

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

Form C-101

August 1, 2011

Permit 324627

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

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 30-015-49970
4. Property Code 329348	5. Property Name POTATO BABY STATE COM	6. Well No. 904H

7. Surface Location

UL - Lot H	Section 34	Township 26S	Range 28E	Lot Idn 4	Feet From 300	N/S Line S	Feet From 855	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot B	Section 22	Township 26S	Range 28E	Lot Idn B	Feet From 200	N/S Line N	Feet From 1800	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 GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3067
16. Multiple N	17. Proposed Depth 22663	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	8.75	7.625	29.7	9800	940	0
Int1	9.875	7.625	29.7	7000	940	0
Prod	6.75	5.5	20	22663	1692	9300
Prod	6.75	5.5	20	9300	1692	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- 49970	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 904H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3067.37'

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	855'	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
B	22	26-S	28-E		200'	NORTH	1800'	EAST	EDDY

12 Dedicated Acres 847.72	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=623102.14 LAT.= 32.00083075° N Y=364141.47 LONG.= -104.06956432° W 300' FSL, 855' FEL - SECTION 34 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=622157.05 LAT.= 32.00090814° N Y=364167.33 LONG.= -104.07261290° W 330' FSL, 1800' FEL - SECTION 34 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=622133.39 LAT.= 32.03424544° N Y=376294.48 LONG.= -104.07259485° W 330' FNL, 1800' FEL - SECTION 22 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=622133.50 LAT.= 32.03460280° N Y=376424.48 LONG.= -104.07259346° W 200' FNL, 1800' 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. Murica</i> 25490 Certificate Number
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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 324627

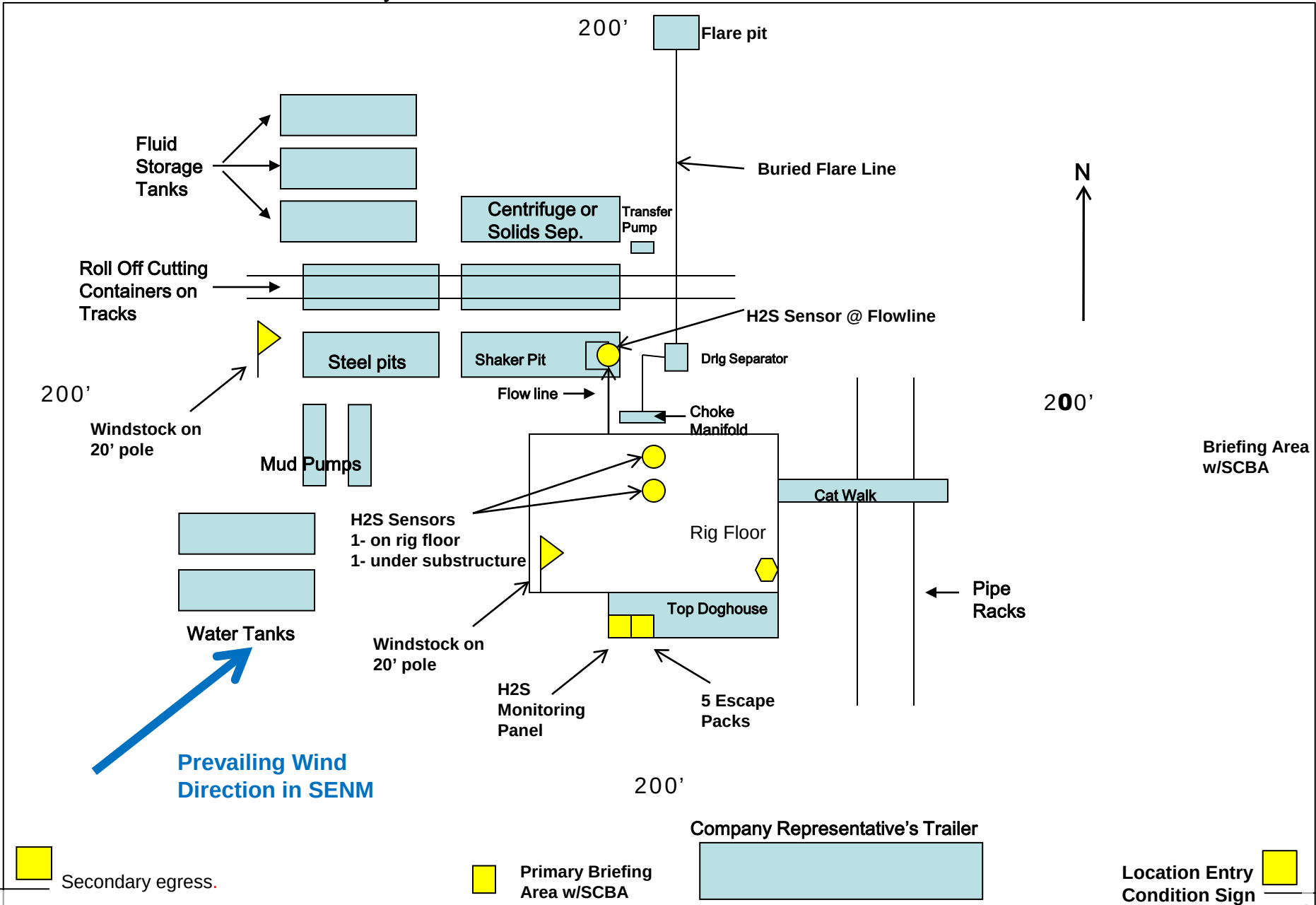
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-49970
	Well: POTATO BABY STATE COM #904H

OCD Reviewer	Condition
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:

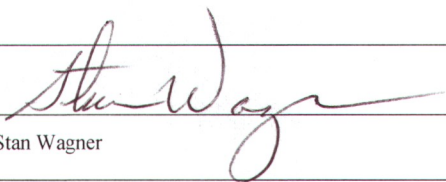
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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 904H

1. Geologic Formations

TVD of target	10,592' EOL	Pilot hole depth	NA
MD at TD:	22,663'	Deepest expected fresh water:	175'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	522	Water	
Top of Salt	862	Salt	
Base of Salt	2447	Salt	
Lamar	2623	Salt Water	
Bell Canyon	2656	Salt Water	
Cherry Canyon	3505	Oil/Gas	
Brushy Canyon	4694	Oil/Gas	
Bone Spring Lime	6271	Oil/Gas	
1st Bone Spring Sand	7206	Oil/Gas	
2nd Bone Spring Sand	7971	Oil/Gas	
3rd Bone Spring Sand	9006	Oil/Gas	
Wolfcamp A	9429	Oil/Gas	
Wolfcamp B	9740	Oil/Gas	
Wolfcamp C	10253	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	22,663	5.5"	20	P110	W441	1.79	2.46	3.44	2.80
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 904H

	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 904H

3. Cementing Program

Casing	# Sk	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
	1260	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 904H

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 904H

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 904H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6885 psi at 10592' 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 #904H

OWB

PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	1,500.0	PWP0.1 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cont. rev.5
1,500.0	10,079.1	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
10,079.1	22,663.2	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						Out of range
LECHUZA BQC FEDERAL #1H - OWB - AWP						Out of range
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP						Out of range
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD						Out of range
BOWSER SWD #2 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP	9,261.5	10,557.5	871.8	808.7	13.827	CC, ES, SF
WETHERBEE #402H - OWB - AWP						Out of range
WETHERBEE #405H - OWB - AWP						Out of range
WETHERBEE #422H - OWB - AWP						Out of range
WETHERBEE #424H - OWB - AWP						Out of range
WETHERBEE A ALLOCATION #405H - OWB - AWP						Out of range
WETHERBEE C ALLOCATION #407H - OWB - AWP	5,054.7	4,964.3	549.3	533.4	34.609	CC, ES
WETHERBEE C ALLOCATION #407H - OWB - AWP	7,695.0	7,576.8	619.7	598.5	29.129	SF
WETHERBEE D ALLOCATION #406H - OWB - AWP	1,564.1	1,557.5	858.2	849.4	98.151	CC, ES
WETHERBEE D ALLOCATION #406H - OWB - AWP	4,300.0	4,222.2	1,317.7	1,298.5	68.536	SF
WETHERBEE D ALLOCATION #408H - OWB - AWP	6,099.3	6,020.3	1,281.5	1,254.9	48.282	CC
WETHERBEE D ALLOCATION #408H - OWB - AWP	6,104.1	6,025.0	1,281.5	1,254.9	48.265	ES
WETHERBEE D ALLOCATION #408H - OWB - AWP	7,800.0	7,562.0	1,310.1	1,281.5	45.867	SF
WETHERBEE UNIT #423H - OWB - AWP	10,300.0	15,385.0	603.0	541.6	9.818	SF
WETHERBEE UNIT #423H - OWB - AWP	10,342.3	15,385.0	600.0	539.0	9.836	CC, ES

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
Offset Well - Wellbore - Design						
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #1H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,255.3	14,116.0	1,124.5	994.4	8.641	ES, SF
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	20,017.2	12,352.0	1,109.9	995.2	9.672	CC
DIAMONDBACK 22 STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #701H - OWB - AWP	2,414.4	2,416.8	75.7	66.0	7.837	CC, ES, SF
POTATO BABY STATE COM #702H - OWB - AWP	3,285.6	3,256.3	24.1	12.5	2.084	CC, ES, SF
POTATO BABY STATE COM #703H - OWB - AWP	3,658.3	3,616.5	80.0	62.2	4.506	CC, ES
POTATO BABY STATE COM #703H - OWB - AWP	9,544.7	9,582.1	118.5	68.7	2.381	SF
POTATO BABY STATE COM #704H - OWB - AWP	9,697.1	10,001.5	1,258.5	1,205.0	23.541	CC
POTATO BABY STATE COM #704H - OWB - AWP	9,700.0	10,002.0	1,258.5	1,205.0	23.539	ES, SF
POTATO BABY STATE COM #705H - OWB - AWP						Out of range
POTATO BABY STATE COM #706H - OWB - AWP						Out of range
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,500.0	1,498.0	90.0	81.1	10.120	CC, ES
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,520.0	1,517.5	90.1	81.1	10.052	SF
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,500.0	1,498.5	60.0	51.1	6.749	CC, ES
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,520.0	1,518.5	60.1	51.1	6.716	SF
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,900.0	1,903.3	29.9	18.9	2.718	CC, ES
POTATO BABY STATE COM #903H - OWB - PWP0.1	22,663.2	22,394.8	525.6	332.2	2.718	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,868.9	1,865.6	29.5	18.7	2.731	CC
POTATO BABY STATE COM #905H - OWB - PWP0.1	2,000.0	1,995.2	29.8	18.2	2.573	ES
POTATO BABY STATE COM #905H - OWB - PWP0.1	2,100.0	2,094.1	30.8	18.6	2.530	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1	10,114.9	10,192.5	1,038.3	979.5	17.652	CC
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,663.2	22,721.8	1,042.7	846.1	5.304	ES, SF
POTATO BABY STATE COM #907H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #908H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #909H - OWB - PWP0.1						Out of range
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	5,121.9	4,989.7	1.7	-74.2	0.023	Advise and Monitor, CC, SF
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	5,130.0	4,997.6	2.6	-78.5	0.032	Advise and Monitor, ES
SRO STATE #61H - OWB - AWP						Out of range

ConocoPhillips

Anticollision Report

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Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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)		Separation Factor	Warning
Offset Well - Wellbore - Design						
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1	22,663.2	21,882.0				Out of Range @TD
KEG SHELL FEDERAL COM #705H - OWB - PWP1	22,663.2	21,802.6				Out of Range @TD
KEG SHELL FEDERAL COM #706H - OWB - PWP1	22,663.2	21,858.8				Out of Range @TD
KEG SHELL FEDERAL COM #906H - OWB - PWP0	22,663.2	23,050.7				Out of Range @TD
KEG SHELL FEDERAL COM #907H - OWB - PWP0	22,663.2	22,764.5				Out of Range @TD
KEG SHELL FEDERAL COM #908H - OWB - PWP0	22,663.2	22,905.8				Out of Range @TD
KEG SHELL FEDERAL COM #909H - OWB - PWP0	22,663.2	22,693.5				Out of Range @TD
KEG SHELL FEDERAL COM #910H - OWB - PWP0	22,663.2	22,914.7				Out of Range @TD
LECHUZA BQC FEDERAL #1H - OWB - AWP	22,663.2	11,732.0				Out of Range @TD
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP	22,663.2	2,655.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD	22,663.2	10,604.6				Out of Range @TD
BOWSER SWD #2 - OWB - SWD	22,663.2	10,529.6				Out of Range @TD
WETHERBEE #401H - OWB - AWP	22,663.2	10,304.8				Out of Range @TD
WETHERBEE #402H - OWB - AWP	22,663.2	10,728.2				Out of Range @TD
WETHERBEE #405H - OWB - AWP	22,663.2	7,667.0				Out of Range @TD
WETHERBEE #422H - OWB - AWP	22,663.2	15,540.0				Out of Range @TD
WETHERBEE #424H - OWB - AWP	22,663.2	15,475.0				Out of Range @TD
WETHERBEE A ALLOCATION #405H - OWB - AWP	22,663.2	7,667.0				Out of Range @TD
WETHERBEE C ALLOCATION #407H - OWB - AWP	22,663.2	7,781.0				Out of Range @TD
WETHERBEE D ALLOCATION #406H - OWB - AWP	22,663.2	7,631.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	22,663.2	7,562.0				Out of Range @TD
WETHERBEE UNIT #423H - OWB - AWP	22,663.2	15,385.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,663.2	9,326.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #1H - OWB - AWP	22,663.2	8,246.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	22,663.2	10,180.0	1,304.8	1,206.6	13.285	
DIAMONDBACK 22 STATE COM #5H - OWB - AWP	22,663.2	8,355.0				Out of Range @TD
POTATO BABY STATE COM #701H - OWB - AWP	22,663.2	16,584.0				Out of Range @TD
POTATO BABY STATE COM #702H - OWB - AWP	22,663.2	20,709.0				Out of Range @TD
POTATO BABY STATE COM #703H - OWB - AWP	22,663.2	21,865.0	1,037.3	838.7	5.224	
POTATO BABY STATE COM #704H - OWB - AWP	22,663.2	21,915.0				Out of Range @TD
POTATO BABY STATE COM #705H - OWB - AWP	22,663.2	21,713.3				Out of Range @TD
POTATO BABY STATE COM #706H - OWB - AWP	22,663.2	21,821.0				Out of Range @TD
POTATO BABY STATE COM #901H - OWB - PWP0.1	22,663.2	18,096.7				Out of Range @TD
POTATO BABY STATE COM #902H - OWB - PWP0.1	22,663.2	18,284.8				Out of Range @TD
POTATO BABY STATE COM #903H - OWB - PWP0.1	22,663.2	22,394.8	525.6	332.2	2.718	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	22,663.2	22,170.0	532.9	336.6	2.716	
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,663.2	22,721.8	1,042.7	846.1	5.304	ES, SF
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,663.2	22,442.9				Out of Range @TD
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,663.2	22,562.7				Out of Range @TD
POTATO BABY STATE COM #909H - OWB - PWP0.1	22,663.2	22,326.4				Out of Range @TD
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	22,663.2	13,334.0				Out of Range @TD
SRO STATE #61H - OWB - AWP	22,663.2	12,702.0				Out of Range @TD

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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											Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation
Measured	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor
Depth	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)	Warning
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
8,300.0	8,190.9	10,548.5	9,192.7	24.2	47.9	-178.84	-845.8	-962.7	1,297.8	1,246.8	51.05	25.425
8,360.0	8,250.9	10,549.0	9,192.7	24.2	47.9	-178.87	-845.8	-962.2	1,254.0	1,202.2	51.86	24.180
8,400.0	8,290.9	10,549.4	9,192.7	24.2	47.9	-178.90	-845.8	-961.8	1,225.6	1,173.2	52.43	23.378
8,455.0	8,345.9	10,549.9	9,192.7	24.2	47.9	-178.93	-845.8	-961.3	1,187.6	1,134.4	53.22	22.313
8,500.0	8,390.9	10,550.4	9,192.7	24.2	47.9	-178.96	-845.8	-960.8	1,157.5	1,103.6	53.89	21.477
8,550.0	8,440.9	10,550.9	9,192.8	24.2	47.9	-178.99	-845.8	-960.4	1,125.2	1,070.6	54.66	20.587
8,600.0	8,490.9	10,551.3	9,192.8	24.3	47.9	-179.02	-845.8	-959.9	1,094.3	1,038.9	55.43	19.742
8,645.0	8,535.9	10,551.8	9,192.8	24.3	47.9	-179.05	-845.8	-959.5	1,067.7	1,011.6	56.14	19.020
8,700.0	8,590.9	10,552.3	9,192.8	24.3	48.0	-179.09	-845.8	-958.9	1,036.9	979.9	57.00	18.192
8,740.0	8,630.9	10,552.6	9,192.8	24.3	48.0	-179.11	-845.8	-958.6	1,015.8	958.2	57.62	17.629
8,800.0	8,690.9	10,553.2	9,192.8	24.3	48.0	-179.15	-845.8	-958.0	986.4	927.8	58.54	16.849
8,835.0	8,725.9	10,553.5	9,192.8	24.4	48.0	-179.17	-845.8	-957.7	970.5	911.4	59.07	16.431
8,900.0	8,790.9	10,554.2	9,192.8	24.4	48.0	-179.21	-845.8	-957.1	943.7	883.8	59.99	15.732
8,930.0	8,820.9	10,554.4	9,192.8	24.4	48.0	-179.23	-845.8	-956.8	932.7	872.3	60.39	15.443
9,000.0	8,890.9	10,555.1	9,192.8	24.4	48.0	-179.27	-845.8	-956.1	910.1	848.9	61.25	14.859
9,025.0	8,915.9	10,555.3	9,192.8	24.4	48.0	-179.29	-845.8	-955.9	903.3	841.7	61.53	14.681
9,100.0	8,990.9	10,556.0	9,192.8	24.5	48.0	-179.33	-845.8	-955.2	886.6	824.4	62.23	14.247
9,120.0	9,010.9	10,556.2	9,192.8	24.5	48.0	-179.35	-845.8	-955.0	883.2	820.8	62.39	14.156
9,200.0	9,090.9	10,556.9	9,192.8	24.5	48.0	-179.39	-845.8	-954.3	873.9	811.1	62.86	13.903
9,215.0	9,105.9	10,557.1	9,192.8	24.5	48.0	-179.40	-845.9	-954.1	873.0	810.1	62.92	13.875
9,261.5	9,152.4	10,557.5	9,192.8	24.5	48.0	-179.43	-845.9	-953.7	871.8	808.7	63.05	13.827 CC, ES, SF
9,300.0	9,190.9	10,557.9	9,192.8	24.5	48.1	-179.45	-845.9	-953.3	872.6	809.5	63.09	13.831
9,310.0	9,200.9	10,558.0	9,192.8	24.5	48.1	-179.46	-845.9	-953.3	873.1	810.0	63.09	13.838
9,400.0	9,290.9	10,558.8	9,192.8	24.6	48.1	-179.52	-845.9	-952.4	882.7	819.8	62.94	14.024
9,405.0	9,295.9	10,558.8	9,192.8	24.6	48.1	-179.52	-845.9	-952.4	883.5	820.6	62.93	14.040
9,500.0	9,390.9	10,559.7	9,192.8	24.6	48.1	-179.58	-845.9	-951.5	903.8	841.3	62.46	14.470
9,595.0	9,485.9	10,560.6	9,192.8	24.6	48.1	-179.63	-845.9	-950.6	933.4	871.6	61.77	15.112
9,600.0	9,490.9	10,560.6	9,192.8	24.7	48.1	-179.64	-845.9	-950.6	935.2	873.5	61.72	15.151
9,690.0	9,580.9	10,561.5	9,192.9	24.7	48.1	-179.69	-845.9	-949.8	971.4	910.5	60.93	15.944
9,700.0	9,590.9	10,561.5	9,192.9	24.7	48.1	-179.70	-845.9	-949.7	975.8	915.0	60.83	16.042
9,785.0	9,675.9	10,562.3	9,192.9	24.7	48.1	-179.75	-845.9	-948.9	1,016.9	956.9	60.01	16.945
9,800.0	9,690.9	10,562.5	9,192.9	24.7	48.1	-179.76	-845.9	-948.8	1,024.7	964.8	59.86	17.117
9,880.0	9,770.9	10,563.2	9,192.9	24.8	48.2	-179.80	-845.9	-948.0	1,068.9	1,009.8	59.08	18.092
9,900.0	9,790.9	10,563.4	9,192.9	24.8	48.2	-179.82	-845.9	-947.9	1,080.6	1,021.7	58.89	18.350
9,975.0	9,865.9	10,564.0	9,192.9	24.8	48.2	-179.86	-845.9	-947.2	1,126.5	1,068.3	58.18	19.363
10,000.0	9,890.9	10,564.3	9,192.9	24.8	48.2	-179.87	-845.9	-947.0	1,142.5	1,084.6	57.95	19.716
10,070.0	9,960.9	10,564.9	9,192.9	24.8	48.2	-179.92	-845.9	-946.3	1,188.9	1,131.6	57.35	20.731
10,079.1	9,970.0	10,565.0	9,192.9	24.8	48.2	-179.92	-845.9	-946.2	1,195.2	1,137.9	57.28	20.867
10,100.0	9,990.9	10,565.2	9,192.9	24.8	48.2	-179.82	-845.9	-946.1	1,209.8	1,152.7	57.11	21.185
10,150.0	10,040.7	10,565.6	9,192.9	24.8	48.2	-179.83	-845.9	-945.7	1,247.7	1,190.9	56.78	21.975
10,165.0	10,055.6	10,565.7	9,192.9	24.8	48.2	-179.83	-845.9	-945.5	1,259.7	1,203.0	56.69	22.220
10,200.0	10,090.0	10,565.9	9,192.9	24.8	48.2	-179.83	-845.9	-945.3	1,288.9	1,232.4	56.52	22.804

