	20.9	-64.09	303.8	-515.6	554.5	518.6	35.84	15.472		
10,545.0	10,477.3	10,415.5	10,277.9	14.2	20.9	-63.91	317.1	-515.6	554.5	518.6	35.92	15.439		
10,550.0	10,480.1	10,419.0	10,279.7	14.2	20.9	-63.87	320.2	-515.6	554.5	518.6	35.94	15.429		
10,575.0	10,493.7	10,436.7	10,288.1	14.2	20.9	-63.73	335.8	-515.7	554.3	518.3	36.05	15.375		
10,600.0	10,506.1	10,450.0	10,294.1	14.2	20.9	-63.68	347.7	-515.7	553.9	517.7	36.19	15.304		
10,625.0	10,517.3	10,472.2	10,303.5	14.3	20.9	-63.64	367.7	-515.7	553.2	516.9	36.27	15.251		
10,640.0	10,523.5	10,482.8	10,307.7	14.3	21.0	-63.65	377.5	-515.7	552.7	516.4	36.34	15.210		
10,650.0	10,527.4	10,489.9	10,310.5	14.3	21.0	-63.68	384.0	-515.7	552.3	515.9	36.38	15.182		
10,675.0	10,536.3	10,507.6	10,316.9	14.3	21.0	-63.79	400.5	-515.8	551.1	514.6	36.48	15.107		
10,700.0	10,543.9	10,525.3	10,322.8	14.3	21.0	-63.95	417.2	-515.8	549.7	513.1	36.58	15.028		
10,725.0	10,550.3	10,550.0	10,330.2	14.4	21.0	-64.21	440.8	-515.9	548.0	511.4	36.64	14.960		
10,735.0	10,552.5	10,550.0	10,330.2	14.4	21.0	-64.29	440.8	-515.9	547.2	510.5	36.70	14.910		
10,750.0	10,555.4	10,560.8	10,333.1	14.4	21.0	-64.48	451.1	-515.9	546.1	509.3	36.75	14.858		
10,775.0	10,559.2	10,578.5	10,337.5	14.4	21.1	-64.83	468.3	-515.9	543.9	507.1	36.83	14.768		
10,800.0	10,561.7	10,600.0	10,342.1	14.4	21.1	-65.29	489.3	-516.0	541.6	504.7	36.89	14.680		
10,825.0	10,562.9	10,614.0	10,344.6	14.4	21.1	-65.74	503.1	-516.0	538.9	502.0	36.97	14.579		
10,830.0	10,563.0	10,617.6	10,345.2	14.4	21.1	-65.84	506.6	-516.0	538.4	501.4	36.98	14.560		
10,834.1	10,563.0	10,620.5	10,345.7	14.4	21.1	-65.93	509.5	-516.0	538.0	501.0	36.99	14.544		
10,900.0	10,563.2	10,668.0	10,351.3	14.4	21.2	-66.43	556.6	-516.1	532.5	495.3	37.17	14.328		
10,925.0	10,563.3	10,686.2	10,352.4	14.4	21.2	-66.53	574.8	-516.1	531.4	494.1	37.25	14.266		
10,967.3	10,563.4	10,719.8	10,353.0	14.4	21.2	-66.57	608.4	-516.2	530.6	493.2	37.40	14.188		
11,000.0	10,563.5	10,752.5	10,353.2	14.5	21.3	-66.57	641.1	-516.2	530.4	492.9	37.53	14.134		
11,020.0	10,563.6	10,772.5	10,353.3	14.5	21.3	-66.56	661.1	-516.3	530.4	492.7	37.62	14.098		
11,100.0	10,563.8	10,852.5	10,353.6	14.8	21.5	-66.56	741.1	-516.4	530.0	492.0	37.99	13.952		
11,115.0	10,563.9	10,867.5	10,353.6	14.8	21.5	-66.55	756.1	-516.5	529.9	491.8	38.06	13.922		
11,200.0	10,564.1	10,952.5	10,354.0	15.1	21.7	-66.55	841.1	-516.6	529.5	491.0	38.50	13.753		
11,210.0	10,564.2	10,962.5	10,354.0	15.1	21.7	-66.54	851.1	-516.6	529.4	490.9	38.56	13.732		
11,300.0	10,564.4	11,052.5	10,354.4	15.4	22.0	-66.54	941.1	-516.8	529.0	489.9	39.07	13.540		
11,305.0	10,564.5	11,057.5	10,354.4	15.5	22.0	-66.53	946.1	-516.8	529.0	489.9	39.10	13.529		
11,400.0	10,564.7	11,152.5	10,354.8	15.8	22.2	-66.52	1,041.1	-517.0	528.5	488.8	39.69	13.317		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference Offset				Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,495.0	10,565.0	11,247.5	10,355.2	16.2	22.5	-66.51	1,136.1	-517.2	528.1	487.7	40.32	13.096		
11,500.0	10,565.1	11,252.5	10,355.2	16.2	22.5	-66.51	1,141.1	-517.2	528.0	487.7	40.36	13.084		
11,590.0	10,565.3	11,342.5	10,355.6	16.6	22.8	-66.50	1,231.1	-517.4	527.6	486.6	41.00	12.869		
11,600.0	10,565.4	11,352.5	10,355.6	16.7	22.8	-66.50	1,241.1	-517.4	527.6	486.5	41.07	12.845		
11,685.0	10,565.6	11,437.5	10,356.0	17.1	23.1	-66.49	1,326.1	-517.6	527.2	485.4	41.72	12.637		
11,700.0	10,565.7	11,452.5	10,356.1	17.1	23.2	-66.49	1,341.1	-517.6	527.1	485.3	41.83	12.600		
11,780.0	10,565.9	11,532.5	10,356.4	17.5	23.4	-66.48	1,421.1	-517.7	526.7	484.2	42.47	12.402		
11,800.0	10,566.0	11,552.5	10,356.5	17.6	23.5	-66.48	1,441.1	-517.8	526.6	484.0	42.63	12.352		
11,875.0	10,566.2	11,627.5	10,356.8	18.0	23.8	-66.47	1,516.1	-517.9	526.2	483.0	43.26	12.165		
11,900.0	10,566.3	11,652.5	10,356.9	18.1	23.9	-66.47	1,541.1	-518.0	526.1	482.6	43.47	12.103		
11,970.0	10,566.5	11,722.5	10,357.2	18.5	24.2	-66.46	1,611.1	-518.1	525.8	481.7	44.08	11.927		
12,000.0	10,566.6	11,752.5	10,357.3	18.6	24.3	-66.46	1,641.1	-518.2	525.6	481.3	44.35	11.853		
12,065.0	10,566.8	11,817.5	10,357.6	19.0	24.5	-66.45	1,706.1	-518.3	525.3	480.4	44.94	11.690		
12,100.0	10,566.9	11,852.5	10,357.7	19.2	24.7	-66.45	1,741.1	-518.4	525.2	479.9	45.26	11.603		
12,160.0	10,567.1	11,912.5	10,357.9	19.5	24.9	-66.44	1,801.1	-518.5	524.9	479.0	45.82	11.455		
12,200.0	10,567.2	11,952.5	10,358.1	19.7	25.1	-66.44	1,841.1	-518.6	524.7	478.5	46.20	11.356		
12,255.0	10,567.4	12,007.5	10,358.3	20.0	25.3	-66.43	1,896.1	-518.7	524.4	477.7	46.74	11.221		
12,300.0	10,567.5	12,052.5	10,358.5	20.3	25.5	-66.43	1,941.1	-518.8	524.2	477.0	47.18	11.111		
12,350.0	10,567.7	12,102.5	10,358.7	20.6	25.8	-66.42	1,991.1	-518.8	524.0	476.3	47.67	10.990		
12,400.0	10,567.8	12,152.5	10,358.9	20.9	26.0	-66.42	2,041.1	-518.9	523.7	475.5	48.18	10.870		
12,445.0	10,568.0	12,197.5	10,359.1	21.1	26.2	-66.41	2,086.1	-519.0	523.5	474.9	48.64	10.763		
12,500.0	10,568.1	12,252.5	10,359.3	21.4	26.5	-66.41	2,141.1	-519.1	523.2	474.0	49.21	10.633		
12,540.0	10,568.3	12,292.5	10,359.5	21.7	26.7	-66.40	2,181.1	-519.2	523.0	473.4	49.63	10.539		
12,600.0	10,568.5	12,352.5	10,359.7	22.0	27.0	-66.40	2,241.1	-519.3	522.8	472.5	50.27	10.400		
12,635.0	10,568.6	12,387.5	10,359.9	22.2	27.1	-66.39	2,276.1	-519.4	522.6	471.9	50.64	10.320		
12,700.0	10,568.8	12,452.5	10,360.2	22.6	27.5	-66.39	2,341.1	-519.5	522.3	470.9	51.34	10.172		
12,730.0	10,568.9	12,482.5	10,360.3	22.8	27.6	-66.38	2,371.1	-519.6	522.1	470.5	51.67	10.105		
12,800.0	10,569.1	12,552.5	10,360.6	23.3	28.0	-66.37	2,441.1	-519.7	521.8	469.3	52.45	9.949		
12,825.0	10,569.1	12,577.5	10,360.7	23.4	28.1	-66.37	2,466.1	-519.8	521.7	468.9	52.72	9.894		
12,900.0	10,569.4	12,652.5	10,361.0	23.9	28.5	-66.36	2,541.1	-519.9	521.3	467.7	53.57	9.732		
12,920.0	10,569.4	12,672.5	10,361.1	24.0	28.6	-66.36	2,561.1	-519.9	521.2	467.4	53.79	9.689		
13,000.0	10,569.7	12,752.5	10,361.4	24.5	29.0	-66.35	2,641.1	-520.1	520.8	466.1	54.71	9.520		
13,015.0	10,569.7	12,767.5	10,361.5	24.6	29.1	-66.35	2,656.1	-520.1	520.8	465.9	54.88	9.489		
13,100.0	10,570.0	12,852.5	10,361.8	25.2	29.6	-66.34	2,741.1	-520.3	520.4	464.5	55.87	9.314		
13,110.0	10,570.0	12,862.5	10,361.8	25.2	29.6	-66.34	2,751.1	-520.3	520.3	464.3	55.99	9.293		
13,200.0	10,570.3	12,952.5	10,362.2	25.8	30.1	-66.33	2,841.1	-520.5	519.9	462.8	57.05	9.113		
13,205.0	10,570.3	12,957.5	10,362.2	25.8	30.1	-66.33	2,846.1	-520.5	519.8	462.7	57.11	9.103		
13,300.0	10,570.6	13,052.5	10,362.6	26.5	30.7	-66.32	2,941.1	-520.7	519.4	461.2	58.24	8.918		
13,395.0	10,570.9	13,147.5	10,363.0	27.1	31.2	-66.31	3,036.1	-520.9	518.9	459.5	59.39	8.738		
13,400.0	10,570.9	13,152.5	10,363.0	27.1	31.2	-66.31	3,041.1	-520.9	518.9	459.5	59.45	8.729		
13,490.0	10,571.2	13,242.5	10,363.4	27.7	31.8	-66.30	3,131.1	-521.0	518.5	457.9	60.55	8.563		
13,500.0	10,571.2	13,252.5	10,363.4	27.8	31.8	-66.30	3,141.1	-521.1	518.4	457.8	60.67	8.545		
13,585.0	10,571.5	13,337.5	10,363.8	28.4	32.3	-66.29	3,226.0	-521.2	518.0	456.3	61.72	8.393		
13,600.0	10,571.5	13,352.5	10,363.9	28.5	32.4	-66.29	3,241.0	-521.3	517.9	456.0	61.91	8.366		
13,680.0	10,571.8	13,432.5	10,364.2	29.0	32.9	-66.28	3,321.0	-521.4	517.6	454.7	62.91	8.227		
13,700.0	10,571.8	13,452.5	10,364.3	29.1	33.0	-66.28	3,341.0	-521.5	517.5	454.3	63.16	8.193		
13,775.0	10,572.1	13,527.5	10,364.6	29.6	33.4	-66.27	3,416.0	-521.6	517.1	453.0	64.10	8.067		
13,800.0	10,572.2	13,552.5	10,364.7	29.8	33.6	-66.27	3,441.0	-521.6	517.0	452.6	64.42	8.025		
13,870.0	10,572.4	13,622.5	10,365.0	30.3	34.0	-66.26	3,511.0	-521.8	516.7	451.3	65.31	7.911		
13,900.0	10,572.5	13,652.5	10,365.1	30.5	34.2	-66.25	3,541.0	-521.8	516.5	450.8	65.69	7.862		
13,965.0	10,572.7	13,717.5	10,365.4	30.9	34.6	-66.25	3,606.0	-522.0	516.2	449.7	66.53	7.759		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
14,000.0	10,572.8	13,752.5	10,365.5	31.2	34.8	-66.24	3,641.0	-522.0	516.0	449.1	66.98	7.705	
14,060.0	10,573.0	13,812.5	10,365.7	31.6	35.2	-66.24	3,701.0	-522.1	515.7	448.0	67.75	7.612	
14,100.0	10,573.1	13,852.5	10,365.9	31.9	35.4	-66.23	3,741.0	-522.2	515.5	447.3	68.27	7.552	
14,155.0	10,573.3	13,907.5	10,366.1	32.3	35.8	-66.23	3,796.0	-522.3	515.3	446.3	68.99	7.469	
14,200.0	10,573.4	13,952.5	10,366.3	32.6	36.0	-66.22	3,841.0	-522.4	515.1	445.5	69.57	7.403	
14,250.0	10,573.5	14,002.5	10,366.5	32.9	36.3	-66.22	3,891.0	-522.5	514.8	444.6	70.23	7.331	
14,300.0	10,573.7	14,052.4	10,366.7	33.3	36.7	-66.21	3,941.0	-522.6	514.6	443.7	70.89	7.259	
14,345.0	10,573.8	14,097.4	10,366.9	33.6	36.9	-66.20	3,986.0	-522.7	514.4	442.9	71.48	7.196	
14,400.0	10,574.0	14,152.4	10,367.1	34.0	37.3	-66.20	4,041.0	-522.8	514.1	441.9	72.21	7.120	
14,440.0	10,574.1	14,192.4	10,367.3	34.2	37.6	-66.19	4,081.0	-522.9	513.9	441.2	72.74	7.065	
14,500.0	10,574.3	14,252.4	10,367.6	34.7	37.9	-66.19	4,141.0	-523.0	513.6	440.1	73.54	6.985	
14,535.0	10,574.4	14,287.4	10,367.7	34.9	38.2	-66.18	4,176.0	-523.1	513.5	439.5	74.00	6.938	
14,600.0	10,574.6	14,352.4	10,368.0	35.4	38.6	-66.18	4,241.0	-523.2	513.1	438.3	74.87	6.853	
14,630.0	10,574.7	14,382.4	10,368.1	35.6	38.8	-66.17	4,271.0	-523.2	513.0	437.7	75.28	6.815	
14,700.0	10,574.9	14,452.4	10,368.4	36.1	39.2	-66.16	4,341.0	-523.4	512.7	436.4	76.22	6.726	
14,725.0	10,575.0	14,477.4	10,368.5	36.3	39.4	-66.16	4,366.0	-523.4	512.5	436.0	76.56	6.695	
14,800.0	10,575.2	14,552.4	10,368.8	36.8	39.9	-66.15	4,441.0	-523.6	512.2	434.6	77.57	6.603	
14,820.0	10,575.3	14,572.4	10,368.9	36.9	40.0	-66.15	4,461.0	-523.6	512.1	434.2	77.84	6.579	
14,900.0	10,575.6	14,652.4	10,369.2	37.5	40.5	-66.14	4,541.0	-523.8	511.7	432.8	78.93	6.483	
14,915.0	10,575.6	14,667.4	10,369.3	37.6	40.6	-66.14	4,556.0	-523.8	511.6	432.5	79.13	6.466	
15,000.0	10,575.9	14,752.4	10,369.6	38.2	41.2	-66.13	4,641.0	-524.0	511.2	430.9	80.29	6.367	
15,010.0	10,575.9	14,762.4	10,369.6	38.3	41.3	-66.13	4,651.0	-524.0	511.2	430.7	80.43	6.356	
15,100.0	10,576.2	14,852.4	10,370.0	38.9	41.8	-66.12	4,741.0	-524.2	510.7	429.1	81.66	6.254	
15,105.0	10,576.2	14,857.4	10,370.0	39.0	41.9	-66.12	4,746.0	-524.2	510.7	429.0	81.73	6.249	
15,200.0	10,576.5	14,952.4	10,370.4	39.6	42.5	-66.11	4,841.0	-524.3	510.3	427.2	83.04	6.145	
15,295.0	10,576.8	15,047.4	10,370.8	40.3	43.1	-66.10	4,936.0	-524.5	509.8	425.5	84.35	6.044	
15,300.0	10,576.8	15,052.4	10,370.8	40.4	43.2	-66.10	4,941.0	-524.5	509.8	425.4	84.42	6.039	
15,390.0	10,577.1	15,142.4	10,371.2	41.0	43.8	-66.09	5,031.0	-524.7	509.4	423.7	85.66	5.946	
15,400.0	10,577.1	15,152.4	10,371.3	41.1	43.9	-66.09	5,041.0	-524.7	509.3	423.5	85.80	5.936	
15,485.0	10,577.4	15,237.4	10,371.6	41.7	44.4	-66.08	5,126.0	-524.9	508.9	421.9	86.98	5.850	
15,500.0	10,577.4	15,252.4	10,371.7	41.8	44.5	-66.07	5,141.0	-524.9	508.8	421.6	87.19	5.836	
15,580.0	10,577.7	15,332.4	10,372.0	42.4	45.1	-66.07	5,221.0	-525.1	508.4	420.1	88.31	5.757	
15,600.0	10,577.7	15,352.4	10,372.1	42.5	45.2	-66.06	5,241.0	-525.1	508.3	419.8	88.59	5.738	
15,675.0	10,577.9	15,427.4	10,372.4	43.1	45.7	-66.05	5,316.0	-525.3	508.0	418.3	89.64	5.667	
15,700.0	10,578.0	15,452.4	10,372.5	43.3	45.9	-66.05	5,341.0	-525.3	507.9	417.9	89.99	5.644	
15,770.0	10,578.2	15,522.4	10,372.8	43.8	46.4	-66.04	5,411.0	-525.4	507.5	416.6	90.97	5.579	
15,800.0	10,578.3	15,552.4	10,372.9	44.0	46.6	-66.04	5,441.0	-525.5	507.4	416.0	91.39	5.552	
15,865.0	10,578.5	15,617.4	10,373.2	44.5	47.0	-66.03	5,506.0	-525.6	507.1	414.8	92.31	5.493	
15,900.0	10,578.6	15,652.4	10,373.3	44.7	47.3	-66.03	5,541.0	-525.7	506.9	414.1	92.80	5.462	
15,960.0	10,578.8	15,712.4	10,373.6	45.1	47.7	-66.02	5,601.0	-525.8	506.6	413.0	93.65	5.410	
16,000.0	10,578.9	15,752.4	10,373.7	45.4	47.9	-66.02	5,641.0	-525.9	506.4	412.2	94.21	5.375	
16,055.0	10,579.1	15,807.4	10,373.9	45.8	48.3	-66.01	5,696.0	-526.0	506.2	411.2	94.99	5.328	
16,100.0	10,579.3	15,852.4	10,374.1	46.2	48.6	-66.01	5,741.0	-526.1	505.9	410.3	95.63	5.291	
16,150.0	10,579.4	15,902.4	10,374.3	46.5	49.0	-66.00	5,791.0	-526.2	505.7	409.4	96.34	5.249	
16,200.0	10,579.6	15,952.4	10,374.5	46.9	49.3	-65.99	5,841.0	-526.3	505.5	408.4	97.05	5.208	
16,245.0	10,579.7	15,997.4	10,374.7	47.2	49.6	-65.99	5,886.0	-526.4	505.2	407.6	97.69	5.172	
16,300.0	10,579.9	16,052.4	10,374.9	47.6	50.0	-65.98	5,941.0	-526.5	505.0	406.5	98.47	5.128	
16,340.0	10,580.0	16,092.4	10,375.1	47.9	50.3	-65.98	5,981.0	-526.5	504.8	405.7	99.04	5.097	
16,400.0	10,580.2	16,152.4	10,375.4	48.4	50.7	-65.97	6,041.0	-526.7	504.5	404.6	99.90	5.050	
16,435.0	10,580.3	16,187.4	10,375.5	48.6	51.0	-65.97	6,076.0	-526.7	504.3	403.9	100.40	5.023	
16,500.0	10,580.5	16,252.4	10,375.8	49.1	51.4	-65.96	6,141.0	-526.9	504.0	402.7	101.33	4.974	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1											Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation
Measured	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Warning
16,530.0	10,580.6	16,282.4	10,375.9	49.3	51.6	-65.96	6,171.0	-526.9	503.9	402.1	101.76	4.952
16,600.0	10,580.8	16,352.4	10,376.2	49.8	52.1	-65.95	6,241.0	-527.1	503.5	400.8	102.76	4.900
16,625.0	10,580.9	16,377.4	10,376.3	50.0	52.3	-65.94	6,266.0	-527.1	503.4	400.3	103.12	4.882
16,700.0	10,581.1	16,452.4	10,376.6	50.6	52.8	-65.94	6,341.0	-527.2	503.1	398.9	104.19	4.828
16,720.0	10,581.2	16,472.4	10,376.7	50.7	53.0	-65.93	6,361.0	-527.3	503.0	398.5	104.48	4.814
16,800.0	10,581.4	16,552.4	10,377.0	51.3	53.5	-65.92	6,441.0	-527.4	502.6	397.0	105.63	4.758
16,815.0	10,581.5	16,567.4	10,377.1	51.4	53.6	-65.92	6,456.0	-527.5	502.5	396.7	105.85	4.747
16,900.0	10,581.7	16,652.4	10,377.4	52.0	54.2	-65.91	6,541.0	-527.6	502.1	395.0	107.07	4.689
16,910.0	10,581.8	16,662.4	10,377.5	52.1	54.3	-65.91	6,551.0	-527.6	502.1	394.8	107.22	4.683
17,000.0	10,582.0	16,752.4	10,377.8	52.8	54.9	-65.90	6,641.0	-527.8	501.6	393.1	108.52	4.623
17,005.0	10,582.1	16,757.4	10,377.8	52.8	55.0	-65.90	6,646.0	-527.8	501.6	393.0	108.59	4.619
17,100.0	10,582.3	16,852.4	10,378.2	53.5	55.6	-65.89	6,741.0	-528.0	501.1	391.2	109.96	4.557
17,195.0	10,582.6	16,947.4	10,378.6	54.2	56.3	-65.88	6,836.0	-528.2	500.7	389.4	111.34	4.497
17,200.0	10,582.7	16,952.4	10,378.6	54.3	56.3	-65.88	6,841.0	-528.2	500.7	389.3	111.41	4.494
17,290.0	10,582.9	17,042.4	10,379.0	54.9	57.0	-65.87	6,931.0	-528.4	500.2	387.5	112.71	4.438
17,300.0	10,583.0	17,052.4	10,379.1	55.0	57.1	-65.87	6,941.0	-528.4	500.2	387.3	112.86	4.432
17,385.0	10,583.2	17,137.4	10,379.4	55.6	57.7	-65.86	7,026.0	-528.6	499.8	385.7	114.09	4.380
17,400.0	10,583.3	17,152.4	10,379.5	55.7	57.8	-65.85	7,041.0	-528.6	499.7	385.4	114.31	4.371
17,480.0	10,583.5	17,232.4	10,379.8	56.3	58.3	-65.84	7,121.0	-528.7	499.3	383.8	115.47	4.324
17,500.0	10,583.6	17,252.4	10,379.9	56.5	58.5	-65.84	7,141.0	-528.8	499.2	383.5	115.77	4.312
17,575.0	10,583.8	17,327.4	10,380.2	57.0	59.0	-65.83	7,216.0	-528.9	498.9	382.0	116.86	4.269
17,600.0	10,583.9	17,352.4	10,380.3	57.2	59.2	-65.83	7,241.0	-529.0	498.7	381.5	117.22	4.255
17,670.0	10,584.1	17,422.4	10,380.6	57.7	59.7	-65.82	7,311.0	-529.1	498.4	380.2	118.24	4.215
17,700.0	10,584.2	17,452.4	10,380.7	58.0	59.9	-65.82	7,341.0	-529.2	498.3	379.6	118.68	4.198
17,765.0	10,584.4	17,517.4	10,381.0	58.5	60.4	-65.81	7,406.0	-529.3	498.0	378.3	119.63	4.163
17,800.0	10,584.5	17,552.4	10,381.1	58.7	60.6	-65.81	7,441.0	-529.4	497.8	377.6	120.14	4.143
17,860.0	10,584.7	17,612.4	10,381.4	59.2	61.1	-65.80	7,501.0	-529.5	497.5	376.5	121.02	4.111
17,900.0	10,584.8	17,652.4	10,381.5	59.5	61.3	-65.79	7,541.0	-529.6	497.3	375.7	121.60	4.090
17,955.0	10,585.0	17,707.4	10,381.7	59.9	61.7	-65.79	7,596.0	-529.7	497.0	374.6	122.41	4.061
18,000.0	10,585.1	17,752.4	10,381.9	60.2	62.1	-65.78	7,641.0	-529.8	496.8	373.8	123.07	4.037
18,050.0	10,585.3	17,802.4	10,382.1	60.6	62.4	-65.78	7,690.9	-529.8	496.6	372.8	123.80	4.011
18,100.0	10,585.4	17,852.4	10,382.3	60.9	62.8	-65.77	7,740.9	-529.9	496.3	371.8	124.53	3.986
18,145.0	10,585.6	17,897.4	10,382.5	61.3	63.1	-65.76	7,785.9	-530.0	496.1	370.9	125.19	3.963
18,200.0	10,585.7	17,952.4	10,382.8	61.7	63.5	-65.76	7,840.9	-530.1	495.9	369.9	126.00	3.936
18,233.9	10,585.8	17,986.3	10,382.9	61.9	63.7	-65.75	7,874.8	-530.2	495.7	369.2	126.49	3.919
18,240.0	10,585.9	17,992.4	10,382.9	62.0	63.8	-65.75	7,880.9	-530.2	495.7	369.1	126.58	3.916
18,283.9	10,586.0	18,036.3	10,383.1	62.3	64.1	-65.75	7,924.8	-530.3	495.5	368.2	127.23	3.894
18,284.8	10,586.0	18,037.2	10,383.1	62.3	64.1	-65.75	7,925.8	-530.3	495.5	368.2	127.24	3.894