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
Reference	Offset	Semi Major Axis		Offset		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	14.5	14.5	4.2	3.0	-121.03	-523.7	-870.6	1,016.0				
95.0	95.0	115.3	115.3	4.3	3.0	-121.04	-523.6	-870.2	1,015.6	1,008.3	7.26	139.872	
100.0	100.0	120.6	120.6	4.3	3.0	-121.04	-523.6	-870.2	1,015.6	1,008.3	7.26	139.814	
190.0	190.0	214.3	214.3	4.3	3.0	-121.00	-522.7	-869.7	1,014.7	1,007.4	7.35	138.135	
200.0	200.0	223.9	223.9	4.4	3.0	-121.00	-522.5	-869.7	1,014.6	1,007.3	7.36	137.883	
285.0	285.0	305.9	305.9	4.4	3.0	-120.93	-521.1	-869.7	1,013.9	1,006.5	7.44	136.292	
300.0	300.0	320.6	320.6	4.4	3.0	-120.92	-520.9	-869.7	1,013.8	1,006.3	7.46	135.987	
380.0	380.0	399.0	399.0	4.5	3.0	-120.83	-519.4	-870.1	1,013.3	1,005.8	7.53	134.559	
400.0	400.0	420.2	420.1	4.5	3.0	-120.81	-518.9	-870.2	1,013.2	1,005.6	7.55	134.174	
475.0	475.0	499.9	499.9	4.6	3.1	-120.72	-517.1	-870.4	1,012.5	1,004.9	7.62	132.804	
500.0	500.0	526.6	526.6	4.6	3.1	-120.68	-516.5	-870.4	1,012.2	1,004.6	7.65	132.304	
570.0	570.0	601.4	601.3	4.7	3.1	-120.58	-514.4	-870.4	1,011.2	1,003.4	7.72	130.941	
600.0	600.0	630.6	630.5	4.7	3.1	-120.54	-513.5	-870.3	1,010.7	1,002.9	7.76	130.321	
665.0	665.0	694.2	694.1	4.8	3.1	-120.47	-512.0	-870.0	1,009.6	1,001.8	7.82	129.032	
700.0	700.0	730.8	730.7	4.8	3.1	-120.45	-511.3	-869.8	1,009.1	1,001.2	7.87	128.289	
760.0	760.0	794.3	794.1	4.9	3.2	-120.42	-510.2	-869.0	1,007.9	1,000.0	7.94	127.008	
800.0	800.0	836.2	836.1	4.9	3.2	-120.41	-509.6	-868.4	1,007.1	999.1	7.99	126.098	
855.0	855.0	893.9	893.7	5.0	3.2	-120.40	-508.7	-867.3	1,005.8	997.7	8.06	124.840	
900.0	900.0	940.5	940.3	5.0	3.2	-120.39	-508.1	-866.3	1,004.6	996.5	8.12	123.780	
950.0	950.0	992.2	992.0	5.1	3.3	-120.40	-507.5	-864.9	1,003.3	995.1	8.18	122.603	
1,000.0	1,000.0	1,041.3	1,041.1	5.1	3.3	-120.42	-507.1	-863.6	1,001.9	993.6	8.25	121.427	
1,045.0	1,045.0	1,085.1	1,084.8	5.1	3.3	-120.44	-506.8	-862.4	1,000.6	992.3	8.31	120.392	
1,100.0	1,100.0	1,141.8	1,141.5	5.2	3.3	-120.47	-506.5	-860.9	999.2	990.8	8.39	119.094	
1,140.0	1,140.0	1,183.9	1,183.6	5.2	3.4	-120.49	-506.1	-859.7	998.0	989.6	8.45	118.145	
1,200.0	1,200.0	1,239.6	1,239.3	5.3	3.4	-120.50	-505.5	-858.1	996.3	987.8	8.53	116.749	
1,235.0	1,235.0	1,270.7	1,270.4	5.3	3.4	-120.51	-505.2	-857.4	995.5	986.9	8.58	115.976	
1,300.0	1,300.0	1,331.5	1,331.1	5.4	3.5	-120.51	-504.7	-856.4	994.2	985.5	8.68	114.560	
1,330.0	1,330.0	1,361.0	1,360.6	5.4	3.5	-120.52	-504.5	-855.9	993.7	985.0	8.72	113.912	
1,400.0	1,400.0	1,431.8	1,431.4	5.5	3.5	-120.55	-504.4	-854.6	992.5	983.7	8.83	112.407	
1,425.0	1,425.0	1,458.0	1,457.6	5.5	3.5	-120.56	-504.4	-854.1	992.1	983.2	8.87	111.874	
1,500.0	1,500.0	1,536.6	1,536.2	5.6	3.6	-120.63	-504.5	-852.1	990.5	981.5	8.98	110.275	
1,520.0	1,520.0	1,557.6	1,557.2	5.6	3.6	-32.23	-504.6	-851.5	989.9	980.9	9.02	109.702	
1,600.0	1,600.0	1,637.2	1,636.8	5.7	3.6	-32.41	-505.0	-848.9	986.6	977.4	9.19	107.346	
1,615.0	1,615.0	1,651.3	1,650.9	5.7	3.6	-32.45	-505.1	-848.5	985.7	976.5	9.23	106.791	
1,700.0	1,699.8	1,736.0	1,735.5	5.8	3.7	-32.77	-505.7	-846.0	980.0	970.5	9.47	103.533	
1,710.0	1,709.8	1,746.8	1,746.3	5.8	3.7	-32.81	-505.8	-845.7	979.2	969.7	9.49	103.131	
1,800.0	1,799.5	1,838.3	1,837.8	6.0	3.8	-33.29	-506.3	-842.6	970.1	960.4	9.75	99.452	
1,805.0	1,804.4	1,843.0	1,842.5	6.0	3.8	-33.32	-506.3	-842.5	969.6	959.8	9.77	99.245	
1,900.0	1,898.7	1,931.4	1,930.8	6.3	3.8	-33.95	-507.1	-839.6	957.7	947.6	10.05	95.307	
1,995.0	1,992.5	2,017.9	2,017.3	6.6	3.9	-34.67	-507.9	-837.5	944.0	933.7	10.33	91.369	
2,000.0	1,997.5	2,022.5	2,021.9	6.6	3.9	-34.71	-507.9	-837.4	943.2	932.9	10.35	91.167	
2,090.0	2,085.8	2,105.2	2,104.6	6.9	3.9	-35.55	-508.9	-836.0	928.5	917.9	10.61	87.472	
2,100.0	2,095.6	2,114.9	2,114.3	6.9	4.0	-35.65	-509.1	-835.8	926.7	916.1	10.64	87.064	
2,185.0	2,178.5	2,197.4	2,196.8	7.2	4.0	-36.60	-509.8	-834.8	910.9	900.0	10.90	83.534	
2,200.1	2,193.1	2,214.0	2,213.3	7.2	4.0	-36.80	-509.9	-834.6	907.9	896.9	10.95	82.886	
2,280.0	2,270.7	2,303.4	2,302.7	7.5	4.1	-37.74	-510.3	-832.8	891.2	880.0	11.18	79.683	
2,300.0	2,290.1	2,322.8	2,322.1	7.5	4.1	-37.96	-510.4	-832.2	886.9	875.7	11.24	78.888	
2,375.0	2,362.9	2,396.8	2,396.1	7.7	4.2	-38.80	-510.7	-830.1	870.9	859.5	11.47	75.949	
2,400.0	2,387.1	2,417.7	2,417.0	7.8	4.2	-39.04	-510.7	-829.5	865.7	854.1	11.54	75.036	
2,470.0	2,455.0	2,474.7	2,474.0	8.0	4.3	-39.70	-511.0	-828.4	851.5	839.8	11.73	72.575	
2,500.0	2,484.1	2,500.0	2,499.3	8.1	4.3	-39.99	-511.3	-828.1	845.8	834.0	11.82	71.573	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
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		
2,565.0	2,547.2	2,559.3	2,558.6	8.4	4.3	-40.69	-511.9	-827.7	833.7	821.7	11.97	69.630		
2,600.0	2,581.2	2,591.8	2,591.0	8.5	4.3	-41.07	-512.2	-827.6	827.3	815.3	12.06	68.620		
2,660.0	2,639.4	2,648.3	2,647.6	8.7	4.3	-41.74	-512.7	-827.5	816.7	804.5	12.19	67.020		
2,700.0	2,678.2	2,686.2	2,685.5	8.8	4.3	-42.20	-513.1	-827.6	809.6	797.4	12.27	65.994		
2,755.0	2,731.6	2,739.4	2,738.7	9.0	4.3	-42.84	-513.6	-827.8	800.2	787.8	12.38	64.640		
2,800.0	2,775.2	2,783.3	2,782.5	9.2	4.3	-43.39	-513.9	-827.9	792.5	780.0	12.47	63.566		
2,850.0	2,823.7	2,831.7	2,830.9	9.4	4.3	-44.00	-514.3	-828.1	784.0	771.4	12.57	62.393		
2,900.0	2,872.3	2,880.0	2,879.2	9.6	4.3	-44.62	-514.7	-828.3	775.6	763.0	12.66	61.249		
2,945.0	2,915.9	2,923.3	2,922.6	9.8	4.3	-45.18	-515.1	-828.5	768.2	755.4	12.75	60.240		
3,000.0	2,969.3	2,976.3	2,975.5	10.0	4.3	-45.88	-515.5	-828.8	759.2	746.4	12.86	59.041		
3,040.0	3,008.1	3,014.8	3,014.0	10.1	4.3	-46.40	-515.7	-829.1	752.8	739.9	12.94	58.200		
3,100.0	3,066.3	3,072.4	3,071.6	10.4	4.3	-47.19	-516.2	-829.5	743.4	730.3	13.05	56.958		
3,135.0	3,100.3	3,106.3	3,105.5	10.5	4.3	-47.66	-516.4	-829.8	738.0	724.8	13.13	56.221		
3,200.0	3,163.3	3,172.2	3,171.5	10.8	4.2	-48.60	-516.8	-830.3	727.9	714.6	13.25	54.927		
3,230.0	3,192.5	3,202.5	3,201.7	10.9	4.2	-49.03	-516.9	-830.5	723.2	709.9	13.31	54.347		
3,300.0	3,260.4	3,268.4	3,267.6	11.2	4.2	-49.99	-517.1	-831.0	712.6	699.1	13.45	52.983		
3,325.0	3,284.6	3,291.9	3,291.1	11.3	4.2	-50.34	-517.3	-831.1	708.9	695.4	13.50	52.515		
3,400.0	3,357.4	3,367.7	3,366.9	11.6	4.2	-51.50	-517.6	-831.7	697.9	684.2	13.64	51.156		
3,420.0	3,376.8	3,388.1	3,387.3	11.7	4.2	-51.81	-517.6	-831.9	694.9	681.2	13.68	50.799		
3,500.0	3,454.4	3,467.0	3,466.2	12.0	4.2	-53.04	-517.5	-832.4	683.1	669.3	13.84	49.361		
3,515.0	3,469.0	3,481.7	3,480.9	12.1	4.2	-53.28	-517.5	-832.5	681.0	667.1	13.87	49.097		
3,600.0	3,551.5	3,563.8	3,563.0	12.4	4.2	-54.59	-517.2	-833.2	668.8	654.8	14.04	47.638		
3,610.0	3,561.2	3,573.4	3,572.6	12.5	4.2	-54.75	-517.1	-833.3	667.4	653.4	14.06	47.472		
3,700.0	3,648.5	3,661.3	3,660.5	12.9	4.2	-56.20	-516.8	-834.2	655.1	640.9	14.23	46.035		
3,705.0	3,653.3	3,666.2	3,665.4	12.9	4.2	-56.28	-516.8	-834.3	654.5	640.2	14.24	45.958		
3,800.0	3,745.5	3,760.1	3,759.3	13.3	4.2	-57.91	-516.4	-835.1	641.8	627.4	14.40	44.560		
3,895.0	3,837.7	3,854.8	3,854.0	13.7	4.2	-59.57	-515.5	-836.0	629.4	614.9	14.57	43.202		
3,900.0	3,842.5	3,859.8	3,859.0	13.7	4.2	-59.66	-515.4	-836.1	628.8	614.2	14.58	43.133		
3,990.0	3,929.9	3,946.8	3,946.0	14.1	4.2	-61.25	-514.4	-836.9	617.3	602.6	14.73	41.920		
4,000.0	3,939.6	3,956.2	3,955.4	14.2	4.2	-61.42	-514.3	-837.0	616.1	601.3	14.74	41.791		
4,085.0	4,022.1	4,038.0	4,037.2	14.6	4.2	-62.98	-513.6	-837.8	606.1	591.2	14.87	40.757		
4,100.0	4,036.6	4,052.8	4,052.0	14.6	4.2	-63.27	-513.5	-837.9	604.3	589.5	14.89	40.585		
4,180.0	4,114.2	4,129.5	4,128.7	15.0	4.3	-64.81	-512.9	-838.4	595.4	580.4	14.99	39.709		
4,200.0	4,133.6	4,147.9	4,147.0	15.1	4.3	-65.19	-512.9	-838.5	593.3	578.3	15.02	39.505		
4,275.0	4,206.4	4,217.3	4,216.4	15.4	4.3	-66.66	-513.0	-838.8	586.0	570.9	15.10	38.810		
4,300.0	4,230.7	4,240.9	4,240.1	15.5	4.3	-67.18	-513.1	-838.9	583.7	568.6	15.12	38.607		
4,370.0	4,298.6	4,307.4	4,306.6	15.9	4.3	-68.64	-513.6	-839.3	577.8	562.6	15.18	38.073		
4,400.0	4,327.7	4,336.6	4,335.7	16.0	4.3	-69.29	-513.8	-839.5	575.4	560.2	15.20	37.861		
4,465.0	4,390.8	4,399.7	4,398.9	16.3	4.3	-70.71	-514.3	-839.9	570.5	555.3	15.24	37.423		
4,500.0	4,424.7	4,432.8	4,432.0	16.4	4.3	-71.45	-514.5	-840.2	568.1	552.8	15.27	37.194		
4,560.0	4,482.9	4,489.5	4,488.7	16.7	4.4	-72.74	-515.1	-840.7	564.3	548.9	15.32	36.827		
4,600.0	4,521.8	4,528.0	4,527.1	16.9	4.4	-73.62	-515.5	-841.2	562.0	546.6	15.35	36.601		
4,655.0	4,575.1	4,581.1	4,580.3	17.2	4.4	-74.86	-516.2	-841.7	559.1	543.7	15.40	36.307		
4,700.0	4,618.8	4,624.8	4,624.0	17.4	4.4	-75.89	-516.8	-842.1	557.0	541.5	15.44	36.078		
4,750.0	4,667.3	4,673.5	4,672.6	17.6	4.4	-77.07	-517.5	-842.3	554.8	539.4	15.48	35.838		
4,800.0	4,715.8	4,721.1	4,720.2	17.8	4.5	-78.26	-518.2	-842.3	553.0	537.4	15.53	35.609		
4,845.0	4,759.5	4,763.0	4,762.1	18.0	4.5	-79.30	-519.0	-842.3	551.6	536.0	15.58	35.412		
4,900.0	4,812.8	4,814.6	4,813.7	18.3	4.5	-80.60	-520.1	-842.4	550.5	534.8	15.64	35.192		
4,940.0	4,851.6	4,853.0	4,852.1	18.5	4.5	-81.56	-521.0	-842.5	549.9	534.2	15.69	35.038		
5,000.0	4,909.9	4,910.8	4,909.8	18.8	4.6	-82.99	-522.4	-842.9	549.4	533.6	15.78	34.815		
5,035.0	4,943.8	4,945.0	4,944.1	18.9	4.6	-83.83	-523.2	-843.1	549.3	533.4	15.84	34.684		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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					Rule Assigned:							Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,054.7	4,963.0	4,964.3	4,963.4	19.0	4.6	-84.30	-523.7	-843.3	549.3	533.4	15.87	34.609	CC, ES		
5,100.0	5,006.9	5,008.5	5,007.6	19.2	4.6	-85.38	-524.7	-843.8	549.4	533.4	15.95	34.436			
5,130.0	5,036.0	5,037.3	5,036.4	19.4	4.6	-86.07	-525.3	-844.2	549.5	533.5	16.01	34.320			
5,200.0	5,103.9	5,104.7	5,103.7	19.7	4.7	-87.66	-526.9	-845.4	550.4	534.2	16.16	34.052			
5,225.0	5,128.2	5,129.2	5,128.2	19.8	4.7	-88.23	-527.5	-845.9	550.8	534.6	16.22	33.955			
5,300.0	5,201.0	5,202.7	5,201.6	20.2	4.7	-89.95	-529.2	-847.2	552.3	535.9	16.41	33.657			
5,320.0	5,220.4	5,221.8	5,220.8	20.3	4.8	-90.40	-529.6	-847.5	552.8	536.4	16.47	33.574			
5,404.0	5,301.9	5,302.2	5,301.1	20.6	4.8	-92.26	-531.6	-849.0	555.5	538.8	16.72	33.231			
5,415.0	5,312.5	5,312.8	5,311.7	20.7	4.8	-92.51	-531.9	-849.2	555.9	539.1	16.75	33.189			
5,500.0	5,395.4	5,394.7	5,393.5	21.1	4.9	-94.31	-534.2	-850.6	559.4	542.4	17.02	32.870			
5,510.0	5,405.2	5,404.4	5,403.2	21.2	4.9	-94.51	-534.4	-850.8	559.8	542.8	17.05	32.835			
5,600.0	5,493.5	5,493.1	5,491.9	21.6	5.0	-96.13	-537.0	-852.4	563.9	546.6	17.34	32.517			
5,605.0	5,498.4	5,498.0	5,496.8	21.6	5.0	-96.21	-537.1	-852.5	564.2	546.8	17.36	32.501			
5,700.0	5,592.3	5,593.0	5,591.7	22.0	5.0	-97.60	-539.8	-854.2	568.5	550.8	17.66	32.188			
5,795.0	5,686.5	5,687.5	5,686.2	22.4	5.1	-98.68	-542.3	-855.5	572.5	554.6	17.95	31.903			
5,800.0	5,691.5	5,692.4	5,691.2	22.5	5.1	-98.73	-542.4	-855.6	572.7	554.8	17.96	31.888			
5,890.0	5,781.1	5,779.4	5,778.0	22.8	5.2	-99.45	-544.9	-856.6	576.4	558.2	18.20	31.672			
5,900.0	5,791.1	5,789.0	5,787.7	22.9	5.2	-99.51	-545.2	-856.7	576.8	558.6	18.22	31.650			
5,985.0	5,876.0	5,874.9	5,873.5	23.2	5.3	-99.93	-547.8	-857.5	580.1	561.7	18.43	31.474			
6,000.0	5,890.9	5,890.2	5,888.8	23.2	5.3	-99.98	-548.2	-857.6	580.6	562.1	18.47	31.442			
6,080.0	5,970.9	5,971.3	5,969.8	23.4	5.4	-100.10	-550.5	-858.3	583.0	564.4	18.65	31.258			
6,104.1	5,995.0	5,995.6	5,994.2	23.4	5.4	171.48	-551.1	-858.6	583.6	564.9	18.70	31.205			
6,175.0	6,065.9	6,066.7	6,065.2	23.4	5.5	171.57	-553.0	-859.2	585.4	566.6	18.80	31.131			
6,200.0	6,090.9	6,091.7	6,090.3	23.4	5.5	171.60	-553.6	-859.5	586.0	567.1	18.84	31.105			
6,270.0	6,160.9	6,163.6	6,162.1	23.5	5.6	171.70	-555.4	-860.2	587.6	568.6	18.94	31.018			
6,300.0	6,190.9	6,194.5	6,193.0	23.5	5.6	171.75	-556.1	-860.6	588.2	569.2	18.99	30.977			
6,365.0	6,255.9	6,264.6	6,263.1	23.5	5.7	171.90	-557.4	-862.0	589.2	570.1	19.08	30.879			
6,400.0	6,290.9	6,302.5	6,300.9	23.5	5.7	172.00	-557.9	-863.0	589.5	570.3	19.13	30.815			
6,460.0	6,350.9	6,360.8	6,359.2	23.5	5.8	172.15	-558.5	-864.5	589.9	570.8	19.19	30.741			
6,500.0	6,390.9	6,400.0	6,398.4	23.5	5.8	172.24	-559.0	-865.3	590.3	571.1	19.23	30.692			
6,555.0	6,445.9	6,452.8	6,451.2	23.6	5.8	172.33	-559.8	-866.2	591.0	571.7	19.30	30.618			
6,600.0	6,490.9	6,496.2	6,494.6	23.6	5.9	172.38	-560.5	-866.6	591.7	572.3	19.36	30.559			
6,650.0	6,540.9	6,543.4	6,541.8	23.6	5.9	172.40	-561.5	-866.7	592.7	573.2	19.44	30.493			
6,700.0	6,590.9	6,590.5	6,588.9	23.6	6.0	172.40	-562.6	-866.5	593.9	574.3	19.51	30.434			
6,745.0	6,635.9	6,636.7	6,635.0	23.6	6.0	172.36	-563.7	-866.0	595.0	575.4	19.59	30.370			
6,800.0	6,690.9	6,694.4	6,692.8	23.6	6.1	172.29	-564.9	-865.0	596.2	576.6	19.70	30.272			
6,840.0	6,730.9	6,733.6	6,732.0	23.6	6.1	172.22	-565.5	-864.2	597.0	577.3	19.76	30.209			
6,900.0	6,790.9	6,791.8	6,790.1	23.7	6.2	172.11	-566.7	-862.9	598.4	578.5	19.86	30.124			
6,935.0	6,825.9	6,827.8	6,826.0	23.7	6.2	172.04	-567.4	-862.1	599.2	579.3	19.93	30.068			
7,000.0	6,890.9	6,895.7	6,894.0	23.7	6.2	171.94	-568.6	-860.8	600.5	580.5	20.05	29.949			
7,030.0	6,920.9	6,925.1	6,923.4	23.7	6.3	171.91	-569.1	-860.4	601.1	581.0	20.10	29.898			
7,100.0	6,990.9	6,992.9	6,991.1	23.7	6.3	171.88	-570.4	-860.0	602.5	582.3	20.22	29.798			
7,125.0	7,015.9	7,017.6	7,015.9	23.7	6.4	171.89	-571.0	-860.0	603.1	582.8	20.26	29.763			
7,200.0	7,090.9	7,092.7	7,090.9	23.8	6.5	171.87	-572.6	-859.5	604.8	584.4	20.40	29.649			
7,220.0	7,110.9	7,112.2	7,110.4	23.8	6.5	171.85	-573.1	-859.3	605.2	584.8	20.43	29.621			
7,300.0	7,190.9	7,189.6	7,187.8	23.8	6.5	171.74	-574.8	-857.9	607.2	586.7	20.57	29.517			
7,315.0	7,205.9	7,204.2	7,202.4	23.8	6.6	171.71	-575.2	-857.5	607.7	587.1	20.60	29.498			
7,400.0	7,290.9	7,288.6	7,286.7	23.8	6.6	171.53	-577.3	-855.2	610.1	589.3	20.76	29.393			
7,410.0	7,300.9	7,298.5	7,296.6	23.8	6.7	171.51	-577.6	-855.0	610.4	589.6	20.78	29.380			
7,500.0	7,390.9	7,387.5	7,385.6	23.9	6.7	171.33	-579.9	-852.6	613.1	592.2	20.94	29.274			
7,505.0	7,395.9	7,392.5	7,390.5	23.9	6.7	171.32	-580.1	-852.5	613.3	592.3	20.95	29.269			

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
7,600.0	7,490.9	7,486.0	7,483.9	23.9	6.8	171.13	-582.7	-850.1	616.3	595.2	21.13	29.167
7,695.0	7,585.9	7,576.8	7,574.7	23.9	6.9	170.92	-585.6	-847.4	619.7	598.5	21.28	29.129 SF
7,700.0	7,590.9	7,581.5	7,579.4	23.9	6.9	170.91	-585.8	-847.2	619.9	598.7	21.28	29.130
7,790.0	7,680.9	7,635.4	7,633.2	24.0	7.0	170.89	-589.0	-846.5	625.8	604.5	21.31	29.361
7,800.0	7,690.9	7,640.1	7,637.8	24.0	7.0	170.90	-589.5	-846.5	626.8	605.5	21.32	29.398
7,885.0	7,775.9	7,689.3	7,686.5	24.0	7.1	171.06	-596.6	-847.1	638.5	617.1	21.44	29.778
7,900.0	7,790.9	7,711.8	7,708.7	24.0	7.1	171.18	-600.1	-847.9	640.7	619.2	21.46	29.855
7,980.0	7,870.9	7,768.1	7,764.2	24.0	7.2	171.55	-609.2	-850.7	653.3	631.7	21.55	30.309
8,000.0	7,890.9	7,781.0	7,776.8	24.0	7.2	171.65	-611.9	-851.4	657.1	635.5	21.59	30.440
8,075.0	7,965.9	7,813.0	7,807.8	24.1	7.3	171.90	-619.6	-853.2	674.2	652.4	21.79	30.947
8,100.0	7,990.9	7,823.7	7,818.0	24.1	7.3	172.00	-622.5	-853.9	680.8	658.9	21.87	31.131
8,170.0	8,060.9	7,853.5	7,846.4	24.1	7.4	172.28	-631.7	-855.9	701.8	679.6	22.13	31.704
8,200.0	8,090.9	7,865.6	7,857.6	24.1	7.5	172.40	-635.9	-856.7	711.8	689.6	22.27	31.971
8,265.0	8,155.9	7,891.2	7,881.2	24.1	7.6	172.67	-645.6	-858.6	735.9	713.3	22.57	32.603
8,300.0	8,190.9	7,908.0	7,896.5	24.2	7.7	172.85	-652.6	-859.9	750.0	727.3	22.74	32.986
8,360.0	8,250.9	7,940.0	7,925.1	24.2	7.7	173.19	-666.8	-862.4	775.7	752.8	22.99	33.749
8,400.0	8,290.9	7,953.8	7,937.3	24.2	7.8	173.35	-673.1	-863.5	793.8	770.6	23.18	34.245
8,455.0	8,345.9	7,972.0	7,953.1	24.2	7.8	173.55	-681.9	-865.0	820.1	796.6	23.46	34.958
8,500.0	8,390.9	7,985.6	7,964.7	24.2	7.9	173.70	-688.9	-866.2	842.9	819.2	23.73	35.521
8,550.0	8,440.9	8,003.0	7,979.2	24.2	7.9	173.91	-698.5	-867.7	869.8	845.8	24.03	36.202
8,600.0	8,490.9	8,003.0	7,979.2	24.3	7.9	173.91	-698.5	-867.7	898.1	873.7	24.36	36.866
8,645.0	8,535.9	8,018.4	7,991.5	24.3	8.0	174.09	-707.5	-869.1	924.7	900.0	24.67	37.483
8,700.0	8,590.9	8,035.0	8,004.4	24.3	8.2	174.29	-718.0	-870.6	958.7	933.6	25.04	38.291
8,740.0	8,630.9	8,035.0	8,004.4	24.3	8.2	174.29	-718.0	-870.6	984.2	958.9	25.30	38.905
8,800.0	8,690.9	8,048.9	8,014.7	24.3	8.2	174.45	-727.2	-871.9	1,023.9	998.2	25.69	39.859
8,835.0	8,725.9	8,067.0	8,027.6	24.4	8.3	174.66	-739.8	-873.4	1,048.0	1,022.0	25.91	40.442
8,900.0	8,790.9	8,067.0	8,027.6	24.4	8.3	174.66	-739.8	-873.4	1,093.2	1,066.8	26.31	41.545
8,930.0	8,820.9	8,067.0	8,027.6	24.4	8.3	174.66	-739.8	-873.4	1,114.7	1,088.2	26.49	42.074
9,000.0	8,890.9	8,081.1	8,037.2	24.4	8.4	174.82	-750.1	-874.7	1,166.0	1,139.0	26.92	43.309
9,025.0	8,915.9	8,084.6	8,039.4	24.4	8.4	174.86	-752.7	-874.9	1,184.6	1,157.6	27.07	43.763
9,100.0	8,990.9	8,099.0	8,048.6	24.5	8.5	175.01	-763.8	-876.2	1,241.8	1,214.3	27.50	45.151
9,120.0	9,010.9	8,099.0	8,048.6	24.5	8.5	175.01	-763.8	-876.2	1,257.3	1,229.7	27.61	45.531

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
0.0	0.0	0.0	0.0	4.2	3.0	137.31	-632.2	583.1	860.3				
95.0	95.0	66.6	66.6	4.3	3.0	137.30	-632.3	583.4	860.4	853.1	7.26	118.505	
100.0	100.0	71.0	71.0	4.3	3.0	137.30	-632.3	583.4	860.4	853.2	7.26	118.470	
190.0	190.0	156.6	156.5	4.3	3.0	137.27	-632.8	584.6	861.6	854.3	7.34	117.347	
200.0	200.0	166.4	166.4	4.4	3.0	137.27	-632.9	584.7	861.8	854.4	7.36	117.164	
285.0	285.0	252.9	252.8	4.4	3.0	137.24	-633.6	585.9	863.1	855.6	7.44	116.024	
300.0	300.0	268.5	268.5	4.4	3.0	137.23	-633.7	586.1	863.3	855.8	7.46	115.784	
380.0	380.0	349.3	349.2	4.5	3.0	137.18	-633.9	587.3	864.2	856.7	7.54	114.634	
400.0	400.0	369.1	369.0	4.5	3.0	137.17	-634.0	587.6	864.5	856.9	7.56	114.322	
475.0	475.0	445.3	445.3	4.6	3.1	137.13	-634.2	588.7	865.4	857.7	7.64	113.225	
500.0	500.0	471.2	471.2	4.6	3.1	137.11	-634.2	589.1	865.6	858.0	7.67	112.831	
570.0	570.0	542.7	542.7	4.7	3.1	137.05	-634.0	590.2	866.2	858.5	7.75	111.793	
600.0	600.0	573.1	573.0	4.7	3.1	137.02	-633.9	590.7	866.5	858.7	7.78	111.334	
665.0	665.0	638.6	638.6	4.8	3.1	136.96	-633.6	591.6	866.9	859.1	7.85	110.385	
700.0	700.0	673.9	673.8	4.8	3.1	136.93	-633.5	592.2	867.2	859.3	7.89	109.860	
760.0	760.0	736.2	736.1	4.9	3.2	136.87	-633.2	593.0	867.5	859.6	7.96	109.014	
800.0	800.0	778.7	778.6	4.9	3.2	136.84	-632.8	593.5	867.6	859.6	8.00	108.432	
855.0	855.0	835.2	835.1	5.0	3.2	136.78	-632.3	594.1	867.6	859.6	8.05	107.720	
900.0	900.0	880.6	880.5	5.0	3.2	136.75	-631.9	594.5	867.6	859.5	8.10	107.062	
950.0	950.0	933.0	932.9	5.1	3.2	136.71	-631.4	594.9	867.5	859.3	8.15	106.441	
1,000.0	1,000.0	986.6	986.5	5.1	3.3	136.68	-630.8	595.0	867.2	859.0	8.19	105.840	
1,045.0	1,045.0	1,032.5	1,032.4	5.1	3.3	136.66	-630.4	594.9	866.8	858.6	8.23	105.319	
1,100.0	1,100.0	1,087.6	1,087.5	5.2	3.3	136.64	-629.8	594.8	866.3	858.0	8.28	104.688	
1,140.0	1,140.0	1,130.6	1,130.5	5.2	3.3	136.62	-629.3	594.7	865.9	857.6	8.31	104.226	
1,200.0	1,200.0	1,197.3	1,197.1	5.3	3.3	136.61	-628.4	594.0	864.9	856.5	8.36	103.479	
1,235.0	1,235.0	1,233.6	1,233.5	5.3	3.3	136.62	-627.9	593.4	864.2	855.8	8.39	103.009	
1,300.0	1,300.0	1,300.7	1,300.6	5.4	3.3	136.65	-627.2	592.0	862.7	854.2	8.45	102.108	
1,330.0	1,330.0	1,329.5	1,329.3	5.4	3.3	136.68	-626.9	591.2	861.9	853.5	8.48	101.669	
1,400.0	1,400.0	1,396.7	1,396.5	5.5	3.3	136.76	-626.8	589.3	860.5	851.9	8.55	100.664	
1,425.0	1,425.0	1,420.9	1,420.7	5.5	3.3	136.80	-626.8	588.6	860.0	851.4	8.57	100.304	
1,500.0	1,500.0	1,493.6	1,493.3	5.6	3.3	136.92	-627.1	586.4	858.7	850.0	8.65	99.237	
1,520.0	1,520.0	1,513.4	1,513.1	5.6	3.3	-134.62	-627.2	585.9	858.4	849.7	8.68	98.890	
1,564.1	1,564.1	1,557.5	1,557.2	5.7	3.3	-134.58	-627.5	584.6	858.2	849.4	8.74	98.151 CC, ES	
1,600.0	1,600.0	1,593.3	1,593.0	5.7	3.3	-134.57	-627.7	583.5	858.3	849.5	8.80	97.588	
1,615.0	1,615.0	1,609.4	1,609.1	5.7	3.3	-134.56	-627.8	583.0	858.5	849.7	8.83	97.270	
1,700.0	1,699.8	1,705.0	1,704.7	5.8	3.3	-134.62	-628.0	579.5	859.8	850.8	9.00	95.500	
1,710.0	1,709.8	1,713.7	1,713.4	5.8	3.3	-134.63	-628.0	579.2	860.0	851.0	9.03	95.293	
1,800.0	1,799.5	1,800.0	1,799.6	6.0	3.3	-134.80	-627.9	576.1	863.4	854.2	9.22	93.611	
1,805.0	1,804.4	1,800.0	1,799.6	6.0	3.3	-134.80	-627.9	576.1	863.7	854.4	9.23	93.531	
1,900.0	1,898.7	1,890.5	1,890.1	6.3	3.3	-135.11	-627.9	573.8	870.2	860.8	9.46	92.011	
1,995.0	1,992.5	1,987.1	1,986.6	6.6	3.3	-135.58	-627.8	571.8	879.4	869.7	9.70	90.657	
2,000.0	1,997.5	1,992.2	1,991.8	6.6	3.3	-135.61	-627.8	571.7	880.0	870.3	9.71	90.587	
2,090.0	2,085.8	2,079.4	2,078.9	6.9	3.4	-136.14	-627.5	570.0	890.8	880.9	9.96	89.399	
2,100.0	2,095.6	2,089.0	2,088.5	6.9	3.4	-136.21	-627.5	569.8	892.2	882.2	9.99	89.276	
2,185.0	2,178.5	2,172.9	2,172.4	7.2	3.4	-136.80	-627.3	568.3	904.8	894.5	10.25	88.246	
2,200.1	2,193.1	2,187.8	2,187.3	7.2	3.4	-136.91	-627.2	568.0	907.2	896.9	10.30	88.074	
2,280.0	2,270.7	2,262.4	2,261.9	7.5	3.4	-137.65	-626.9	566.8	920.4	909.9	10.53	87.393	
2,300.0	2,290.1	2,280.8	2,280.3	7.5	3.5	-137.83	-626.9	566.5	923.8	913.2	10.59	87.225	
2,375.0	2,362.9	2,348.6	2,348.1	7.7	3.5	-138.49	-626.7	565.8	936.9	926.1	10.82	86.605	
2,400.0	2,387.1	2,371.0	2,370.5	7.8	3.5	-138.71	-626.7	565.7	941.3	930.4	10.89	86.411	
2,470.0	2,455.0	2,436.4	2,435.9	8.0	3.5	-139.32	-627.0	565.3	954.2	943.0	11.11	85.856	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						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		
2,500.0	2,484.1	2,465.5	2,465.0	8.1	3.5	-139.58	-627.1	565.1	959.7	948.5	11.21	85.623		
2,565.0	2,547.2	2,528.0	2,527.5	8.4	3.6	-140.14	-627.5	564.6	971.8	960.4	11.42	85.094		
2,600.0	2,581.2	2,561.3	2,560.8	8.5	3.6	-140.43	-627.8	564.4	978.4	966.8	11.53	84.819		
2,660.0	2,639.4	2,619.3	2,618.8	8.7	3.6	-140.92	-628.3	564.0	989.8	978.0	11.74	84.313		
2,700.0	2,678.2	2,659.4	2,658.9	8.8	3.6	-141.25	-628.7	563.7	997.4	985.5	11.88	83.963		
2,755.0	2,731.6	2,714.1	2,713.5	9.0	3.7	-141.68	-629.2	563.1	1,007.8	995.7	12.08	83.452		
2,800.0	2,775.2	2,757.7	2,757.2	9.2	3.7	-142.02	-629.7	562.6	1,016.3	1,004.1	12.24	83.033		
2,850.0	2,823.7	2,806.2	2,805.7	9.4	3.7	-142.39	-630.1	562.1	1,025.9	1,013.5	12.43	82.549		
2,900.0	2,872.3	2,855.1	2,854.6	9.6	3.7	-142.76	-630.5	561.6	1,035.5	1,022.9	12.62	82.064		
2,945.0	2,915.9	2,899.1	2,898.6	9.8	3.8	-143.09	-630.9	561.2	1,044.2	1,031.4	12.79	81.612		
3,000.0	2,969.3	2,951.0	2,950.5	10.0	3.8	-143.47	-631.4	560.6	1,054.8	1,041.8	13.01	81.106		
3,040.0	3,008.1	2,988.7	2,988.2	10.1	3.8	-143.74	-631.9	560.3	1,062.6	1,049.5	13.16	80.724		
3,100.0	3,066.3	3,049.9	3,049.4	10.4	3.9	-144.17	-632.5	559.7	1,074.4	1,061.0	13.42	80.084		
3,135.0	3,100.3	3,086.3	3,085.8	10.5	3.9	-144.42	-632.7	559.3	1,081.2	1,067.6	13.57	79.703		
3,200.0	3,163.3	3,146.2	3,145.7	10.8	3.9	-144.85	-632.9	558.8	1,093.9	1,080.0	13.83	79.079		
3,230.0	3,192.5	3,173.0	3,172.4	10.9	4.0	-145.03	-633.1	558.6	1,099.8	1,085.9	13.96	78.804		
3,300.0	3,260.4	3,238.4	3,237.8	11.2	4.0	-145.48	-633.7	558.3	1,114.0	1,099.7	14.25	78.193		
3,325.0	3,284.6	3,262.6	3,262.0	11.3	4.0	-145.64	-633.9	558.3	1,119.1	1,104.7	14.35	77.977		
3,400.0	3,357.4	3,336.1	3,335.5	11.6	4.1	-146.12	-634.5	558.0	1,134.4	1,119.7	14.67	77.324		
3,420.0	3,376.8	3,356.0	3,355.4	11.7	4.1	-146.25	-634.6	557.9	1,138.4	1,123.7	14.76	77.144		
3,500.0	3,454.4	3,435.2	3,434.6	12.0	4.1	-146.77	-635.1	557.6	1,154.7	1,139.6	15.11	76.410		
3,515.0	3,469.0	3,450.0	3,449.5	12.1	4.2	-146.86	-635.2	557.6	1,157.8	1,142.6	15.18	76.266		
3,600.0	3,551.5	3,536.5	3,536.0	12.4	4.2	-147.41	-635.4	557.2	1,175.1	1,159.5	15.58	75.406		
3,610.0	3,561.2	3,547.2	3,546.6	12.5	4.3	-147.48	-635.4	557.2	1,177.1	1,161.4	15.63	75.294		
3,700.0	3,648.5	3,638.9	3,638.3	12.9	4.3	-148.04	-635.3	556.4	1,195.0	1,178.9	16.08	74.309		
3,705.0	3,653.3	3,643.7	3,643.1	12.9	4.3	-148.07	-635.3	556.3	1,196.0	1,179.9	16.11	74.256		
3,800.0	3,745.5	3,732.9	3,732.3	13.3	4.4	-148.61	-635.2	555.6	1,214.9	1,198.4	16.58	73.299		
3,895.0	3,837.7	3,820.2	3,819.6	13.7	4.5	-149.12	-635.2	555.2	1,234.5	1,217.4	17.05	72.420		
3,900.0	3,842.5	3,825.2	3,824.6	13.7	4.5	-149.15	-635.2	555.2	1,235.5	1,218.4	17.07	72.370		
3,990.0	3,929.9	3,915.6	3,915.0	14.1	4.6	-149.67	-635.2	554.9	1,254.1	1,236.6	17.55	71.478		
4,000.0	3,939.6	3,925.8	3,925.2	14.2	4.6	-149.72	-635.2	554.9	1,256.2	1,238.6	17.60	71.376		
4,085.0	4,022.1	4,011.9	4,011.3	14.6	4.7	-150.20	-635.0	554.3	1,273.6	1,255.5	18.06	70.521		
4,100.0	4,036.6	4,026.2	4,025.6	14.6	4.7	-150.28	-635.0	554.2	1,276.6	1,258.5	18.14	70.380		
4,180.0	4,114.2	4,102.9	4,102.3	15.0	4.8	-150.68	-634.9	553.6	1,293.1	1,274.5	18.57	69.645		
4,200.0	4,133.6	4,122.9	4,122.3	15.1	4.8	-150.79	-634.9	553.5	1,297.2	1,278.5	18.68	69.456		
4,275.0	4,206.4	4,198.0	4,197.4	15.4	4.9	-151.17	-634.8	552.8	1,312.6	1,293.5	19.09	68.756		
4,300.0	4,230.7	4,222.2	4,221.6	15.5	4.9	-151.29	-634.8	552.6	1,317.7	1,298.5	19.23	68.536 SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #408H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7339-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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,700.0	5,592.3	5,626.1	5,625.9	22.0	5.7	-28.48	-561.7	-2,085.0	1,307.4	1,282.2	25.22	51.843		
5,795.0	5,686.5	5,725.9	5,725.7	22.4	5.8	-28.70	-562.7	-2,083.9	1,296.6	1,271.0	25.58	50.686		
5,800.0	5,691.5	5,730.7	5,730.5	22.5	5.8	-28.71	-562.8	-2,083.9	1,296.1	1,270.5	25.60	50.626		
5,890.0	5,781.1	5,817.3	5,817.1	22.8	5.9	-28.86	-563.7	-2,082.9	1,288.6	1,262.6	25.95	49.656		
5,900.0	5,791.1	5,826.8	5,826.6	22.9	5.9	-28.88	-563.8	-2,082.8	1,287.9	1,261.9	25.99	49.556		
5,985.0	5,876.0	5,907.9	5,907.7	23.2	6.0	-29.00	-565.0	-2,082.1	1,283.6	1,257.3	26.29	48.824		
6,000.0	5,890.9	5,922.6	5,922.3	23.2	6.0	-29.01	-565.3	-2,082.0	1,283.1	1,256.7	26.34	48.708		
6,080.0	5,970.9	6,001.0	6,000.7	23.4	6.1	-29.10	-566.6	-2,081.3	1,281.5	1,255.0	26.50	48.355		
6,099.3	5,990.3	6,020.3	6,020.0	23.4	6.1	-29.12	-566.9	-2,081.2	1,281.5	1,254.9	26.54	48.282 CC		
6,104.1	5,995.0	6,025.0	6,024.7	23.4	6.1	-117.56	-567.0	-2,081.2	1,281.5	1,254.9	26.55	48.265 ES		
6,175.0	6,065.9	6,095.6	6,095.4	23.4	6.2	-117.61	-568.0	-2,080.8	1,281.6	1,255.0	26.61	48.171		
6,200.0	6,090.9	6,119.3	6,119.1	23.4	6.2	-117.62	-568.3	-2,080.6	1,281.7	1,255.0	26.63	48.133		
6,270.0	6,160.9	6,185.0	6,184.7	23.5	6.3	-117.67	-569.4	-2,080.4	1,282.0	1,255.3	26.69	48.030		
6,300.0	6,190.9	6,214.7	6,214.4	23.5	6.3	-117.69	-569.9	-2,080.4	1,282.2	1,255.4	26.71	47.997		
6,365.0	6,255.9	6,282.9	6,282.6	23.5	6.4	-117.73	-570.8	-2,080.3	1,282.5	1,255.7	26.75	47.941		
6,400.0	6,290.9	6,316.4	6,316.0	23.5	6.4	-117.74	-571.1	-2,080.3	1,282.6	1,255.8	26.78	47.891		
6,460.0	6,350.9	6,368.8	6,368.5	23.5	6.4	-117.73	-571.2	-2,080.7	1,283.1	1,256.3	26.85	47.785		
6,500.0	6,390.9	6,404.4	6,404.1	23.5	6.5	-117.71	-571.0	-2,081.3	1,283.6	1,256.7	26.90	47.720		
6,555.0	6,445.9	6,461.8	6,461.5	23.6	6.4	-117.66	-570.4	-2,082.5	1,284.4	1,257.4	26.94	47.667		
6,600.0	6,490.9	6,508.5	6,508.1	23.6	6.4	-117.62	-569.7	-2,083.5	1,284.9	1,257.9	26.98	47.617		
6,650.0	6,540.9	6,558.6	6,558.2	23.6	6.4	-117.56	-568.8	-2,084.6	1,285.4	1,258.4	27.04	47.547		
6,700.0	6,590.9	6,607.9	6,607.5	23.6	6.4	-117.49	-567.7	-2,085.8	1,286.0	1,258.9	27.09	47.472		
6,745.0	6,635.9	6,649.0	6,648.6	23.6	6.4	-117.44	-566.9	-2,086.8	1,286.6	1,259.4	27.15	47.393		
6,800.0	6,690.9	6,700.0	6,699.6	23.6	6.4	-117.37	-565.9	-2,088.3	1,287.5	1,260.3	27.22	47.308		
6,840.0	6,730.9	6,740.0	6,739.5	23.6	6.4	-117.32	-565.2	-2,089.5	1,288.2	1,261.0	27.26	47.262		
6,900.0	6,790.9	6,801.3	6,800.8	23.7	6.4	-117.23	-564.0	-2,091.3	1,289.3	1,262.0	27.32	47.197		
6,935.0	6,825.9	6,837.6	6,837.1	23.7	6.4	-117.18	-563.2	-2,092.3	1,289.8	1,262.5	27.35	47.157		
7,000.0	6,890.9	6,905.3	6,904.7	23.7	6.4	-117.08	-561.7	-2,094.3	1,290.8	1,263.4	27.42	47.081		
7,030.0	6,920.9	6,937.8	6,937.2	23.7	6.4	-117.03	-560.8	-2,095.2	1,291.2	1,263.8	27.45	47.046		
7,100.0	6,990.9	7,013.2	7,012.6	23.7	6.3	-116.90	-558.5	-2,097.1	1,291.9	1,264.4	27.51	46.953		
7,125.0	7,015.9	7,039.5	7,038.9	23.7	6.3	-116.85	-557.7	-2,097.8	1,292.1	1,264.5	27.54	46.914		
7,200.0	7,090.9	7,118.3	7,117.5	23.8	6.3	-116.74	-555.6	-2,099.3	1,292.4	1,264.8	27.62	46.796		
7,220.0	7,110.9	7,139.0	7,138.3	23.8	6.3	-116.71	-555.2	-2,099.6	1,292.5	1,264.9	27.64	46.763		
7,300.0	7,190.9	7,219.9	7,219.1	23.8	6.3	-116.66	-554.1	-2,100.4	1,292.7	1,265.0	27.72	46.632		
7,315.0	7,205.9	7,233.9	7,233.1	23.8	6.3	-116.65	-554.0	-2,100.5	1,292.7	1,265.0	27.74	46.606		
7,400.0	7,290.9	7,314.1	7,313.4	23.8	6.4	-116.64	-554.0	-2,100.9	1,293.2	1,265.4	27.82	46.480		
7,410.0	7,300.9	7,324.1	7,323.4	23.8	6.4	-116.65	-554.1	-2,101.0	1,293.3	1,265.5	27.83	46.472		
7,500.0	7,390.9	7,415.3	7,414.6	23.9	6.4	-116.68	-555.1	-2,101.2	1,293.9	1,266.0	27.87	46.421		
7,505.0	7,395.9	7,420.4	7,419.6	23.9	6.4	-116.68	-555.1	-2,101.2	1,293.9	1,266.1	27.88	46.418		
7,600.0	7,490.9	7,485.9	7,485.0	23.9	6.5	-116.80	-557.9	-2,100.7	1,295.2	1,267.2	28.02	46.228		
7,695.0	7,585.9	7,531.0	7,529.7	23.9	6.6	-117.07	-564.3	-2,100.0	1,300.0	1,271.7	28.25	46.012		
7,700.0	7,590.9	7,531.0	7,529.7	23.9	6.6	-117.07	-564.3	-2,100.0	1,300.3	1,272.1	28.27	45.997		
7,790.0	7,680.9	7,562.0	7,559.9	24.0	6.7	-117.34	-571.3	-2,099.8	1,308.9	1,280.4	28.53	45.879		
7,800.0	7,690.9	7,562.0	7,559.9	24.0	6.7	-117.34	-571.3	-2,099.8	1,310.1	1,281.5	28.56	45.867 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
9,400.0	9,290.9	15,385.0	10,481.8	24.6	91.3	167.68	-444.5	-842.3	1,288.6	1,225.7	62.85	20.501	
9,405.0	9,295.9	15,385.0	10,481.8	24.6	91.3	167.68	-444.5	-842.3	1,283.9	1,221.1	62.86	20.425	
9,500.0	9,390.9	15,385.0	10,481.8	24.6	91.3	167.68	-444.5	-842.3	1,196.4	1,133.4	62.98	18.997	
9,595.0	9,485.9	15,385.0	10,481.8	24.6	91.3	167.68	-444.5	-842.3	1,110.1	1,047.0	63.07	17.602	
9,600.0	9,490.9	15,385.0	10,481.8	24.7	91.3	167.68	-444.5	-842.3	1,105.6	1,042.5	63.07	17.529	
9,690.0	9,580.9	15,385.0	10,481.8	24.7	91.3	167.68	-444.5	-842.3	1,025.3	962.2	63.12	16.243	
9,700.0	9,590.9	15,385.0	10,481.8	24.7	91.3	167.68	-444.5	-842.3	1,016.5	953.4	63.13	16.102	
9,785.0	9,675.9	15,385.0	10,481.8	24.7	91.3	167.68	-444.5	-842.3	942.5	879.4	63.14	14.928	
9,800.0	9,690.9	15,385.0	10,481.8	24.7	91.3	167.68	-444.5	-842.3	929.7	866.5	63.13	14.725	
9,880.0	9,770.9	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	862.2	799.1	63.09	13.665	
9,900.0	9,790.9	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	845.7	782.6	63.08	13.407	
9,975.0	9,865.9	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	785.2	722.2	62.98	12.467	
10,000.0	9,890.9	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	765.6	702.7	62.94	12.164	
10,070.0	9,960.9	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	712.5	649.7	62.89	11.331	
10,079.1	9,970.0	15,385.0	10,481.8	24.8	91.3	167.68	-444.5	-842.3	705.8	643.0	62.87	11.226	
10,100.0	9,990.9	15,385.0	10,481.8	24.8	91.3	168.23	-444.5	-842.3	691.0	628.2	62.80	11.003	
10,150.0	10,040.7	15,385.0	10,481.8	24.8	91.3	169.05	-444.5	-842.3	659.1	596.5	62.59	10.530	
10,165.0	10,055.6	15,385.0	10,481.8	24.8	91.3	169.24	-444.5	-842.3	650.6	588.1	62.51	10.409	
10,200.0	10,090.0	15,385.0	10,481.8	24.8	91.3	169.61	-444.5	-842.3	633.1	570.9	62.28	10.166	
10,250.0	10,138.4	15,385.0	10,481.8	24.9	91.3	169.98	-444.5	-842.3	614.2	552.3	61.88	9.925	
10,260.0	10,147.9	15,385.0	10,481.8	24.9	91.3	170.03	-444.5	-842.3	611.3	549.5	61.79	9.893	
10,300.0	10,185.5	15,385.0	10,481.8	24.9	91.3	170.18	-444.5	-842.3	603.0	541.6	61.41	9.818 SF	
10,342.3	10,224.0	15,385.0	10,481.8	24.9	91.3	170.23	-444.5	-842.3	600.0	539.0	61.00	9.836 CC, ES	
10,350.0	10,230.9	15,385.0	10,481.8	24.9	91.3	170.23	-444.5	-842.3	600.1	539.1	60.92	9.850	
10,355.0	10,235.4	15,385.0	10,481.8	24.9	91.3	170.22	-444.5	-842.3	600.2	539.4	60.87	9.861	
10,400.0	10,274.4	15,385.0	10,481.8	24.9	91.3	170.13	-444.5	-842.3	605.6	545.1	60.44	10.020	
10,450.0	10,315.6	15,385.0	10,481.8	24.9	91.3	169.88	-444.5	-842.3	619.2	559.2	60.00	10.320	
10,500.0	10,354.1	15,385.0	10,481.8	24.9	91.3	169.46	-444.5	-842.3	640.4	580.8	59.64	10.739	
10,545.0	10,386.3	15,385.0	10,481.8	24.9	91.3	168.90	-444.5	-842.3	665.3	605.9	59.37	11.205	
10,550.0	10,389.7	15,385.0	10,481.8	24.9	91.3	168.83	-444.5	-842.3	668.3	609.0	59.35	11.262	
10,600.0	10,422.1	15,385.0	10,481.8	24.9	91.3	167.91	-444.5	-842.3	701.9	642.8	59.12	11.872	
10,640.0	10,445.5	15,385.0	10,481.8	25.0	91.3	166.90	-444.5	-842.3	732.1	673.2	58.98	12.414	
10,650.0	10,451.0	15,385.0	10,481.8	25.0	91.3	166.60	-444.5	-842.3	740.1	681.2	58.95	12.555	
10,700.0	10,476.3	15,385.0	10,481.8	25.0	91.3	164.68	-444.5	-842.3	782.0	723.2	58.81	13.299	
10,735.0	10,491.8	15,385.0	10,481.8	25.0	91.3	162.77	-444.5	-842.3	813.2	754.4	58.72	13.849	
10,750.0	10,497.8	15,385.0	10,481.8	25.0	91.3	161.75	-444.5	-842.3	826.9	768.2	58.68	14.091	
10,800.0	10,515.2	15,385.0	10,481.8	25.1	91.3	156.93	-444.5	-842.3	873.8	815.2	58.56	14.920	
10,830.0	10,523.7	15,385.0	10,481.8	25.1	91.3	152.35	-444.5	-842.3	902.6	844.2	58.49	15.432	
10,850.0	10,528.5	15,385.0	10,481.8	25.1	91.3	148.06	-444.5	-842.3	922.1	863.7	58.45	15.777	
10,900.0	10,537.5	15,385.0	10,481.8	25.2	91.3	128.82	-444.5	-842.3	971.4	913.1	58.32	16.656	
10,925.0	10,540.4	15,385.0	10,481.8	25.2	91.3	111.11	-444.5	-842.3	996.2	938.0	58.25	17.101	
10,950.0	10,542.3	15,385.0	10,481.8	25.2	91.3	87.49	-444.5	-842.3	1,021.1	962.9	58.19	17.547	
10,976.7	10,543.0	15,385.0	10,481.8	25.3	91.3	62.74	-444.5	-842.3	1,047.7	989.5	58.12	18.027	
11,000.0	10,543.1	15,385.0	10,481.8	25.3	91.3	62.74	-444.5	-842.3	1,070.8	1,012.7	58.05	18.445	
11,020.0	10,543.2	15,385.0	10,481.8	25.3	91.3	62.74	-444.5	-842.3	1,090.7	1,032.7	58.00	18.804	
11,100.0	10,543.5	15,385.0	10,481.8	25.5	91.3	62.74	-444.5	-842.3	1,170.3	1,112.4	57.82	20.240	
11,115.0	10,543.6	15,385.0	10,481.8	25.5	91.3	62.74	-444.5	-842.3	1,185.2	1,127.4	57.79	20.509	
11,200.0	10,543.9	15,385.0	10,481.8	25.6	91.3	62.74	-444.5	-842.3	1,269.8	1,212.2	57.64	22.032	
11,210.0	10,544.0	15,385.0	10,481.8	25.7	91.3	62.74	-444.5	-842.3	1,279.8	1,222.2	57.62	22.211	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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											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)	
17,575.0	10,570.7	14,116.0	10,360.1	60.4	66.4	77.62	7,878.1	138.2	1,314.3	1,203.9	110.39	11.906
17,600.0	10,570.8	14,116.0	10,360.1	60.6	66.4	77.62	7,878.1	138.2	1,301.5	1,190.1	111.45	11.678
17,670.0	10,571.1	14,116.0	10,360.1	61.1	66.4	77.62	7,878.1	138.2	1,267.7	1,153.3	114.39	11.083
17,700.0	10,571.2	14,116.0	10,360.1	61.3	66.4	77.62	7,878.1	138.2	1,254.2	1,138.5	115.62	10.847
17,765.0	10,571.5	14,116.0	10,360.1	61.8	66.4	77.62	7,878.1	138.2	1,226.8	1,108.5	118.22	10.377
17,800.0	10,571.6	14,116.0	10,360.1	62.0	66.4	77.62	7,878.1	138.2	1,213.2	1,093.6	119.56	10.148
17,860.0	10,571.9	14,116.0	10,360.1	62.4	66.4	77.62	7,878.1	138.2	1,192.0	1,070.2	121.74	9.791
17,900.0	10,572.0	14,116.0	10,360.1	62.7	66.4	77.62	7,878.1	138.2	1,179.3	1,056.2	123.10	9.580
17,955.0	10,572.3	14,116.0	10,360.1	63.1	66.4	77.62	7,878.1	138.2	1,163.9	1,039.1	124.81	9.325
18,000.0	10,572.4	14,116.0	10,360.1	63.4	66.4	77.62	7,878.1	138.2	1,153.1	1,027.1	126.08	9.146
18,050.0	10,572.7	14,116.0	10,360.1	63.8	66.4	77.62	7,878.1	138.2	1,143.1	1,015.8	127.30	8.979
18,100.0	10,572.9	14,116.0	10,360.1	64.1	66.4	77.62	7,878.1	138.2	1,135.2	1,006.9	128.34	8.846
18,145.0	10,573.1	14,116.0	10,360.1	64.4	66.4	77.62	7,878.1	138.2	1,129.9	1,000.8	129.08	8.754
18,200.0	10,573.3	14,116.0	10,360.1	64.8	66.4	77.62	7,878.1	138.2	1,125.9	996.1	129.75	8.677
18,240.0	10,573.5	14,116.0	10,360.1	65.1	66.4	77.62	7,878.1	138.2	1,124.6	994.6	130.06	8.647
18,255.3	10,573.5	14,116.0	10,360.1	65.2	66.4	77.62	7,878.1	138.2	1,124.5	994.4	130.14	8.641 ES, SF
18,300.0	10,573.7	14,095.5	10,359.8	65.5	66.1	77.61	7,898.6	138.5	1,125.2	995.2	130.03	8.654
18,335.0	10,573.9	14,060.3	10,359.2	65.8	65.5	77.58	7,933.7	139.1	1,126.0	996.3	129.71	8.681
18,400.0	10,574.1	13,995.2	10,358.2	66.2	64.5	77.52	7,998.8	140.0	1,127.3	998.1	129.13	8.730
18,430.0	10,574.3	13,957.9	10,357.6	66.4	63.9	77.49	8,036.1	140.4	1,127.8	999.0	128.77	8.758
18,500.0	10,574.5	13,867.1	10,356.1	66.9	62.4	77.40	8,126.9	140.3	1,128.1	1,000.3	127.88	8.822
18,525.0	10,574.6	13,845.8	10,355.9	67.1	62.0	77.38	8,148.2	140.1	1,128.1	1,000.4	127.70	8.834
18,527.8	10,574.7	13,843.5	10,355.8	67.1	62.0	77.38	8,150.5	140.1	1,128.1	1,000.4	127.68	8.835
18,600.0	10,575.0	13,771.6	10,354.6	67.6	60.8	77.31	8,222.4	139.9	1,128.3	1,001.3	127.04	8.882
18,620.0	10,575.0	13,749.5	10,353.9	67.8	60.5	77.26	8,244.5	139.6	1,128.3	1,001.5	126.83	8.896
18,648.4	10,575.2	13,722.7	10,353.1	68.0	60.0	77.22	8,271.2	139.4	1,128.3	1,001.7	126.59	8.913
18,700.0	10,575.4	13,672.0	10,352.0	68.4	59.2	77.15	8,321.9	139.0	1,128.3	1,002.2	126.13	8.945
18,715.0	10,575.4	13,655.8	10,351.6	68.5	58.9	77.12	8,338.1	138.9	1,128.3	1,002.3	125.98	8.956
18,800.0	10,575.8	13,563.5	10,349.5	69.1	57.4	76.99	8,430.4	137.7	1,127.9	1,002.8	125.12	9.015
18,810.0	10,575.8	13,553.2	10,349.4	69.1	57.3	76.98	8,440.7	137.6	1,127.9	1,002.8	125.02	9.021
18,900.0	10,576.2	13,450.5	10,348.9	69.8	55.6	76.93	8,543.4	136.5	1,127.4	1,003.3	124.05	9.088
18,905.0	10,576.2	13,445.7	10,349.0	69.8	55.5	76.93	8,548.2	136.4	1,127.3	1,003.3	124.01	9.090
19,000.0	10,576.6	13,366.0	10,349.5	70.5	54.2	76.92	8,627.9	135.2	1,126.1	1,002.7	123.40	9.126
19,005.1	10,576.7	13,366.0	10,349.5	70.5	54.2	76.92	8,627.9	135.2	1,126.1	1,002.7	123.42	9.124
19,095.0	10,577.0	13,302.0	10,350.4	71.2	53.2	76.97	8,691.9	136.2	1,127.3	1,004.3	122.96	9.168
19,100.0	10,577.1	13,302.0	10,350.4	71.2	53.2	76.97	8,691.9	136.2	1,127.4	1,004.4	122.97	9.168
19,190.0	10,577.4	13,244.4	10,352.0	71.8	52.3	77.07	8,749.4	139.3	1,131.6	1,009.1	122.50	9.238
19,200.0	10,577.5	13,233.0	10,352.4	71.9	52.1	77.10	8,760.7	140.0	1,132.2	1,009.8	122.41	9.249
19,285.0	10,577.8	13,129.1	10,353.4	72.5	50.4	77.18	8,864.5	144.8	1,136.0	1,014.5	121.54	9.347
19,300.0	10,577.9	13,110.9	10,352.9	72.6	50.1	77.16	8,882.7	145.3	1,136.6	1,015.2	121.38	9.364
19,380.0	10,578.2	13,032.7	10,350.9	73.2	48.9	77.07	8,960.8	147.2	1,139.1	1,018.4	120.70	9.438
19,400.0	10,578.3	13,020.4	10,350.8	73.4	48.7	77.06	8,973.1	147.6	1,139.9	1,019.3	120.60	9.452
19,475.0	10,578.6	12,796.0	10,353.7	73.9	45.0	77.16	9,197.3	146.4	1,142.0	1,024.3	117.74	9.699
19,500.0	10,578.7	12,772.8	10,353.9	74.1	44.7	77.13	9,220.3	144.3	1,139.8	1,022.3	117.56	9.696
19,570.0	10,579.0	12,720.6	10,353.3	74.6	43.8	77.04	9,272.3	139.8	1,134.3	1,017.0	117.30	9.670
19,600.0	10,579.2	12,699.0	10,352.6	74.8	43.5	76.99	9,293.9	138.2	1,132.3	1,015.1	117.19	9.662
19,665.0	10,579.4	12,637.3	10,350.4	75.3	42.5	76.82	9,355.4	133.7	1,128.5	1,011.8	116.68	9.672
19,700.0	10,579.6	12,604.0	10,349.7	75.5	41.9	76.75	9,388.6	131.3	1,126.3	1,009.9	116.40	9.676
19,760.0	10,579.8	12,558.6	10,350.6	75.9	41.2	76.75	9,433.9	128.9	1,123.1	1,006.9	116.15	9.669
19,800.0	10,580.0	12,523.9	10,352.3	76.2	40.6	76.82	9,468.6	127.7	1,121.4	1,005.5	115.91	9.675
19,855.0	10,580.2	12,421.6	10,356.5	76.6	39.0	76.93	9,570.5	121.0	1,117.1	1,002.5	114.57	9.751