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: Reference		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-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 Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	1.5	1.5	3.0	3.0	-90.32	-0.3	-60.0	60.0					
95.0	95.0	96.5	96.5	3.0	3.0	-90.32	-0.3	-60.0	60.0	53.9	6.05	9.915		
100.0	100.0	101.5	101.5	3.0	3.0	-90.32	-0.3	-60.0	60.0	53.9	6.06	9.904		
190.0	190.0	191.5	191.5	3.1	3.1	-90.32	-0.3	-60.0	60.0	53.7	6.27	9.567		
200.0	200.0	201.5	201.5	3.2	3.2	-90.32	-0.3	-60.0	60.0	53.7	6.30	9.518		
285.0	285.0	286.5	286.5	3.3	3.3	-90.32	-0.3	-60.0	60.0	53.5	6.50	9.230		
300.0	300.0	301.5	301.5	3.3	3.3	-90.32	-0.3	-60.0	60.0	53.5	6.54	9.175		
380.0	380.0	381.5	381.5	3.4	3.4	-90.32	-0.3	-60.0	60.0	53.3	6.72	8.930		
400.0	400.0	401.5	401.5	3.4	3.4	-90.32	-0.3	-60.0	60.0	53.2	6.77	8.867		
475.0	475.0	476.5	476.5	3.5	3.5	-90.32	-0.3	-60.0	60.0	53.1	6.93	8.658		
500.0	500.0	501.5	501.5	3.5	3.5	-90.32	-0.3	-60.0	60.0	53.0	6.99	8.588		
570.0	570.0	571.5	571.5	3.6	3.6	-90.32	-0.3	-60.0	60.0	52.9	7.13	8.410		
600.0	600.0	601.5	601.5	3.6	3.7	-90.32	-0.3	-60.0	60.0	52.8	7.20	8.333		
665.0	665.0	666.5	666.5	3.7	3.7	-90.32	-0.3	-60.0	60.0	52.7	7.33	8.182		
700.0	700.0	701.5	701.5	3.8	3.8	-90.32	-0.3	-60.0	60.0	52.6	7.41	8.100		
760.0	760.0	761.5	761.5	3.8	3.8	-90.32	-0.3	-60.0	60.0	52.5	7.53	7.971		
800.0	800.0	801.5	801.5	3.9	3.9	-90.32	-0.3	-60.0	60.0	52.4	7.61	7.886		
855.0	855.0	856.5	856.5	4.0	4.0	-90.32	-0.3	-60.0	60.0	52.3	7.71	7.776		
900.0	900.0	901.5	901.5	4.0	4.0	-90.32	-0.3	-60.0	60.0	52.2	7.80	7.687		
950.0	950.0	951.5	951.5	4.1	4.1	-90.32	-0.3	-60.0	60.0	52.1	7.90	7.595		
1,000.0	1,000.0	1,001.5	1,001.5	4.1	4.1	-90.32	-0.3	-60.0	60.0	52.0	8.00	7.503		
1,045.0	1,045.0	1,046.5	1,046.5	4.2	4.2	-90.32	-0.3	-60.0	60.0	51.9	8.08	7.426		
1,100.0	1,100.0	1,101.5	1,101.5	4.3	4.3	-90.32	-0.3	-60.0	60.0	51.8	8.18	7.332		
1,140.0	1,140.0	1,141.5	1,141.5	4.3	4.3	-90.32	-0.3	-60.0	60.0	51.7	8.25	7.267		
1,200.0	1,200.0	1,201.5	1,201.5	4.4	4.4	-90.32	-0.3	-60.0	60.0	51.6	8.37	7.172		
1,235.0	1,235.0	1,236.5	1,236.5	4.4	4.4	-90.32	-0.3	-60.0	60.0	51.6	8.43	7.119		
1,300.0	1,300.0	1,301.5	1,301.5	4.5	4.5	-90.32	-0.3	-60.0	60.0	51.4	8.54	7.021		
1,330.0	1,330.0	1,331.5	1,331.5	4.5	4.5	-90.32	-0.3	-60.0	60.0	51.4	8.60	6.979		
1,400.0	1,400.0	1,401.5	1,401.5	4.6	4.6	-90.32	-0.3	-60.0	60.0	51.3	8.72	6.880		
1,425.0	1,425.0	1,426.5	1,426.5	4.6	4.6	-90.32	-0.3	-60.0	60.0	51.2	8.76	6.847		
1,437.0	1,437.0	1,438.5	1,438.5	4.7	4.7	-90.32	-0.3	-60.0	60.0	51.2	8.78	6.831 CC		
1,500.0	1,500.0	1,501.5	1,501.5	4.7	4.7	-90.32	-0.3	-60.0	60.0	51.1	8.89	6.746 ES		
1,520.0	1,520.0	1,521.1	1,521.1	4.8	4.7	-90.32	-0.3	-60.1	60.1	51.1	8.95	6.714 SF		
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-90.27	-0.3	-61.7	61.8	52.6	9.17	6.738		
1,615.0	1,615.0	1,614.1	1,614.0	4.9	4.8	-90.26	-0.3	-62.3	62.3	53.1	9.21	6.763		
1,700.0	1,700.0	1,697.1	1,696.9	5.0	5.0	-90.13	-0.2	-66.8	66.9	57.4	9.51	7.039		
1,710.0	1,710.0	1,706.8	1,706.6	5.0	5.0	-90.12	-0.1	-67.4	67.6	58.1	9.54	7.087		
1,800.0	1,800.0	1,794.3	1,793.8	5.1	5.2	-89.94	0.1	-75.1	75.5	65.6	9.86	7.658		
1,805.0	1,805.0	1,800.0	1,799.5	5.1	5.2	-89.93	0.1	-75.7	76.0	66.1	9.88	7.690		
1,900.0	1,900.0	1,890.8	1,889.6	5.2	5.5	-89.74	0.4	-86.6	87.4	77.2	10.21	8.558		
1,995.0	1,995.0	1,981.7	1,979.5	5.3	5.8	-89.56	0.8	-100.4	101.8	91.3	10.56	9.640		
2,000.0	2,000.0	1,986.5	1,984.2	5.3	5.8	-89.55	0.8	-101.2	102.7	92.1	10.58	9.702		
2,090.0	2,090.0	2,071.7	2,067.9	5.5	6.1	-89.40	1.2	-116.8	119.2	108.2	10.99	10.845		
2,100.0	2,100.0	2,081.1	2,077.1	5.5	6.1	-89.39	1.3	-118.7	121.2	110.2	11.04	10.981		
2,185.0	2,185.0	2,160.5	2,154.6	5.6	6.4	-89.27	1.7	-135.8	139.5	128.0	11.42	12.215		
2,200.0	2,200.0	2,174.4	2,168.2	5.6	6.5	-89.25	1.8	-139.0	142.9	131.4	11.49	12.444		
2,280.0	2,280.0	2,250.7	2,242.3	5.7	6.7	-89.15	2.3	-157.3	162.2	150.3	11.85	13.686		
2,300.0	2,300.0	2,270.1	2,261.1	5.7	6.8	-89.13	2.5	-162.0	167.0	155.1	11.94	13.986		
2,375.0	2,375.0	2,342.9	2,331.7	5.8	7.0	-89.06	2.9	-179.6	185.1	172.8	12.29	15.064		
2,400.0	2,400.0	2,367.2	2,355.2	5.9	7.1	-89.04	3.1	-185.5	191.2	178.8	12.41	15.406		
2,470.0	2,470.0	2,435.1	2,421.1	6.0	7.3	-88.99	3.5	-201.9	208.1	195.4	12.75	16.327		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-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)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,500.0	2,500.0	2,464.2	2,449.4	6.0	7.4	-88.98	3.7	-208.9	215.4	202.5	12.89	16.703		
2,565.0	2,565.0	2,527.3	2,510.6	6.1	7.7	-88.94	4.2	-224.2	231.1	217.9	13.22	17.486		
2,600.0	2,600.0	2,561.2	2,543.5	6.1	7.8	-88.92	4.4	-232.4	239.6	226.2	13.39	17.888		
2,660.0	2,660.0	2,619.4	2,600.0	6.2	8.0	-88.89	4.8	-246.5	254.1	240.4	13.70	18.551		
2,700.0	2,700.0	2,658.2	2,637.7	6.3	8.2	-88.88	5.0	-255.9	263.8	249.9	13.90	18.972		
2,755.0	2,755.0	2,711.6	2,689.5	6.3	8.4	-88.85	5.4	-268.8	277.1	262.9	14.19	19.531		
2,800.0	2,800.0	2,755.3	2,731.8	6.4	8.5	-88.84	5.7	-279.3	288.0	273.5	14.42	19.966		
2,850.0	2,850.0	2,803.8	2,778.9	6.4	8.7	-88.82	6.0	-291.1	300.1	285.4	14.68	20.434		
2,900.0	2,900.0	2,852.3	2,826.0	6.5	8.9	-88.81	6.3	-302.8	312.2	297.2	14.95	20.880		
2,945.0	2,945.0	2,896.0	2,868.3	6.6	9.1	-88.79	6.6	-313.4	323.0	307.9	15.19	21.268		
3,000.0	3,000.0	2,949.3	2,920.1	6.6	9.3	-88.78	6.9	-326.3	336.3	320.9	15.49	21.721		
3,040.0	3,040.0	2,988.1	2,957.8	6.7	9.5	-88.77	7.2	-335.7	346.0	330.3	15.70	22.040		
3,100.0	3,100.0	3,046.4	3,014.3	6.7	9.7	-88.76	7.6	-349.8	360.5	344.5	16.03	22.497		
3,135.0	3,135.0	3,080.3	3,047.2	6.8	9.8	-88.75	7.8	-358.0	369.0	352.8	16.22	22.755		
3,200.0	3,200.0	3,143.4	3,108.4	6.9	10.1	-88.74	8.2	-373.2	384.7	368.2	16.57	23.215		
3,230.0	3,230.0	3,172.5	3,136.7	6.9	10.2	-88.73	8.4	-380.3	392.0	375.3	16.74	23.421		
3,300.0	3,300.0	3,240.4	3,202.6	7.0	10.5	-88.72	8.9	-396.7	408.9	391.8	17.12	23.881		
3,325.0	3,325.0	3,264.7	3,226.1	7.0	10.6	-88.71	9.0	-402.6	415.0	397.7	17.26	24.040		
3,400.0	3,400.0	3,337.4	3,296.7	7.1	10.9	-88.70	9.5	-420.2	433.1	415.4	17.68	24.500		
3,420.0	3,420.0	3,356.9	3,315.5	7.1	11.0	-88.70	9.6	-424.8	438.0	420.2	17.79	24.618		
3,500.0	3,500.0	3,434.5	3,390.9	7.2	11.3	-88.69	10.2	-443.6	457.3	439.1	18.24	25.076		
3,515.0	3,515.0	3,449.0	3,405.0	7.2	11.4	-88.69	10.3	-447.1	460.9	442.6	18.32	25.159		
3,600.0	3,600.0	3,531.5	3,485.0	7.3	11.8	-88.67	10.8	-467.1	481.5	462.7	18.80	25.614		
3,610.0	3,610.0	3,541.2	3,494.4	7.3	11.8	-88.67	10.9	-469.4	483.9	465.1	18.86	25.665		
3,700.0	3,700.0	3,628.5	3,579.1	7.4	12.2	-88.66	11.4	-490.6	505.7	486.3	19.36	26.116		
3,705.0	3,705.0	3,633.4	3,583.9	7.4	12.2	-88.66	11.5	-491.7	506.9	487.5	19.39	26.141		
3,800.0	3,800.0	3,725.6	3,673.3	7.5	12.6	-88.65	12.1	-514.0	529.9	510.0	19.93	26.588		
3,895.0	3,895.0	3,817.7	3,762.7	7.7	13.0	-88.64	12.7	-536.3	552.9	532.4	20.47	27.008		
3,900.0	3,900.0	3,822.6	3,767.4	7.7	13.1	-88.64	12.7	-537.5	554.1	533.6	20.50	27.030		
3,990.0	3,990.0	3,909.9	3,852.2	7.8	13.5	-88.64	13.3	-558.6	575.9	554.9	21.01	27.406		
4,000.0	4,000.0	3,919.6	3,861.6	7.8	13.5	-88.63	13.4	-561.0	578.3	557.2	21.07	27.446		
4,085.0	4,085.0	4,002.1	3,941.6	7.9	13.9	-88.63	13.9	-580.9	598.9	577.3	21.56	27.781		
4,100.0	4,100.0	4,016.6	3,955.7	7.9	13.9	-88.63	14.0	-584.4	602.5	580.8	21.64	27.838		
4,180.0	4,180.0	4,094.3	4,031.0	8.0	14.3	-88.62	14.5	-603.2	621.8	599.7	22.10	28.135		
4,200.0	4,200.0	4,113.7	4,049.9	8.0	14.4	-88.62	14.7	-607.9	626.7	604.5	22.22	28.208		
4,275.0	4,275.0	4,186.5	4,120.5	8.1	14.7	-88.61	15.1	-625.5	644.8	622.2	22.65	28.472		
4,300.0	4,300.0	4,210.7	4,144.0	8.1	14.8	-88.61	15.3	-631.4	650.9	628.1	22.79	28.557		
4,370.0	4,370.0	4,278.6	4,209.9	8.2	15.1	-88.61	15.8	-647.8	667.8	644.6	23.20	28.791		
4,400.0	4,400.0	4,307.7	4,238.2	8.2	15.3	-88.61	15.9	-654.8	675.1	651.7	23.37	28.888		
4,465.0	4,465.0	4,370.8	4,299.4	8.3	15.6	-88.60	16.4	-670.1	690.8	667.1	23.74	29.094		
4,500.0	4,500.0	4,404.8	4,332.3	8.3	15.7	-88.60	16.6	-678.3	699.3	675.3	23.95	29.202		
4,560.0	4,560.0	4,463.0	4,388.8	8.4	16.0	-88.60	17.0	-692.4	713.8	689.5	24.29	29.382		
4,600.0	4,600.0	4,501.8	4,426.5	8.4	16.2	-88.59	17.2	-701.8	723.5	698.9	24.52	29.499		
4,655.0	4,655.0	4,555.2	4,478.2	8.5	16.4	-88.59	17.6	-714.7	736.8	711.9	24.84	29.657		
4,700.0	4,700.0	4,598.8	4,520.6	8.5	16.6	-88.59	17.9	-725.2	747.7	722.5	25.10	29.782		
4,750.0	4,750.0	4,647.3	4,567.7	8.6	16.9	-88.59	18.2	-737.0	759.8	734.4	25.39	29.919		
4,800.0	4,800.0	4,695.9	4,614.8	8.6	17.1	-88.58	18.5	-748.7	771.8	746.2	25.68	30.052		
4,845.0	4,845.0	4,739.5	4,657.1	8.7	17.3	-88.58	18.8	-759.2	782.7	756.8	25.95	30.169		
4,900.0	4,900.0	4,792.9	4,708.9	8.7	17.5	-88.58	19.2	-772.2	796.0	769.8	26.26	30.308		
4,940.0	4,940.0	4,831.7	4,746.6	8.8	17.7	-88.58	19.4	-781.5	805.7	779.2	26.50	30.408		
5,000.0	5,000.0	4,889.9	4,803.0	8.8	18.0	-88.57	19.8	-795.6	820.2	793.4	26.85	30.553		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	5,035.0	4,923.9	4,836.0	8.9	18.2	-88.57	20.0	-803.8	828.7	801.7	27.05	30.636	
5,100.0	5,100.0	4,986.9	4,897.2	9.0	18.5	-88.57	20.4	-819.1	844.4	817.0	27.43	30.787	
5,130.0	5,130.0	5,016.0	4,925.4	9.0	18.6	-88.57	20.6	-826.1	851.7	824.1	27.60	30.855	
5,200.0	5,200.0	5,084.0	4,991.3	9.1	18.9	-88.57	21.1	-842.6	868.6	840.6	28.01	31.010	
5,225.0	5,225.0	5,108.2	5,014.9	9.1	19.0	-88.57	21.2	-848.4	874.7	846.5	28.16	31.064	
5,300.0	5,300.0	5,181.0	5,085.5	9.2	19.4	-88.56	21.7	-866.0	892.8	864.2	28.59	31.224	
5,320.0	5,320.0	5,200.4	5,104.3	9.2	19.5	-88.56	21.9	-870.7	897.7	868.9	28.71	31.265	
5,400.0	5,400.0	5,278.0	5,179.6	9.3	19.8	-88.56	22.4	-889.5	917.0	887.8	29.18	31.428	
5,415.0	5,415.0	5,292.6	5,193.8	9.3	19.9	-88.56	22.5	-893.0	920.6	891.4	29.27	31.458	
5,500.0	5,500.0	5,375.1	5,273.8	9.4	20.3	-88.56	23.0	-913.0	941.2	911.4	29.76	31.623	
5,510.0	5,510.0	5,384.8	5,283.2	9.4	20.3	-88.56	23.1	-915.3	943.6	913.8	29.82	31.642	
5,600.0	5,600.0	5,506.6	5,401.9	9.5	20.9	-88.55	23.8	-943.0	964.2	933.6	30.54	31.566	
5,605.0	5,605.0	5,514.0	5,409.1	9.5	21.0	-88.55	23.9	-944.5	965.2	934.6	30.59	31.555	
5,700.0	5,700.0	5,655.6	5,548.3	9.6	21.6	-88.55	24.6	-970.0	982.3	951.0	31.34	31.344	
5,795.0	5,795.0	5,799.4	5,690.9	9.7	22.3	-88.55	25.1	-988.9	994.8	962.8	32.01	31.081	
5,800.0	5,800.0	5,807.0	5,698.5	9.7	22.3	-88.55	25.1	-989.7	995.3	963.3	32.04	31.065	
5,890.0	5,890.0	5,944.8	5,835.8	9.8	22.8	-88.55	25.4	-1,000.6	1,002.5	969.9	32.55	30.803	
5,900.0	5,900.0	5,960.2	5,851.1	9.8	22.9	-88.55	25.4	-1,001.4	1,003.0	970.4	32.59	30.773	
5,985.0	5,985.0	6,091.0	5,981.9	9.9	23.2	-88.54	25.5	-1,005.0	1,005.3	972.5	32.82	30.636	
6,000.0	6,000.0	6,114.1	6,005.0	9.9	23.2	-88.54	25.5	-1,005.0	1,005.4	972.5	32.84	30.616	
6,004.7	6,004.7	6,121.3	6,012.2	9.9	23.2	-88.54	25.5	-1,005.0	1,005.3	972.5	32.84	30.609	
6,080.0	6,080.0	6,190.6	6,081.5	10.0	23.2	-88.54	25.5	-1,005.0	1,005.4	972.4	32.94	30.518	
6,100.0	6,100.0	6,210.6	6,101.5	10.0	23.2	-88.54	25.5	-1,005.0	1,005.4	972.4	32.97	30.493	
6,175.0	6,175.0	6,285.6	6,176.5	10.1	23.3	-88.54	25.5	-1,005.0	1,005.4	972.3	33.07	30.399	
6,200.0	6,200.0	6,310.6	6,201.5	10.1	23.3	-88.54	25.5	-1,005.0	1,005.4	972.3	33.11	30.368	
6,270.0	6,270.0	6,380.6	6,271.5	10.1	23.3	-88.54	25.5	-1,005.0	1,005.4	972.2	33.20	30.282	
6,300.0	6,300.0	6,410.6	6,301.5	10.2	23.3	-88.54	25.5	-1,005.0	1,005.4	972.1	33.24	30.245	
6,365.0	6,365.0	6,475.6	6,366.5	10.2	23.3	-88.54	25.5	-1,005.0	1,005.4	972.0	33.33	30.165	
6,400.0	6,400.0	6,510.6	6,401.5	10.3	23.3	-88.54	25.5	-1,005.0	1,005.4	972.0	33.38	30.123	
6,460.0	6,460.0	6,570.6	6,461.5	10.3	23.4	-88.54	25.5	-1,005.0	1,005.4	971.9	33.46	30.050	
6,500.0	6,500.0	6,610.6	6,501.5	10.4	23.4	-88.54	25.5	-1,005.0	1,005.4	971.9	33.51	30.002	
6,555.0	6,555.0	6,665.6	6,556.5	10.4	23.4	-88.54	25.5	-1,005.0	1,005.4	971.8	33.58	29.936	
6,600.0	6,600.0	6,710.6	6,601.5	10.5	23.4	-88.54	25.5	-1,005.0	1,005.4	971.7	33.64	29.882	
6,650.0	6,650.0	6,760.6	6,651.5	10.5	23.4	-88.54	25.5	-1,005.0	1,005.4	971.7	33.71	29.822	
6,700.0	6,700.0	6,810.6	6,701.5	10.6	23.4	-88.54	25.5	-1,005.0	1,005.4	971.6	33.78	29.763	
6,745.0	6,745.0	6,855.6	6,746.5	10.6	23.5	-88.54	25.5	-1,005.0	1,005.4	971.5	33.84	29.710	
6,800.0	6,800.0	6,910.6	6,801.5	10.7	23.5	-88.54	25.5	-1,005.0	1,005.4	971.5	33.91	29.645	
6,840.0	6,840.0	6,950.6	6,841.5	10.7	23.5	-88.54	25.5	-1,005.0	1,005.4	971.4	33.97	29.598	
6,900.0	6,900.0	7,010.6	6,901.5	10.8	23.5	-88.54	25.5	-1,005.0	1,005.4	971.3	34.05	29.528	
6,935.0	6,935.0	7,045.6	6,936.5	10.8	23.5	-88.54	25.5	-1,005.0	1,005.4	971.3	34.09	29.488	
7,000.0	7,000.0	7,110.6	7,001.5	10.9	23.5	-88.54	25.5	-1,005.0	1,005.4	971.2	34.18	29.412	
7,030.0	7,030.0	7,140.6	7,031.5	10.9	23.6	-88.54	25.5	-1,005.0	1,005.4	971.1	34.22	29.378	
7,100.0	7,100.0	7,210.6	7,101.5	11.0	23.6	-88.54	25.5	-1,005.0	1,005.4	971.0	34.32	29.297	
7,125.0	7,125.0	7,235.6	7,126.5	11.0	23.6	-88.54	25.5	-1,005.0	1,005.4	971.0	34.35	29.269	
7,200.0	7,200.0	7,310.6	7,201.5	11.1	23.6	-88.54	25.5	-1,005.0	1,005.4	970.9	34.45	29.183	
7,220.0	7,220.0	7,330.6	7,221.5	11.1	23.6	-88.54	25.5	-1,005.0	1,005.4	970.9	34.48	29.161	
7,300.0	7,300.0	7,410.6	7,301.5	11.2	23.6	-88.54	25.5	-1,005.0	1,005.4	970.8	34.58	29.070	
7,315.0	7,315.0	7,425.6	7,316.5	11.2	23.7	-88.54	25.5	-1,005.0	1,005.4	970.8	34.60	29.054	
7,400.0	7,400.0	7,510.6	7,401.5	11.3	23.7	-88.54	25.5	-1,005.0	1,005.4	970.6	34.72	28.958	
7,410.0	7,410.0	7,520.6	7,411.5	11.3	23.7	-88.54	25.5	-1,005.0	1,005.4	970.6	34.73	28.947	
7,500.0	7,500.0	7,610.6	7,501.5	11.4	23.7	-88.54	25.5	-1,005.0	1,005.4	970.5	34.85	28.847	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1											Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-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	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)	
7,505.0	7,505.0	7,615.6	7,506.5	11.4	23.7	-88.54	25.5	-1,005.0	1,005.4	970.5	34.86	28.842
7,600.0	7,600.0	7,710.6	7,601.5	11.4	23.8	-88.54	25.5	-1,005.0	1,005.4	970.4	34.99	28.737
7,695.0	7,695.0	7,805.6	7,696.5	11.5	23.8	-88.54	25.5	-1,005.0	1,005.4	970.3	35.11	28.633
7,700.0	7,700.0	7,810.6	7,701.5	11.5	23.8	-88.54	25.5	-1,005.0	1,005.4	970.2	35.12	28.627
7,790.0	7,790.0	7,900.6	7,791.5	11.6	23.8	-88.54	25.5	-1,005.0	1,005.4	970.1	35.24	28.530
7,800.0	7,800.0	7,910.6	7,801.5	11.6	23.8	-88.54	25.5	-1,005.0	1,005.4	970.1	35.25	28.519
7,885.0	7,885.0	7,995.6	7,886.5	11.7	23.9	-88.54	25.5	-1,005.0	1,005.4	970.0	35.37	28.427
7,900.0	7,900.0	8,010.6	7,901.5	11.7	23.9	-88.54	25.5	-1,005.0	1,005.4	970.0	35.39	28.411
7,980.0	7,980.0	8,090.6	7,981.5	11.8	23.9	-88.54	25.5	-1,005.0	1,005.4	969.9	35.49	28.326
8,000.0	8,000.0	8,110.6	8,001.5	11.8	23.9	-88.54	25.5	-1,005.0	1,005.4	969.8	35.52	28.304
8,075.0	8,075.0	8,185.6	8,076.5	11.9	23.9	-88.54	25.5	-1,005.0	1,005.4	969.7	35.62	28.225
8,100.0	8,100.0	8,210.6	8,101.5	11.9	23.9	-88.54	25.5	-1,005.0	1,005.4	969.7	35.65	28.198
8,170.0	8,170.0	8,280.6	8,171.5	12.0	24.0	-88.54	25.5	-1,005.0	1,005.4	969.6	35.75	28.124
8,200.0	8,200.0	8,310.6	8,201.5	12.0	24.0	-88.54	25.5	-1,005.0	1,005.4	969.6	35.79	28.093
8,265.0	8,265.0	8,375.6	8,266.5	12.1	24.0	-88.54	25.5	-1,005.0	1,005.4	969.5	35.87	28.025
8,300.0	8,300.0	8,410.6	8,301.5	12.1	24.0	-88.54	25.5	-1,005.0	1,005.4	969.4	35.92	27.988
8,360.0	8,360.0	8,470.6	8,361.5	12.2	24.0	-88.54	25.5	-1,005.0	1,005.4	969.4	36.00	27.926
8,400.0	8,400.0	8,510.6	8,401.5	12.2	24.0	-88.54	25.5	-1,005.0	1,005.4	969.3	36.05	27.885
8,455.0	8,455.0	8,565.6	8,456.5	12.3	24.1	-88.54	25.5	-1,005.0	1,005.4	969.2	36.13	27.828
8,500.0	8,500.0	8,610.6	8,501.5	12.3	24.1	-88.54	25.5	-1,005.0	1,005.4	969.2	36.19	27.782
8,550.0	8,550.0	8,660.6	8,551.5	12.4	24.1	-88.54	25.5	-1,005.0	1,005.4	969.1	36.25	27.730
8,600.0	8,600.0	8,710.6	8,601.5	12.4	24.1	-88.54	25.5	-1,005.0	1,005.4	969.0	36.32	27.679
8,645.0	8,645.0	8,755.6	8,646.5	12.4	24.1	-88.54	25.5	-1,005.0	1,005.4	969.0	36.38	27.634
8,700.0	8,700.0	8,810.6	8,701.5	12.5	24.2	-88.54	25.5	-1,005.0	1,005.4	968.9	36.46	27.578
8,740.0	8,740.0	8,850.6	8,741.5	12.5	24.2	-88.54	25.5	-1,005.0	1,005.4	968.9	36.51	27.538
8,800.0	8,800.0	8,910.6	8,801.5	12.6	24.2	-88.54	25.5	-1,005.0	1,005.4	968.8	36.59	27.477
8,835.0	8,835.0	8,945.6	8,836.5	12.6	24.2	-88.54	25.5	-1,005.0	1,005.4	968.7	36.64	27.442
8,900.0	8,900.0	9,010.6	8,901.5	12.7	24.2	-88.54	25.5	-1,005.0	1,005.4	968.6	36.72	27.377
8,930.0	8,930.0	9,040.6	8,931.5	12.7	24.2	-88.54	25.5	-1,005.0	1,005.4	968.6	36.76	27.347
9,000.0	9,000.0	9,110.6	9,001.5	12.8	24.3	-88.54	25.5	-1,005.0	1,005.4	968.5	36.86	27.278
9,025.0	9,025.0	9,135.6	9,026.5	12.8	24.3	-88.54	25.5	-1,005.0	1,005.4	968.5	36.89	27.253
9,100.0	9,100.0	9,210.6	9,101.5	12.9	24.3	-88.54	25.5	-1,005.0	1,005.4	968.4	36.99	27.179
9,120.0	9,120.0	9,230.6	9,121.5	12.9	24.3	-88.54	25.5	-1,005.0	1,005.4	968.3	37.02	27.160
9,200.0	9,200.0	9,310.6	9,201.5	13.0	24.4	-88.54	25.5	-1,005.0	1,005.4	968.2	37.12	27.081
9,215.0	9,215.0	9,325.6	9,216.5	13.0	24.4	-88.54	25.5	-1,005.0	1,005.4	968.2	37.14	27.067
9,300.0	9,300.0	9,410.6	9,301.5	13.1	24.4	-88.54	25.5	-1,005.0	1,005.4	968.1	37.26	26.984
9,310.0	9,310.0	9,420.6	9,311.5	13.1	24.4	-88.54	25.5	-1,005.0	1,005.4	968.1	37.27	26.974
9,400.0	9,400.0	9,510.6	9,401.5	13.1	24.4	-88.54	25.5	-1,005.0	1,005.4	968.0	37.39	26.888
9,405.0	9,405.0	9,515.6	9,406.5	13.2	24.4	-88.54	25.5	-1,005.0	1,005.4	968.0	37.40	26.883
9,500.0	9,500.0	9,610.6	9,501.5	13.2	24.5	-88.54	25.5	-1,005.0	1,005.4	967.8	37.53	26.792
9,595.0	9,595.0	9,705.6	9,596.5	13.3	24.5	-88.54	25.5	-1,005.0	1,005.4	967.7	37.65	26.701
9,600.0	9,600.0	9,710.6	9,601.5	13.3	24.5	-88.54	25.5	-1,005.0	1,005.4	967.7	37.66	26.696
9,690.0	9,690.0	9,800.6	9,691.5	13.4	24.5	-88.54	25.5	-1,005.0	1,005.4	967.6	37.78	26.611
9,700.0	9,700.0	9,810.6	9,701.5	13.4	24.6	-88.54	25.5	-1,005.0	1,005.4	967.6	37.79	26.602
9,785.0	9,785.0	9,895.6	9,786.5	13.5	24.6	-88.54	25.5	-1,005.0	1,005.4	967.5	37.91	26.522
9,800.0	9,800.0	9,910.6	9,801.5	13.5	24.6	-88.54	25.5	-1,005.0	1,005.4	967.4	37.93	26.508
9,880.0	9,880.0	9,990.6	9,881.5	13.6	24.6	-88.54	25.5	-1,005.0	1,005.4	967.3	38.03	26.433
9,900.0	9,900.0	10,010.6	9,901.5	13.6	24.6	-88.54	25.5	-1,005.0	1,005.4	967.3	38.06	26.415
9,910.1	9,910.1	10,020.7	9,911.6	13.6	24.6	-88.54	25.5	-1,005.0	1,005.4	967.3	38.07	26.407
9,975.0	9,975.0	10,085.3	9,976.2	13.7	24.7	-88.54	25.6	-1,005.0	1,005.4	967.2	38.15	26.353
10,000.0	10,000.0	10,109.1	10,000.0	13.7	24.7	-88.50	26.3	-1,005.0	1,005.4	967.2	38.18	26.333