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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												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
19,900.0	10,580.4	12,398.0	10,357.1	77.0	38.6	76.94	9,594.1	119.2	1,113.8	999.2	114.60	9.718	
19,950.0	10,580.6	12,383.0	10,357.6	77.3	38.3	76.95	9,609.0	118.4	1,111.2	996.4	114.79	9.680	
20,000.0	10,580.8	12,352.0	10,358.4	77.7	37.8	76.97	9,640.0	117.8	1,110.1	995.4	114.66	9.681	
20,017.2	10,580.9	12,352.0	10,358.4	77.8	37.8	76.97	9,640.0	117.8	1,109.9	995.2	114.75	9.672 CC	
20,045.0	10,581.0	12,321.8	10,358.7	78.0	37.4	76.99	9,670.2	117.8	1,109.9	995.5	114.49	9.694	
20,054.7	10,581.1	12,315.2	10,358.8	78.1	37.2	76.99	9,676.8	117.8	1,109.9	995.5	114.45	9.698	
20,100.0	10,581.3	12,284.5	10,359.1	78.4	36.8	77.00	9,707.5	118.0	1,110.3	996.0	114.26	9.718	
20,140.0	10,581.4	12,245.9	10,359.4	78.7	36.1	77.02	9,746.1	118.5	1,110.8	996.9	113.95	9.749	
20,200.0	10,581.7	12,165.3	10,359.9	79.1	34.9	77.03	9,826.7	119.2	1,111.5	998.3	113.20	9.819	
20,222.9	10,581.8	12,146.3	10,360.0	79.3	34.6	77.04	9,845.7	119.1	1,111.5	998.4	113.07	9.830	
20,235.0	10,581.8	12,137.0	10,360.1	79.4	34.4	77.04	9,855.0	119.1	1,111.5	998.5	113.00	9.836	
20,300.0	10,582.1	12,094.5	10,361.6	79.9	33.7	77.11	9,897.4	119.9	1,112.3	999.6	112.74	9.866	
20,330.0	10,582.2	12,073.6	10,362.9	80.1	33.4	77.18	9,918.2	120.7	1,113.0	1,000.5	112.59	9.886	
20,400.0	10,582.5	11,960.1	10,365.7	80.6	31.6	77.30	10,031.7	120.5	1,112.1	1,000.6	111.50	9.973	
20,425.0	10,582.6	11,942.0	10,365.7	80.8	31.3	77.30	10,049.8	120.4	1,112.0	1,000.6	111.39	9.983	
20,427.1	10,582.6	11,942.0	10,365.7	80.8	31.3	77.30	10,049.8	120.4	1,112.0	1,000.6	111.40	9.982	
20,500.0	10,582.9	11,910.0	10,365.7	81.3	30.8	77.29	10,081.8	120.7	1,113.2	1,001.9	111.25	10.006	
20,520.0	10,583.0	11,896.4	10,365.7	81.5	30.5	77.30	10,095.4	121.2	1,113.9	1,002.8	111.15	10.022	
20,600.0	10,583.3	11,812.8	10,365.8	82.0	29.2	77.33	10,178.8	125.5	1,118.1	1,007.7	110.48	10.121	
20,615.0	10,583.4	11,784.7	10,365.5	82.1	28.8	77.33	10,206.9	126.3	1,118.6	1,008.4	110.23	10.148	
20,700.0	10,583.8	11,698.6	10,363.5	82.8	27.4	77.23	10,293.0	128.0	1,121.0	1,011.4	109.55	10.232	
20,710.0	10,583.8	11,688.3	10,363.2	82.8	27.3	77.21	10,303.3	128.2	1,121.2	1,011.7	109.47	10.242	
20,800.0	10,584.2	11,615.7	10,362.0	83.5	26.2	77.16	10,375.9	129.8	1,123.9	1,015.0	108.93	10.318	
20,805.0	10,584.2	11,613.0	10,362.0	83.5	26.1	77.16	10,378.6	129.9	1,124.1	1,015.2	108.91	10.322	
20,900.0	10,584.6	11,548.4	10,361.9	84.2	25.1	77.18	10,443.1	133.8	1,129.8	1,021.4	108.39	10.423	
20,995.0	10,585.0	11,363.3	10,364.8	84.9	22.2	77.37	10,627.9	140.3	1,133.3	1,026.5	106.80	10.611	
21,000.0	10,585.0	11,359.7	10,364.9	84.9	22.1	77.37	10,631.5	140.3	1,133.3	1,026.5	106.78	10.613	
21,030.8	10,585.2	11,337.7	10,365.1	85.2	21.8	77.38	10,653.5	140.2	1,133.2	1,026.5	106.66	10.624	
21,090.0	10,585.4	11,284.3	10,365.9	85.6	21.0	77.41	10,706.9	140.5	1,133.5	1,027.2	106.29	10.664	
21,100.0	10,585.4	11,273.2	10,366.0	85.7	20.8	77.41	10,718.0	140.6	1,133.5	1,027.3	106.21	10.673	
21,185.0	10,585.8	11,194.5	10,366.8	86.3	19.6	77.44	10,796.7	140.9	1,133.9	1,028.2	105.67	10.730	
21,200.0	10,585.9	11,171.1	10,367.0	86.4	19.3	77.45	10,820.1	141.0	1,134.0	1,028.5	105.48	10.751	
21,280.0	10,586.2	11,075.5	10,368.8	87.0	17.9	77.51	10,915.6	140.3	1,133.2	1,028.5	104.76	10.817	
21,300.0	10,586.3	11,053.1	10,369.2	87.1	17.6	77.52	10,938.0	140.0	1,133.0	1,028.4	104.60	10.831	
21,375.0	10,586.6	10,956.5	10,371.4	87.7	16.2	77.59	11,034.6	137.8	1,131.1	1,027.3	103.86	10.891	
21,400.0	10,586.7	10,936.0	10,371.5	87.9	15.9	77.58	11,055.1	137.1	1,130.3	1,026.5	103.76	10.893	
21,470.0	10,587.0	10,872.0	10,371.8	88.4	15.0	77.57	11,119.1	135.4	1,128.6	1,025.2	103.42	10.913	
21,500.0	10,587.1	10,849.8	10,371.6	88.6	14.7	77.55	11,141.3	134.9	1,128.1	1,024.8	103.34	10.917	
21,565.0	10,587.4	10,790.4	10,367.7	89.1	13.9	77.32	11,200.5	132.9	1,127.1	1,024.0	103.07	10.935	
21,600.0	10,587.5	10,763.7	10,365.1	89.3	13.6	77.18	11,227.0	132.0	1,126.8	1,023.8	102.98	10.942	
21,617.6	10,587.6	10,749.9	10,363.9	89.5	13.4	77.11	11,240.8	131.7	1,126.8	1,023.8	102.94	10.946	
21,660.0	10,587.8	10,710.0	10,360.5	89.8	12.9	76.92	11,280.5	130.9	1,126.8	1,024.1	102.78	10.963	
21,692.6	10,587.9	10,675.1	10,357.3	90.0	12.5	76.75	11,315.3	130.0	1,126.8	1,024.2	102.64	10.978	
21,700.0	10,588.0	10,669.1	10,356.8	90.1	12.4	76.72	11,321.2	129.9	1,126.8	1,024.2	102.63	10.980	
21,755.0	10,588.2	10,622.9	10,352.0	90.5	11.9	76.46	11,367.2	128.9	1,127.2	1,024.6	102.51	10.995	
21,800.0	10,588.4	10,593.4	10,347.4	90.8	11.6	76.22	11,396.4	128.1	1,127.9	1,025.4	102.48	11.006	
21,850.0	10,588.6	10,561.3	10,340.9	91.2	11.3	75.89	11,427.8	127.5	1,129.5	1,027.0	102.45	11.025	
21,900.0	10,588.8	10,529.7	10,333.0	91.5	11.1	75.49	11,458.4	126.9	1,131.9	1,029.5	102.40	11.053	
21,945.0	10,589.0	10,500.0	10,324.3	91.9	10.9	75.05	11,486.8	126.4	1,134.8	1,032.4	102.37	11.085	
22,000.0	10,589.2	10,467.7	10,313.4	92.3	10.7	74.51	11,517.2	125.9	1,139.2	1,036.9	102.33	11.133	
22,040.0	10,589.4	10,451.0	10,307.2	92.6	10.6	74.20	11,532.6	125.7	1,143.3	1,041.1	102.26	11.181	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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												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	
22,100.0	10,589.6	10,419.0	10,294.0	93.0	10.5	73.56	11,561.8	125.6	1,150.9	1,048.7	102.15	11.266	
22,135.0	10,589.8	10,401.3	10,286.0	93.3	10.4	73.17	11,577.6	125.6	1,156.0	1,054.0	102.07	11.326	
22,200.0	10,590.1	10,365.2	10,268.1	93.7	10.3	72.31	11,608.9	125.6	1,167.1	1,065.2	101.93	11.451	
22,230.0	10,590.2	10,346.0	10,257.8	94.0	10.2	71.82	11,625.1	125.5	1,172.8	1,070.9	101.88	11.512	
22,300.0	10,590.5	10,324.0	10,245.2	94.5	10.1	71.21	11,643.1	125.3	1,187.7	1,086.3	101.41	11.712	
22,325.0	10,590.6	10,306.8	10,234.7	94.7	10.1	70.71	11,656.7	125.0	1,193.6	1,092.3	101.38	11.774	
22,400.0	10,590.9	10,275.9	10,214.6	95.2	10.0	69.77	11,680.2	124.6	1,213.4	1,112.6	100.88	12.029	
22,420.0	10,591.0	10,267.0	10,208.7	95.4	10.0	69.49	11,686.8	124.5	1,219.2	1,118.5	100.75	12.102	
22,500.0	10,591.3	10,229.0	10,182.7	96.0	9.9	68.30	11,714.6	124.2	1,244.2	1,144.0	100.22	12.414	
22,515.0	10,591.4	10,229.0	10,182.7	96.1	9.9	68.30	11,714.6	124.2	1,249.2	1,149.2	99.95	12.498	
22,533.2	10,591.5	10,221.3	10,177.3	96.2	9.9	68.06	11,720.1	124.2	1,255.4	1,155.7	99.79	12.580	
22,600.0	10,591.7	10,197.0	10,160.1	96.7	9.9	67.28	11,737.2	124.2	1,279.8	1,180.7	99.09	12.915	
22,610.0	10,591.8	10,197.0	10,160.1	96.8	9.9	67.28	11,737.2	124.2	1,283.6	1,184.7	98.89	12.980	
22,663.2	10,592.0	10,180.0	10,147.6	97.2	9.8	66.72	11,748.8	124.3	1,304.8	1,206.6	98.21	13.285	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	5.4	5.4	3.0	3.0	-90.24	-1.4	-325.0	325.0					
95.0	95.0	96.4	96.4	3.0	3.0	-90.30	-1.7	-325.6	325.7	319.6	6.02	54.057		
100.0	100.0	101.2	101.2	3.0	3.0	-90.30	-1.7	-325.7	325.7	319.7	6.03	54.035		
190.0	190.0	193.0	193.0	3.1	3.0	-90.40	-2.3	-326.9	327.0	320.8	6.14	53.265		
200.0	200.0	203.8	203.8	3.2	3.0	-90.40	-2.3	-327.0	327.0	320.9	6.16	53.128		
285.0	285.0	293.9	293.9	3.3	3.0	-90.27	-1.5	-326.8	326.8	320.6	6.26	52.243		
300.0	300.0	309.3	309.2	3.3	3.0	-90.23	-1.3	-326.6	326.7	320.4	6.28	52.053		
380.0	380.0	390.0	390.0	3.4	3.0	-90.03	-0.2	-325.7	325.7	319.3	6.37	51.155		
400.0	400.0	410.2	410.1	3.4	3.0	-90.00	0.0	-325.4	325.4	319.0	6.39	50.913		
475.0	475.0	486.2	486.2	3.5	3.0	-90.03	-0.2	-324.2	324.3	317.8	6.48	50.061		
500.0	500.0	511.1	511.1	3.5	3.0	-90.07	-0.4	-323.8	323.8	317.3	6.51	49.758		
570.0	570.0	580.7	580.6	3.6	3.0	-90.16	-0.9	-322.7	322.8	316.2	6.59	48.980		
600.0	600.0	609.9	609.8	3.6	3.0	-90.21	-1.2	-322.3	322.3	315.7	6.63	48.640		
665.0	665.0	671.6	671.5	3.7	3.0	-90.28	-1.6	-321.8	321.8	315.1	6.70	48.011		
675.6	675.6	681.2	681.2	3.7	3.0	-90.29	-1.6	-321.8	321.8	315.1	6.71	47.922		
700.0	700.0	703.7	703.6	3.8	3.0	-90.32	-1.8	-321.9	321.9	315.1	6.74	47.737		
760.0	760.0	761.4	761.3	3.8	3.0	-90.40	-2.2	-322.3	322.4	315.6	6.81	47.368		
800.0	800.0	800.8	800.7	3.9	3.0	-90.45	-2.5	-323.0	323.0	316.2	6.85	47.162		
855.0	855.0	856.7	856.6	4.0	3.1	-90.52	-3.0	-323.7	323.8	316.9	6.91	46.871		
900.0	900.0	901.0	900.9	4.0	3.1	-90.56	-3.2	-324.3	324.4	317.4	6.96	46.622		
950.0	950.0	952.8	952.7	4.1	3.1	-90.62	-3.5	-325.0	325.0	318.0	7.01	46.352		
1,000.0	1,000.0	1,019.3	1,019.2	4.1	3.1	-90.91	-5.2	-323.8	324.2	317.1	7.07	45.875		
1,045.0	1,045.0	1,075.9	1,075.6	4.2	3.1	-91.37	-7.6	-320.7	321.7	314.6	7.11	45.276		
1,100.0	1,100.0	1,141.2	1,140.4	4.3	3.1	-92.13	-11.7	-314.0	316.1	309.0	7.15	44.183		
1,140.0	1,140.0	1,180.9	1,179.8	4.3	3.1	-92.64	-14.3	-309.5	311.7	304.5	7.20	43.297		
1,200.0	1,200.0	1,240.2	1,238.6	4.4	3.1	-93.43	-18.1	-302.8	305.2	297.9	7.27	41.984		
1,235.0	1,235.0	1,274.0	1,272.1	4.4	3.1	-93.89	-20.3	-299.1	301.4	294.1	7.31	41.236		
1,300.0	1,300.0	1,338.2	1,335.8	4.5	3.2	-94.78	-24.4	-292.2	294.8	287.4	7.39	39.906		
1,330.0	1,330.0	1,367.9	1,365.3	4.5	3.2	-95.19	-26.3	-289.0	291.7	284.3	7.42	39.304		
1,400.0	1,400.0	1,445.3	1,442.0	4.6	3.2	-96.27	-30.8	-280.1	284.1	276.6	7.49	37.920		
1,425.0	1,425.0	1,471.0	1,467.4	4.6	3.2	-96.59	-32.0	-276.6	280.8	273.3	7.52	37.344		
1,500.0	1,500.0	1,545.6	1,541.3	4.7	3.2	-97.56	-35.3	-266.3	271.0	263.4	7.61	35.603		
1,520.0	1,520.0	1,565.0	1,560.5	4.7	3.3	-9.39	-36.2	-263.6	268.3	260.7	7.66	35.038		
1,600.0	1,600.0	1,643.0	1,637.7	4.8	3.3	-10.49	-39.2	-253.2	256.5	248.7	7.85	32.694		
1,615.0	1,615.0	1,657.5	1,652.1	4.8	3.3	-10.71	-39.7	-251.3	254.1	246.2	7.89	32.192		
1,700.0	1,699.8	1,740.6	1,734.4	5.0	3.3	-12.09	-42.6	-240.5	239.2	231.0	8.16	29.304		
1,710.0	1,709.8	1,750.3	1,744.1	5.0	3.3	-12.27	-43.0	-239.3	237.3	229.1	8.20	28.956		
1,800.0	1,799.5	1,837.2	1,830.1	5.2	3.4	-14.18	-46.2	-228.3	219.1	210.7	8.49	25.808		
1,805.0	1,804.4	1,842.1	1,835.1	5.2	3.4	-14.30	-46.4	-227.7	218.1	209.6	8.51	25.631		
1,900.0	1,898.7	1,934.5	1,926.6	5.5	3.4	-16.97	-49.6	-216.2	196.2	187.4	8.83	22.234		
1,995.0	1,992.5	2,026.2	2,017.5	5.8	3.5	-20.65	-52.6	-204.4	171.6	162.4	9.14	18.763		
2,000.0	1,997.5	2,030.9	2,022.2	5.9	3.5	-20.88	-52.8	-203.8	170.2	161.0	9.16	18.581		
2,090.0	2,085.8	2,115.2	2,105.8	6.2	3.6	-25.84	-55.5	-193.3	145.2	135.8	9.45	15.361		
2,100.0	2,095.6	2,124.7	2,115.2	6.2	3.6	-26.52	-55.8	-192.1	142.4	132.9	9.48	15.016		
2,185.0	2,178.5	2,204.1	2,194.1	6.5	3.6	-33.80	-58.2	-182.7	118.3	108.6	9.71	12.179		
2,200.1	2,193.1	2,218.7	2,208.6	6.6	3.6	-35.54	-58.6	-180.9	114.0	104.3	9.74	11.709		
2,280.0	2,270.7	2,293.3	2,282.2	6.8	3.7	-47.81	-62.5	-170.4	93.1	83.3	9.78	9.521		
2,300.0	2,290.1	2,311.9	2,300.6	6.9	3.7	-51.87	-63.7	-167.5	88.7	79.0	9.76	9.089		
2,375.0	2,362.9	2,380.8	2,368.4	7.1	3.7	-70.19	-68.3	-156.3	77.4	67.7	9.67	8.007		
2,400.0	2,387.1	2,403.7	2,391.0	7.2	3.8	-77.09	-69.8	-152.5	75.9	66.3	9.65	7.867		
2,414.4	2,401.1	2,416.8	2,403.9	7.3	3.8	-81.13	-70.7	-150.3	75.7	66.0	9.66	7.837 CC, ES, SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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)	Minimum Separation (usft)	Separation Factor		
2,470.0	2,455.0	2,467.8	2,454.0	7.5	3.8	-96.38	-74.2	-141.9	79.0	69.2	9.82	8.047		
2,500.0	2,484.1	2,495.7	2,481.5	7.6	3.8	-103.89	-75.9	-137.5	83.1	73.2	9.99	8.326		
2,565.0	2,547.2	2,556.6	2,541.7	7.8	3.9	-117.44	-79.5	-128.4	96.1	85.7	10.45	9.203		
2,600.0	2,581.2	2,589.7	2,574.3	7.9	3.9	-123.20	-81.3	-123.9	104.7	94.0	10.71	9.776		
2,660.0	2,639.4	2,646.3	2,630.4	8.2	3.9	-130.75	-84.7	-117.1	120.8	109.7	11.12	10.862		
2,700.0	2,678.2	2,683.8	2,667.6	8.3	4.0	-134.54	-87.1	-113.1	132.3	120.9	11.37	11.630		
2,755.0	2,731.6	2,735.6	2,719.1	8.5	4.0	-138.81	-90.4	-107.5	148.8	137.1	11.71	12.707		
2,800.0	2,775.2	2,777.6	2,760.7	8.7	4.1	-141.62	-93.1	-103.1	162.6	150.7	11.96	13.595		
2,850.0	2,823.7	2,824.6	2,807.3	8.9	4.1	-144.30	-96.0	-98.0	178.4	166.2	12.24	14.574		
2,900.0	2,872.3	2,872.1	2,854.6	9.1	4.1	-146.59	-98.9	-93.0	194.4	181.9	12.52	15.526		
2,945.0	2,915.9	2,915.2	2,897.3	9.3	4.2	-148.39	-101.3	-88.5	208.8	196.1	12.77	16.349		
3,000.0	2,969.3	2,967.7	2,949.4	9.5	4.2	-150.31	-104.0	-83.2	226.4	213.4	13.07	17.319		
3,040.0	3,008.1	3,005.6	2,987.1	9.7	4.3	-151.52	-105.9	-79.4	239.3	226.0	13.29	18.007		
3,100.0	3,066.3	3,063.6	3,044.8	9.9	4.3	-153.14	-108.7	-73.8	258.6	245.0	13.62	18.984		
3,135.0	3,100.3	3,097.3	3,078.3	10.1	4.3	-153.99	-110.3	-70.6	269.7	255.9	13.81	19.527		
3,200.0	3,163.3	3,158.6	3,139.3	10.3	4.4	-155.37	-112.9	-65.0	290.4	276.3	14.15	20.519		
3,230.0	3,192.5	3,184.5	3,165.0	10.5	4.4	-155.89	-114.1	-62.6	300.1	285.8	14.29	21.000		
3,300.0	3,260.4	3,245.2	3,225.3	10.8	4.5	-156.95	-117.6	-56.0	323.9	309.3	14.61	22.170		
3,325.0	3,284.6	3,268.4	3,248.3	10.9	4.5	-157.31	-118.9	-53.4	332.5	317.8	14.74	22.564		
3,400.0	3,357.4	3,339.2	3,318.5	11.2	4.6	-158.34	-123.0	-45.5	358.5	343.3	15.13	23.689		
3,420.0	3,376.8	3,358.1	3,337.3	11.3	4.6	-158.59	-124.0	-43.4	365.4	350.1	15.24	23.977		
3,500.0	3,454.4	3,438.3	3,416.9	11.6	4.7	-159.61	-128.1	-34.8	392.6	376.9	15.70	25.006		
3,515.0	3,469.0	3,453.2	3,431.8	11.7	4.7	-159.79	-128.7	-33.3	397.6	381.8	15.79	25.185		
3,600.0	3,551.5	3,533.3	3,511.4	12.1	4.8	-160.69	-132.1	-25.6	425.7	409.4	16.24	26.213		
3,610.0	3,561.2	3,541.3	3,519.4	12.1	4.8	-160.76	-132.5	-24.8	429.0	412.7	16.28	26.350		
3,700.0	3,648.5	3,608.1	3,585.5	12.5	4.8	-161.26	-137.1	-17.0	461.1	444.5	16.61	27.768		
3,705.0	3,653.3	3,613.0	3,590.4	12.5	4.8	-161.29	-137.5	-16.3	463.0	446.4	16.64	27.832		
3,800.0	3,745.5	3,702.6	3,678.9	13.0	4.9	-161.80	-144.5	-4.9	498.3	481.1	17.14	29.068		
3,895.0	3,837.7	3,791.4	3,766.8	13.4	5.0	-162.28	-151.2	6.5	533.4	515.7	17.64	30.230		
3,900.0	3,842.5	3,796.1	3,771.4	13.4	5.0	-162.30	-151.5	7.1	535.2	517.5	17.67	30.289		
3,990.0	3,929.9	3,880.8	3,855.3	13.8	5.1	-162.73	-157.5	17.8	568.3	550.2	18.16	31.303		
4,000.0	3,939.6	3,890.2	3,864.5	13.9	5.1	-162.78	-158.1	19.0	572.0	553.8	18.21	31.412		
4,085.0	4,022.1	3,972.7	3,946.2	14.3	5.2	-163.21	-163.3	29.3	603.0	584.3	18.69	32.263		
4,100.0	4,036.6	3,986.9	3,960.2	14.3	5.2	-163.28	-164.1	31.1	608.4	589.6	18.77	32.411		
4,180.0	4,114.2	4,065.0	4,037.7	14.7	5.3	-163.69	-168.4	40.6	637.2	617.9	19.23	33.131		
4,200.0	4,133.6	4,083.8	4,056.3	14.8	5.3	-163.78	-169.4	42.8	644.3	624.9	19.34	33.312		
4,275.0	4,206.4	4,147.9	4,119.9	15.1	5.4	-164.06	-173.1	50.6	671.3	651.6	19.70	34.070		
4,300.0	4,230.7	4,170.1	4,141.8	15.2	5.4	-164.12	-174.7	53.2	680.4	660.6	19.83	34.315		
4,370.0	4,298.6	4,237.9	4,208.9	15.6	5.5	-164.29	-179.9	61.5	706.0	685.8	20.22	34.908		
4,400.0	4,327.7	4,268.2	4,239.0	15.7	5.5	-164.37	-182.1	65.0	716.8	696.4	20.40	35.132		
4,465.0	4,390.8	4,331.4	4,301.6	16.0	5.6	-164.53	-186.5	72.2	740.1	719.3	20.77	35.623		
4,500.0	4,424.7	4,366.9	4,336.8	16.2	5.6	-164.63	-188.8	76.2	752.5	731.5	20.99	35.857		
4,560.0	4,482.9	4,424.6	4,394.0	16.5	5.7	-164.77	-192.6	82.5	773.6	752.3	21.32	36.277		
4,600.0	4,521.8	4,463.1	4,432.2	16.6	5.7	-164.87	-195.0	86.7	787.6	766.1	21.55	36.546		
4,655.0	4,575.1	4,516.8	4,485.5	16.9	5.8	-165.01	-198.2	92.4	806.8	784.9	21.87	36.892		
4,700.0	4,618.8	4,567.6	4,536.0	17.1	5.8	-165.15	-201.1	97.6	822.2	800.1	22.18	37.077		
4,750.0	4,667.3	4,612.1	4,580.1	17.3	5.9	-165.27	-203.5	102.0	839.2	816.7	22.44	37.402		
4,800.0	4,715.8	4,661.1	4,628.8	17.6	5.9	-165.39	-206.1	106.8	856.1	833.4	22.73	37.669		
4,845.0	4,759.5	4,695.4	4,662.9	17.8	6.0	-165.48	-208.0	110.2	871.5	848.6	22.92	38.017		
4,900.0	4,812.8	4,737.8	4,704.9	18.0	6.0	-165.57	-210.7	114.9	890.9	867.8	23.17	38.458		
4,940.0	4,851.6	4,774.5	4,741.4	18.2	6.1	-165.64	-213.1	119.1	905.2	881.9	23.38	38.712		

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
5,000.0	4,909.9	4,831.9	4,798.3	18.5	6.1	-165.74	-216.8	125.8	926.7	903.0	23.73	39.057		
5,035.0	4,943.8	4,866.0	4,832.1	18.7	6.2	-165.81	-218.9	129.6	939.2	915.2	23.93	39.245		
5,100.0	5,006.9	4,930.0	4,895.5	19.0	6.2	-165.93	-222.8	136.8	962.1	937.8	24.31	39.569		
5,130.0	5,036.0	4,970.3	4,935.6	19.1	6.3	-166.01	-225.1	141.0	972.5	948.0	24.56	39.591		
5,200.0	5,103.9	5,046.1	5,011.0	19.5	6.4	-166.17	-228.7	148.0	995.8	970.8	25.02	39.795		
5,225.0	5,128.2	5,078.4	5,043.1	19.6	6.4	-166.25	-230.1	150.8	1,004.0	978.8	25.22	39.808		
5,300.0	5,201.0	5,154.1	5,118.5	19.9	6.5	-166.42	-233.1	156.9	1,028.0	1,002.3	25.68	40.034		
5,320.0	5,220.4	5,175.8	5,140.1	20.0	6.5	-166.47	-234.0	158.5	1,034.3	1,008.5	25.81	40.075		
5,404.0	5,301.9	5,266.0	5,230.0	20.4	6.6	-166.67	-237.4	164.9	1,060.4	1,034.0	26.35	40.235		
5,415.0	5,312.5	5,276.0	5,240.0	20.5	6.6	-166.70	-237.7	165.5	1,063.7	1,037.3	26.42	40.268		
5,500.0	5,395.4	5,361.5	5,325.2	20.9	6.7	-166.99	-240.6	171.3	1,088.3	1,061.4	26.94	40.402		
5,510.0	5,405.2	5,374.2	5,337.9	20.9	6.7	-167.02	-241.0	172.1	1,091.0	1,064.0	27.01	40.388		
5,600.0	5,493.5	5,519.1	5,482.8	21.4	6.9	-167.43	-242.2	176.0	1,109.5	1,081.7	27.86	39.828		
5,605.0	5,498.4	5,524.1	5,487.7	21.4	6.9	-167.44	-242.2	176.1	1,110.5	1,082.6	27.89	39.820		
5,700.0	5,592.3	5,615.7	5,579.3	21.8	7.0	-167.67	-242.6	177.5	1,126.5	1,098.1	28.41	39.647		
5,795.0	5,686.5	5,708.8	5,672.4	22.2	7.1	-167.84	-243.2	179.1	1,139.7	1,110.8	28.92	39.404		
5,800.0	5,691.5	5,713.9	5,677.6	22.3	7.1	-167.85	-243.3	179.1	1,140.3	1,111.4	28.95	39.386		
5,890.0	5,781.1	5,799.4	5,763.0	22.6	7.2	-167.96	-243.9	180.7	1,150.1	1,120.7	29.39	39.127		
5,900.0	5,791.1	5,814.1	5,777.7	22.7	7.2	-167.97	-244.0	181.0	1,151.0	1,121.5	29.47	39.058		
5,985.0	5,876.0	5,938.4	5,902.0	23.0	7.3	-168.04	-244.6	181.2	1,156.1	1,126.1	29.99	38.549		
6,000.0	5,890.9	5,953.2	5,916.8	23.0	7.3	-168.04	-244.7	181.0	1,156.4	1,126.3	30.04	38.498		
6,080.0	5,970.9	6,032.9	5,996.5	23.2	7.3	-168.02	-245.1	179.5	1,156.8	1,126.7	30.15	38.363		
6,104.1	5,995.0	6,059.1	6,022.6	23.2	7.3	103.57	-245.4	178.9	1,156.5	1,126.3	30.20	38.295		
6,175.0	6,065.9	6,121.4	6,084.9	23.2	7.3	103.63	-246.5	177.8	1,155.5	1,125.3	30.18	38.280		
6,200.0	6,090.9	6,146.6	6,110.2	23.2	7.3	103.66	-247.0	177.4	1,155.2	1,125.0	30.19	38.259		
6,270.0	6,160.9	6,214.8	6,178.3	23.3	7.3	103.74	-248.4	176.3	1,154.4	1,124.2	30.21	38.209		
6,300.0	6,190.9	6,244.6	6,208.1	23.3	7.4	103.78	-249.0	175.8	1,154.1	1,123.9	30.22	38.185		
6,365.0	6,255.9	6,308.3	6,271.8	23.3	7.4	103.81	-249.4	175.0	1,153.4	1,123.2	30.23	38.148		
6,400.0	6,290.9	6,344.3	6,307.8	23.3	7.3	103.79	-248.9	174.7	1,153.1	1,122.8	30.25	38.120		
6,460.0	6,350.9	6,415.5	6,378.9	23.3	7.3	103.77	-248.4	173.8	1,152.2	1,121.9	30.30	38.032		
6,500.0	6,390.9	6,468.1	6,431.6	23.3	7.3	103.80	-248.6	172.4	1,151.2	1,120.9	30.34	37.940		
6,555.0	6,445.9	6,536.3	6,499.7	23.4	7.3	103.87	-249.4	169.6	1,149.1	1,118.7	30.39	37.808		
6,600.0	6,490.9	6,589.5	6,552.9	23.4	7.3	103.94	-250.1	166.9	1,147.1	1,116.7	30.43	37.701		
6,650.0	6,540.9	6,630.9	6,594.1	23.4	7.3	104.00	-250.9	164.7	1,144.7	1,114.3	30.40	37.650		
6,700.0	6,590.9	6,659.6	6,622.8	23.4	7.3	104.03	-251.2	163.7	1,143.1	1,112.8	30.34	37.681		
6,745.0	6,635.9	6,694.6	6,657.9	23.4	7.3	104.06	-251.6	163.0	1,142.3	1,112.0	30.31	37.687		
6,800.0	6,690.9	6,750.5	6,713.7	23.4	7.4	104.10	-252.1	162.0	1,141.6	1,111.2	30.33	37.639		
6,840.0	6,730.9	6,801.6	6,764.8	23.5	7.4	104.13	-252.5	160.8	1,140.7	1,110.4	30.38	37.551		
6,900.0	6,790.9	6,864.0	6,827.2	23.5	7.4	104.16	-252.8	159.1	1,139.2	1,108.8	30.40	37.475		
6,935.0	6,825.9	6,902.1	6,865.2	23.5	7.4	104.19	-253.0	157.9	1,138.2	1,107.8	30.42	37.421		
7,000.0	6,890.9	6,968.1	6,931.2	23.5	7.4	104.22	-253.1	155.9	1,136.3	1,105.8	30.43	37.340		
7,030.0	6,920.9	6,996.9	6,960.0	23.5	7.4	104.22	-253.0	155.0	1,135.4	1,104.9	30.43	37.309		
7,100.0	6,990.9	7,067.9	7,031.0	23.5	7.4	104.24	-252.7	152.9	1,133.3	1,102.9	30.45	37.220		
7,125.0	7,015.9	7,086.4	7,049.5	23.6	7.4	104.24	-252.6	152.4	1,132.6	1,102.2	30.43	37.219		
7,183.9	7,074.8	7,117.4	7,080.4	23.6	7.4	104.22	-252.2	152.1	1,131.8	1,101.5	30.35	37.297		
7,200.0	7,090.9	7,125.0	7,088.1	23.6	7.4	104.22	-252.1	152.1	1,131.9	1,101.6	30.32	37.331		
7,220.0	7,110.9	7,139.5	7,102.5	23.6	7.4	104.21	-252.0	152.3	1,132.1	1,101.8	30.32	37.340		
7,300.0	7,190.9	7,213.5	7,176.6	23.6	7.4	104.20	-252.2	153.5	1,133.4	1,103.0	30.40	37.283		
7,315.0	7,205.9	7,228.5	7,191.5	23.6	7.5	104.21	-252.3	153.8	1,133.7	1,103.3	30.42	37.267		
7,400.0	7,290.9	7,318.5	7,281.5	23.6	7.6	104.26	-253.7	154.8	1,134.9	1,104.3	30.56	37.143		
7,410.0	7,300.9	7,328.4	7,291.4	23.6	7.6	104.27	-253.9	154.9	1,135.0	1,104.5	30.57	37.134		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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:		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,500.0	7,390.9	7,419.9	7,382.9	23.7	7.7	104.38	-256.2	155.5	1,136.2	1,105.5	30.67	37.043	
7,505.0	7,395.9	7,425.0	7,388.0	23.7	7.7	104.38	-256.4	155.5	1,136.2	1,105.6	30.68	37.039	
7,600.0	7,490.9	7,510.4	7,473.3	23.7	7.8	104.47	-258.2	156.3	1,137.6	1,106.9	30.74	37.004	
7,695.0	7,585.9	7,604.0	7,567.0	23.7	7.9	104.53	-260.1	158.0	1,139.8	1,108.9	30.86	36.929	
7,700.0	7,590.9	7,610.5	7,573.4	23.8	7.9	104.54	-260.3	158.1	1,139.9	1,109.0	30.88	36.917	
7,790.0	7,680.9	7,729.0	7,691.8	23.8	8.0	104.76	-264.8	158.2	1,141.0	1,109.9	31.09	36.694	
7,800.0	7,690.9	7,738.0	7,700.8	23.8	8.0	104.78	-265.2	158.1	1,140.9	1,109.8	31.10	36.690	
7,885.0	7,775.9	7,857.5	7,820.2	23.8	8.0	104.75	-264.0	155.6	1,138.8	1,107.5	31.28	36.406	
7,900.0	7,790.9	7,871.0	7,833.7	23.8	8.0	104.71	-263.0	155.4	1,138.3	1,107.0	31.29	36.385	
7,980.0	7,870.9	7,937.3	7,899.8	23.9	8.0	104.52	-258.9	154.6	1,136.1	1,104.9	31.28	36.318	
8,000.0	7,890.9	7,955.1	7,917.6	23.9	8.0	104.48	-258.1	154.4	1,135.8	1,104.5	31.29	36.301	
8,075.0	7,965.9	8,032.5	7,994.8	23.9	8.0	104.27	-253.7	153.9	1,134.2	1,102.8	31.35	36.175	
8,100.0	7,990.9	8,057.4	8,019.7	23.9	8.0	104.14	-251.0	154.0	1,133.7	1,102.3	31.38	36.132	
8,170.0	8,060.9	8,126.9	8,088.6	23.9	8.0	103.72	-242.5	154.7	1,132.2	1,100.8	31.44	36.012	
8,200.0	8,090.9	8,158.4	8,119.9	23.9	8.0	103.53	-238.9	154.9	1,131.6	1,100.2	31.48	35.952	
8,265.0	8,155.9	8,228.9	8,190.0	24.0	8.0	103.20	-232.0	154.9	1,130.2	1,098.6	31.56	35.811	
8,300.0	8,190.9	8,269.8	8,230.8	24.0	8.0	103.02	-228.5	154.6	1,129.2	1,097.6	31.61	35.718	
8,360.0	8,250.9	8,339.5	8,300.3	24.0	8.0	102.76	-222.9	153.3	1,127.0	1,095.3	31.70	35.551	
8,400.0	8,290.9	8,375.0	8,335.7	24.0	8.0	102.65	-220.5	152.5	1,125.5	1,093.8	31.71	35.496	
8,455.0	8,345.9	8,425.0	8,385.6	24.0	8.0	102.51	-217.5	151.5	1,123.7	1,092.0	31.72	35.422	
8,500.0	8,390.9	8,463.7	8,424.2	24.0	8.0	102.42	-215.5	150.8	1,122.5	1,090.7	31.73	35.379	
8,550.0	8,440.9	8,505.4	8,465.9	24.1	8.0	102.34	-213.7	150.3	1,121.4	1,089.7	31.73	35.346	
8,600.0	8,490.9	8,552.0	8,512.4	24.1	8.0	102.27	-212.2	149.9	1,120.7	1,088.9	31.75	35.300	
8,645.0	8,535.9	8,595.6	8,556.0	24.1	8.0	102.21	-211.1	149.6	1,120.1	1,088.3	31.77	35.254	
8,700.0	8,590.9	8,647.9	8,608.3	24.1	8.0	102.17	-210.1	149.1	1,119.4	1,087.6	31.79	35.209	
8,740.0	8,630.9	8,683.3	8,643.7	24.1	8.0	102.15	-209.7	148.9	1,119.0	1,087.2	31.80	35.193	
8,800.0	8,690.9	8,738.9	8,699.3	24.2	8.0	102.12	-209.1	148.8	1,118.8	1,087.0	31.82	35.158	
8,835.0	8,725.9	8,776.6	8,737.0	24.2	8.0	102.11	-208.8	148.7	1,118.7	1,086.8	31.86	35.114	
8,845.7	8,736.6	8,781.1	8,741.6	24.2	8.0	102.11	-208.8	148.7	1,118.7	1,086.8	31.84	35.132	
8,900.0	8,790.9	8,838.4	8,798.8	24.2	8.0	102.08	-208.4	149.2	1,119.0	1,087.1	31.91	35.067	
8,930.0	8,820.9	8,876.2	8,836.6	24.2	8.0	102.07	-208.1	149.0	1,118.9	1,086.9	31.96	35.004	
9,000.0	8,890.9	8,966.0	8,926.4	24.2	8.1	102.03	-207.0	147.6	1,117.6	1,085.6	32.05	34.870	
9,025.0	8,915.9	8,986.0	8,946.4	24.2	8.1	102.02	-206.7	147.3	1,117.1	1,085.0	32.06	34.843	
9,096.8	8,987.7	9,033.0	8,993.3	24.3	8.1	101.94	-205.0	147.0	1,116.2	1,084.1	32.04	34.836	
9,100.0	8,990.9	9,033.0	8,993.3	24.3	8.1	101.94	-205.0	147.0	1,116.2	1,084.1	32.03	34.843	
9,120.0	9,010.9	9,033.0	8,993.3	24.3	8.1	101.94	-205.0	147.0	1,116.4	1,084.4	32.00	34.888	
9,200.0	9,090.9	9,081.0	9,040.9	24.3	8.1	101.62	-199.3	149.3	1,118.6	1,086.6	31.99	34.964	
9,215.0	9,105.9	9,081.0	9,040.9	24.3	8.1	101.62	-199.3	149.3	1,119.5	1,087.5	31.97	35.011	
9,300.0	9,190.9	9,128.0	9,086.0	24.3	8.1	100.98	-187.8	155.7	1,126.7	1,094.7	31.99	35.216	
9,310.0	9,200.9	9,128.0	9,086.0	24.4	8.1	100.98	-187.8	155.7	1,127.7	1,095.7	31.99	35.256	
9,400.0	9,290.9	9,177.2	9,130.6	24.4	8.1	99.98	-169.5	165.3	1,139.6	1,107.5	32.04	35.566	
9,405.0	9,295.9	9,181.4	9,134.3	24.4	8.1	99.88	-167.7	166.2	1,140.3	1,108.3	32.05	35.581	
9,500.0	9,390.9	9,252.1	9,194.3	24.4	8.2	98.06	-133.7	181.3	1,155.4	1,123.3	32.16	35.924	
9,595.0	9,485.9	9,317.0	9,245.8	24.5	8.3	96.15	-97.1	196.1	1,173.8	1,141.5	32.28	36.358	
9,600.0	9,490.9	9,317.2	9,246.0	24.5	8.3	96.14	-96.9	196.2	1,174.8	1,142.5	32.29	36.387	
9,690.0	9,580.9	9,380.9	9,293.1	24.5	8.4	94.09	-56.7	210.8	1,195.4	1,163.0	32.42	36.873	
9,700.0	9,590.9	9,387.3	9,297.7	24.5	8.4	93.88	-52.5	212.3	1,197.9	1,165.4	32.43	36.932	
9,785.0	9,675.9	9,435.3	9,331.2	24.5	8.4	92.24	-19.9	223.3	1,220.6	1,188.1	32.56	37.487	
9,800.0	9,690.9	9,442.8	9,336.1	24.5	8.4	91.98	-14.7	225.0	1,225.0	1,192.4	32.58	37.594	
9,880.0	9,770.9	9,476.4	9,358.0	24.6	8.5	90.79	9.7	232.8	1,250.1	1,217.4	32.72	38.209	
9,900.0	9,790.9	9,483.7	9,362.6	24.6	8.5	90.52	15.1	234.5	1,256.9	1,224.1	32.75	38.375	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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+HFR1+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)	Factor	
9,975.0	9,865.9	9,506.0	9,376.2	24.6	8.6	89.71	32.0	239.8	1,284.3	1,251.4	32.90	39.039	
10,000.0	9,890.9	9,520.3	9,384.7	24.6	8.6	89.18	42.9	243.3	1,294.0	1,261.0	32.95	39.273	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						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	Warning	
0.0	0.0	6.8	6.8	3.0	3.0	-90.24	-1.5	-355.0	355.0					
95.0	95.0	104.9	104.9	3.0	3.0	-90.29	-1.8	-354.5	354.5	348.5	6.02	58.845		
100.0	100.0	109.9	109.9	3.0	3.0	-90.29	-1.8	-354.5	354.5	348.5	6.03	58.800		
190.0	190.0	200.6	200.6	3.1	3.0	-90.37	-2.3	-353.5	353.5	347.4	6.14	57.586		
200.0	200.0	210.6	210.6	3.2	3.0	-90.38	-2.3	-353.4	353.4	347.2	6.16	57.408		
285.0	285.0	295.4	295.3	3.3	3.0	-90.45	-2.8	-352.4	352.4	346.2	6.26	56.283		
300.0	300.0	310.2	310.2	3.3	3.0	-90.47	-2.9	-352.2	352.3	346.0	6.28	56.068		
380.0	380.0	387.3	387.2	3.4	3.0	-90.62	-3.8	-351.7	351.7	345.4	6.38	55.134		
389.9	389.9	396.5	396.5	3.4	3.0	-90.64	-3.9	-351.7	351.7	345.3	6.39	55.026		
400.0	400.0	406.3	406.3	3.4	3.0	-90.67	-4.1	-351.7	351.7	345.3	6.41	54.917		
475.0	475.0	480.8	480.8	3.5	3.0	-90.88	-5.4	-351.8	351.8	345.3	6.49	54.207		
500.0	500.0	504.2	504.2	3.5	3.0	-90.93	-5.7	-351.9	351.9	345.4	6.52	53.982		
570.0	570.0	570.9	570.8	3.6	3.0	-90.96	-5.9	-352.7	352.8	346.2	6.59	53.505		
600.0	600.0	599.1	599.1	3.6	3.0	-90.94	-5.8	-353.2	353.3	346.7	6.63	53.324		
665.0	665.0	662.4	662.3	3.7	3.0	-90.83	-5.2	-354.7	354.9	348.2	6.69	53.010		
700.0	700.0	697.4	697.3	3.8	3.0	-90.77	-4.8	-355.7	355.8	349.1	6.73	52.837		
760.0	760.0	760.9	760.8	3.8	3.1	-90.71	-4.4	-357.0	357.1	350.3	6.80	52.507		
800.0	800.0	802.5	802.4	3.9	3.1	-90.71	-4.4	-357.6	357.6	350.8	6.85	52.232		
855.0	855.0	857.9	857.7	4.0	3.1	-90.73	-4.5	-358.2	358.3	351.4	6.91	51.859		
900.0	900.0	903.7	903.6	4.0	3.1	-90.76	-4.8	-358.7	358.7	351.8	6.96	51.528		
950.0	950.0	954.7	954.6	4.1	3.1	-90.81	-5.1	-359.0	359.0	352.0	7.02	51.157		
1,000.0	1,000.0	1,005.1	1,005.0	4.1	3.1	-90.86	-5.4	-359.2	359.3	352.2	7.08	50.772		
1,045.0	1,045.0	1,052.3	1,052.1	4.2	3.1	-90.88	-5.5	-359.4	359.4	352.3	7.13	50.432		
1,100.0	1,100.0	1,112.1	1,112.0	4.3	3.1	-90.72	-4.5	-358.8	358.8	351.7	7.19	49.941		
1,140.0	1,140.0	1,152.7	1,152.5	4.3	3.1	-90.58	-3.6	-358.1	358.2	351.0	7.23	49.567		
1,200.0	1,200.0	1,213.4	1,213.2	4.4	3.1	-90.35	-2.2	-357.1	357.1	349.8	7.29	48.990		
1,235.0	1,235.0	1,248.6	1,248.5	4.4	3.1	-90.23	-1.4	-356.4	356.5	349.1	7.33	48.656		
1,300.0	1,300.0	1,315.2	1,315.0	4.5	3.1	-90.01	-0.1	-355.0	355.1	347.7	7.40	48.014		
1,330.0	1,330.0	1,346.2	1,346.0	4.5	3.1	-89.93	0.4	-354.2	354.3	346.9	7.43	47.711		
1,400.0	1,400.0	1,417.5	1,417.2	4.6	3.1	-89.75	1.5	-352.2	352.3	344.8	7.50	46.962		
1,425.0	1,425.0	1,442.4	1,442.1	4.6	3.2	-89.69	1.9	-351.4	351.6	344.1	7.53	46.693		
1,500.0	1,500.0	1,516.1	1,515.7	4.7	3.2	-89.23	4.7	-349.4	349.5	341.9	7.61	45.917		
1,520.0	1,520.0	1,536.0	1,535.6	4.7	3.2	-0.64	5.7	-348.8	348.9	341.3	7.66	45.581		
1,600.0	1,600.0	1,616.3	1,615.8	4.8	3.2	0.00	9.5	-346.7	345.2	337.4	7.83	44.075		
1,615.0	1,615.0	1,631.1	1,630.5	4.8	3.2	0.12	10.2	-346.3	344.2	336.4	7.88	43.699		
1,700.0	1,699.8	1,709.2	1,708.6	5.0	3.2	0.80	14.2	-344.6	337.9	329.8	8.14	41.515		
1,710.0	1,709.8	1,718.3	1,717.6	5.0	3.2	0.90	14.7	-344.5	337.1	329.0	8.17	41.262		
1,800.0	1,799.5	1,807.2	1,806.3	5.2	3.3	1.92	20.4	-344.1	329.0	320.6	8.46	38.895		
1,805.0	1,804.4	1,812.3	1,811.4	5.2	3.3	1.98	20.7	-344.1	328.5	320.0	8.48	38.755		
1,900.0	1,898.7	1,909.3	1,908.2	5.5	3.3	3.28	27.3	-343.1	316.4	307.6	8.80	35.952		
1,995.0	1,992.5	2,009.6	2,008.3	5.8	3.3	4.69	33.4	-340.6	299.8	290.7	9.14	32.806		
2,000.0	1,997.5	2,014.8	2,013.5	5.9	3.3	4.76	33.6	-340.4	298.8	289.7	9.16	32.631		
2,090.0	2,085.8	2,098.9	2,097.5	6.2	3.4	5.61	35.9	-337.7	279.4	269.9	9.50	29.404		
2,100.0	2,095.6	2,108.1	2,106.7	6.2	3.4	5.66	35.9	-337.6	277.2	267.6	9.54	29.051		
2,185.0	2,178.5	2,193.9	2,192.5	6.5	3.4	6.07	35.4	-336.1	256.9	247.0	9.88	26.002		
2,200.1	2,193.1	2,209.7	2,208.3	6.6	3.4	6.16	35.3	-335.6	252.9	242.9	9.94	25.440		
2,280.0	2,270.7	2,292.6	2,291.0	6.8	3.5	6.48	33.9	-331.8	230.0	219.7	10.21	22.531		
2,300.0	2,290.1	2,313.1	2,311.5	6.9	3.5	6.48	33.1	-330.7	223.9	213.7	10.27	21.799		
2,375.0	2,362.9	2,388.9	2,387.1	7.1	3.5	6.32	29.8	-325.2	200.3	189.8	10.53	19.023		
2,400.0	2,387.1	2,412.9	2,410.9	7.2	3.5	6.25	28.6	-323.2	192.2	181.5	10.62	18.094		
2,470.0	2,455.0	2,475.0	2,472.7	7.5	3.5	5.88	25.3	-318.4	169.7	158.8	10.91	15.555		