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-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)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)		Ellipses (usft)			
10,070.0	10,070.0	10,175.0	10,065.5	13.7	24.7	-88.09	33.5	-1,005.1	1,005.6	967.4	38.25	26.291	
10,085.5	10,085.5	10,189.4	10,079.6	13.8	24.7	-87.94	36.1	-1,005.1	1,005.7	967.5	38.27	26.281	
10,100.0	10,100.0	10,202.7	10,092.6	13.8	24.7	-84.74	38.8	-1,005.1	1,005.8	967.6	38.28	26.278	
10,125.0	10,125.0	10,225.5	10,114.8	13.8	24.7	-84.49	44.1	-1,005.1	1,006.0	967.7	38.29	26.270	
10,150.0	10,149.8	10,250.0	10,138.4	13.8	24.7	-84.25	50.8	-1,005.1	1,006.0	967.7	38.30	26.264	
10,150.8	10,150.6	10,250.0	10,138.4	13.8	24.7	-84.25	50.8	-1,005.1	1,006.0	967.7	38.31	26.262	
10,165.0	10,164.6	10,261.9	10,149.7	13.8	24.7	-84.15	54.4	-1,005.1	1,006.0	967.7	38.32	26.253	
10,175.0	10,174.5	10,270.9	10,158.3	13.8	24.7	-84.07	57.3	-1,005.1	1,006.0	967.7	38.33	26.247	
10,200.0	10,198.9	10,293.5	10,179.4	13.8	24.7	-83.90	65.2	-1,005.1	1,005.9	967.6	38.35	26.233	
10,225.0	10,223.0	10,315.9	10,200.2	13.8	24.7	-83.75	73.8	-1,005.1	1,005.8	967.4	38.37	26.216	
10,250.0	10,246.8	10,338.3	10,220.5	13.9	24.7	-83.63	83.2	-1,005.2	1,005.6	967.2	38.39	26.196	
10,260.0	10,256.1	10,347.3	10,228.5	13.9	24.7	-83.59	87.1	-1,005.2	1,005.4	967.1	38.39	26.188	
10,275.0	10,270.1	10,360.7	10,240.4	13.9	24.7	-83.54	93.3	-1,005.2	1,005.3	966.9	38.41	26.174	
10,300.0	10,292.9	10,383.0	10,259.8	13.9	24.7	-83.47	104.2	-1,005.2	1,004.9	966.5	38.43	26.150	
10,325.0	10,315.1	10,405.2	10,278.8	13.9	24.7	-83.43	115.8	-1,005.2	1,004.4	966.0	38.45	26.123	
10,350.0	10,336.7	10,427.4	10,297.3	13.9	24.7	-83.41	128.2	-1,005.2	1,003.9	965.4	38.47	26.093	
10,355.0	10,340.9	10,431.8	10,300.9	14.0	24.7	-83.41	130.7	-1,005.2	1,003.8	965.3	38.48	26.087	
10,375.0	10,357.6	10,450.0	10,315.6	14.0	24.7	-83.42	141.4	-1,005.3	1,003.3	964.8	38.49	26.062	
10,400.0	10,377.8	10,471.7	10,332.6	14.0	24.7	-83.46	154.8	-1,005.3	1,002.6	964.1	38.52	26.027	
10,425.0	10,397.1	10,493.8	10,349.5	14.0	24.7	-83.52	169.2	-1,005.3	1,001.8	963.3	38.55	25.990	
10,450.0	10,415.6	10,516.0	10,365.8	14.1	24.7	-83.61	184.1	-1,005.3	1,001.0	962.4	38.57	25.950	
10,475.0	10,433.2	10,538.1	10,381.5	14.1	24.7	-83.73	199.7	-1,005.4	1,000.0	961.4	38.60	25.908	
10,500.0	10,449.9	10,560.2	10,396.5	14.1	24.7	-83.87	215.9	-1,005.4	999.0	960.4	38.63	25.863	
10,525.0	10,465.5	10,582.3	10,411.0	14.2	24.7	-84.04	232.7	-1,005.4	998.0	959.3	38.66	25.816	
10,545.0	10,477.3	10,600.0	10,422.1	14.2	24.8	-84.19	246.4	-1,005.5	997.1	958.4	38.68	25.776	
10,550.0	10,480.1	10,604.5	10,424.8	14.2	24.8	-84.23	250.0	-1,005.5	996.9	958.2	38.69	25.766	
10,575.0	10,493.7	10,626.7	10,438.0	14.2	24.8	-84.44	267.8	-1,005.5	995.7	957.0	38.72	25.714	
10,600.0	10,506.1	10,650.0	10,451.0	14.2	24.8	-84.69	287.2	-1,005.5	994.4	955.7	38.75	25.661	
10,625.0	10,517.3	10,671.2	10,462.2	14.3	24.8	-84.95	305.1	-1,005.6	993.1	954.4	38.79	25.603	
10,640.0	10,523.5	10,684.5	10,468.9	14.3	24.8	-85.12	316.7	-1,005.6	992.3	953.5	38.81	25.568	
10,650.0	10,527.4	10,693.5	10,473.3	14.3	24.8	-85.24	324.5	-1,005.6	991.8	953.0	38.83	25.545	
10,675.0	10,536.3	10,715.9	10,483.6	14.3	24.8	-85.55	344.4	-1,005.7	990.4	951.6	38.86	25.484	
10,700.0	10,543.9	10,738.3	10,493.1	14.3	24.8	-85.88	364.7	-1,005.7	989.0	950.1	38.90	25.421	
10,725.0	10,550.3	10,760.9	10,501.9	14.4	24.9	-86.24	385.5	-1,005.7	987.6	948.6	38.95	25.357	
10,735.0	10,552.5	10,769.9	10,505.2	14.4	24.9	-86.39	393.9	-1,005.8	987.0	948.0	38.96	25.331	
10,750.0	10,555.4	10,783.5	10,509.9	14.4	24.9	-86.61	406.6	-1,005.8	986.1	947.1	38.99	25.291	
10,775.0	10,559.2	10,806.2	10,517.1	14.4	24.9	-87.01	428.2	-1,005.8	984.7	945.6	39.04	25.224	
10,800.0	10,561.7	10,829.0	10,523.5	14.4	24.9	-87.42	450.1	-1,005.9	983.2	944.1	39.09	25.155	
10,825.0	10,562.9	10,852.0	10,529.0	14.4	24.9	-87.85	472.4	-1,005.9	981.7	942.6	39.14	25.085	
10,830.0	10,563.0	10,856.6	10,529.9	14.4	24.9	-87.94	476.9	-1,005.9	981.4	942.3	39.15	25.071	
10,834.1	10,563.0	10,860.3	10,530.7	14.4	24.9	-88.01	480.5	-1,005.9	981.2	942.0	39.16	25.059	
10,900.0	10,563.2	10,922.3	10,540.2	14.4	25.0	-88.56	541.7	-1,006.0	978.3	938.9	39.33	24.871	
10,925.0	10,563.3	10,946.2	10,542.1	14.4	25.0	-88.66	565.6	-1,006.1	977.6	938.2	39.42	24.802	
10,967.3	10,563.4	10,987.3	10,543.0	14.4	25.1	-88.72	606.7	-1,006.2	977.1	937.5	39.57	24.691	
11,000.0	10,563.5	11,020.0	10,543.2	14.5	25.1	-88.72	639.4	-1,006.2	976.9	937.2	39.70	24.607	
11,020.0	10,563.6	11,040.0	10,543.3	14.5	25.2	-88.72	659.4	-1,006.3	976.8	937.0	39.79	24.549	
11,100.0	10,563.8	11,120.0	10,543.6	14.8	25.3	-88.72	739.4	-1,006.4	976.4	936.3	40.16	24.317	
11,115.0	10,563.9	11,135.0	10,543.7	14.8	25.3	-88.73	754.4	-1,006.4	976.4	936.1	40.23	24.269	
11,200.0	10,564.1	11,220.0	10,544.0	15.1	25.5	-88.73	839.4	-1,006.6	976.0	935.3	40.66	24.000	
11,210.0	10,564.2	11,230.0	10,544.1	15.1	25.5	-88.73	849.4	-1,006.6	975.9	935.2	40.72	23.966	
11,300.0	10,564.4	11,320.0	10,544.4	15.4	25.7	-88.74	939.4	-1,006.8	975.5	934.3	41.23	23.662	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
11,305.0	10,564.5	11,325.0	10,544.5	15.5	25.7	-88.74	944.4	-1,006.8	975.5	934.2	41.26	23.644		
11,400.0	10,564.7	11,420.0	10,544.9	15.8	25.9	-88.74	1,039.4	-1,007.0	975.0	933.2	41.84	23.305		
11,495.0	10,565.0	11,515.0	10,545.3	16.2	26.2	-88.75	1,134.4	-1,007.2	974.5	932.1	42.46	22.952		
11,500.0	10,565.1	11,520.0	10,545.3	16.2	26.2	-88.75	1,139.4	-1,007.2	974.5	932.0	42.49	22.933		
11,590.0	10,565.3	11,610.0	10,545.7	16.6	26.4	-88.75	1,229.4	-1,007.4	974.1	931.0	43.12	22.587		
11,600.0	10,565.4	11,620.0	10,545.7	16.7	26.5	-88.75	1,239.4	-1,007.4	974.0	930.8	43.20	22.549		
11,685.0	10,565.6	11,705.0	10,546.1	17.1	26.7	-88.76	1,324.4	-1,007.5	973.6	929.8	43.83	22.215		
11,700.0	10,565.7	11,720.0	10,546.1	17.1	26.8	-88.76	1,339.4	-1,007.6	973.6	929.6	43.94	22.156		
11,780.0	10,565.9	11,800.0	10,546.5	17.5	27.0	-88.76	1,419.4	-1,007.7	973.2	928.6	44.57	21.837		
11,800.0	10,566.0	11,820.0	10,546.5	17.6	27.1	-88.77	1,439.4	-1,007.8	973.1	928.3	44.73	21.757		
11,875.0	10,566.2	11,895.0	10,546.8	18.0	27.3	-88.77	1,514.4	-1,007.9	972.7	927.4	45.34	21.454		
11,900.0	10,566.3	11,920.0	10,547.0	18.1	27.4	-88.77	1,539.4	-1,008.0	972.6	927.0	45.55	21.353		
11,970.0	10,566.5	11,990.0	10,547.2	18.5	27.6	-88.78	1,609.4	-1,008.1	972.3	926.1	46.14	21.070		
12,000.0	10,566.6	12,020.0	10,547.4	18.6	27.7	-88.78	1,639.4	-1,008.2	972.1	925.7	46.40	20.949		
12,065.0	10,566.8	12,085.0	10,547.6	19.0	28.0	-88.78	1,704.4	-1,008.3	971.8	924.8	46.98	20.685		
12,100.0	10,566.9	12,120.0	10,547.8	19.2	28.1	-88.78	1,739.4	-1,008.3	971.6	924.3	47.29	20.544		
12,160.0	10,567.1	12,180.0	10,548.0	19.5	28.3	-88.79	1,799.4	-1,008.5	971.3	923.5	47.84	20.302		
12,200.0	10,567.2	12,220.0	10,548.2	19.7	28.5	-88.79	1,839.4	-1,008.5	971.1	922.9	48.21	20.142		
12,255.0	10,567.4	12,275.0	10,548.4	20.0	28.7	-88.79	1,894.4	-1,008.6	970.9	922.1	48.74	19.921		
12,300.0	10,567.5	12,320.0	10,548.6	20.3	28.9	-88.80	1,939.4	-1,008.7	970.7	921.5	49.17	19.743		
12,350.0	10,567.7	12,370.0	10,548.8	20.6	29.1	-88.80	1,989.4	-1,008.8	970.4	920.8	49.65	19.544		
12,400.0	10,567.8	12,420.0	10,549.1	20.9	29.3	-88.80	2,039.4	-1,008.9	970.2	920.0	50.14	19.348		
12,445.0	10,568.0	12,465.0	10,549.2	21.1	29.5	-88.80	2,084.4	-1,009.0	970.0	919.4	50.59	19.172		
12,500.0	10,568.1	12,520.0	10,549.5	21.4	29.7	-88.81	2,139.4	-1,009.1	969.7	918.5	51.15	18.959		
12,540.0	10,568.3	12,560.0	10,549.6	21.7	29.9	-88.81	2,179.4	-1,009.2	969.5	917.9	51.56	18.804		
12,600.0	10,568.5	12,620.0	10,549.9	22.0	30.1	-88.81	2,239.4	-1,009.3	969.2	917.0	52.18	18.576		
12,635.0	10,568.6	12,655.0	10,550.0	22.2	30.3	-88.82	2,274.3	-1,009.4	969.0	916.5	52.54	18.443		
12,700.0	10,568.8	12,720.0	10,550.3	22.6	30.6	-88.82	2,339.3	-1,009.5	968.7	915.5	53.23	18.200		
12,730.0	10,568.9	12,750.0	10,550.4	22.8	30.7	-88.82	2,369.3	-1,009.6	968.6	915.0	53.55	18.088		
12,800.0	10,569.1	12,820.0	10,550.7	23.3	31.0	-88.82	2,439.3	-1,009.7	968.2	914.0	54.30	17.832		
12,825.0	10,569.1	12,845.0	10,550.8	23.4	31.2	-88.83	2,464.3	-1,009.7	968.1	913.6	54.57	17.740		
12,900.0	10,569.4	12,920.0	10,551.1	23.9	31.5	-88.83	2,539.3	-1,009.9	967.8	912.4	55.39	17.471		
12,920.0	10,569.4	12,940.0	10,551.2	24.0	31.6	-88.83	2,559.3	-1,009.9	967.7	912.1	55.61	17.400		
13,000.0	10,569.7	13,020.0	10,551.6	24.5	32.0	-88.84	2,639.3	-1,010.1	967.3	910.8	56.51	17.119		
13,015.0	10,569.7	13,035.0	10,551.6	24.6	32.1	-88.84	2,654.3	-1,010.1	967.2	910.5	56.67	17.066		
13,100.0	10,570.0	13,120.0	10,552.0	25.2	32.5	-88.84	2,739.3	-1,010.3	966.8	909.2	57.64	16.774		
13,110.0	10,570.0	13,130.0	10,552.0	25.2	32.5	-88.84	2,749.3	-1,010.3	966.8	909.0	57.75	16.740		
13,200.0	10,570.3	13,220.0	10,552.4	25.8	33.0	-88.85	2,839.3	-1,010.5	966.3	907.5	58.78	16.439		
13,205.0	10,570.3	13,225.0	10,552.4	25.8	33.0	-88.85	2,844.3	-1,010.5	966.3	907.5	58.84	16.422		
13,300.0	10,570.6	13,320.0	10,552.8	26.5	33.5	-88.85	2,939.3	-1,010.7	965.8	905.9	59.95	16.111		
13,395.0	10,570.9	13,415.0	10,553.2	27.1	34.0	-88.86	3,034.3	-1,010.8	965.4	904.3	61.07	15.809		
13,400.0	10,570.9	13,420.0	10,553.2	27.1	34.0	-88.86	3,039.3	-1,010.9	965.4	904.2	61.13	15.793		
13,490.0	10,571.2	13,510.0	10,553.6	27.7	34.5	-88.87	3,129.3	-1,011.0	964.9	902.7	62.20	15.513		
13,500.0	10,571.2	13,520.0	10,553.7	27.8	34.6	-88.87	3,139.3	-1,011.0	964.9	902.6	62.32	15.483		
13,585.0	10,571.5	13,605.0	10,554.0	28.4	35.0	-88.87	3,224.3	-1,011.2	964.5	901.1	63.34	15.226		
13,600.0	10,571.5	13,620.0	10,554.1	28.5	35.1	-88.87	3,239.3	-1,011.2	964.4	900.9	63.53	15.181		
13,680.0	10,571.8	13,700.0	10,554.4	29.0	35.5	-88.88	3,319.3	-1,011.4	964.0	899.5	64.50	14.945		
13,700.0	10,571.8	13,720.0	10,554.5	29.1	35.7	-88.88	3,339.3	-1,011.4	963.9	899.2	64.75	14.887		
13,775.0	10,572.1	13,795.0	10,554.8	29.6	36.1	-88.88	3,414.3	-1,011.6	963.5	897.9	65.67	14.673		
13,800.0	10,572.2	13,820.0	10,554.9	29.8	36.2	-88.88	3,439.3	-1,011.6	963.4	897.4	65.98	14.602		
13,870.0	10,572.4	13,890.0	10,555.2	30.3	36.6	-88.89	3,509.3	-1,011.8	963.1	896.2	66.85	14.407		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
13,900.0	10,572.5	13,920.0	10,555.3	30.5	36.8	-88.89	3,539.3	-1,011.8	962.9	895.7	67.22	14.325		
13,965.0	10,572.7	13,985.0	10,555.6	30.9	37.1	-88.89	3,604.3	-1,011.9	962.6	894.6	68.04	14.149		
14,000.0	10,572.8	14,020.0	10,555.8	31.2	37.3	-88.90	3,639.3	-1,012.0	962.5	894.0	68.48	14.055		
14,060.0	10,573.0	14,080.0	10,556.0	31.6	37.7	-88.90	3,699.3	-1,012.1	962.2	892.9	69.24	13.897		
14,100.0	10,573.1	14,120.0	10,556.2	31.9	37.9	-88.90	3,739.3	-1,012.2	962.0	892.2	69.74	13.793		
14,155.0	10,573.3	14,175.0	10,556.4	32.3	38.2	-88.91	3,794.3	-1,012.3	961.7	891.3	70.44	13.652		
14,200.0	10,573.4	14,220.0	10,556.6	32.6	38.5	-88.91	3,839.3	-1,012.4	961.5	890.5	71.02	13.539		
14,250.0	10,573.5	14,270.0	10,556.8	32.9	38.8	-88.91	3,889.3	-1,012.5	961.3	889.6	71.66	13.414		
14,300.0	10,573.7	14,320.0	10,557.0	33.3	39.1	-88.92	3,939.3	-1,012.6	961.0	888.7	72.30	13.292		
14,345.0	10,573.8	14,365.0	10,557.2	33.6	39.4	-88.92	3,984.3	-1,012.7	960.8	887.9	72.88	13.183		
14,400.0	10,574.0	14,420.0	10,557.4	34.0	39.7	-88.92	4,039.3	-1,012.8	960.5	886.9	73.60	13.052		
14,440.0	10,574.1	14,460.0	10,557.6	34.2	39.9	-88.92	4,079.3	-1,012.9	960.3	886.2	74.12	12.957		
14,500.0	10,574.3	14,520.0	10,557.9	34.7	40.3	-88.93	4,139.3	-1,013.0	960.1	885.2	74.90	12.818		
14,535.0	10,574.4	14,555.0	10,558.0	34.9	40.5	-88.93	4,174.3	-1,013.0	959.9	884.5	75.35	12.738		
14,600.0	10,574.6	14,620.0	10,558.3	35.4	40.9	-88.93	4,239.3	-1,013.2	959.6	883.4	76.21	12.592		
14,630.0	10,574.7	14,650.0	10,558.4	35.6	41.1	-88.94	4,269.3	-1,013.2	959.4	882.8	76.60	12.525		
14,700.0	10,574.9	14,720.0	10,558.7	36.1	41.5	-88.94	4,339.3	-1,013.4	959.1	881.6	77.52	12.372		
14,725.0	10,575.0	14,745.0	10,558.8	36.3	41.7	-88.94	4,364.3	-1,013.4	959.0	881.1	77.85	12.317		
14,800.0	10,575.2	14,820.0	10,559.1	36.8	42.1	-88.95	4,439.3	-1,013.6	958.6	879.8	78.85	12.158		
14,820.0	10,575.3	14,840.0	10,559.2	36.9	42.2	-88.95	4,459.3	-1,013.6	958.5	879.4	79.11	12.116		
14,900.0	10,575.6	14,920.0	10,559.5	37.5	42.7	-88.95	4,539.3	-1,013.7	958.1	877.9	80.18	11.950		
14,915.0	10,575.6	14,935.0	10,559.6	37.6	42.8	-88.95	4,554.3	-1,013.8	958.1	877.7	80.38	11.919		
15,000.0	10,575.9	15,020.0	10,560.0	38.2	43.4	-88.96	4,639.3	-1,013.9	957.6	876.1	81.52	11.748		
15,010.0	10,575.9	15,030.0	10,560.0	38.3	43.4	-88.96	4,649.3	-1,014.0	957.6	875.9	81.65	11.728		
15,100.0	10,576.2	15,120.0	10,560.4	38.9	44.0	-88.96	4,739.3	-1,014.1	957.2	874.3	82.86	11.551		
15,105.0	10,576.2	15,125.0	10,560.4	39.0	44.0	-88.96	4,744.3	-1,014.1	957.1	874.2	82.93	11.542		
15,200.0	10,576.5	15,220.0	10,560.8	39.6	44.6	-88.97	4,839.3	-1,014.3	956.7	872.5	84.21	11.360		
15,295.0	10,576.8	15,315.0	10,561.2	40.3	45.2	-88.98	4,934.3	-1,014.5	956.2	870.7	85.50	11.184		
15,300.0	10,576.8	15,320.0	10,561.2	40.4	45.3	-88.98	4,939.3	-1,014.5	956.2	870.6	85.57	11.175		
15,390.0	10,577.1	15,410.0	10,561.6	41.0	45.8	-88.98	5,029.3	-1,014.7	955.8	869.0	86.79	11.012		
15,400.0	10,577.1	15,420.0	10,561.6	41.1	45.9	-88.98	5,039.3	-1,014.7	955.7	868.8	86.93	10.994		
15,485.0	10,577.4	15,505.0	10,562.0	41.7	46.5	-88.99	5,124.3	-1,014.9	955.3	867.2	88.09	10.844		
15,500.0	10,577.4	15,520.0	10,562.0	41.8	46.6	-88.99	5,139.3	-1,014.9	955.2	866.9	88.30	10.818		
15,580.0	10,577.7	15,600.0	10,562.4	42.4	47.1	-88.99	5,219.3	-1,015.1	954.8	865.5	89.39	10.681		
15,600.0	10,577.7	15,620.0	10,562.5	42.5	47.2	-88.99	5,239.3	-1,015.1	954.8	865.1	89.67	10.648		
15,675.0	10,577.9	15,695.0	10,562.8	43.1	47.7	-89.00	5,314.3	-1,015.2	954.4	863.7	90.70	10.522		
15,700.0	10,578.0	15,720.0	10,562.9	43.3	47.9	-89.00	5,339.3	-1,015.3	954.3	863.2	91.05	10.481		
15,770.0	10,578.2	15,790.0	10,563.2	43.8	48.3	-89.00	5,409.3	-1,015.4	953.9	861.9	92.01	10.367		
15,800.0	10,578.3	15,820.0	10,563.3	44.0	48.5	-89.01	5,439.3	-1,015.5	953.8	861.4	92.43	10.319		
15,865.0	10,578.5	15,885.0	10,563.6	44.5	48.9	-89.01	5,504.3	-1,015.6	953.5	860.1	93.33	10.216		
15,900.0	10,578.6	15,920.0	10,563.7	44.7	49.2	-89.01	5,539.3	-1,015.7	953.3	859.5	93.81	10.162		
15,960.0	10,578.8	15,980.0	10,564.0	45.1	49.6	-89.02	5,599.3	-1,015.8	953.0	858.4	94.65	10.069		
16,000.0	10,578.9	16,020.0	10,564.1	45.4	49.8	-89.02	5,639.3	-1,015.9	952.8	857.6	95.20	10.008		
16,055.0	10,579.1	16,075.0	10,564.4	45.8	50.2	-89.02	5,694.3	-1,016.0	952.6	856.6	95.97	9.926		
16,100.0	10,579.3	16,120.0	10,564.6	46.2	50.5	-89.02	5,739.3	-1,016.1	952.3	855.7	96.60	9.859		
16,150.0	10,579.4	16,170.0	10,564.8	46.5	50.8	-89.03	5,789.3	-1,016.2	952.1	854.8	97.29	9.786		
16,200.0	10,579.6	16,220.0	10,565.0	46.9	51.2	-89.03	5,839.3	-1,016.3	951.9	853.9	97.99	9.713		
16,245.0	10,579.7	16,265.0	10,565.2	47.2	51.5	-89.03	5,884.3	-1,016.3	951.6	853.0	98.62	9.649		
16,300.0	10,579.9	16,320.0	10,565.4	47.6	51.8	-89.04	5,939.3	-1,016.5	951.4	852.0	99.40	9.572		
16,340.0	10,580.0	16,360.0	10,565.6	47.9	52.1	-89.04	5,979.3	-1,016.5	951.2	851.2	99.96	9.516		
16,400.0	10,580.2	16,420.0	10,565.8	48.4	52.5	-89.04	6,039.3	-1,016.6	950.9	850.1	100.80	9.433		

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Rule Assigned:			Distance		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,435.0	10,580.3	16,455.0	10,566.0	48.6	52.7	-89.05	6,074.3	-1,016.7	950.7	849.4	101.29	9.386	
16,500.0	10,580.5	16,520.0	10,566.2	49.1	53.2	-89.05	6,139.3	-1,016.8	950.4	848.2	102.21	9.299	
16,530.0	10,580.6	16,550.0	10,566.4	49.3	53.4	-89.05	6,169.3	-1,016.9	950.3	847.6	102.63	9.259	
16,600.0	10,580.8	16,620.0	10,566.7	49.8	53.9	-89.06	6,239.3	-1,017.0	949.9	846.3	103.62	9.167	
16,625.0	10,580.9	16,645.0	10,566.8	50.0	54.0	-89.06	6,264.3	-1,017.1	949.8	845.8	103.97	9.135	
16,700.0	10,581.1	16,720.0	10,567.1	50.6	54.5	-89.06	6,339.3	-1,017.2	949.5	844.4	105.04	9.039	
16,720.0	10,581.2	16,740.0	10,567.2	50.7	54.7	-89.06	6,359.3	-1,017.3	949.4	844.0	105.32	9.014	
16,800.0	10,581.4	16,820.0	10,567.5	51.3	55.2	-89.07	6,439.3	-1,017.4	949.0	842.5	106.45	8.914	
16,815.0	10,581.5	16,835.0	10,567.6	51.4	55.3	-89.07	6,454.3	-1,017.4	948.9	842.2	106.67	8.896	
16,900.0	10,581.7	16,920.0	10,567.9	52.0	55.9	-89.07	6,539.3	-1,017.6	948.5	840.6	107.87	8.793	
16,910.0	10,581.8	16,930.0	10,568.0	52.1	56.0	-89.07	6,549.3	-1,017.6	948.4	840.4	108.02	8.781	
17,000.0	10,582.0	17,020.0	10,568.3	52.8	56.6	-89.08	6,639.3	-1,017.8	948.0	838.7	109.30	8.674	
17,005.0	10,582.1	17,025.0	10,568.4	52.8	56.6	-89.08	6,644.3	-1,017.8	948.0	838.6	109.37	8.668	
17,100.0	10,582.3	17,120.0	10,568.8	53.5	57.3	-89.09	6,739.2	-1,018.0	947.5	836.8	110.72	8.558	
17,195.0	10,582.6	17,215.0	10,569.2	54.2	57.9	-89.09	6,834.2	-1,018.2	947.1	835.0	112.08	8.450	
17,200.0	10,582.7	17,220.0	10,569.2	54.3	58.0	-89.09	6,839.2	-1,018.2	947.0	834.9	112.15	8.444	
17,290.0	10,582.9	17,310.0	10,569.6	54.9	58.6	-89.10	6,929.2	-1,018.4	946.6	833.2	113.44	8.345	
17,300.0	10,583.0	17,320.0	10,569.6	55.0	58.7	-89.10	6,939.2	-1,018.4	946.6	833.0	113.58	8.334	
17,385.0	10,583.2	17,405.0	10,570.0	55.6	59.2	-89.10	7,024.2	-1,018.5	946.2	831.4	114.80	8.242	
17,400.0	10,583.3	17,420.0	10,570.0	55.7	59.3	-89.11	7,039.2	-1,018.6	946.1	831.1	115.02	8.226	
17,480.0	10,583.5	17,500.0	10,570.4	56.3	59.9	-89.11	7,119.2	-1,018.7	945.7	829.5	116.17	8.141	
17,500.0	10,583.6	17,520.0	10,570.4	56.5	60.0	-89.11	7,139.2	-1,018.8	945.6	829.1	116.45	8.120	
17,575.0	10,583.8	17,595.0	10,570.7	57.0	60.6	-89.12	7,214.2	-1,018.9	945.2	827.7	117.53	8.042	
17,600.0	10,583.9	17,620.0	10,570.9	57.2	60.7	-89.12	7,239.2	-1,019.0	945.1	827.2	117.89	8.017	
17,670.0	10,584.1	17,689.9	10,571.1	57.7	61.2	-89.12	7,309.2	-1,019.1	944.8	825.9	118.90	7.946	
17,700.0	10,584.2	17,719.9	10,571.3	58.0	61.4	-89.12	7,339.2	-1,019.2	944.6	825.3	119.33	7.916	
17,765.0	10,584.4	17,784.9	10,571.5	58.5	61.9	-89.13	7,404.2	-1,019.3	944.3	824.1	120.27	7.852	
17,800.0	10,584.5	17,819.9	10,571.7	58.7	62.1	-89.13	7,439.2	-1,019.3	944.2	823.4	120.77	7.817	
17,860.0	10,584.7	17,879.9	10,571.9	59.2	62.6	-89.13	7,499.2	-1,019.5	943.9	822.2	121.64	7.759	
17,900.0	10,584.8	17,919.9	10,572.1	59.5	62.8	-89.14	7,539.2	-1,019.5	943.7	821.5	122.22	7.721	
17,955.0	10,585.0	17,974.9	10,572.3	59.9	63.2	-89.14	7,594.2	-1,019.6	943.4	820.4	123.01	7.669	
18,000.0	10,585.1	18,019.9	10,572.5	60.2	63.5	-89.14	7,639.2	-1,019.7	943.2	819.5	123.67	7.627	
18,050.0	10,585.3	18,069.9	10,572.7	60.6	63.9	-89.15	7,689.2	-1,019.8	943.0	818.6	124.39	7.581	
18,100.0	10,585.4	18,119.9	10,573.0	60.9	64.2	-89.15	7,739.2	-1,019.9	942.7	817.6	125.11	7.535	
18,145.0	10,585.6	18,164.9	10,573.1	61.3	64.6	-89.15	7,784.2	-1,020.0	942.5	816.7	125.77	7.494	
18,200.0	10,585.7	18,219.9	10,573.4	61.7	64.9	-89.16	7,839.2	-1,020.1	942.2	815.7	126.56	7.445	
18,233.9	10,585.8	18,253.8	10,573.5	61.9	65.2	-89.16	7,873.1	-1,020.2	942.1	815.0	127.05	7.415	
18,240.0	10,585.9	18,259.9	10,573.5	62.0	65.2	-89.16	7,879.2	-1,020.2	942.0	814.9	127.14	7.409	
18,283.9	10,586.0	18,303.8	10,573.7	62.3	65.5	-89.16	7,923.1	-1,020.3	941.8	814.0	127.78	7.371	
18,284.8	10,586.0	18,304.8	10,573.7	62.3	65.5	-89.16	7,924.0	-1,020.3	941.8	814.0	127.79	7.370	