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)			
2,500.0	2,484.1	2,500.0	2,497.6	7.6	3.5	5.47	23.4	-317.2	160.9	149.9	11.05	14.564		
2,565.0	2,547.2	2,560.4	2,557.8	7.8	3.6	3.97	18.2	-315.6	142.9	131.6	11.32	12.620		
2,600.0	2,581.2	2,591.5	2,588.8	7.9	3.6	3.03	15.5	-315.2	133.8	122.4	11.48	11.656		
2,660.0	2,639.4	2,645.6	2,642.6	8.2	3.6	1.21	11.1	-316.3	120.1	108.4	11.75	10.221		
2,700.0	2,678.2	2,682.8	2,679.8	8.3	3.6	-0.08	8.5	-317.6	111.8	99.9	11.92	9.376		
2,755.0	2,731.6	2,733.5	2,730.3	8.5	3.6	-1.41	6.3	-320.9	101.9	89.7	12.16	8.377		
2,800.0	2,775.2	2,777.5	2,774.2	8.7	3.6	-2.36	5.0	-324.4	94.5	82.2	12.35	7.657		
2,850.0	2,823.7	2,826.8	2,823.3	8.9	3.6	-3.54	3.7	-328.4	86.4	73.9	12.55	6.884		
2,900.0	2,872.3	2,876.3	2,872.6	9.1	3.6	-5.00	2.3	-332.4	78.4	65.7	12.76	6.146		
2,945.0	2,915.9	2,920.6	2,916.8	9.3	3.6	-6.54	1.2	-335.9	71.1	58.2	12.94	5.497		
3,000.0	2,969.3	2,974.9	2,970.8	9.5	3.6	-8.91	-0.2	-340.2	62.3	49.2	13.16	4.738		
3,040.0	3,008.1	3,014.2	3,010.1	9.7	3.7	-11.14	-1.3	-343.3	56.1	42.8	13.30	4.215		
3,100.0	3,066.3	3,073.4	3,069.0	9.9	3.7	-15.65	-2.9	-348.0	46.8	33.3	13.48	3.469		
3,135.0	3,100.3	3,108.3	3,103.8	10.1	3.7	-19.35	-4.0	-350.6	41.4	27.9	13.54	3.060		
3,200.0	3,163.3	3,172.6	3,167.9	10.3	3.7	-33.43	-7.5	-353.7	31.4	18.2	13.28	2.367		
3,230.0	3,192.5	3,202.0	3,197.2	10.5	3.7	-44.07	-9.4	-354.6	27.7	14.8	12.87	2.150		
3,285.6	3,246.4	3,256.3	3,251.3	10.7	3.7	-73.39	-13.3	-354.9	24.1	12.5	11.55	2.084 CC, ES, SF		
3,300.0	3,260.4	3,270.1	3,265.2	10.8	3.8	-81.88	-14.4	-354.9	24.4	13.0	11.34	2.147		
3,325.0	3,284.6	3,294.3	3,289.2	10.9	3.8	-95.67	-16.2	-354.7	26.2	14.8	11.38	2.300		
3,400.0	3,357.4	3,366.7	3,361.5	11.2	3.8	-123.50	-21.6	-354.2	38.3	25.6	12.78	3.001		
3,420.0	3,376.8	3,386.1	3,380.8	11.3	3.8	-128.03	-23.0	-354.0	42.5	29.4	13.12	3.241		
3,500.0	3,454.4	3,463.9	3,458.5	11.6	3.9	-139.87	-28.2	-353.6	60.3	46.2	14.15	4.263		
3,515.0	3,469.0	3,478.5	3,473.0	11.7	3.9	-141.38	-29.1	-353.6	63.8	49.5	14.30	4.460		
3,600.0	3,551.5	3,561.1	3,555.5	12.1	3.9	-147.84	-33.6	-353.3	83.6	68.6	15.03	5.563		
3,610.0	3,561.2	3,570.8	3,565.2	12.1	3.9	-148.42	-34.1	-353.3	86.0	70.9	15.11	5.693		
3,700.0	3,648.5	3,657.7	3,651.9	12.5	4.0	-152.50	-38.6	-352.9	107.7	92.0	15.72	6.852		
3,705.0	3,653.3	3,662.5	3,656.7	12.5	4.0	-152.67	-38.8	-352.9	108.9	93.2	15.75	6.916		
3,800.0	3,745.5	3,752.0	3,746.1	13.0	4.0	-154.91	-44.9	-352.0	133.4	117.1	16.26	8.202		
3,895.0	3,837.7	3,843.3	3,837.1	13.4	4.1	-156.11	-52.4	-350.8	158.7	141.9	16.76	9.466		
3,900.0	3,842.5	3,848.2	3,841.9	13.4	4.1	-156.16	-52.7	-350.8	160.0	143.2	16.79	9.531		
3,990.0	3,929.9	3,934.8	3,928.3	13.8	4.1	-156.96	-59.9	-349.7	184.1	166.8	17.26	10.668		
4,000.0	3,939.6	3,944.4	3,937.8	13.9	4.2	-157.04	-60.7	-349.5	186.8	169.4	17.31	10.791		
4,085.0	4,022.1	4,026.3	4,019.4	14.3	4.2	-157.65	-67.2	-348.4	209.5	191.7	17.75	11.805		
4,100.0	4,036.6	4,040.7	4,033.8	14.3	4.2	-157.75	-68.4	-348.2	213.5	195.7	17.82	11.979		
4,180.0	4,114.2	4,117.7	4,110.6	14.7	4.3	-158.25	-74.4	-347.2	234.9	216.6	18.24	12.879		
4,200.0	4,133.6	4,136.9	4,129.7	14.8	4.3	-158.35	-75.9	-346.9	240.2	221.9	18.34	13.101		
4,275.0	4,206.4	4,208.0	4,200.5	15.1	4.3	-158.56	-82.2	-345.9	260.6	241.9	18.70	13.933		
4,300.0	4,230.7	4,232.2	4,224.6	15.2	4.4	-158.55	-84.7	-345.6	267.4	248.6	18.83	14.203		
4,370.0	4,298.6	4,299.6	4,291.6	15.6	4.4	-158.50	-91.6	-345.1	286.4	267.2	19.17	14.940		
4,400.0	4,327.7	4,329.0	4,320.9	15.7	4.4	-158.50	-94.5	-344.9	294.5	275.2	19.32	15.242		
4,465.0	4,390.8	4,391.3	4,382.8	16.0	4.5	-158.49	-100.8	-344.3	312.1	292.5	19.64	15.892		
4,500.0	4,424.7	4,425.2	4,416.5	16.2	4.5	-158.49	-104.2	-344.0	321.6	301.8	19.82	16.230		
4,560.0	4,482.9	4,485.5	4,476.5	16.5	4.6	-158.45	-110.3	-343.7	337.7	317.6	20.14	16.772		
4,600.0	4,521.8	4,526.2	4,517.0	16.6	4.6	-158.33	-114.9	-344.1	348.1	327.7	20.35	17.107		
4,655.0	4,575.1	4,580.3	4,570.8	16.9	4.6	-158.15	-120.9	-344.7	362.2	341.6	20.62	17.565		
4,700.0	4,618.8	4,624.0	4,614.2	17.1	4.7	-158.03	-125.8	-345.4	373.6	352.8	20.84	17.928		
4,750.0	4,667.3	4,673.6	4,663.5	17.3	4.7	-157.96	-130.9	-346.1	386.2	365.1	21.10	18.308		
4,800.0	4,715.8	4,721.5	4,711.2	17.6	4.8	-157.91	-135.7	-346.7	398.8	377.5	21.34	18.689		
4,845.0	4,759.5	4,764.6	4,754.0	17.8	4.8	-157.87	-140.0	-347.2	410.2	388.6	21.56	19.028		
4,900.0	4,812.8	4,816.9	4,806.0	18.0	4.9	-157.83	-145.3	-347.7	424.2	402.4	21.83	19.437		
4,940.0	4,851.6	4,856.7	4,845.7	18.2	4.9	-157.82	-149.2	-348.0	434.4	412.4	22.04	19.713		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,909.9	4,914.9	4,903.6	18.5	4.9	-157.81	-154.8	-348.6	449.6	427.3	22.34	20.124	
5,035.0	4,943.8	4,948.7	4,937.3	18.7	5.0	-157.82	-157.9	-348.9	458.4	435.9	22.52	20.358	
5,100.0	5,006.9	5,010.6	4,998.9	19.0	5.0	-157.87	-163.5	-349.3	474.9	452.1	22.85	20.790	
5,130.0	5,036.0	5,039.7	5,027.9	19.1	5.1	-157.90	-166.0	-349.4	482.6	459.6	23.00	20.981	
5,200.0	5,103.9	5,107.8	5,095.7	19.5	5.1	-157.98	-171.9	-349.6	500.4	477.1	23.37	21.416	
5,225.0	5,128.2	5,132.1	5,119.9	19.6	5.1	-158.02	-173.9	-349.7	506.8	483.3	23.50	21.566	
5,300.0	5,201.0	5,204.7	5,192.3	19.9	5.2	-158.15	-179.8	-349.9	525.8	501.9	23.89	22.006	
5,320.0	5,220.4	5,226.3	5,213.8	20.0	5.2	-158.20	-181.4	-349.9	530.8	506.8	24.02	22.103	
5,404.0	5,301.9	5,308.8	5,296.2	20.4	5.3	-158.40	-187.2	-350.4	551.6	527.1	24.47	22.539	
5,415.0	5,312.5	5,319.2	5,306.5	20.5	5.3	-158.45	-187.9	-350.4	554.3	529.8	24.53	22.597	
5,500.0	5,395.4	5,403.0	5,390.1	20.9	5.4	-158.75	-193.6	-350.8	573.9	548.9	25.00	22.957	
5,510.0	5,405.2	5,412.6	5,399.7	20.9	5.4	-158.78	-194.2	-350.8	576.0	550.9	25.05	22.995	
5,600.0	5,493.5	5,500.9	5,487.9	21.4	5.5	-158.99	-199.7	-351.2	593.8	568.3	25.52	23.270	
5,605.0	5,498.4	5,505.9	5,492.8	21.4	5.5	-159.00	-200.0	-351.2	594.7	569.2	25.54	23.283	
5,700.0	5,592.3	5,600.1	5,586.9	21.8	5.6	-159.11	-205.7	-351.5	610.6	584.5	26.02	23.464	
5,795.0	5,686.5	5,694.3	5,680.9	22.2	5.7	-159.14	-210.8	-351.6	623.4	596.9	26.47	23.552	
5,800.0	5,691.5	5,699.3	5,685.9	22.3	5.7	-159.14	-211.1	-351.6	624.0	597.5	26.49	23.553	
5,890.0	5,781.1	5,789.9	5,776.4	22.6	5.8	-159.06	-216.0	-351.8	633.3	606.4	26.89	23.549	
5,900.0	5,791.1	5,800.0	5,786.5	22.7	5.8	-159.04	-216.5	-351.8	634.2	607.2	26.94	23.542	
5,985.0	5,876.0	5,892.2	5,885.5	23.0	5.9	-158.91	-220.1	-353.1	638.8	611.4	27.36	23.346	
6,000.0	5,890.9	5,914.9	5,901.3	23.0	5.9	-158.89	-220.5	-353.3	639.2	611.8	27.42	23.311	
6,080.0	5,970.9	5,993.9	5,980.2	23.2	6.0	-158.72	-222.8	-354.7	640.5	612.9	27.58	23.228	
6,104.1	5,995.0	6,018.6	6,004.9	23.2	6.0	112.91	-223.5	-355.1	640.5	612.9	27.63	23.184	
6,175.0	6,065.9	6,089.5	6,075.8	23.2	6.1	113.13	-225.6	-356.4	640.1	612.4	27.67	23.137	
6,200.0	6,090.9	6,113.0	6,099.2	23.2	6.1	113.20	-226.3	-356.8	640.0	612.3	27.67	23.131	
6,270.0	6,160.9	6,185.1	6,171.3	23.3	6.2	113.42	-228.4	-358.1	639.7	612.0	27.72	23.074	
6,300.0	6,190.9	6,214.5	6,200.7	23.3	6.2	113.51	-229.3	-358.6	639.5	611.8	27.74	23.057	
6,365.0	6,255.9	6,279.7	6,265.8	23.3	6.3	113.71	-231.2	-359.8	639.2	611.4	27.78	23.013	
6,400.0	6,290.9	6,315.0	6,301.2	23.3	6.3	113.82	-232.1	-360.5	639.0	611.2	27.80	22.987	
6,460.0	6,350.9	6,380.9	6,367.0	23.3	6.3	113.95	-233.3	-361.7	638.4	610.5	27.87	22.910	
6,500.0	6,390.9	6,425.4	6,411.5	23.3	6.3	113.96	-233.0	-362.5	637.7	609.8	27.92	22.841	
6,555.0	6,445.9	6,479.6	6,465.7	23.4	6.4	113.92	-232.1	-363.4	636.4	608.5	27.95	22.770	
6,600.0	6,490.9	6,521.8	6,507.9	23.4	6.4	113.89	-231.5	-364.0	635.6	607.6	27.96	22.730	
6,650.0	6,540.9	6,570.0	6,556.1	23.4	6.4	113.87	-231.1	-364.6	634.9	606.9	27.99	22.682	
6,700.0	6,590.9	6,618.9	6,605.0	23.4	6.4	113.88	-230.8	-365.2	634.2	606.2	28.02	22.633	
6,745.0	6,635.9	6,663.3	6,649.4	23.4	6.4	113.89	-230.7	-365.7	633.7	605.6	28.06	22.583	
6,800.0	6,690.9	6,717.8	6,703.8	23.4	6.5	113.87	-230.3	-366.1	633.1	605.0	28.11	22.520	
6,840.0	6,730.9	6,758.6	6,744.7	23.5	6.5	113.82	-229.7	-366.3	632.7	604.5	28.17	22.459	
6,900.0	6,790.9	6,820.4	6,806.4	23.5	6.5	113.66	-227.8	-366.3	632.0	603.7	28.27	22.355	
6,935.0	6,825.9	6,858.2	6,844.2	23.5	6.6	113.54	-226.2	-366.3	631.4	603.0	28.35	22.272	
7,000.0	6,890.9	6,927.7	6,913.6	23.5	6.6	113.32	-223.4	-366.8	629.9	601.4	28.49	22.109	
7,030.0	6,920.9	6,958.3	6,944.2	23.5	6.7	113.24	-222.3	-367.2	629.1	600.6	28.55	22.036	
7,100.0	6,990.9	7,029.6	7,015.4	23.5	6.8	113.07	-219.8	-368.3	627.2	598.5	28.69	21.863	
7,125.0	7,015.9	7,055.0	7,040.8	23.6	6.8	113.02	-219.0	-368.7	626.5	597.7	28.74	21.798	
7,200.0	7,090.9	7,129.5	7,115.3	23.6	6.9	112.85	-216.5	-370.0	624.2	595.4	28.89	21.609	
7,220.0	7,110.9	7,148.7	7,134.5	23.6	6.9	112.82	-215.9	-370.4	623.7	594.8	28.92	21.563	
7,300.0	7,190.9	7,225.2	7,210.9	23.6	7.0	112.76	-214.6	-371.8	621.7	592.7	29.06	21.393	
7,315.0	7,205.9	7,239.5	7,225.2	23.6	7.1	112.75	-214.4	-372.1	621.4	592.3	29.09	21.363	
7,400.0	7,290.9	7,321.3	7,307.1	23.6	7.2	112.80	-214.3	-373.6	619.9	590.7	29.24	21.201	
7,410.0	7,300.9	7,331.2	7,316.9	23.6	7.2	112.81	-214.3	-373.8	619.8	590.5	29.26	21.181	
7,500.0	7,390.9	7,418.6	7,404.3	23.7	7.3	112.90	-214.8	-375.3	618.6	589.1	29.43	21.015	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
7,505.0	7,395.9	7,423.3	7,409.0	23.7	7.4	112.91	-214.8	-375.4	618.5	589.1	29.44	21.007	
7,600.0	7,490.9	7,512.1	7,497.9	23.7	7.5	112.99	-215.5	-376.2	617.9	588.3	29.61	20.869	
7,603.8	7,494.7	7,515.6	7,501.3	23.7	7.5	113.00	-215.5	-376.3	617.9	588.3	29.61	20.865	
7,695.0	7,585.9	7,599.3	7,585.0	23.7	7.7	113.10	-216.8	-376.2	618.5	588.7	29.76	20.779	
7,700.0	7,590.9	7,604.0	7,589.7	23.8	7.7	113.10	-216.8	-376.1	618.6	588.8	29.77	20.775	
7,790.0	7,680.9	7,690.0	7,675.7	23.8	7.9	113.19	-218.3	-375.2	620.1	590.1	29.96	20.699	
7,800.0	7,690.9	7,700.2	7,685.9	23.8	7.9	113.20	-218.5	-375.1	620.3	590.3	29.98	20.687	
7,885.0	7,775.9	7,782.0	7,767.7	23.8	8.0	113.31	-220.1	-374.1	621.8	591.7	30.17	20.614	
7,900.0	7,790.9	7,794.0	7,779.7	23.8	8.1	113.33	-220.4	-373.9	622.2	592.1	30.18	20.618	
7,980.0	7,870.9	7,861.0	7,846.6	23.9	8.2	113.52	-223.5	-372.1	625.6	595.3	30.27	20.665	
8,000.0	7,890.9	7,876.3	7,861.8	23.9	8.2	113.58	-224.4	-371.6	626.7	596.4	30.28	20.694	
8,075.0	7,965.9	7,948.7	7,934.0	23.9	8.4	113.89	-229.3	-369.1	631.1	600.7	30.44	20.733	
8,100.0	7,990.9	7,988.0	7,973.2	23.9	8.5	114.08	-232.0	-368.1	632.4	601.8	30.61	20.662	
8,170.0	8,060.9	8,099.0	8,084.1	23.9	8.7	114.47	-236.1	-369.5	632.6	601.5	31.10	20.341	
8,200.0	8,090.9	8,142.9	8,128.0	23.9	8.8	114.54	-236.1	-371.3	631.5	600.2	31.30	20.179	
8,265.0	8,155.9	8,201.7	8,186.7	24.0	9.0	114.50	-234.7	-373.4	628.7	597.2	31.44	19.992	
8,300.0	8,190.9	8,233.2	8,218.1	24.0	9.1	114.41	-233.3	-374.0	627.4	595.9	31.53	19.899	
8,360.0	8,250.9	8,284.7	8,269.6	24.0	9.2	114.20	-230.6	-374.3	625.8	594.2	31.66	19.765	
8,400.0	8,290.9	8,318.9	8,303.8	24.0	9.3	114.04	-228.8	-374.1	625.2	593.5	31.75	19.691	
8,455.0	8,345.9	8,369.0	8,353.8	24.0	9.4	113.81	-226.4	-373.3	625.0	593.0	31.90	19.589	
8,474.5	8,365.4	8,387.3	8,372.0	24.0	9.5	113.73	-225.6	-373.0	624.9	593.0	31.96	19.553	
8,500.0	8,390.9	8,411.1	8,395.9	24.0	9.5	113.63	-224.7	-372.5	625.0	592.9	32.04	19.508	
8,550.0	8,440.9	8,458.3	8,443.0	24.1	9.6	113.47	-223.2	-371.6	625.2	593.0	32.18	19.427	
8,600.0	8,490.9	8,505.6	8,490.3	24.1	9.8	113.39	-222.5	-370.8	625.7	593.4	32.32	19.356	
8,645.0	8,535.9	8,550.1	8,534.8	24.1	9.9	113.36	-222.4	-370.2	626.3	593.8	32.46	19.290	
8,700.0	8,590.9	8,606.2	8,590.9	24.1	10.0	113.35	-222.5	-369.5	626.9	594.2	32.65	19.200	
8,740.0	8,630.9	8,645.5	8,630.1	24.1	10.1	113.34	-222.6	-369.1	627.3	594.5	32.77	19.142	
8,800.0	8,690.9	8,703.3	8,688.0	24.2	10.3	113.34	-223.0	-368.4	628.1	595.2	32.95	19.064	
8,835.0	8,725.9	8,738.8	8,723.4	24.2	10.4	113.35	-223.3	-368.0	628.7	595.6	33.06	19.013	
8,900.0	8,790.9	8,806.0	8,790.6	24.2	10.6	113.38	-223.9	-367.3	629.5	596.2	33.29	18.908	
8,930.0	8,820.9	8,836.6	8,821.3	24.2	10.7	113.40	-224.2	-367.1	629.8	596.4	33.39	18.859	
9,000.0	8,890.9	8,907.8	8,892.5	24.2	10.9	113.46	-225.1	-366.8	630.4	596.8	33.63	18.745	
9,025.0	8,915.9	8,933.6	8,918.2	24.2	10.9	113.49	-225.4	-366.7	630.6	596.9	33.72	18.702	
9,100.0	8,990.9	9,014.5	8,999.2	24.3	11.2	113.56	-226.3	-366.8	630.9	596.9	34.01	18.547	
9,120.0	9,010.9	9,042.1	9,026.8	24.3	11.2	113.49	-225.5	-366.6	630.7	596.6	34.15	18.470	
9,200.0	9,090.9	9,215.0	9,192.1	24.3	11.8	109.46	-179.0	-365.0	622.4	586.9	35.48	17.543	
9,215.0	9,105.9	9,230.7	9,206.5	24.3	11.8	108.91	-172.8	-365.2	620.1	584.5	35.57	17.434	
9,300.0	9,190.9	9,309.1	9,277.5	24.3	12.0	105.93	-139.6	-365.5	608.0	572.0	35.96	16.909	
9,310.0	9,200.9	9,318.2	9,285.5	24.4	12.0	105.53	-135.3	-365.4	606.7	570.7	36.00	16.852	
9,400.0	9,290.9	9,403.8	9,357.9	24.4	12.3	101.23	-89.6	-363.3	596.1	559.7	36.40	16.377	
9,405.0	9,295.9	9,408.3	9,361.6	24.4	12.3	100.98	-87.0	-363.2	595.6	559.2	36.42	16.356	
9,500.0	9,390.9	9,502.8	9,436.3	24.4	12.5	95.39	-29.2	-361.4	587.5	550.8	36.76	15.981	
9,581.0	9,471.9	9,563.5	9,478.5	24.5	12.7	91.14	14.3	-360.5	584.7	547.9	36.77	15.902	
9,595.0	9,485.9	9,572.3	9,484.1	24.5	12.7	90.47	21.0	-360.4	584.8	548.0	36.74	15.914	
9,600.0	9,490.9	9,575.3	9,485.9	24.5	12.7	90.24	23.4	-360.3	584.9	548.1	36.74	15.921	
9,690.0	9,580.9	9,625.4	9,514.5	24.5	12.8	86.22	64.6	-359.6	591.2	554.7	36.50	16.198	
9,700.0	9,590.9	9,630.4	9,517.0	24.5	12.8	85.80	68.8	-359.6	592.5	556.1	36.47	16.248	
9,785.0	9,675.9	9,673.8	9,537.2	24.5	12.9	82.09	107.2	-359.7	608.6	572.4	36.18	16.821	
9,800.0	9,690.9	9,681.7	9,540.7	24.5	12.9	81.40	114.3	-359.9	612.3	576.1	36.13	16.947	
9,880.0	9,770.9	9,722.1	9,557.8	24.6	12.9	77.92	150.9	-361.0	636.4	600.5	35.87	17.741	
9,900.0	9,790.9	9,731.7	9,561.9	24.6	13.0	77.09	159.6	-361.4	643.5	607.7	35.81	17.969	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
9,975.0	9,865.9	9,760.3	9,573.3	24.6	13.0	74.64	185.8	-362.8	673.9	638.2	35.64	18.908	
10,000.0	9,890.9	9,768.2	9,576.3	24.6	13.0	73.97	193.1	-363.2	685.3	649.7	35.60	19.250	
10,070.0	9,960.9	9,789.0	9,583.8	24.6	13.0	72.18	212.4	-364.6	720.4	685.1	35.32	20.396	
10,079.1	9,970.0	9,789.0	9,583.8	24.6	13.0	72.18	212.4	-364.6	725.3	690.0	35.29	20.551	
10,100.0	9,990.9	9,789.0	9,583.8	24.7	13.0	71.00	212.4	-364.6	736.7	701.4	35.29	20.874	
10,150.0	10,040.7	9,789.0	9,583.8	24.7	13.0	67.82	212.4	-364.6	764.8	729.5	35.34	21.641	
10,165.0	10,055.6	9,789.0	9,583.8	24.7	13.0	66.84	212.4	-364.6	773.5	738.1	35.37	21.870	
10,200.0	10,090.0	9,809.5	9,590.4	24.7	13.1	63.12	231.7	-365.9	793.1	757.7	35.40	22.406	
10,250.0	10,138.4	9,818.6	9,593.0	24.7	13.1	59.42	240.5	-366.5	821.8	786.3	35.52	23.138	
10,260.0	10,147.9	9,820.5	9,593.5	24.7	13.1	58.70	242.4	-366.6	827.6	792.0	35.55	23.281	
10,300.0	10,185.5	9,836.0	9,597.2	24.7	13.1	55.44	257.3	-367.5	850.6	814.9	35.66	23.852	
10,350.0	10,230.9	9,836.0	9,597.2	24.7	13.1	52.68	257.3	-367.5	878.8	842.9	35.86	24.507	
10,355.0	10,235.4	9,836.0	9,597.2	24.7	13.1	52.41	257.3	-367.5	881.6	845.7	35.88	24.571	
10,400.0	10,274.4	9,836.0	9,597.2	24.7	13.1	50.04	257.3	-367.5	906.7	870.7	36.06	25.142	
10,450.0	10,315.6	9,858.3	9,601.4	24.7	13.2	46.72	279.3	-368.5	933.3	897.1	36.26	25.743	
10,500.0	10,354.1	9,883.0	9,604.4	24.7	13.2	43.72	303.7	-369.3	959.6	923.1	36.46	26.321	
10,545.0	10,386.3	9,883.0	9,604.4	24.7	13.2	42.01	303.7	-369.3	981.5	944.8	36.65	26.783	
10,550.0	10,389.7	9,883.0	9,604.4	24.7	13.2	41.83	303.7	-369.3	983.9	947.2	36.67	26.833	
10,600.0	10,422.1	9,900.0	9,605.7	24.8	13.3	39.69	320.6	-369.7	1,007.1	970.2	36.87	27.316	
10,640.0	10,445.5	9,920.5	9,607.1	24.8	13.3	38.05	341.1	-370.2	1,024.2	987.2	37.03	27.660	
10,650.0	10,451.0	9,931.0	9,607.6	24.8	13.4	37.57	351.6	-370.4	1,028.3	991.2	37.07	27.738	
10,700.0	10,476.3	9,967.6	9,609.5	24.8	13.5	35.75	388.1	-371.2	1,047.0	1,009.7	37.29	28.079	
10,735.0	10,491.8	10,000.6	9,611.1	24.8	13.6	34.60	421.1	-372.0	1,058.2	1,020.8	37.45	28.259	
10,750.0	10,497.8	10,015.0	9,611.8	24.8	13.6	34.16	435.5	-372.4	1,062.5	1,025.0	37.51	28.323	
10,800.0	10,515.2	10,051.7	9,613.5	24.9	13.8	33.07	472.1	-373.4	1,074.8	1,037.0	37.74	28.482	
10,830.0	10,523.7	10,071.9	9,614.2	24.9	13.8	32.58	492.3	-373.8	1,080.8	1,042.9	37.87	28.542	
10,850.0	10,528.5	10,085.5	9,614.7	24.9	13.9	32.30	505.9	-374.0	1,084.2	1,046.2	37.95	28.568	
10,900.0	10,537.5	10,121.0	9,615.5	25.0	14.0	31.78	541.4	-374.4	1,090.7	1,052.5	38.17	28.578	
10,925.0	10,540.4	10,142.0	9,615.8	25.0	14.1	31.61	562.4	-374.5	1,092.7	1,054.5	38.28	28.545	
10,950.0	10,542.3	10,164.7	9,616.1	25.0	14.2	31.50	585.1	-374.8	1,093.9	1,055.5	38.40	28.487	
10,976.7	10,543.0	10,189.1	9,616.2	25.1	14.3	31.45	609.4	-375.2	1,094.2	1,055.7	38.51	28.414	
11,000.0	10,543.1	10,210.2	9,616.2	25.1	14.4	31.43	630.6	-375.7	1,094.1	1,055.5	38.61	28.341	
11,020.0	10,543.2	10,240.7	9,616.1	25.1	14.5	31.39	661.0	-376.6	1,093.9	1,055.2	38.73	28.247	
11,100.0	10,543.5	10,342.1	9,617.6	25.3	14.9	31.21	762.3	-381.5	1,091.1	1,051.9	39.18	27.852	
11,115.0	10,543.6	10,352.7	9,617.8	25.3	15.0	31.19	773.0	-381.9	1,090.6	1,051.4	39.25	27.789	
11,200.0	10,543.9	10,416.1	9,618.7	25.5	15.3	31.15	836.3	-383.4	1,089.0	1,049.3	39.65	27.464	
11,210.0	10,544.0	10,426.2	9,618.8	25.5	15.3	31.15	846.4	-383.5	1,088.9	1,049.1	39.71	27.420	
11,300.0	10,544.4	10,513.9	9,620.1	25.7	15.8	31.16	934.1	-383.9	1,087.9	1,047.6	40.23	27.038	
11,305.0	10,544.4	10,517.9	9,620.2	25.7	15.8	31.16	938.1	-383.9	1,087.8	1,047.6	40.26	27.018	
11,345.8	10,544.5	10,550.3	9,620.5	25.8	16.0	31.17	970.4	-383.9	1,087.7	1,047.2	40.49	26.860	
11,400.0	10,544.8	10,597.0	9,620.7	25.9	16.2	31.19	1,017.2	-383.5	1,088.0	1,047.1	40.81	26.656	
11,495.0	10,545.2	10,699.3	9,623.7	26.1	16.8	31.51	1,119.3	-378.2	1,088.6	1,047.1	41.48	26.240	
11,500.0	10,545.2	10,706.6	9,624.2	26.1	16.8	31.55	1,126.5	-377.6	1,088.6	1,047.0	41.53	26.213	
11,590.0	10,545.6	10,808.7	9,632.7	26.4	17.4	32.25	1,227.7	-367.3	1,087.3	1,045.0	42.22	25.751	
11,600.0	10,545.6	10,815.2	9,633.3	26.4	17.5	32.29	1,234.2	-366.7	1,087.2	1,044.9	42.28	25.711	
11,627.1	10,545.7	10,832.9	9,634.4	26.5	17.6	32.39	1,251.7	-365.1	1,087.0	1,044.6	42.45	25.605	
11,685.0	10,546.0	10,881.0	9,636.2	26.6	17.8	32.59	1,299.7	-361.7	1,087.6	1,044.8	42.86	25.375	
11,700.0	10,546.0	10,881.0	9,636.2	26.7	17.8	32.59	1,299.7	-361.7	1,087.9	1,045.0	42.91	25.350	
11,780.0	10,546.4	10,940.1	9,636.3	26.9	18.2	32.74	1,358.7	-358.4	1,090.5	1,047.0	43.46	25.090	
11,800.0	10,546.5	10,954.9	9,636.2	27.0	18.3	32.77	1,373.5	-357.6	1,091.4	1,047.8	43.60	25.032	
11,875.0	10,546.8	11,100.5	9,636.2	27.2	19.2	32.86	1,519.0	-355.4	1,092.1	1,047.6	44.58	24.499	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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)	Minimum Separation (usft)	Separation Factor		
11,900.0	10,546.9	11,120.5	9,636.4	27.3	19.4	32.85	1,539.0	-355.8	1,091.8	1,047.0	44.78	24.381		
11,970.0	10,547.2	11,184.0	9,636.1	27.6	19.8	32.75	1,602.5	-357.7	1,091.2	1,045.9	45.39	24.042		
12,000.0	10,547.3	11,225.2	9,635.7	27.7	20.0	32.66	1,643.6	-359.6	1,090.9	1,045.2	45.72	23.862		
12,065.0	10,547.6	11,296.5	9,635.4	27.9	20.5	32.47	1,714.8	-363.7	1,089.4	1,043.0	46.36	23.496		
12,100.0	10,547.7	11,328.5	9,635.4	28.0	20.7	32.39	1,746.7	-365.3	1,088.6	1,041.9	46.68	23.318		
12,160.0	10,548.0	11,382.6	9,635.4	28.2	21.1	32.29	1,800.7	-367.6	1,087.5	1,040.3	47.25	23.018		
12,200.0	10,548.1	11,418.0	9,635.3	28.4	21.4	32.23	1,836.2	-368.9	1,087.0	1,039.4	47.62	22.827		
12,255.0	10,548.4	11,473.0	9,635.0	28.6	21.7	32.14	1,891.2	-370.6	1,086.5	1,038.4	48.18	22.553		
12,300.0	10,548.5	11,527.5	9,634.8	28.8	22.1	32.03	1,945.6	-373.0	1,085.9	1,037.2	48.68	22.306		
12,350.0	10,548.8	11,596.1	9,635.1	29.0	22.6	31.87	2,014.1	-376.6	1,084.5	1,035.2	49.29	22.005		
12,400.0	10,549.0	11,654.0	9,636.8	29.2	23.0	31.80	2,071.9	-379.2	1,082.3	1,032.5	49.84	21.714		
12,445.0	10,549.2	11,687.7	9,637.8	29.4	23.3	31.78	2,105.6	-380.2	1,080.6	1,030.3	50.28	21.492		
12,500.0	10,549.4	11,733.0	9,639.1	29.6	23.6	31.78	2,150.9	-380.9	1,079.1	1,028.3	50.83	21.232		
12,540.0	10,549.6	11,785.1	9,640.8	29.8	24.0	31.81	2,202.9	-381.4	1,078.1	1,026.7	51.32	21.006		
12,600.0	10,549.8	11,828.0	9,642.8	30.0	24.3	31.84	2,245.8	-381.9	1,075.8	1,023.9	51.90	20.728		
12,635.0	10,550.0	11,865.8	9,644.3	30.2	24.6	31.86	2,283.5	-382.3	1,074.5	1,022.2	52.31	20.543		