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.9	1.9	3.0	3.0	-90.22	-0.3	-89.9	90.0					
95.0	95.0	96.9	96.9	3.0	3.0	-90.22	-0.3	-89.9	90.0	83.9	6.05	14.865		
100.0	100.0	101.9	101.9	3.0	3.0	-90.22	-0.3	-89.9	90.0	83.9	6.06	14.849		
190.0	190.0	191.9	191.9	3.1	3.1	-90.22	-0.3	-89.9	90.0	83.7	6.27	14.343		
200.0	200.0	201.9	201.9	3.2	3.2	-90.22	-0.3	-89.9	90.0	83.6	6.30	14.271		
285.0	285.0	286.9	286.9	3.3	3.3	-90.22	-0.3	-89.9	90.0	83.5	6.50	13.839		
300.0	300.0	301.9	301.9	3.3	3.3	-90.22	-0.3	-89.9	90.0	83.4	6.54	13.757		
380.0	380.0	381.9	381.9	3.4	3.4	-90.22	-0.3	-89.9	90.0	83.2	6.72	13.389		
400.0	400.0	401.9	401.9	3.4	3.4	-90.22	-0.3	-89.9	90.0	83.2	6.77	13.294		
475.0	475.0	476.9	476.9	3.5	3.5	-90.22	-0.3	-89.9	90.0	83.0	6.93	12.981		
500.0	500.0	501.9	501.9	3.5	3.5	-90.22	-0.3	-89.9	90.0	83.0	6.99	12.876		
570.0	570.0	571.9	571.9	3.6	3.6	-90.22	-0.3	-89.9	90.0	82.8	7.13	12.609		
600.0	600.0	601.9	601.9	3.6	3.7	-90.22	-0.3	-89.9	90.0	82.8	7.20	12.494		
665.0	665.0	666.9	666.9	3.7	3.7	-90.22	-0.3	-89.9	90.0	82.6	7.33	12.267		
700.0	700.0	701.9	701.9	3.8	3.8	-90.22	-0.3	-89.9	90.0	82.5	7.41	12.145		
760.0	760.0	761.9	761.9	3.8	3.8	-90.22	-0.3	-89.9	90.0	82.4	7.53	11.951		
800.0	800.0	801.9	801.9	3.9	3.9	-90.22	-0.3	-89.9	90.0	82.3	7.61	11.823		
855.0	855.0	856.9	856.9	4.0	4.0	-90.22	-0.3	-89.9	90.0	82.2	7.72	11.659		
900.0	900.0	901.9	901.9	4.0	4.0	-90.22	-0.3	-89.9	90.0	82.1	7.80	11.526		
950.0	950.0	951.9	951.9	4.1	4.1	-90.22	-0.3	-89.9	90.0	82.1	7.90	11.387		
1,000.0	1,000.0	1,001.9	1,001.9	4.1	4.1	-90.22	-0.3	-89.9	90.0	82.0	8.00	11.250		
1,045.0	1,045.0	1,046.9	1,046.9	4.2	4.2	-90.22	-0.3	-89.9	90.0	81.9	8.08	11.134		
1,100.0	1,100.0	1,101.9	1,101.9	4.3	4.3	-90.22	-0.3	-89.9	90.0	81.8	8.18	10.993		
1,140.0	1,140.0	1,141.9	1,141.9	4.3	4.3	-90.22	-0.3	-89.9	90.0	81.7	8.26	10.896		
1,200.0	1,200.0	1,201.9	1,201.9	4.4	4.4	-90.22	-0.3	-89.9	90.0	81.6	8.37	10.753		
1,235.0	1,235.0	1,236.9	1,236.9	4.4	4.4	-90.22	-0.3	-89.9	90.0	81.5	8.43	10.673		
1,300.0	1,300.0	1,301.9	1,301.9	4.5	4.5	-90.22	-0.3	-89.9	90.0	81.4	8.54	10.527		
1,330.0	1,330.0	1,331.9	1,331.9	4.5	4.5	-90.22	-0.3	-89.9	90.0	81.4	8.60	10.463		
1,400.0	1,400.0	1,401.9	1,401.9	4.6	4.6	-90.22	-0.3	-89.9	90.0	81.2	8.72	10.316		
1,425.0	1,425.0	1,426.9	1,426.9	4.6	4.6	-90.22	-0.3	-89.9	90.0	81.2	8.76	10.266		
1,436.9	1,436.9	1,438.8	1,438.8	4.7	4.7	-90.22	-0.3	-89.9	90.0	81.2	8.78	10.242 CC		
1,500.0	1,500.0	1,501.8	1,501.8	4.7	4.7	-90.22	-0.3	-90.0	90.0	81.1	8.89	10.115 ES		
1,520.0	1,520.0	1,521.3	1,521.3	4.8	4.7	-90.21	-0.3	-90.0	90.0	81.1	8.95	10.064		
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-89.94	0.1	-91.6	91.7	82.5	9.16	10.007 SF		
1,615.0	1,615.0	1,613.4	1,613.4	4.9	4.9	-89.86	0.2	-92.1	92.2	83.0	9.20	10.016		
1,700.0	1,700.0	1,695.7	1,695.5	5.0	5.0	-89.19	1.4	-96.4	96.6	87.1	9.49	10.180		
1,710.0	1,710.0	1,705.3	1,705.1	5.0	5.0	-89.09	1.5	-97.1	97.3	87.8	9.53	10.215		
1,800.0	1,800.0	1,792.0	1,791.5	5.1	5.2	-88.09	3.5	-104.3	104.9	95.1	9.84	10.664		
1,805.0	1,805.0	1,796.8	1,796.3	5.1	5.3	-88.03	3.6	-104.8	105.4	95.5	9.85	10.696		
1,900.0	1,900.0	1,887.7	1,886.5	5.2	5.5	-86.83	6.4	-115.3	116.5	106.3	10.19	11.429		
1,995.0	1,995.0	1,977.8	1,975.6	5.3	5.8	-85.60	9.9	-128.4	130.5	120.0	10.54	12.385		
2,000.0	2,000.0	1,982.5	1,980.2	5.3	5.8	-85.54	10.1	-129.1	131.3	120.8	10.55	12.441		
2,090.0	2,090.0	2,067.0	2,063.3	5.5	6.1	-84.43	14.0	-144.0	147.5	136.5	10.96	13.451		
2,100.0	2,100.0	2,076.3	2,072.4	5.5	6.1	-84.31	14.5	-145.8	149.4	138.4	11.01	13.573		
2,185.0	2,185.0	2,155.0	2,149.3	5.6	6.4	-83.37	18.8	-162.0	167.4	156.0	11.39	14.692		
2,200.0	2,200.0	2,168.8	2,162.8	5.6	6.5	-83.21	19.6	-165.1	170.8	159.3	11.46	14.902		
2,280.0	2,280.0	2,244.6	2,236.3	5.7	6.7	-82.41	24.3	-182.6	189.8	177.9	11.82	16.051		
2,300.0	2,300.0	2,264.0	2,255.2	5.7	6.8	-82.23	25.5	-187.1	194.6	182.7	11.92	16.329		
2,375.0	2,375.0	2,336.8	2,325.8	5.8	7.0	-81.62	30.1	-204.2	212.6	200.3	12.27	17.330		
2,400.0	2,400.0	2,361.0	2,349.3	5.9	7.1	-81.44	31.6	-209.8	218.6	206.2	12.39	17.648		
2,470.0	2,470.0	2,429.0	2,415.2	6.0	7.3	-80.99	35.8	-225.7	235.5	222.7	12.73	18.502		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error: 3.0 usft	
Measured	Reference	Measured	Vertical	Reference	Offset	Highside			Distance					
Depth	Vertical	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation		Warning
(usft)	Depth	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor		
									(usft)	(usft)	(usft)			
2,500.0	2,500.0	2,458.1	2,443.5	6.0	7.4	-80.81	37.6	-232.5	242.7	229.8	12.87	18.850		
2,565.0	2,565.0	2,521.1	2,504.7	6.1	7.7	-80.46	41.5	-247.3	258.3	245.1	13.20	19.576		
2,600.0	2,600.0	2,555.1	2,537.6	6.1	7.8	-80.29	43.6	-255.2	266.8	253.4	13.37	19.948		
2,660.0	2,660.0	2,613.3	2,594.1	6.2	8.0	-80.03	47.3	-268.8	281.2	267.6	13.68	20.562		
2,700.0	2,700.0	2,652.1	2,631.8	6.3	8.1	-79.86	49.7	-277.9	290.9	277.0	13.88	20.951		
2,755.0	2,755.0	2,705.5	2,683.5	6.3	8.3	-79.65	53.0	-290.4	304.1	290.0	14.17	21.468		
2,800.0	2,800.0	2,749.2	2,725.9	6.4	8.5	-79.50	55.7	-300.6	315.0	300.6	14.40	21.870		
2,850.0	2,850.0	2,797.7	2,773.0	6.4	8.7	-79.33	58.7	-311.9	327.1	312.4	14.67	22.302		
2,900.0	2,900.0	2,846.2	2,820.1	6.5	8.9	-79.18	61.8	-323.2	339.1	324.2	14.93	22.712		
2,945.0	2,945.0	2,889.9	2,862.4	6.6	9.1	-79.06	64.5	-333.5	350.0	334.8	15.17	23.070		
3,000.0	3,000.0	2,943.2	2,914.2	6.6	9.3	-78.91	67.8	-345.9	363.3	347.8	15.47	23.487		
3,040.0	3,040.0	2,982.0	2,951.9	6.7	9.4	-78.81	70.2	-355.0	372.9	357.2	15.68	23.781		
3,100.0	3,100.0	3,040.3	3,008.4	6.7	9.7	-78.67	73.8	-368.6	387.4	371.4	16.01	24.202		
3,135.0	3,135.0	3,074.2	3,041.3	6.8	9.8	-78.60	76.0	-376.6	395.9	379.7	16.20	24.439		
3,200.0	3,200.0	3,137.3	3,102.5	6.9	10.1	-78.46	79.9	-391.3	411.6	395.0	16.55	24.862		
3,230.0	3,230.0	3,166.4	3,130.7	6.9	10.2	-78.40	81.7	-398.1	418.8	402.1	16.72	25.050		
3,300.0	3,300.0	3,234.3	3,196.6	7.0	10.5	-78.27	85.9	-414.0	435.7	418.6	17.10	25.473		
3,325.0	3,325.0	3,258.6	3,220.2	7.0	10.6	-78.23	87.4	-419.7	441.7	424.5	17.24	25.619		
3,400.0	3,400.0	3,331.3	3,290.8	7.1	10.9	-78.11	92.0	-436.7	459.9	442.2	17.66	26.040		
3,420.0	3,420.0	3,350.7	3,309.6	7.1	11.0	-78.08	93.2	-441.2	464.7	446.9	17.77	26.149		
3,500.0	3,500.0	3,428.4	3,384.9	7.2	11.3	-77.96	98.0	-459.3	484.0	465.8	18.22	26.568		
3,515.0	3,515.0	3,442.9	3,399.1	7.2	11.4	-77.94	98.9	-462.8	487.7	469.4	18.30	26.644		
3,600.0	3,600.0	3,525.4	3,479.1	7.3	11.8	-77.82	104.0	-482.0	508.2	489.4	18.78	27.060		
3,610.0	3,610.0	3,535.1	3,488.5	7.3	11.8	-77.81	104.6	-484.3	510.6	491.8	18.84	27.108		
3,700.0	3,700.0	3,622.4	3,573.2	7.4	12.2	-77.70	110.1	-504.7	532.4	513.0	19.34	27.520		
3,705.0	3,705.0	3,627.3	3,577.9	7.4	12.2	-77.69	110.4	-505.9	533.6	514.2	19.37	27.542		
3,800.0	3,800.0	3,719.5	3,667.4	7.5	12.6	-77.58	116.1	-527.4	556.5	536.6	19.91	27.951		
3,895.0	3,895.0	3,811.6	3,756.8	7.7	13.0	-77.48	121.9	-548.9	579.5	559.0	20.45	28.335		
3,900.0	3,900.0	3,816.5	3,761.5	7.7	13.0	-77.48	122.2	-550.1	580.7	560.2	20.48	28.355		
3,990.0	3,990.0	3,903.8	3,846.3	7.8	13.4	-77.39	127.6	-570.5	602.5	581.5	20.99	28.697		
4,000.0	4,000.0	3,913.5	3,855.7	7.8	13.5	-77.38	128.2	-572.8	604.9	583.8	21.05	28.734		
4,085.0	4,085.0	3,996.0	3,935.7	7.9	13.9	-77.31	133.3	-592.0	625.4	603.9	21.54	29.040		
4,100.0	4,100.0	4,010.5	3,949.8	7.9	13.9	-77.30	134.2	-595.5	629.1	607.4	21.62	29.092		
4,180.0	4,180.0	4,088.2	4,025.1	8.0	14.3	-77.23	139.1	-613.6	648.4	626.3	22.08	29.363		
4,200.0	4,200.0	4,107.6	4,044.0	8.0	14.4	-77.21	140.3	-618.1	653.2	631.0	22.20	29.429		
4,275.0	4,275.0	4,180.4	4,114.6	8.1	14.7	-77.16	144.8	-635.1	671.4	648.7	22.63	29.669		
4,300.0	4,300.0	4,204.6	4,138.1	8.1	14.8	-77.14	146.3	-640.8	677.4	654.6	22.77	29.747		
4,370.0	4,370.0	4,272.5	4,204.0	8.2	15.1	-77.09	150.5	-656.7	694.3	671.2	23.18	29.960		
4,400.0	4,400.0	4,301.6	4,232.3	8.2	15.3	-77.07	152.4	-663.5	701.6	678.2	23.35	30.049		
4,465.0	4,465.0	4,364.7	4,293.5	8.3	15.6	-77.02	156.3	-678.2	717.3	693.6	23.72	30.236		
4,500.0	4,500.0	4,398.7	4,326.4	8.3	15.7	-77.00	158.4	-686.2	725.8	701.8	23.93	30.334		
4,560.0	4,560.0	4,456.9	4,382.9	8.4	16.0	-76.96	162.0	-699.8	740.3	716.0	24.27	30.498		
4,600.0	4,600.0	4,495.7	4,420.6	8.4	16.2	-76.94	164.4	-708.9	749.9	725.4	24.50	30.605		
4,655.0	4,655.0	4,549.1	4,472.3	8.5	16.4	-76.91	167.8	-721.3	763.2	738.4	24.82	30.748		
4,700.0	4,700.0	4,592.7	4,514.7	8.5	16.6	-76.88	170.5	-731.6	774.1	749.0	25.08	30.862		
4,750.0	4,750.0	4,641.2	4,561.8	8.6	16.8	-76.85	173.5	-742.9	786.2	760.8	25.37	30.986		
4,800.0	4,800.0	4,689.8	4,608.9	8.6	17.1	-76.83	176.5	-754.2	798.3	772.6	25.66	31.107		
4,845.0	4,845.0	4,733.4	4,651.2	8.7	17.3	-76.80	179.2	-764.4	809.2	783.3	25.92	31.213		
4,900.0	4,900.0	4,786.8	4,703.0	8.7	17.5	-76.78	182.6	-776.9	822.5	796.2	26.24	31.340		
4,940.0	4,940.0	4,825.6	4,740.7	8.8	17.7	-76.76	185.0	-786.0	832.2	805.7	26.48	31.430		
5,000.0	5,000.0	4,883.8	4,797.1	8.8	18.0	-76.73	188.6	-799.6	846.7	819.8	26.83	31.562		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-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	
5,035.0	5,035.0	4,917.8	4,830.1	8.9	18.1	-76.71		190.7	-807.5	855.1	828.1	27.03	31.638	
5,100.0	5,100.0	4,980.8	4,891.3	9.0	18.4	-76.68		194.6	-822.3	870.9	843.4	27.41	31.774	
5,130.0	5,130.0	5,010.0	4,919.5	9.0	18.6	-76.67		196.4	-829.1	878.1	850.5	27.58	31.836	
5,200.0	5,200.0	5,077.9	4,985.4	9.1	18.9	-76.64		200.7	-845.0	895.0	867.0	27.99	31.977	
5,225.0	5,225.0	5,102.1	5,009.0	9.1	19.0	-76.63		202.2	-850.6	901.1	873.0	28.14	32.027	
5,300.0	5,300.0	5,174.9	5,079.6	9.2	19.3	-76.60		206.7	-867.7	919.2	890.7	28.57	32.171	
5,320.0	5,320.0	5,194.3	5,098.4	9.2	19.4	-76.59		207.9	-872.2	924.1	895.4	28.69	32.209	
5,400.0	5,400.0	5,271.9	5,173.7	9.3	19.8	-76.56		212.7	-890.3	943.4	914.3	29.16	32.357	
5,415.0	5,415.0	5,286.5	5,187.9	9.3	19.9	-76.56		213.7	-893.7	947.0	917.8	29.24	32.384	
5,500.0	5,500.0	5,369.0	5,267.9	9.4	20.3	-76.52		218.8	-913.0	967.6	937.9	29.74	32.535	
5,510.0	5,510.0	5,378.7	5,277.3	9.4	20.3	-76.52		219.4	-915.3	970.0	940.2	29.80	32.552	
5,600.0	5,600.0	5,466.0	5,362.0	9.5	20.7	-76.49		224.8	-935.7	991.8	961.5	30.32	32.705	
5,605.0	5,605.0	5,470.8	5,366.7	9.5	20.8	-76.49		225.1	-936.8	993.0	962.6	30.35	32.714	
5,700.0	5,700.0	5,563.0	5,456.2	9.6	21.2	-76.46		230.9	-958.4	1,016.0	985.1	30.91	32.869	
5,795.0	5,795.0	5,655.2	5,545.6	9.7	21.6	-76.43		236.6	-979.9	1,038.9	1,007.5	31.47	33.019	
5,800.0	5,800.0	5,660.1	5,550.3	9.7	21.7	-76.42		236.9	-981.1	1,040.2	1,008.7	31.49	33.026	
5,890.0	5,890.0	5,747.4	5,635.1	9.8	22.1	-76.40		242.3	-1,001.5	1,061.9	1,029.9	32.02	33.163	
5,900.0	5,900.0	5,757.1	5,644.5	9.8	22.1	-76.39		242.9	-1,003.8	1,064.3	1,032.3	32.08	33.178	
5,985.0	5,985.0	5,839.6	5,724.5	9.9	22.5	-76.37		248.1	-1,023.0	1,084.9	1,052.3	32.58	33.302	
6,000.0	6,000.0	5,854.1	5,738.6	9.9	22.6	-76.36		249.0	-1,026.4	1,088.5	1,055.9	32.67	33.323	
6,080.0	6,080.0	5,931.7	5,813.9	10.0	23.0	-76.34		253.8	-1,044.6	1,107.9	1,074.7	33.13	33.436	
6,100.0	6,100.0	5,951.1	5,832.8	10.0	23.0	-76.34		255.0	-1,049.1	1,112.7	1,079.5	33.25	33.463	
6,175.0	6,175.0	6,023.9	5,903.4	10.1	23.4	-76.32		259.6	-1,066.1	1,130.9	1,097.2	33.69	33.565	
6,200.0	6,200.0	6,048.2	5,926.9	10.1	23.5	-76.31		261.1	-1,071.8	1,136.9	1,103.1	33.84	33.598	
6,270.0	6,270.0	6,116.1	5,992.8	10.1	23.8	-76.29		265.3	-1,087.7	1,153.8	1,119.6	34.25	33.690	
6,300.0	6,300.0	6,145.2	6,021.1	10.2	24.0	-76.29		267.1	-1,094.5	1,161.1	1,126.7	34.42	33.728	
6,365.0	6,365.0	6,208.3	6,082.3	10.2	24.3	-76.27		271.0	-1,109.2	1,176.8	1,142.0	34.81	33.810	
6,400.0	6,400.0	6,242.2	6,115.2	10.3	24.4	-76.26		273.1	-1,117.2	1,185.3	1,150.3	35.01	33.854	
6,460.0	6,460.0	6,300.4	6,171.7	10.3	24.7	-76.25		276.8	-1,130.8	1,199.8	1,164.4	35.36	33.927	
6,500.0	6,500.0	6,339.3	6,209.4	10.4	24.9	-76.24		279.2	-1,139.9	1,209.5	1,173.9	35.60	33.975	
6,555.0	6,555.0	6,392.6	6,261.1	10.4	25.2	-76.23		282.5	-1,152.3	1,222.8	1,186.8	35.92	34.040	
6,600.0	6,600.0	6,436.3	6,303.5	10.5	25.4	-76.22		285.2	-1,162.5	1,233.6	1,197.5	36.19	34.092	
6,650.0	6,650.0	6,484.8	6,350.6	10.5	25.6	-76.20		288.2	-1,173.9	1,245.7	1,209.3	36.48	34.149	
6,700.0	6,700.0	6,533.3	6,397.7	10.6	25.8	-76.19		291.3	-1,185.2	1,257.8	1,221.1	36.77	34.204	
6,745.0	6,745.0	6,577.0	6,440.0	10.6	26.1	-76.18		294.0	-1,195.4	1,268.7	1,231.7	37.04	34.254	
6,800.0	6,800.0	6,630.3	6,491.8	10.7	26.3	-76.17		297.3	-1,207.9	1,282.0	1,244.7	37.36	34.314	
6,840.0	6,840.0	6,669.2	6,529.5	10.7	26.5	-76.16		299.7	-1,217.0	1,291.7	1,254.1	37.60	34.356	
6,900.0	6,900.0	6,727.4	6,585.9	10.8	26.8	-76.15		303.3	-1,230.6	1,306.2	1,268.3	37.95	34.419	
6,935.0	6,935.0	6,761.3	6,618.9	10.8	26.9	-76.15		305.5	-1,238.5	1,314.7	1,276.5	38.16	34.455	

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP														Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD														Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
+N/-S (usft)	+E/-W (usft)														
0.0	0.0	0.0	0.0	3.0	3.0	-89.27	11.1	-875.1	876.0						
95.0	95.0	56.1	56.1	3.0	3.1	-89.27	11.1	-875.1	875.1	869.0	6.09	143.602			
100.0	100.0	61.1	61.1	3.0	3.1	-89.27	11.1	-875.1	875.1	869.0	6.11	143.217			
190.0	190.0	151.1	151.1	3.1	3.5	-89.27	11.1	-875.1	875.1	868.5	6.61	132.450			
200.0	200.0	161.1	161.1	3.2	3.5	-89.27	11.1	-875.1	875.1	868.4	6.68	130.942			
285.0	285.0	246.1	246.1	3.3	4.4	-89.27	11.1	-875.1	875.1	867.5	7.65	114.408			
300.0	300.0	261.1	261.1	3.3	4.8	-89.27	11.1	-875.1	875.1	867.1	8.02	109.142			
380.0	380.0	341.1	341.1	3.4	6.8	-89.24	11.6	-875.1	875.1	864.9	10.20	85.757			
400.0	400.0	361.2	361.2	3.4	7.4	-89.24	11.6	-875.1	875.1	864.3	10.79	81.105			
475.0	475.0	436.3	436.1	3.5	9.7	-89.27	11.1	-875.1	875.1	862.0	13.18	66.407			
500.0	500.0	461.3	461.1	3.5	10.7	-89.27	11.1	-875.1	875.1	861.0	14.16	61.798			
570.0	570.0	531.3	531.1	3.6	13.4	-89.19	12.4	-875.1	875.1	858.2	16.94	51.651			
600.0	600.0	561.5	561.2	3.6	14.6	-89.20	12.2	-875.1	875.1	857.0	18.15	48.211			
665.0	665.0	626.5	626.1	3.7	17.1	-89.27	11.1	-875.1	875.1	854.4	20.74	42.196			
700.0	700.0	661.5	661.1	3.8	18.3	-89.27	11.1	-875.1	875.1	853.1	21.99	39.803			
760.0	760.0	721.5	721.1	3.8	20.4	-89.27	11.1	-875.1	875.1	851.0	24.12	36.275			
800.0	800.0	761.7	761.2	3.9	21.8	-89.19	12.4	-875.1	875.1	849.6	25.56	34.240			
855.0	855.0	816.9	816.4	4.0	23.7	-89.24	11.7	-875.1	875.1	847.6	27.53	31.784			
900.0	900.0	861.7	861.1	4.0	25.2	-89.27	11.1	-875.1	875.1	846.1	29.08	30.092			
950.0	950.0	911.8	911.1	4.1	26.8	-89.24	11.6	-875.1	875.1	844.4	30.74	28.465			
1,000.0	1,000.0	961.8	961.1	4.1	28.4	-89.27	11.1	-875.1	875.1	842.7	32.42	26.994			
1,045.0	1,045.0	1,006.8	1,006.1	4.2	30.1	-89.27	11.1	-875.1	875.1	841.0	34.09	25.672			
1,100.0	1,100.0	1,061.9	1,061.1	4.3	32.0	-89.20	12.2	-875.1	875.1	839.0	36.13	24.220			
1,140.0	1,140.0	1,102.0	1,101.2	4.3	33.5	-89.22	11.9	-875.1	875.1	837.5	37.62	23.260			
1,200.0	1,200.0	1,162.0	1,161.1	4.4	35.7	-89.27	11.1	-875.1	875.1	835.2	39.90	21.934			
1,235.0	1,235.0	1,197.0	1,196.1	4.4	37.1	-89.27	11.1	-875.1	875.1	833.8	41.34	21.171			
1,300.0	1,300.0	1,262.3	1,261.3	4.5	39.7	-89.24	11.6	-875.1	875.1	831.1	44.02	19.882			
1,330.0	1,330.0	1,292.2	1,291.1	4.5	41.0	-89.27	11.1	-875.1	875.1	829.9	45.26	19.337			
1,400.0	1,400.0	1,362.2	1,361.1	4.6	44.1	-89.27	11.1	-875.1	875.1	826.7	48.41	18.076			
1,425.0	1,425.0	1,387.3	1,386.1	4.6	45.2	-89.28	11.0	-875.1	875.1	825.6	49.54	17.664			
1,426.5	1,426.5	1,388.8	1,387.6	4.6	45.2	-89.28	11.0	-875.1	875.1	825.5	49.61	17.639			
1,500.0	1,500.0	1,462.3	1,461.1	4.7	48.5	-89.27	11.1	-875.1	875.1	822.2	52.93	16.535			
1,520.0	1,520.0	1,483.3	1,481.9	4.8	49.3	-89.26	11.2	-875.1	875.1	821.3	53.78	16.272			
1,600.0	1,600.0	1,573.1	1,571.6	4.8	50.2	-89.13	13.3	-874.2	874.3	819.7	54.69	15.987			
1,615.0	1,615.0	1,588.3	1,586.8	4.9	50.2	-89.10	13.7	-874.0	874.2	819.5	54.71	15.980			
1,700.0	1,700.0	1,675.0	1,673.4	5.0	50.2	-88.98	15.5	-872.8	873.1	818.3	54.78	15.936			
1,710.0	1,710.0	1,685.2	1,683.7	5.0	50.2	-88.97	15.6	-872.7	872.9	818.1	54.79	15.931			
1,800.0	1,800.0	1,776.2	1,774.6	5.1	50.2	-88.90	16.7	-871.3	871.5	816.7	54.88	15.882			
1,805.0	1,805.0	1,781.2	1,779.7	5.1	50.2	-88.90	16.8	-871.2	871.5	816.6	54.88	15.879			
1,900.0	1,900.0	1,882.3	1,880.8	5.2	50.2	-88.83	17.8	-869.3	869.7	814.8	54.96	15.824			
1,995.0	1,995.0	1,985.0	1,983.4	5.3	50.2	-88.74	19.0	-866.5	867.2	812.1	55.04	15.754			
2,000.0	2,000.0	1,990.4	1,988.8	5.3	50.2	-88.74	19.1	-866.3	867.0	812.0	55.05	15.750			
2,090.0	2,090.0	2,074.6	2,073.0	5.5	50.2	-88.67	20.1	-863.9	864.4	809.2	55.22	15.655			
2,100.0	2,100.0	2,083.9	2,082.2	5.5	50.2	-88.66	20.1	-863.6	864.1	808.9	55.23	15.645			
2,185.0	2,185.0	2,175.6	2,173.9	5.6	50.3	-88.62	20.8	-861.1	861.8	806.4	55.36	15.566			
2,200.0	2,200.0	2,191.6	2,189.9	5.6	50.3	-88.61	20.9	-860.6	861.3	805.9	55.39	15.550			
2,280.0	2,280.0	2,273.3	2,271.5	5.7	50.3	-88.55	21.6	-857.7	858.5	803.0	55.52	15.464			
2,300.0	2,300.0	2,292.7	2,291.0	5.7	50.3	-88.54	21.8	-857.0	857.8	802.3	55.55	15.442			
2,375.0	2,375.0	2,363.4	2,361.6	5.8	50.3	-88.51	22.3	-854.7	855.4	799.7	55.68	15.362			
2,400.0	2,400.0	2,386.0	2,384.2	5.9	50.3	-88.50	22.4	-854.1	854.7	799.0	55.73	15.336			
2,470.0	2,470.0	2,446.3	2,444.5	6.0	50.3	-88.47	22.7	-852.8	853.2	797.3	55.86	15.274			

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,500.0	2,500.0	2,471.0	2,469.2	6.0	50.3	-88.46	22.9	-852.5	852.8	796.9	55.91	15.252		
2,565.0	2,565.0	2,532.4	2,530.6	6.1	50.4	-88.45	23.1	-851.9	852.3	796.2	56.02	15.213		
2,600.0	2,600.0	2,565.9	2,564.1	6.1	50.4	-88.45	23.1	-851.8	852.1	796.1	56.08	15.195		
2,660.0	2,660.0	2,622.9	2,621.1	6.2	50.4	-88.45	23.1	-851.7	852.0	795.8	56.18	15.166		
2,700.0	2,700.0	2,662.9	2,661.1	6.3	50.4	-88.45	23.1	-851.7	852.0	795.7	56.25	15.147		
2,755.0	2,755.0	2,717.9	2,716.1	6.3	50.4	-88.45	23.1	-851.7	852.0	795.6	56.34	15.122		
2,800.0	2,800.0	2,762.9	2,761.1	6.4	50.4	-88.45	23.1	-851.7	852.0	795.6	56.42	15.102		
2,850.0	2,850.0	2,812.9	2,811.1	6.4	50.5	-88.45	23.1	-851.7	852.0	795.5	56.50	15.079		
2,871.7	2,871.7	2,834.6	2,832.7	6.5	50.5	-88.45	23.1	-851.5	851.8	795.3	56.54	15.066 CC		
2,900.0	2,900.0	2,862.7	2,860.9	6.5	50.5	-88.45	23.1	-851.5	851.8	795.2	56.58	15.054		
2,945.0	2,945.0	2,907.4	2,905.6	6.6	50.5	-88.45	23.1	-851.5	851.8	795.2	56.66	15.034		
3,000.0	3,000.0	2,962.1	2,960.2	6.6	50.5	-88.45	23.1	-851.5	851.9	795.1	56.75	15.011		
3,040.0	3,040.0	3,001.8	2,999.9	6.7	50.5	-88.45	23.1	-851.6	851.9	795.1	56.82	14.994		
3,100.0	3,100.0	3,062.9	3,061.1	6.7	50.6	-88.45	23.1	-851.7	852.0	795.0	56.94	14.963		
3,135.0	3,135.0	3,097.9	3,096.1	6.8	50.7	-88.45	23.1	-851.7	852.0	794.9	57.06	14.931		
3,200.0	3,200.0	3,162.9	3,161.1	6.9	50.8	-88.45	23.1	-851.7	852.0	794.7	57.28	14.873		
3,230.0	3,230.0	3,193.0	3,191.1	6.9	50.9	-88.44	23.2	-851.7	852.0	794.6	57.39	14.846		
3,300.0	3,300.0	3,263.0	3,261.1	7.0	51.0	-88.44	23.1	-851.7	852.0	794.4	57.63	14.784		
3,325.0	3,325.0	3,288.0	3,286.1	7.0	51.1	-88.45	23.1	-851.7	852.0	794.3	57.71	14.762		
3,370.3	3,370.3	3,333.3	3,331.4	7.1	51.2	-88.45	23.1	-851.7	852.0	794.1	57.92	14.710		
3,400.0	3,400.0	3,363.0	3,361.1	7.1	51.3	-88.45	23.1	-851.7	852.0	793.9	58.07	14.672		
3,420.0	3,420.0	3,383.0	3,381.1	7.1	51.4	-88.45	23.1	-851.7	852.0	793.8	58.17	14.646		
3,500.0	3,500.0	3,463.0	3,461.1	7.2	51.7	-88.43	23.3	-851.7	852.0	793.4	58.58	14.545		
3,515.0	3,515.0	3,478.0	3,476.1	7.2	51.8	-88.43	23.3	-851.7	852.0	793.3	58.65	14.526		
3,600.0	3,600.0	3,563.0	3,561.1	7.3	52.1	-88.45	23.1	-851.7	852.0	792.9	59.09	14.418		
3,610.0	3,610.0	3,573.0	3,571.1	7.3	52.2	-88.45	23.1	-851.7	852.0	792.8	59.16	14.402		
3,700.0	3,700.0	3,663.0	3,661.2	7.4	52.6	-88.44	23.1	-851.7	852.0	792.3	59.73	14.265		
3,705.0	3,705.0	3,668.0	3,666.2	7.4	52.7	-88.44	23.1	-851.7	852.0	792.2	59.76	14.257		
3,720.0	3,720.0	3,683.1	3,681.2	7.5	52.7	-88.45	23.1	-851.7	852.0	792.1	59.85	14.234		
3,800.0	3,800.0	3,763.0	3,761.1	7.5	53.2	-88.44	23.3	-851.7	852.0	791.6	60.44	14.097		
3,895.0	3,895.0	3,858.0	3,856.1	7.7	53.8	-88.45	23.1	-851.7	852.0	790.8	61.17	13.929		
3,900.0	3,900.0	3,863.0	3,861.1	7.7	53.9	-88.45	23.1	-851.7	852.0	790.8	61.21	13.919		
3,990.0	3,990.0	3,953.0	3,951.1	7.8	54.5	-88.45	23.1	-851.7	852.0	790.0	61.95	13.753		
4,000.0	4,000.0	3,963.0	3,961.1	7.8	54.6	-88.45	23.1	-851.7	852.0	789.9	62.04	13.733		
4,085.0	4,085.0	4,048.1	4,046.2	7.9	55.2	-88.44	23.2	-851.7	852.0	789.2	62.79	13.568		
4,100.0	4,100.0	4,063.1	4,061.2	7.9	55.4	-88.45	23.1	-851.7	852.0	789.1	62.93	13.539		
4,128.7	4,128.7	4,091.7	4,089.8	7.9	55.6	-88.45	23.1	-851.7	852.0	788.8	63.20	13.480		
4,180.0	4,180.0	4,143.0	4,141.1	8.0	56.1	-88.45	23.1	-851.7	852.0	788.3	63.70	13.374		
4,200.0	4,200.0	4,163.0	4,161.1	8.0	56.2	-88.43	23.4	-851.7	852.0	788.1	63.90	13.333		
4,275.0	4,275.0	4,238.1	4,236.2	8.1	56.9	-88.44	23.2	-851.7	852.0	787.4	64.63	13.182		
4,300.0	4,300.0	4,263.0	4,261.1	8.1	57.1	-88.45	23.1	-851.7	852.0	787.1	64.89	13.131		
4,370.0	4,370.0	4,333.0	4,331.1	8.2	57.8	-88.45	23.1	-851.7	852.0	786.3	65.64	12.980		
4,400.0	4,400.0	4,363.0	4,361.1	8.2	58.1	-88.43	23.4	-851.7	852.0	786.0	65.96	12.916		
4,465.0	4,465.0	4,428.2	4,426.2	8.3	58.7	-88.44	23.2	-851.7	852.0	785.3	66.66	12.780		
4,500.0	4,500.0	4,463.0	4,461.1	8.3	59.0	-88.45	23.1	-851.7	852.0	784.9	67.06	12.705		
4,560.0	4,560.0	4,523.0	4,521.1	8.4	59.7	-88.45	23.1	-851.7	852.0	784.2	67.76	12.574		
4,600.0	4,600.0	4,563.1	4,561.1	8.4	60.1	-88.43	23.4	-851.7	852.0	783.8	68.23	12.488		
4,655.0	4,655.0	4,618.2	4,616.2	8.5	60.7	-88.44	23.2	-851.7	852.0	783.1	68.87	12.371		
4,700.0	4,700.0	4,663.1	4,661.1	8.5	61.2	-88.45	23.1	-851.7	852.0	782.6	69.41	12.274		
4,750.0	4,750.0	4,713.1	4,711.1	8.6	61.7	-88.45	23.1	-851.7	852.0	781.9	70.04	12.165		
4,800.0	4,800.0	4,763.1	4,761.1	8.6	62.3	-88.43	23.3	-851.7	852.0	781.3	70.66	12.057		