12,700.0	10,550.2	11,923.0	9,644.6	30.5	25.0	31.86	2,340.7	-382.5	1,074.2	1,021.2	53.00	20.270		
12,716.1	10,550.3	11,923.0	9,644.6	30.6	25.0	31.86	2,340.7	-382.5	1,074.1	1,021.0	53.09	20.231		
12,730.0	10,550.4	11,923.0	9,644.6	30.6	25.0	31.86	2,340.7	-382.5	1,074.2	1,021.0	53.17	20.204		
12,800.0	10,550.6	11,962.9	9,643.5	30.9	25.3	31.83	2,380.6	-382.4	1,076.2	1,022.4	53.77	20.015		
12,825.0	10,550.7	11,978.3	9,642.8	31.1	25.4	31.82	2,396.0	-382.4	1,077.3	1,023.3	53.99	19.955		
12,900.0	10,551.1	12,036.7	9,639.1	31.4	25.8	31.73	2,454.3	-381.8	1,082.0	1,027.3	54.73	19.771		
12,920.0	10,551.1	12,072.4	9,637.0	31.5	26.1	31.69	2,489.9	-381.6	1,083.1	1,028.1	55.08	19.665		
13,000.0	10,551.5	12,200.3	9,633.5	31.9	27.1	31.58	2,617.7	-381.8	1,085.3	1,028.9	56.35	19.261		
13,015.0	10,551.5	12,223.1	9,633.5	32.0	27.3	31.57	2,640.6	-381.9	1,085.3	1,028.7	56.57	19.185		
13,100.0	10,551.9	12,324.3	9,634.1	32.4	28.0	31.49	2,741.7	-384.0	1,084.2	1,026.5	57.69	18.796		
13,110.0	10,551.9	12,332.2	9,634.2	32.4	28.1	31.48	2,749.6	-384.3	1,084.1	1,026.3	57.80	18.757		
13,180.8	10,552.2	12,388.2	9,633.9	32.8	28.5	31.39	2,805.6	-386.0	1,083.6	1,025.0	58.58	18.499		
13,200.0	10,552.3	12,399.0	9,633.7	32.9	28.6	31.37	2,816.4	-386.4	1,083.6	1,024.9	58.76	18.442		
13,205.0	10,552.3	12,399.0	9,633.7	32.9	28.6	31.37	2,816.4	-386.4	1,083.7	1,024.9	58.79	18.434		
13,300.0	10,552.7	12,479.7	9,631.4	33.4	29.2	31.20	2,897.0	-388.7	1,085.1	1,025.2	59.86	18.126		
13,395.0	10,553.1	12,574.3	9,628.2	33.9	30.0	31.07	2,991.6	-389.7	1,087.7	1,026.7	61.05	17.818		
13,400.0	10,553.2	12,579.6	9,628.1	33.9	30.0	31.07	2,996.8	-389.6	1,087.8	1,026.7	61.11	17.801		
13,490.0	10,553.5	12,660.4	9,626.9	34.4	30.6	31.11	3,077.6	-387.8	1,090.5	1,028.3	62.18	17.537		
13,500.0	10,553.6	12,669.2	9,626.8	34.5	30.7	31.12	3,086.4	-387.5	1,090.8	1,028.5	62.30	17.510		
13,585.0	10,553.9	12,817.3	9,628.9	34.9	31.9	31.33	3,234.4	-384.1	1,091.1	1,027.3	63.79	17.104		
13,600.0	10,554.0	12,835.1	9,629.5	35.0	32.0	31.35	3,252.3	-384.1	1,090.7	1,026.7	64.00	17.043		
13,680.0	10,554.3	12,926.7	9,633.0	35.4	32.7	31.41	3,343.7	-384.7	1,088.2	1,023.1	65.09	16.718		
13,700.0	10,554.4	12,948.9	9,633.9	35.5	32.9	31.43	3,366.0	-384.8	1,087.5	1,022.1	65.36	16.637		
13,775.0	10,554.7	13,005.6	9,636.3	36.0	33.4	31.48	3,422.6	-385.0	1,085.0	1,018.8	66.26	16.377		
13,800.0	10,554.8	13,021.9	9,636.8	36.1	33.5	31.50	3,438.9	-385.0	1,084.6	1,018.1	66.54	16.301		
13,837.4	10,555.0	13,046.2	9,637.3	36.3	33.7	31.52	3,463.2	-384.8	1,084.4	1,017.4	66.95	16.197		
13,870.0	10,555.1	13,063.0	9,637.4	36.5	33.8	31.54	3,480.0	-384.5	1,084.5	1,017.2	67.28	16.120		
13,900.0	10,555.3	13,094.3	9,637.5	36.7	34.1	31.56	3,511.3	-384.0	1,084.8	1,017.1	67.68	16.028		
13,965.0	10,555.5	13,149.5	9,637.3	37.0	34.5	31.59	3,566.5	-383.2	1,085.9	1,017.4	68.47	15.858		
14,000.0	10,555.7	13,265.4	9,638.5	37.2	35.4	31.54	3,682.3	-384.9	1,085.7	1,016.3	69.39	15.646		
14,060.0	10,555.9	13,288.3	9,638.7	37.6	35.6	31.51	3,705.2	-385.8	1,083.8	1,013.8	70.03	15.478		
14,100.0	10,556.1	13,310.2	9,638.6	37.8	35.8	31.47	3,727.1	-386.6	1,083.4	1,013.0	70.45	15.378		
14,105.0	10,556.1	13,313.0	9,638.6	37.8	35.8	31.46	3,729.9	-386.7	1,083.4	1,012.9	70.51	15.366		
14,155.0	10,556.3	13,349.0	9,637.5	38.1	36.1	31.38	3,765.8	-387.8	1,084.0	1,012.9	71.09	15.249		
14,200.0	10,556.5	13,415.7	9,635.6	38.4	36.6	31.22	3,832.5	-390.2	1,084.6	1,012.8	71.83	15.099		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 Factor		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,250.0	10,556.7	13,474.5	9,635.3	38.7	37.1	31.08	3,891.1	-393.2	1,083.7	1,011.2	72.56	14.935		
14,300.0	10,556.9	13,514.9	9,634.9	39.0	37.4	30.97	3,931.6	-395.1	1,083.2	1,010.0	73.19	14.801		
14,345.0	10,557.1	13,555.6	9,634.1	39.2	37.8	30.87	3,972.2	-397.0	1,083.0	1,009.3	73.77	14.681		
14,400.0	10,557.4	13,614.5	9,633.6	39.6	38.2	30.76	4,031.0	-398.9	1,082.8	1,008.3	74.55	14.525		
14,440.0	10,557.5	13,653.1	9,633.6	39.8	38.6	30.73	4,069.6	-399.6	1,082.6	1,007.5	75.09	14.417		
14,483.3	10,557.7	13,691.4	9,633.9	40.1	38.9	30.74	4,107.9	-399.6	1,082.5	1,006.8	75.65	14.309		
14,500.0	10,557.8	13,706.2	9,634.1	40.2	39.0	30.75	4,122.7	-399.4	1,082.5	1,006.6	75.87	14.268		
14,535.0	10,557.9	13,742.7	9,634.8	40.4	39.3	30.81	4,159.2	-398.5	1,082.6	1,006.2	76.36	14.177		
14,600.0	10,558.2	13,858.4	9,641.0	40.8	40.2	31.21	4,274.6	-393.5	1,081.5	1,004.0	77.54	13.948		
14,630.0	10,558.3	13,886.7	9,643.5	41.0	40.4	31.34	4,302.8	-392.0	1,080.2	1,002.2	77.96	13.856		
14,700.0	10,558.6	13,953.8	9,649.4	41.4	41.0	31.66	4,369.5	-388.5	1,077.2	998.2	78.93	13.647		
14,725.0	10,558.7	13,979.2	9,651.6	41.5	41.2	31.79	4,394.8	-387.1	1,076.1	996.8	79.29	13.572		
14,800.0	10,559.0	14,050.8	9,658.1	42.0	41.8	32.15	4,466.0	-383.0	1,073.0	992.6	80.34	13.356		
14,820.0	10,559.1	14,066.3	9,659.4	42.1	41.9	32.23	4,481.4	-382.2	1,072.2	991.6	80.60	13.303		
14,900.0	10,559.4	14,131.0	9,663.8	42.6	42.4	32.50	4,545.8	-378.9	1,070.2	988.5	81.66	13.106		
14,915.0	10,559.5	14,131.0	9,663.8	42.7	42.4	32.50	4,545.8	-378.9	1,070.0	988.2	81.78	13.084		
14,973.6	10,559.8	14,183.4	9,666.2	43.1	42.8	32.68	4,598.1	-376.4	1,069.5	987.0	82.57	12.953		
15,000.0	10,559.9	14,203.1	9,666.8	43.2	43.0	32.74	4,617.8	-375.4	1,069.6	986.7	82.90	12.902		
15,010.0	10,559.9	14,210.6	9,667.0	43.3	43.0	32.77	4,625.3	-375.0	1,069.7	986.7	83.02	12.884		
15,100.0	10,560.3	14,274.4	9,667.9	43.9	43.6	32.93	4,689.0	-371.9	1,071.5	987.4	84.09	12.743		
15,105.0	10,560.3	14,277.9	9,667.9	43.9	43.6	32.94	4,692.5	-371.7	1,071.7	987.6	84.15	12.736		
15,200.0	10,560.7	14,356.3	9,666.4	44.5	44.2	33.06	4,770.7	-367.9	1,076.1	990.7	85.34	12.609		
15,295.0	10,561.1	14,446.2	9,663.5	45.1	45.0	33.11	4,860.6	-364.9	1,080.7	994.1	86.65	12.473		
15,300.0	10,561.1	14,450.1	9,663.4	45.1	45.0	33.11	4,864.5	-364.8	1,081.0	994.3	86.71	12.467		
15,390.0	10,561.5	14,521.4	9,660.0	45.7	45.6	33.12	4,935.7	-362.2	1,086.8	999.1	87.79	12.380		
15,400.0	10,561.5	14,530.3	9,659.5	45.8	45.7	33.12	4,944.6	-361.9	1,087.6	999.7	87.92	12.370		
15,485.0	10,561.9	14,606.0	9,654.8	46.3	46.3	33.12	5,020.0	-358.8	1,094.2	1,005.2	89.03	12.291		
15,500.0	10,562.0	14,620.4	9,653.9	46.4	46.4	33.12	5,034.4	-358.1	1,095.4	1,006.2	89.23	12.276		
15,580.0	10,562.3	14,698.7	9,649.2	46.9	47.1	33.16	5,112.5	-354.2	1,102.1	1,011.7	90.37	12.196		
15,600.0	10,562.4	14,730.5	9,647.5	47.1	47.3	33.19	5,144.2	-352.4	1,103.6	1,012.8	90.80	12.155		
15,675.0	10,562.7	14,854.4	9,644.7	47.6	48.4	33.37	5,267.9	-346.3	1,107.4	1,015.0	92.40	11.985		
15,700.0	10,562.8	14,896.5	9,644.9	47.7	48.7	33.44	5,310.0	-344.7	1,108.0	1,015.1	92.91	11.926		
15,770.0	10,563.1	15,010.8	9,647.8	48.2	49.6	33.56	5,424.2	-343.8	1,106.9	1,012.7	94.21	11.749		
15,800.0	10,563.2	15,039.6	9,648.8	48.4	49.9	33.58	5,453.0	-343.9	1,106.1	1,011.5	94.65	11.687		
15,865.0	10,563.5	15,118.7	9,651.7	48.8	50.5	33.66	5,532.0	-344.0	1,104.4	1,008.7	95.66	11.544		
15,900.0	10,563.6	15,176.7	9,654.2	49.0	51.0	33.64	5,589.9	-345.9	1,102.6	1,006.4	96.25	11.456		
15,960.0	10,563.9	15,237.2	9,657.0	49.4	51.5	33.61	5,650.3	-348.7	1,099.1	1,002.0	97.13	11.316		
16,000.0	10,564.1	15,277.7	9,659.1	49.7	51.9	33.59	5,690.7	-350.3	1,096.7	999.0	97.72	11.223		
16,055.0	10,564.3	15,330.8	9,661.8	50.1	52.3	33.58	5,743.7	-352.3	1,093.4	994.9	98.52	11.099		
16,100.0	10,564.5	15,376.4	9,664.1	50.4	52.7	33.57	5,789.2	-354.0	1,090.8	991.6	99.18	10.998		
16,150.0	10,564.7	15,435.1	9,667.4	50.7	53.2	33.57	5,847.8	-356.2	1,087.7	987.7	99.94	10.883		
16,200.0	10,564.9	15,480.3	9,670.1	51.0	53.5	33.57	5,892.8	-358.1	1,084.3	983.6	100.66	10.771		
16,245.0	10,565.1	15,512.7	9,671.6	51.3	53.8	33.55	5,925.2	-359.4	1,081.7	980.4	101.30	10.679		
16,300.0	10,565.3	15,554.0	9,672.8	51.7	54.1	33.50	5,966.4	-361.2	1,079.3	977.2	102.06	10.575		
16,340.0	10,565.5	15,587.0	9,673.4	52.0	54.4	33.45	5,999.4	-362.7	1,077.9	975.3	102.62	10.504		
16,400.0	10,565.7	15,639.5	9,674.0	52.4	54.9	33.37	6,051.9	-364.9	1,076.1	972.7	103.47	10.401		
16,435.0	10,565.9	15,668.3	9,674.1	52.6	55.1	33.32	6,080.6	-366.2	1,075.4	971.4	103.95	10.345		
16,500.0	10,566.2	15,720.0	9,673.6	53.0	55.5	33.18	6,132.3	-368.8	1,074.5	969.7	104.83	10.250		
16,530.0	10,566.3	15,745.0	9,672.9	53.3	55.7	33.10	6,157.2	-370.2	1,074.4	969.1	105.23	10.209		
16,600.0	10,566.6	15,816.8	9,670.6	53.7	56.4	32.83	6,228.8	-374.7	1,074.2	967.9	106.27	10.108		
16,625.0	10,566.7	15,842.6	9,669.8	53.9	56.6	32.73	6,254.5	-376.4	1,074.1	967.4	106.65	10.071		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
16,700.0	10,567.0	15,913.5	9,667.2	54.4	57.2	32.42	6,325.2	-381.4	1,073.9	966.1	107.72	9.969	
16,711.4	10,567.0	15,924.2	9,666.7	54.5	57.3	32.37	6,335.9	-382.2	1,073.9	966.0	107.88	9.954	
16,720.0	10,567.1	15,934.0	9,666.3	54.5	57.3	32.33	6,345.6	-383.0	1,073.9	965.9	108.01	9.942	
16,721.4	10,567.1	15,934.0	9,666.3	54.5	57.3	32.33	6,345.6	-383.0	1,073.9	965.8	108.03	9.941	
16,800.0	10,567.4	16,003.4	9,662.8	55.1	57.9	31.98	6,414.7	-388.5	1,074.2	965.1	109.11	9.846	
16,815.0	10,567.5	16,016.7	9,662.0	55.2	58.0	31.91	6,427.9	-389.6	1,074.4	965.1	109.31	9.828	
16,900.0	10,567.8	16,093.6	9,657.6	55.8	58.7	31.52	6,504.5	-395.2	1,075.7	965.2	110.49	9.735	
16,910.0	10,567.9	16,102.7	9,657.1	55.8	58.8	31.48	6,513.6	-395.8	1,075.8	965.2	110.63	9.724	
17,000.0	10,568.3	16,189.1	9,652.5	56.5	59.5	31.14	6,599.8	-400.5	1,077.8	965.9	111.93	9.630	
17,005.0	10,568.3	16,194.0	9,652.3	56.5	59.5	31.12	6,604.6	-400.7	1,077.9	965.9	112.00	9.624	
17,100.0	10,568.7	16,297.4	9,647.2	57.1	60.4	30.74	6,707.7	-406.0	1,079.9	966.4	113.47	9.517	
17,195.0	10,569.1	16,395.9	9,643.8	57.8	61.3	30.47	6,806.1	-409.9	1,081.2	966.3	114.91	9.409	
17,200.0	10,569.1	16,401.0	9,643.7	57.8	61.3	30.46	6,811.2	-410.1	1,081.2	966.2	114.98	9.403	
17,290.0	10,569.5	16,571.6	9,648.1	58.4	62.7	30.43	6,981.7	-413.3	1,078.6	961.9	116.71	9.242	
17,300.0	10,569.5	16,587.3	9,649.2	58.5	62.9	30.45	6,997.3	-413.5	1,078.0	961.1	116.86	9.224	
17,385.0	10,569.9	16,676.5	9,656.5	59.1	63.6	30.60	7,086.2	-414.4	1,071.9	953.8	118.15	9.073	
17,400.0	10,569.9	16,691.3	9,657.7	59.2	63.7	30.63	7,101.0	-414.6	1,070.8	952.5	118.38	9.046	
17,480.0	10,570.3	16,773.2	9,664.8	59.8	64.4	30.79	7,182.5	-415.1	1,065.1	945.5	119.59	8.906	
17,500.0	10,570.4	16,789.0	9,666.2	59.9	64.5	30.83	7,198.3	-415.1	1,063.6	943.7	119.89	8.871	
17,575.0	10,570.7	16,841.0	9,670.1	60.4	65.0	30.94	7,250.2	-415.2	1,059.1	938.1	121.00	8.753	
17,600.0	10,570.8	16,857.4	9,671.0	60.6	65.1	30.96	7,266.5	-415.1	1,058.0	936.6	121.35	8.718	
17,670.0	10,571.1	16,902.5	9,672.8	61.1	65.5	31.02	7,311.6	-415.0	1,056.0	933.7	122.30	8.634	
17,700.0	10,571.2	16,921.4	9,673.2	61.3	65.6	31.03	7,330.5	-415.0	1,055.7	933.0	122.69	8.605	
17,716.2	10,571.3	16,931.6	9,673.3	61.4	65.7	31.03	7,340.7	-415.0	1,055.6	932.8	122.89	8.590	
17,765.0	10,571.5	16,979.0	9,672.9	61.8	66.1	31.03	7,388.1	-414.8	1,056.3	932.7	123.62	8.545	
17,800.0	10,571.6	16,988.0	9,672.7	62.0	66.2	31.03	7,397.0	-414.7	1,056.9	932.9	123.92	8.528	
17,860.0	10,571.9	17,051.0	9,671.4	62.4	66.7	31.00	7,460.0	-414.5	1,058.3	933.5	124.86	8.476	
17,900.0	10,572.0	17,089.5	9,670.6	62.7	67.1	30.98	7,498.5	-414.5	1,059.2	933.8	125.45	8.444	
17,955.0	10,572.3	17,136.6	9,669.3	63.1	67.5	30.94	7,545.6	-414.5	1,060.8	934.6	126.19	8.406	
18,000.0	10,572.4	17,175.5	9,667.9	63.4	67.8	30.90	7,584.5	-414.5	1,062.4	935.6	126.81	8.378	
18,050.0	10,572.7	17,221.2	9,666.0	63.8	68.2	30.84	7,630.1	-414.6	1,064.4	936.8	127.51	8.347	
18,100.0	10,572.9	17,267.7	9,663.9	64.1	68.6	30.78	7,676.6	-414.6	1,066.5	938.3	128.22	8.318	
18,145.0	10,573.1	17,322.3	9,661.6	64.4	69.0	30.71	7,731.1	-414.7	1,068.4	939.3	129.01	8.281	
18,200.0	10,573.3	17,383.1	9,659.6	64.8	69.6	30.66	7,791.9	-414.7	1,070.1	940.2	129.90	8.238	
18,240.0	10,573.5	17,422.4	9,658.6	65.1	69.9	30.64	7,831.2	-414.4	1,071.3	940.8	130.50	8.209	
18,300.0	10,573.7	17,486.7	9,657.1	65.5	70.4	30.63	7,895.5	-413.6	1,073.2	941.7	131.46	8.164	
18,335.0	10,573.9	17,527.9	9,656.7	65.8	70.8	30.66	7,936.7	-412.7	1,074.0	942.0	132.05	8.133	
18,400.0	10,574.1	17,594.6	9,656.7	66.2	71.3	30.74	8,003.4	-410.9	1,075.3	942.2	133.06	8.081	
18,430.0	10,574.3	17,623.8	9,656.7	66.4	71.6	30.79	8,032.6	-409.9	1,075.9	942.4	133.51	8.058	
18,500.0	10,574.5	17,748.2	9,659.3	66.9	72.6	31.00	8,156.9	-406.9	1,076.0	941.1	134.95	7.974	
18,525.0	10,574.6	17,766.3	9,660.1	67.1	72.8	31.03	8,175.0	-406.6	1,075.4	940.1	135.30	7.948	
18,600.0	10,575.0	17,837.4	9,663.0	67.6	73.4	31.17	8,246.0	-405.3	1,073.8	937.4	136.44	7.870	
18,620.0	10,575.0	17,856.7	9,663.8	67.8	73.5	31.21	8,265.3	-404.8	1,073.4	936.7	136.74	7.850	
18,700.0	10,575.4	17,934.9	9,667.2	68.4	74.2	31.40	8,343.3	-402.7	1,072.0	934.0	137.97	7.770	
18,715.0	10,575.4	17,951.3	9,667.9	68.5	74.3	31.44	8,359.7	-402.2	1,071.7	933.5	138.20	7.754	
18,800.0	10,575.8	18,020.0	9,671.3	69.1	74.9	31.63	8,428.3	-400.1	1,070.0	930.6	139.42	7.675	
18,810.0	10,575.8	18,041.6	9,672.3	69.1	75.1	31.69	8,449.9	-399.5	1,069.7	930.1	139.65	7.660	
18,857.4	10,576.0	18,073.6	9,673.2	69.5	75.3	31.74	8,481.9	-398.8	1,069.4	929.1	140.28	7.623	
18,900.0	10,576.2	18,115.0	9,673.3	69.8	75.7	31.77	8,523.3	-398.3	1,069.8	928.9	140.92	7.591	
18,905.0	10,576.2	18,115.0	9,673.3	69.8	75.7	31.77	8,523.3	-398.3	1,069.8	928.8	140.96	7.589	
19,000.0	10,576.6	18,190.1	9,672.0	70.5	76.3	31.74	8,598.4	-397.9	1,071.7	929.5	142.23	7.535	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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: Reference		100-Standard Keeper 104, 6442-MWD+IFR1+FDIR				Rule Assigned:			Offset Well Error: 3.0 usft					
Offset		Semi Major Axis		Distance			Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,095.0	10,577.0	18,283.6	9,669.6	71.2	77.1	31.67	8,691.8	-398.0	1,074.2	930.5	143.66	7.477		
19,100.0	10,577.1	18,288.6	9,669.5	71.2	77.2	31.66	8,696.8	-398.1	1,074.3	930.5	143.74	7.474		
19,190.0	10,577.4	18,371.1	9,666.9	71.8	77.9	31.57	8,779.3	-398.5	1,076.9	931.8	145.03	7.425		
19,200.0	10,577.5	18,380.1	9,666.6	71.9	77.9	31.56	8,788.3	-398.5	1,077.2	932.0	145.17	7.420		
19,285.0	10,577.8	18,459.1	9,663.8	72.5	78.6	31.49	8,867.2	-398.2	1,080.3	933.9	146.40	7.379		
19,300.0	10,577.9	18,473.1	9,663.2	72.6	78.7	31.48	8,881.2	-398.1	1,080.9	934.3	146.62	7.372		
19,380.0	10,578.2	18,594.1	9,660.5	73.2	79.8	31.41	9,002.2	-397.9	1,083.1	934.8	148.24	7.306		
19,400.0	10,578.3	18,613.5	9,660.5	73.4	79.9	31.41	9,021.6	-398.0	1,083.1	934.6	148.54	7.292		
19,475.0	10,578.6	18,695.9	9,660.7	73.9	80.6	31.39	9,103.9	-398.4	1,083.1	933.4	149.74	7.233		
19,500.0	10,578.7	18,725.4	9,660.8	74.1	80.9	31.37	9,133.5	-398.8	1,083.0	932.8	150.15	7.212		
19,570.0	10,579.0	18,800.1	9,661.1	74.6	81.5	31.29	9,208.1	-400.8	1,082.1	930.8	151.25	7.154		
19,600.0	10,579.2	18,826.4	9,661.1	74.8	81.7	31.26	9,234.5	-401.6	1,081.8	930.1	151.68	7.132		
19,665.0	10,579.4	18,892.3	9,661.1	75.3	82.3	31.19	9,300.3	-403.0	1,081.3	928.7	152.68	7.082		
19,700.0	10,579.6	18,944.6	9,662.0	75.5	82.7	31.18	9,352.6	-403.7	1,080.7	927.4	153.30	7.049		
19,760.0	10,579.8	19,006.8	9,664.2	75.9	83.3	31.21	9,414.7	-404.3	1,078.9	924.7	154.24	6.995		
19,800.0	10,580.0	19,043.2	9,665.3	76.2	83.6	31.23	9,451.1	-404.6	1,077.9	923.0	154.84	6.961		
19,855.0	10,580.2	19,094.1	9,666.7	76.6	84.0	31.25	9,502.0	-405.0	1,076.6	921.0	155.67	6.916		
19,900.0	10,580.4	19,136.0	9,667.6	77.0	84.4	31.25	9,543.9	-405.4	1,075.8	919.4	156.35	6.880		
19,950.0	10,580.6	19,216.4	9,669.7	77.3	85.0	31.24	9,624.3	-407.0	1,074.5	917.2	157.21	6.835		
20,000.0	10,580.8	19,309.0	9,675.1	77.7	85.8	31.20	9,716.6	-410.9	1,071.1	913.2	157.91	6.783		
20,045.0	10,581.0	19,363.9	9,679.1	78.0	86.3	31.13	9,771.3	-414.8	1,066.8	908.2	158.54	6.729		
20,100.0	10,581.3	19,407.8	9,682.2	78.4	86.6	31.08	9,814.9	-417.8	1,061.8	902.4	159.44	6.660		
20,140.0	10,581.4	19,439.0	9,684.1	78.7	86.9	31.04	9,846.0	-419.7	1,058.5	898.5	160.08	6.613		
20,200.0	10,581.7	19,489.9	9,687.1	79.1	87.3	31.00	9,896.7	-422.5	1,054.2	893.1	161.02	6.547		
20,235.0	10,581.8	19,519.1	9,688.7	79.4	87.6	30.98	9,925.9	-423.8	1,051.9	890.3	161.57	6.510		
20,300.0	10,582.1	19,564.8	9,691.0	79.9	88.0	30.97	9,971.4	-425.3	1,048.3	885.7	162.58	6.448		
20,330.0	10,582.2	19,584.5	9,691.8	80.1	88.1	30.97	9,991.1	-425.7	1,047.1	884.0	163.02	6.423		
20,400.0	10,582.5	19,628.0	9,693.1	80.6	88.5	31.00	10,034.6	-426.0	1,045.4	881.4	163.99	6.375		
20,425.0	10,582.6	19,650.5	9,693.5	80.8	88.7	31.01	10,057.2	-425.9	1,045.2	880.8	164.36	6.359		
20,460.5	10,582.8	19,678.2	9,694.0	81.0	88.9	31.04	10,084.9	-425.6	1,045.0	880.2	164.86	6.339		
20,500.0	10,582.9	19,709.1	9,694.3	81.3	89.2	31.07	10,115.7	-425.2	1,045.2	879.8	165.40	6.319		
20,520.0	10,583.0	19,726.4	9,694.3	81.5	89.3	31.08	10,133.0	-424.8	1,045.4	879.7	165.69	6.309		
20,600.0	10,583.3	19,827.3	9,695.6	82.0	90.2	31.18	10,233.9	-423.5	1,045.5	878.4	167.09	6.257		
20,615.0	10,583.4	19,846.1	9,696.0	82.1	90.4	31.20	10,252.7	-423.4	1,045.3	878.0	167.35	6.246		
20,700.0	10,583.8	19,910.0	9,698.0	82.8	90.9	31.27	10,316.5	-423.0	1,044.0	875.5	168.52	6.195		
20,710.0	10,583.8	19,932.9	9,698.6	82.8	91.1	31.30	10,339.5	-422.8	1,043.7	874.9	168.77	6.184		
20,720.7	10,583.9	19,938.5	9,698.7	82.9	91.1	31.30	10,345.1	-422.7	1,043.7	874.8	168.90	6.179		
20,720.7	10,583.9	19,938.6	9,698.7	82.9	91.1	31.30	10,345.1	-422.7	1,043.7	874.8	168.90	6.179		
20,800.0	10,584.2	19,980.0	9,698.6	83.5	91.5	31.34	10,386.6	-421.9	1,045.1	875.3	169.75	6.157		
20,805.0	10,584.2	20,005.0	9,697.8	83.5	91.7	31.35	10,411.5	-421.1	1,045.7	875.7	170.06	6.149		
20,900.0	10,584.6	20,088.5	9,695.1	84.2	92.4	31.35	10,494.9	-419.4	1,049.6	878.2	171.40	6.124		
20,995.0	10,585.0	20,201.5	9,693.3	84.9	93.4	31.29	10,608.0	-419.5	1,051.2	878.2	173.05	6.075		
21,000.0	10,585.0	20,205.9	9,693.2	84.9	93.4	31.29	10,612.4	-419.6	1,051.3	878.1	173.12	6.072		
21,090.0	10,585.4	20,286.0	9,691.7	85.6	94.1	31.21	10,692.4	-420.2	1,052.8	878.4	174.41	6.036		
21,100.0	10,585.4	20,296.7	9,691.5	85.7	94.2	31.20	10,703.1	-420.3	1,053.0	878.4	174.57	6.032		
21,185.0	10,585.8	20,394.2	9,689.7	86.3	95.0	31.07	10,800.6	-421.8	1,054.0	878.0	176.00	5.989		
21,200.0	10,585.9	20,406.3	9,689.5	86.4	95.1	31.06	10,812.7	-422.1	1,054.1	877.9	176.20	5.982		
21,280.0	10,586.2	20,475.0	9,687.7	87.0	95.7	30.96	10,881.3	-423.1	1,055.6	878.3	177.32	5.953		
21,300.0	10,586.3	20,475.0	9,687.7	87.1	95.7	30.96	10,881.3	-423.1	1,056.2	878.8	177.39	5.954		
21,375.0	10,586.6	20,541.2	9,685.0	87.7	96.3	30.87	10,947.5	-423.4	1,059.1	880.7	178.41	5.936		
21,400.0	10,586.7	20,570.0	9,683.5	87.9	96.5	30.84	10,976.2	-423.2	1,060.5	881.6	178.85	5.929		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor	
21,470.0	10,587.0	20,618.6	9,680.5	88.4	96.9	30.77	11,024.8	-422.7	1,064.7	885.1	179.59	5.928
21,500.0	10,587.1	20,644.7	9,678.6	88.6	97.2	30.72	11,050.8	-422.6	1,066.7	886.7	179.98	5.927
21,565.0	10,587.4	20,708.6	9,673.8	89.1	97.7	30.59	11,114.5	-422.6	1,071.3	890.3	180.96	5.920
21,600.0	10,587.5	20,709.0	9,673.8	89.3	97.7	30.59	11,114.9	-422.6	1,074.3	893.5	180.79	5.942
21,660.0	10,587.8	20,709.0	9,673.8	89.8	97.7	30.59	11,114.9	-422.6	1,082.0	901.9	180.09	6.008
21,700.0	10,588.0	20,709.0	9,673.8	90.1	97.7	30.59	11,114.9	-422.6	1,089.0	909.7	179.36	6.072
21,755.0	10,588.2	20,709.0	9,673.8	90.5	97.7	30.59	11,114.9	-422.6	1,100.9	922.9	178.04	6.184
21,800.0	10,588.4	20,709.0	9,673.8	90.8	97.7	30.59	11,114.9	-422.6	1,112.6	935.9	176.70	6.297
21,850.0	10,588.6	20,709.0	9,673.8	91.2	97.7	30.59	11,114.9	-422.6	1,127.5	952.6	174.97	6.444
21,900.0	10,588.8	20,709.0	9,673.8	91.5	97.7	30.59	11,114.9	-422.6	1,144.5	971.5	173.01	6.615
21,945.0	10,589.0	20,709.0	9,673.8	91.9	97.7	30.59	11,114.9	-422.6	1,161.3	990.3	171.08	6.788
22,000.0	10,589.2	20,709.0	9,673.8	92.3	97.7	30.59	11,114.9	-422.6	1,184.0	1,015.4	168.55	7.024
22,040.0	10,589.4	20,709.0	9,673.8	92.6	97.7	30.59	11,114.9	-422.6	1,201.7	1,035.1	166.61	7.213
22,100.0	10,589.6	20,709.0	9,673.8	93.0	97.7	30.59	11,114.9	-422.6	1,230.3	1,066.7	163.58	7.521
22,135.0	10,589.8	20,709.0	9,673.8	93.3	97.7	30.59	11,114.9	-422.6	1,248.0	1,086.3	161.76	7.715
22,200.0	10,590.1	20,709.0	9,673.8	93.7	97.7	30.59	11,114.9	-422.6	1,282.8	1,124.5	158.32	8.102
22,230.0	10,590.2	20,709.0	9,673.8	94.0	97.7	30.59	11,114.9	-422.6	1,299.6	1,142.9	156.72	8.293