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
4,845.0	4,845.0	4,808.2	4,806.2	8.7	62.8	-88.44	23.2	-851.7	852.0	780.8	71.23	11.961	
4,892.4	4,892.4	4,855.5	4,853.5	8.7	63.4	-88.45	23.1	-851.7	852.0	780.1	71.85	11.857	
4,900.0	4,900.0	4,863.1	4,861.1	8.7	63.5	-88.45	23.1	-851.7	852.0	780.0	71.96	11.840	
4,940.0	4,940.0	4,903.1	4,901.1	8.8	64.0	-88.45	23.1	-851.7	852.0	779.5	72.50	11.752	
5,000.0	5,000.0	4,963.2	4,961.2	8.8	64.7	-88.44	23.2	-851.7	852.0	778.7	73.31	11.621	
5,035.0	5,035.0	4,998.1	4,996.1	8.9	65.2	-88.45	23.1	-851.7	852.0	778.2	73.81	11.543	
5,100.0	5,100.0	5,063.1	5,061.1	9.0	66.1	-88.45	23.1	-851.7	852.0	777.2	74.79	11.392	
5,130.0	5,130.0	5,093.1	5,091.1	9.0	66.5	-88.42	23.5	-851.7	852.0	776.8	75.24	11.323	
5,200.0	5,200.0	5,163.3	5,161.3	9.1	67.5	-88.44	23.2	-851.7	852.0	775.7	76.30	11.166	
5,225.0	5,225.0	5,188.1	5,186.1	9.1	67.9	-88.45	23.1	-851.7	852.0	775.3	76.69	11.109	
5,300.0	5,300.0	5,263.1	5,261.1	9.2	69.0	-88.45	23.1	-851.7	852.0	774.1	77.92	10.934	
5,320.0	5,320.0	5,283.2	5,281.1	9.2	69.3	-88.41	23.6	-851.7	852.0	773.7	78.25	10.888	
5,400.0	5,400.0	5,363.4	5,361.4	9.3	70.6	-88.45	23.1	-851.7	852.0	772.4	79.56	10.709	
5,405.5	5,405.5	5,368.6	5,366.6	9.3	70.6	-88.45	23.1	-851.7	852.0	772.3	79.65	10.697	
5,415.0	5,415.0	5,378.2	5,376.1	9.3	70.8	-88.45	23.1	-851.7	852.0	772.2	79.80	10.676	
5,500.0	5,500.0	5,463.2	5,461.1	9.4	72.1	-88.45	23.1	-851.7	852.0	770.8	81.22	10.490	
5,510.0	5,510.0	5,473.2	5,471.1	9.4	72.3	-88.45	23.1	-851.7	852.0	770.6	81.39	10.468	
5,600.0	5,600.0	5,563.4	5,561.3	9.5	73.7	-88.43	23.3	-851.7	852.0	769.1	82.89	10.279	
5,605.0	5,605.0	5,568.4	5,566.3	9.5	73.8	-88.44	23.2	-851.7	852.0	769.0	82.97	10.268	
5,628.9	5,628.9	5,592.1	5,590.0	9.5	74.1	-88.45	23.1	-851.7	852.0	768.6	83.37	10.219	
5,700.0	5,700.0	5,663.2	5,661.1	9.6	75.2	-88.43	23.4	-851.7	852.0	767.4	84.56	10.076	
5,795.0	5,795.0	5,758.2	5,756.1	9.7	76.8	-88.45	23.1	-851.7	852.0	765.8	86.18	9.886	
5,800.0	5,800.0	5,763.2	5,761.1	9.7	76.9	-88.45	23.1	-851.7	852.0	765.7	86.27	9.875	
5,890.0	5,890.0	5,853.2	5,851.1	9.8	78.4	-88.41	23.6	-851.7	852.0	764.1	87.92	9.690	
5,900.0	5,900.0	5,863.3	5,861.1	9.8	78.6	-88.41	23.6	-851.7	852.0	763.9	88.11	9.670	
5,985.0	5,985.0	5,948.4	5,946.3	9.9	80.1	-88.44	23.2	-851.7	852.0	762.3	89.67	9.501	
6,000.0	6,000.0	5,963.5	5,961.3	9.9	80.3	-88.45	23.1	-851.7	852.0	762.0	89.95	9.472	
6,005.3	6,005.3	5,968.6	5,966.4	9.9	80.4	-88.45	23.1	-851.7	852.0	761.9	90.04	9.462	
6,080.0	6,080.0	6,043.5	6,041.3	10.0	81.8	-88.44	23.3	-851.7	852.0	760.5	91.49	9.312	
6,100.0	6,100.0	6,063.3	6,061.1	10.0	82.2	-88.45	23.1	-851.7	852.0	760.1	91.88	9.273	
6,147.5	6,147.5	6,110.9	6,108.6	10.0	83.0	-88.45	23.0	-851.7	852.0	759.2	92.82	9.179	
6,175.0	6,175.0	6,138.3	6,136.1	10.1	83.6	-88.45	23.0	-851.7	852.0	758.6	93.35	9.126	
6,175.0	6,175.0	6,138.3	6,136.1	10.1	83.6	-88.45	23.0	-851.7	852.0	758.6	93.36	9.126	
6,200.0	6,200.0	6,162.4	6,160.2	10.1	83.9	-88.44	23.1	-851.7	852.0	758.2	93.78	9.085	
6,270.0	6,270.0	6,226.4	6,224.1	10.1	84.6	-88.47	22.8	-852.0	852.3	757.8	94.49	9.020	
6,300.0	6,300.0	6,253.8	6,251.5	10.2	84.9	-88.52	22.1	-852.3	852.6	757.8	94.80	8.994 ES	
6,365.0	6,365.0	6,316.2	6,313.9	10.2	85.4	-88.46	22.9	-853.1	853.5	758.1	95.38	8.948	
6,400.0	6,400.0	6,350.1	6,347.6	10.3	85.8	-88.21	26.7	-853.5	854.0	758.3	95.67	8.926	
6,460.0	6,460.0	6,405.7	6,401.7	10.3	86.1	-87.38	39.1	-853.9	855.0	759.1	95.91	8.914 SF	
6,500.0	6,500.0	6,434.7	6,429.0	10.4	86.1	-86.74	48.7	-854.3	856.2	760.3	95.91	8.928	
6,555.0	6,555.0	6,471.8	6,463.2	10.4	86.1	-85.78	63.1	-854.9	858.9	763.0	95.84	8.961	
6,600.0	6,600.0	6,500.3	6,488.9	10.5	86.1	-84.96	75.5	-855.8	862.2	766.4	95.74	9.006	
6,650.0	6,650.0	6,537.8	6,521.4	10.5	86.2	-83.74	94.0	-857.1	866.8	771.2	95.61	9.066	
6,700.0	6,700.0	6,565.2	6,544.1	10.6	86.2	-82.74	109.3	-857.9	872.7	777.4	95.34	9.154	
6,745.0	6,745.0	6,581.0	6,566.7	10.6	86.2	-82.12	118.9	-858.5	879.5	784.6	94.91	9.266	
6,800.0	6,800.0	6,601.7	6,572.8	10.7	86.2	-81.28	131.8	-859.7	889.9	795.6	94.27	9.440	
6,840.0	6,840.0	6,613.0	6,581.4	10.7	86.2	-80.82	139.1	-860.6	899.0	805.3	93.66	9.598	
6,900.0	6,900.0	6,635.5	6,598.1	10.8	86.2	-79.87	154.1	-862.6	914.9	822.2	92.71	9.868	
6,935.0	6,935.0	6,648.7	6,607.5	10.8	86.2	-79.30	163.3	-864.0	925.4	833.3	92.10	10.048	
7,000.0	7,000.0	6,679.9	6,628.6	10.9	86.2	-77.89	186.0	-867.0	947.0	856.0	91.01	10.406	
7,030.0	7,030.0	6,696.8	6,639.5	10.9	86.2	-77.10	198.9	-868.4	957.7	867.2	90.52	10.581	

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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD												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	
7,100.0	7,100.0	6,722.7	6,655.3	11.0	86.2	-75.86	219.2	-870.3	985.0	895.9	89.01	11.066	
7,125.0	7,125.0	6,729.7	6,659.4	11.0	86.2	-75.51	225.0	-870.8	995.5	907.1	88.39	11.262	
7,200.0	7,200.0	6,748.3	6,669.6	11.1	86.2	-74.59	240.4	-872.0	1,029.5	943.0	86.42	11.912	
7,220.0	7,220.0	6,752.7	6,672.0	11.1	86.2	-74.36	244.2	-872.3	1,039.1	953.3	85.87	12.101	
7,300.0	7,300.0	6,770.0	6,680.8	11.2	86.3	-73.49	259.0	-873.6	1,080.3	996.6	83.63	12.917	
7,315.0	7,315.0	6,770.0	6,680.8	11.2	86.3	-73.49	259.0	-873.6	1,088.4	1,005.3	83.13	13.093	
7,400.0	7,400.0	6,784.3	6,687.6	11.3	86.3	-72.75	271.6	-874.6	1,136.8	1,056.2	80.65	14.096	
7,410.0	7,410.0	6,785.7	6,688.2	11.3	86.3	-72.68	272.8	-874.8	1,142.8	1,062.4	80.35	14.223	
7,500.0	7,500.0	6,801.0	6,695.0	11.4	86.3	-71.89	286.4	-876.1	1,198.5	1,120.7	77.79	15.408	
7,505.0	7,505.0	6,801.0	6,695.0	11.4	86.3	-71.89	286.4	-876.1	1,201.7	1,124.1	77.62	15.481	
7,600.0	7,600.0	6,801.0	6,695.0	11.4	86.3	-71.89	286.4	-876.1	1,264.8	1,190.2	74.64	16.946	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB 25ft + GL 3065.9ft @ 3090.9usft

Offset Depths are relative to Offset Datum

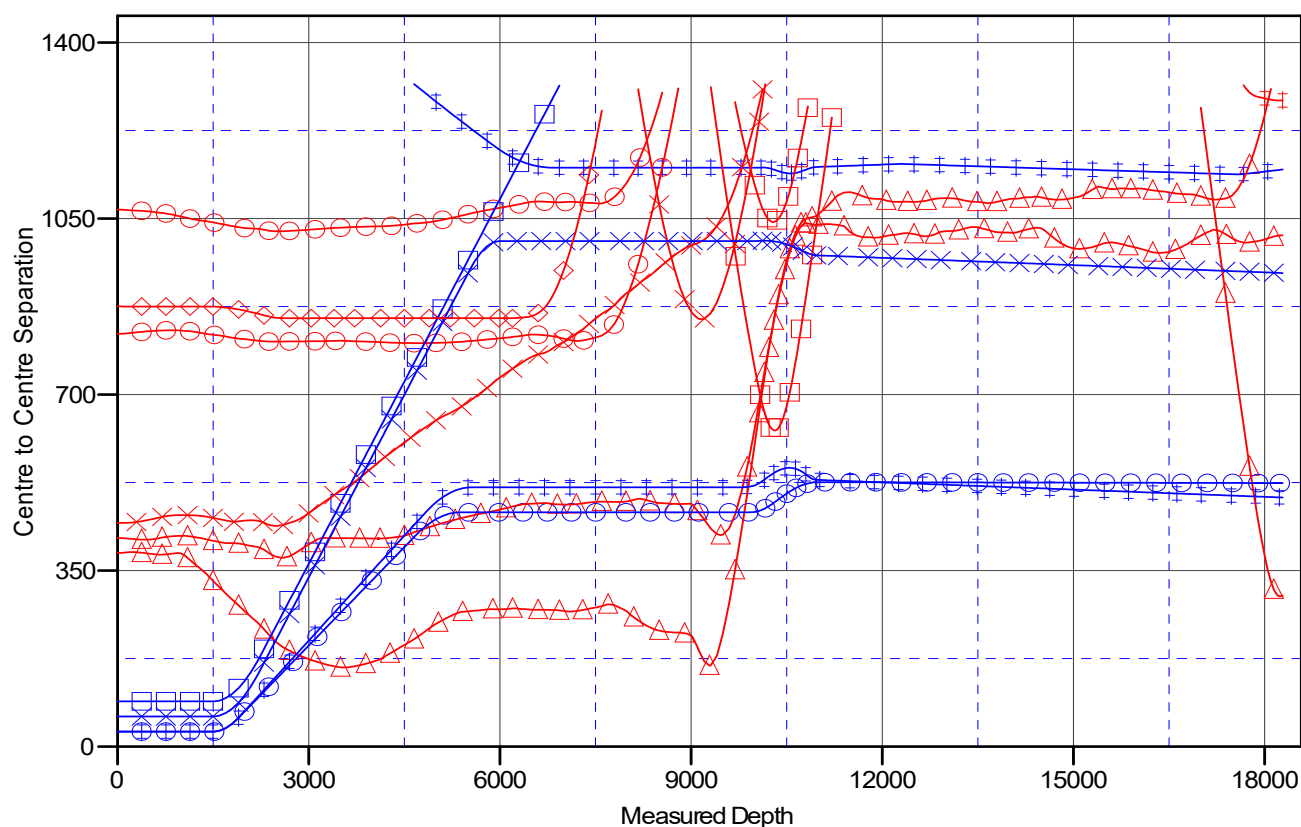
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #902H

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

Grid Convergence at Surface is: 0.14°

Ladder Plot



LEGEND

KEGSHELL FEDERAL COM#910H, OWB, PWP0.1 V0	DIAMONDBACK 22 STATE COM #11H, OWB, AWP V0	POTATO BABY STATE COM#903H, OWB, PWP0.1 V0
WETHERBEE #401H, OWB, AWP V0	DIAMONDBACK 22 STATE COM #3H, OWB, AWP V0	POTATO BABY STATE COM#904H, OWB, PWP0.1 V0
WETHERBEE #422H, OWB, AWP V0	POTATO BABY STATE COM#701H, OWB, AWP V0	POTATO BABY STATE COM#905H, OWB, PWP0.1 V0
WETHERBEE C ALLOCATION #407H, OWB, AWP V0	POTATO BABY STATE COM#702H, OWB, AWP V0	SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
WETHERBEE D ALLOCATION #406H, OWB, AWP V0	POTATO BABY STATE COM#703H, OWB, AWP V0	
WETHERBEE UNIT #423H, OWB, AWP V0	POTATO BABY STATE COM#901H, OWB, PWP0.1 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 POTATO BABY STATE COM #902H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB 25ft + GL 3065.9ft @ 3090.9usft

Offset Depths are relative to Offset Datum

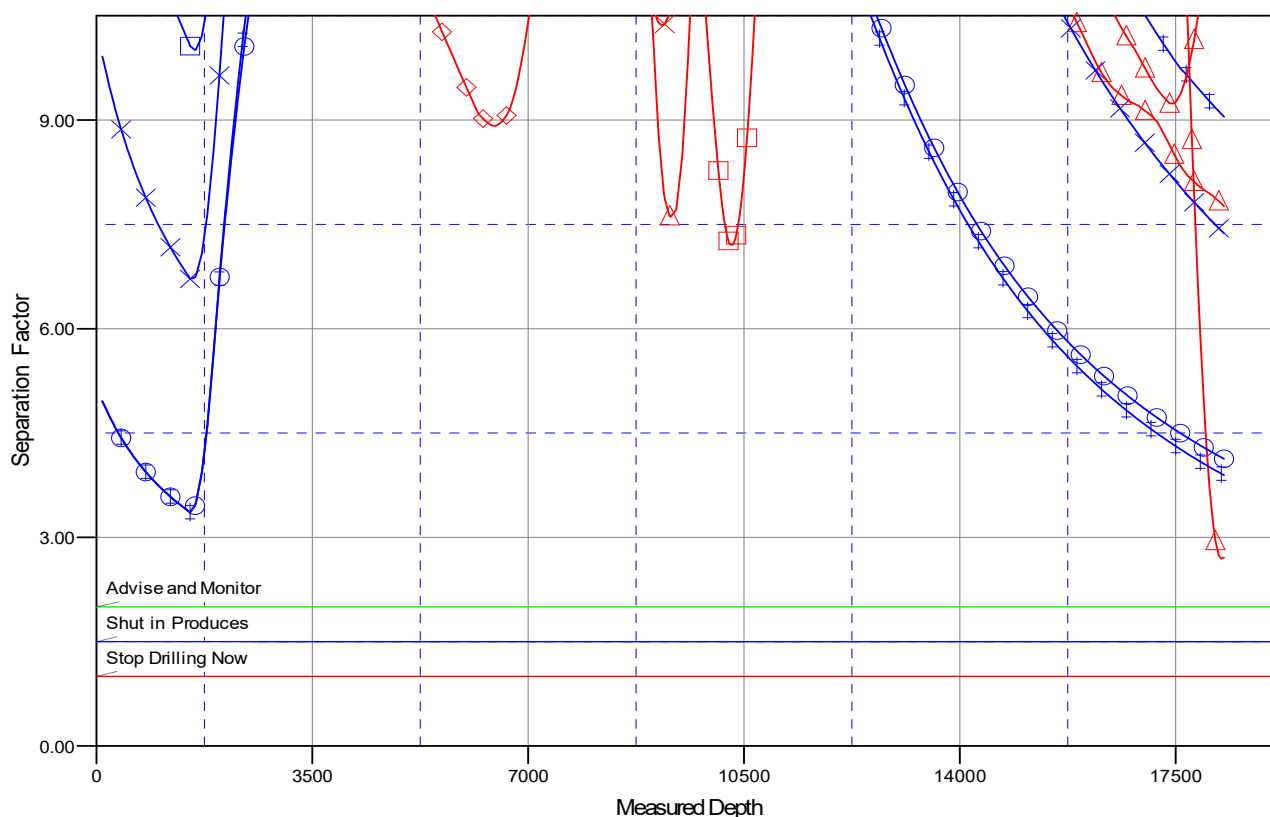
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #902H

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

Grid Convergence at Surface is: 0.14°

Separation Factor Plot



LEGEND

- KEGSHELL FEDERAL COM#910H, OWB, PWP0.1 V0 - WETHERBEE #401H, OWB, AWP V0 - WETHERBEE #422H, OWB, AWP V0 - WETHERBEE C ALLOCATION #407H, OWB, AWP V0 - WETHERBEE D ALLOCATION #406H, OWB, AWP V0 - WETHERBEE UNIT #423H, OWB, AWP V0	- DIAMONDBACK 22 STATE COM #11H, OWB, AWP V0 - DIAMONDBACK 22 STATE COM #3H, OWB, AWP V0 - POTATO BABY STATE COM#701H, OWB, AWP V0 - POTATO BABY STATE COM#702H, OWB, AWP V0 - POTATO BABY STATE COM#703H, OWB, AWP V0 - POTATO BABY STATE COM#901H, OWB, PWP0.1 V0	- POTATO BABY STATE COM#903H, OWB, PWP0.1 V0 - POTATO BABY STATE COM#904H, OWB, PWP0.1 V0 - POTATO BABY STATE COM#905H, OWB, PWP0.1 V0 - SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
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CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

POTATO BABY STATE PROJECT (ATLAS 2628)

POTATO BABY STATE COM #902H

OWB

Plan: PWP0.1

Standard Planning Report

19 August, 2022

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

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		

Well	POTATO BABY STATE COM #902H			
Well Position	+N/-S	267.9 usft	Northing:	364,084.75 usft
	+E/-W	4,505.5 usft	Easting:	581,976.89 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Ground Level:	3,065.9 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	7/1/2023	6.61	59.53	47,327.68581143

Design	PWP0.1				
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	359.44

Plan Survey Tool Program	Date	8/19/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	2,000.0	PWP0.1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp	
2	2,000.0	10,085.5	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	10,085.5	18,283.9	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

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	
10,085.5	0.00	0.00	10,085.5	0.0	0.0	0.00	0.00	0.00	0.00	
10,834.1	89.82	356.95	10,563.0	475.3	-25.3	12.00	12.00	0.00	356.95	
10,967.3	89.82	359.61	10,563.4	608.5	-29.3	2.00	0.00	2.00	90.00	
18,233.9	89.82	359.61	10,585.8	7,874.8	-78.2	0.00	0.00	0.00	0.00	LTP (POTATO BABY
18,283.9	89.82	359.61	10,586.0	7,924.8	-78.6	0.00	0.00	0.00	0.00	BHL (POTATO BABY

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,085.5	0.00	0.00	10,085.5	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 12.00										
10,100.0	1.74	356.95	10,100.0	0.2	0.0	0.2	12.00	12.00	0.00	
10,125.0	4.74	356.95	10,125.0	1.6	-0.1	1.6	12.00	12.00	0.00	
10,150.0	7.74	356.95	10,149.8	4.3	-0.2	4.3	12.00	12.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,175.0	10.74	356.95	10,174.5	8.3	-0.4	8.3	12.00	12.00	0.00
10,200.0	13.74	356.95	10,198.9	13.6	-0.7	13.6	12.00	12.00	0.00
10,225.0	16.74	356.95	10,223.0	20.2	-1.1	20.2	12.00	12.00	0.00
10,250.0	19.74	356.95	10,246.8	28.0	-1.5	28.0	12.00	12.00	0.00
10,275.0	22.74	356.95	10,270.1	37.0	-2.0	37.1	12.00	12.00	0.00
10,300.0	25.74	356.95	10,292.9	47.3	-2.5	47.3	12.00	12.00	0.00
10,325.0	28.74	356.95	10,315.1	58.7	-3.1	58.7	12.00	12.00	0.00
10,350.0	31.74	356.95	10,336.7	71.3	-3.8	71.3	12.00	12.00	0.00
10,375.0	34.74	356.95	10,357.6	85.0	-4.5	85.0	12.00	12.00	0.00
10,400.0	37.74	356.95	10,377.8	99.7	-5.3	99.8	12.00	12.00	0.00
10,425.0	40.74	356.95	10,397.1	115.5	-6.2	115.6	12.00	12.00	0.00
10,450.0	43.74	356.95	10,415.6	132.3	-7.0	132.4	12.00	12.00	0.00
10,475.0	46.74	356.95	10,433.2	150.0	-8.0	150.1	12.00	12.00	0.00
10,500.0	49.74	356.95	10,449.9	168.6	-9.0	168.7	12.00	12.00	0.00
10,525.0	52.74	356.95	10,465.5	188.1	-10.0	188.2	12.00	12.00	0.00
10,550.0	55.74	356.95	10,480.1	208.4	-11.1	208.4	12.00	12.00	0.00
10,575.0	58.74	356.95	10,493.7	229.3	-12.2	229.4	12.00	12.00	0.00
10,600.0	61.74	356.95	10,506.1	251.0	-13.4	251.1	12.00	12.00	0.00
10,625.0	64.74	356.95	10,517.3	273.3	-14.6	273.4	12.00	12.00	0.00
10,650.0	67.74	356.95	10,527.4	296.1	-15.8	296.3	12.00	12.00	0.00
10,675.0	70.74	356.95	10,536.3	319.5	-17.0	319.6	12.00	12.00	0.00
10,700.0	73.74	356.95	10,543.9	343.3	-18.3	343.4	12.00	12.00	0.00
10,725.0	76.74	356.95	10,550.3	367.4	-19.6	367.6	12.00	12.00	0.00
10,750.0	79.74	356.95	10,555.4	391.8	-20.9	392.0	12.00	12.00	0.00
10,775.0	82.74	356.95	10,559.2	416.5	-22.2	416.7	12.00	12.00	0.00
10,800.0	85.74	356.95	10,561.7	441.3	-23.5	441.5	12.00	12.00	0.00
10,825.0	88.74	356.95	10,562.9	466.3	-24.8	466.5	12.00	12.00	0.00
10,834.1	89.82	356.95	10,563.0	475.3	-25.3	475.5	12.00	12.00	0.00
Start DLS 2.00 TFO 90.00									
10,900.0	89.82	358.27	10,563.2	541.2	-28.1	541.4	2.00	0.00	2.00
10,967.3	89.82	359.61	10,563.4	608.5	-29.3	608.7	2.00	0.00	2.00
Start 7266.6 hold at 10967.3 MD									
11,000.0	89.82	359.61	10,563.5	641.2	-29.5	641.4	0.00	0.00	0.00
11,100.0	89.82	359.61	10,563.8	741.2	-30.2	741.4	0.00	0.00	0.00
11,200.0	89.82	359.61	10,564.1	841.2	-30.9	841.4	0.00	0.00	0.00
11,300.0	89.82	359.61	10,564.4	941.2	-31.6	941.4	0.00	0.00	0.00
11,400.0	89.82	359.61	10,564.7	1,041.2	-32.2	1,041.4	0.00	0.00	0.00
11,500.0	89.82	359.61	10,565.1	1,141.2	-32.9	1,141.4	0.00	0.00	0.00
11,600.0	89.82	359.61	10,565.4	1,241.2	-33.6	1,241.4	0.00	0.00	0.00
11,700.0	89.82	359.61	10,565.7	1,341.2	-34.3	1,341.4	0.00	0.00	0.00
11,800.0	89.82	359.61	10,566.0	1,441.2	-34.9	1,441.4	0.00	0.00	0.00
11,900.0	89.82	359.61	10,566.3	1,541.2	-35.6	1,541.4	0.00	0.00	0.00
12,000.0	89.82	359.61	10,566.6	1,641.2	-36.3	1,641.4	0.00	0.00	0.00
12,100.0	89.82	359.61	10,566.9	1,741.2	-36.9	1,741.4	0.00	0.00	0.00
12,200.0	89.82	359.61	10,567.2	1,841.1	-37.6	1,841.4	0.00	0.00	0.00
12,300.0	89.82	359.61	10,567.5	1,941.1	-38.3	1,941.4	0.00	0.00	0.00
12,400.0	89.82	359.61	10,567.8	2,041.1	-39.0	2,041.4	0.00	0.00	0.00
12,500.0	89.82	359.61	10,568.1	2,141.1	-39.6	2,141.4	0.00	0.00	0.00
12,600.0	89.82	359.61	10,568.5	2,241.1	-40.3	2,241.4	0.00	0.00	0.00
12,700.0	89.82	359.61	10,568.8	2,341.1	-41.0	2,341.4	0.00	0.00	0.00
12,800.0	89.82	359.61	10,569.1	2,441.1	-41.7	2,441.4	0.00	0.00	0.00
12,900.0	89.82	359.61	10,569.4	2,541.1	-42.3	2,541.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	89.82	359.61	10,569.7	2,641.1	-43.0	2,641.4	0.00	0.00	0.00
13,100.0	89.82	359.61	10,570.0	2,741.1	-43.7	2,741.4	0.00	0.00	0.00
13,200.0	89.82	359.61	10,570.3	2,841.1	-44.3	2,841.4	0.00	0.00	0.00
13,300.0	89.82	359.61	10,570.6	2,941.1	-45.0	2,941.4	0.00	0.00	0.00
13,400.0	89.82	359.61	10,570.9	3,041.1	-45.7	3,041.4	0.00	0.00	0.00
13,500.0	89.82	359.61	10,571.2	3,141.1	-46.4	3,141.4	0.00	0.00	0.00
13,600.0	89.82	359.61	10,571.5	3,241.1	-47.0	3,241.4	0.00	0.00	0.00
13,700.0	89.82	359.61	10,571.8	3,341.1	-47.7	3,341.4	0.00	0.00	0.00
13,800.0	89.82	359.61	10,572.2	3,441.1	-48.4	3,441.4	0.00	0.00	0.00
13,900.0	89.82	359.61	10,572.5	3,541.1	-49.1	3,541.4	0.00	0.00	0.00
14,000.0	89.82	359.61	10,572.8	3,641.1	-49.7	3,641.4	0.00	0.00	0.00
14,100.0	89.82	359.61	10,573.1	3,741.1	-50.4	3,741.4	0.00	0.00	0.00
14,200.0	89.82	359.61	10,573.4	3,841.1	-51.1	3,841.4	0.00	0.00	0.00
14,300.0	89.82	359.61	10,573.7	3,941.1	-51.7	3,941.4	0.00	0.00	0.00
14,400.0	89.82	359.61	10,574.0	4,041.1	-52.4	4,041.4	0.00	0.00	0.00
14,500.0	89.82	359.61	10,574.3	4,141.1	-53.1	4,141.4	0.00	0.00	0.00
14,600.0	89.82	359.61	10,574.6	4,241.1	-53.8	4,241.4	0.00	0.00	0.00
14,700.0	89.82	359.61	10,574.9	4,341.1	-54.4	4,341.4	0.00	0.00	0.00
14,800.0	89.82	359.61	10,575.2	4,441.1	-55.1	4,441.4	0.00	0.00	0.00
14,900.0	89.82	359.61	10,575.6	4,541.1	-55.8	4,541.4	0.00	0.00	0.00
15,000.0	89.82	359.61	10,575.9	4,641.1	-56.5	4,641.4	0.00	0.00	0.00
15,100.0	89.82	359.61	10,576.2	4,741.1	-57.1	4,741.4	0.00	0.00	0.00
15,200.0	89.82	359.61	10,576.5	4,841.1	-57.8	4,841.4	0.00	0.00	0.00
15,300.0	89.82	359.61	10,576.8	4,941.1	-58.5	4,941.4	0.00	0.00	0.00
15,400.0	89.82	359.61	10,577.1	5,041.1	-59.1	5,041.4	0.00	0.00	0.00
15,500.0	89.82	359.61	10,577.4	5,141.1	-59.8	5,141.4	0.00	0.00	0.00
15,600.0	89.82	359.61	10,577.7	5,241.1	-60.5	5,241.4	0.00	0.00	0.00
15,700.0	89.82	359.61	10,578.0	5,341.1	-61.2	5,341.4	0.00	0.00	0.00
15,800.0	89.82	359.61	10,578.3	5,441.0	-61.8	5,441.4	0.00	0.00	0.00
15,900.0	89.82	359.61	10,578.6	5,541.0	-62.5	5,541.4	0.00	0.00	0.00
16,000.0	89.82	359.61	10,578.9	5,641.0	-63.2	5,641.4	0.00	0.00	0.00
16,100.0	89.82	359.61	10,579.3	5,741.0	-63.9	5,741.4	0.00	0.00	0.00
16,200.0	89.82	359.61	10,579.6	5,841.0	-64.5	5,841.4	0.00	0.00	0.00
16,300.0	89.82	359.61	10,579.9	5,941.0	-65.2	5,941.4	0.00	0.00	0.00
16,400.0	89.82	359.61	10,580.2	6,041.0	-65.9	6,041.4	0.00	0.00	0.00
16,500.0	89.82	359.61	10,580.5	6,141.0	-66.6	6,141.4	0.00	0.00	0.00
16,600.0	89.82	359.61	10,580.8	6,241.0	-67.2	6,241.4	0.00	0.00	0.00
16,700.0	89.82	359.61	10,581.1	6,341.0	-67.9	6,341.4	0.00	0.00	0.00
16,800.0	89.82	359.61	10,581.4	6,441.0	-68.6	6,441.4	0.00	0.00	0.00
16,900.0	89.82	359.61	10,581.7	6,541.0	-69.2	6,541.4	0.00	0.00	0.00
17,000.0	89.82	359.61	10,582.0	6,641.0	-69.9	6,641.4	0.00	0.00	0.00
17,100.0	89.82	359.61	10,582.3	6,741.0	-70.6	6,741.4	0.00	0.00	0.00
17,200.0	89.82	359.61	10,582.7	6,841.0	-71.3	6,841.4	0.00	0.00	0.00
17,300.0	89.82	359.61	10,583.0	6,941.0	-71.9	6,941.4	0.00	0.00	0.00
17,400.0	89.82	359.61	10,583.3	7,041.0	-72.6	7,041.4	0.00	0.00	0.00
17,500.0	89.82	359.61	10,583.6	7,141.0	-73.3	7,141.4	0.00	0.00	0.00
17,600.0	89.82	359.61	10,583.9	7,241.0	-74.0	7,241.4	0.00	0.00	0.00
17,700.0	89.82	359.61	10,584.2	7,341.0	-74.6	7,341.4	0.00	0.00	0.00
17,800.0	89.82	359.61	10,584.5	7,441.0	-75.3	7,441.4	0.00	0.00	0.00
17,900.0	89.82	359.61	10,584.8	7,541.0	-76.0	7,541.4	0.00	0.00	0.00
18,000.0	89.82	359.61	10,585.1	7,641.0	-76.6	7,641.4	0.00	0.00	0.00
18,100.0	89.82	359.61	10,585.4	7,741.0	-77.3	7,741.4	0.00	0.00	0.00
18,200.0	89.82	359.61	10,585.7	7,841.0	-78.0	7,841.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #902H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3065.9ft @ 3090.9usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #902H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,233.9	89.82	359.61	10,585.8	7,874.8	-78.2	7,875.2	0.00	0.00	0.00
Start 50.0 hold at 18233.9 MD									
18,283.9	89.82	359.61	10,586.0	7,924.8	-78.6	7,925.2	0.00	0.00	0.00
TD at 18283.9									

Wellbore Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FTP (POTATO BABY ST	0.00	0.00	10,563.0	29.9	-25.1	364,114.68	581,951.81	32° 0' 2.841 N	104° 4' 8.279 W
- plan misses target center by 177.6usft at 10475.0usft MD (10433.2 TVD, 150.0 N, -8.0 E)									
- Circle (radius 50.0)									
LTP (POTATO BABY ST	0.00	0.00	10,585.8	7,874.8	-78.2	371,959.59	581,898.67	32° 1' 20.481 N	104° 4' 8.673 W
- plan hits target center									
- Point									
BHL (POTATO BABY ST	0.18	359.62	10,586.0	7,924.9	-77.5	372,009.61	581,899.36	32° 1' 20.976 N	104° 4' 8.664 W
- plan misses target center by 1.0usft at 18283.9usft MD (10586.0 TVD, 7924.8 N, -78.6 E)									
- Rectangle (sides W100.0 H7,895.7 D20.0)									

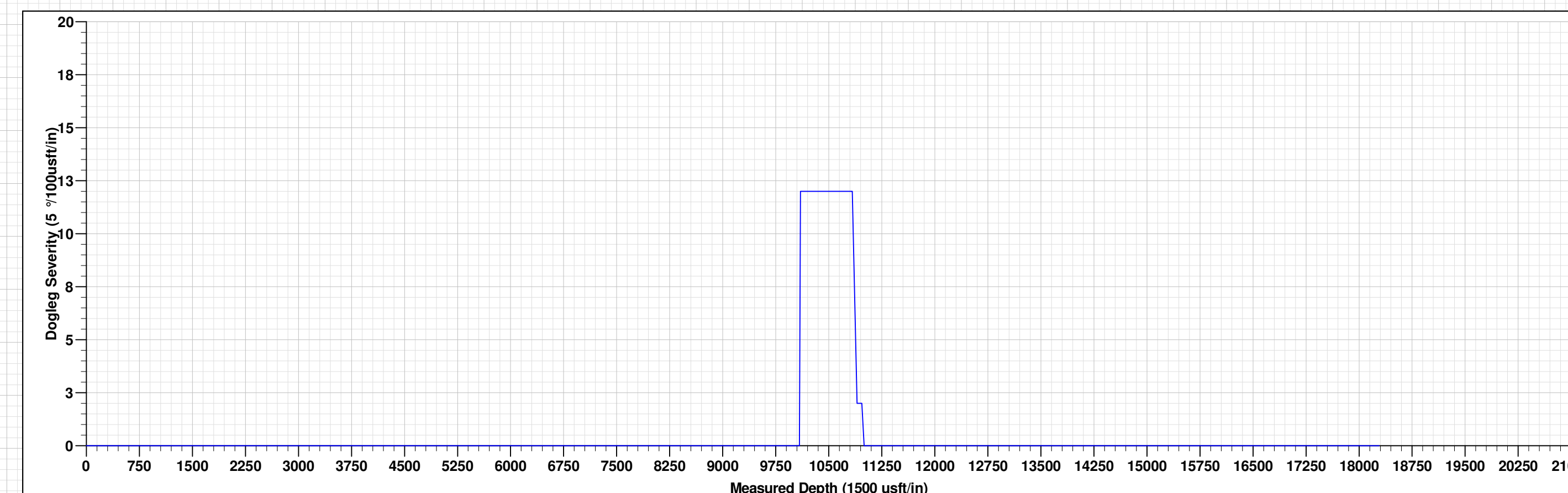
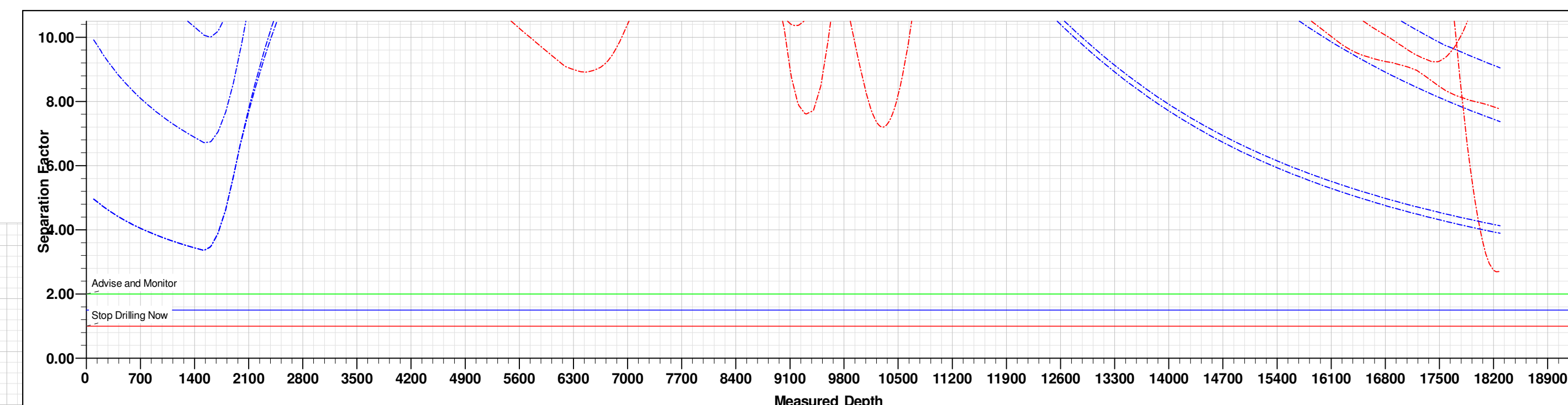
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,085.5	10,085.5	0.0	0.0	Start Build 12.00	
10,834.1	10,563.0	475.3	-25.3	Start DLS 2.00 TFO 90.00	
10,967.3	10,563.4	608.5	-29.3	Start 7266.6 hold at 10967.3 MD	
18,233.9	10,585.8	7,874.8	-78.2	Start 50.0 hold at 18233.9 MD	
18,283.9	10,586.0	7,924.8	-78.6	TD at 18283.9	



Project: ATLAS PROSPECT (NM-E)
 Site: POTATO BABY STATE PROJECT (ATLAS 2628)
 Well: POTATO BABY STATE COM #902H
 Wellbore: OWB
 Design: PWP0.1
 GL: 3065.9
 RKB 25ft + GL 3065.9ft @ 3090.9usft

WELL DETAILS: POTATO BABY STATE COM #902H					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	364084.75	581976.89	32° 0' 2.545 N	104° 4' 7.988 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Easting
FTP (POTATO BABY STATE COM #902H)	10563.0	29.9	-25.1	364114.68	581951.81
LTP (POTATO BABY STATE COM #902H)	10585.8	7874.8	-78.2	371959.59	581898.67
BHL (POTATO BABY STATE COM #902H)	10586.0	7924.9	-77.5	372009.61	581899.36
Shape	Circle (Radius: 50.0)				
Point	Point				
Rectangle (Sides: L7895.7 W100.0)	Rectangle (Sides: L7895.7 W100.0)				



PWP0.1									
MD	Inc	Azi	TVD	+N-S	+E-W	V-Sect	Departure	Annotation	
10085.5	0.00	0.00	10085.5	0.0	0.0	0.0	0.0	Start Build 12.00	
10834.1	89.82	356.95	10563.0	475.3	-25.3	475.5	476.0	Start DLS 2.00 TFO 90.00	
10967.3	89.82	359.61	10563.4	608.5	-29.3	608.7	609.2	Start 7266.6 hold at 10967.3 MD	
18233.9	89.82	359.61	10585.8	7874.8	-78.2	7875.2	7875.8	Start 50.0 hold at 18233.9 MD	
18283.9	89.82	359.61	10586.0	7924.8	-78.6	7925.2	7925.8	TD at 18283.9	