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	7.6	7.6	3.0	3.0	-90.24	-1.6	-385.0	385.0					
95.0	95.0	103.2	103.2	3.0	3.0	-90.19	-1.3	-384.9	384.9	378.9	6.03	63.856		
100.0	100.0	108.2	108.2	3.0	3.0	-90.19	-1.3	-384.9	384.9	378.9	6.03	63.813		
117.1	117.1	124.7	124.7	3.0	3.0	-90.17	-1.2	-384.9	384.9	378.9	6.05	63.629		
190.0	190.0	194.1	194.1	3.1	3.0	-90.12	-0.8	-385.2	385.2	379.1	6.17	62.466		
200.0	200.0	203.6	203.6	3.2	3.0	-90.11	-0.7	-385.3	385.3	379.1	6.19	62.266		
285.0	285.0	286.3	286.3	3.3	3.1	-90.05	-0.3	-386.5	386.5	380.2	6.35	60.905		
300.0	300.0	301.0	300.9	3.3	3.1	-90.03	-0.2	-386.7	386.8	380.4	6.38	60.630		
380.0	380.0	379.0	379.0	3.4	3.2	-89.94	0.4	-388.2	388.3	381.8	6.55	59.258		
400.0	400.0	398.5	398.5	3.4	3.2	-89.92	0.6	-388.7	388.8	382.2	6.60	58.891		
475.0	475.0	472.4	472.3	3.5	3.3	-89.81	1.3	-390.5	390.7	383.9	6.79	57.556		
500.0	500.0	497.4	497.3	3.5	3.4	-89.78	1.5	-391.2	391.3	384.5	6.86	57.080		
570.0	570.0	566.9	566.8	3.6	3.5	-89.69	2.1	-393.0	393.2	386.1	7.05	55.778		
600.0	600.0	596.5	596.4	3.6	3.5	-89.66	2.3	-393.9	394.0	386.9	7.14	55.208		
665.0	665.0	661.7	661.6	3.7	3.7	-89.61	2.7	-395.7	395.9	388.6	7.33	53.987		
700.0	700.0	697.2	697.0	3.8	3.7	-89.59	2.8	-396.7	396.8	389.4	7.44	53.307		
760.0	760.0	759.9	759.8	3.8	3.9	-89.58	2.9	-398.2	398.3	390.6	7.64	52.108		
800.0	800.0	802.1	802.0	3.9	4.0	-89.60	2.8	-398.9	398.9	391.2	7.78	51.270		
855.0	855.0	858.5	858.3	4.0	4.1	-89.65	2.4	-399.6	399.6	391.7	7.94	50.358		
900.0	900.0	904.7	904.5	4.0	4.2	-89.72	2.0	-400.0	400.0	392.0	8.05	49.684		
950.0	950.0	956.5	956.3	4.1	4.2	-89.81	1.4	-400.3	400.3	392.2	8.15	49.117		
1,000.0	1,000.0	1,007.3	1,007.1	4.1	4.3	-89.89	0.7	-400.4	400.4	392.2	8.28	48.382		
1,045.0	1,045.0	1,053.0	1,052.8	4.2	4.4	-89.98	0.2	-400.4	400.4	392.1	8.39	47.738		
1,100.0	1,100.0	1,108.9	1,108.7	4.3	4.5	-90.08	-0.6	-400.4	400.4	391.8	8.52	46.981		
1,140.0	1,140.0	1,149.5	1,149.3	4.3	4.5	-90.16	-1.1	-400.2	400.2	391.6	8.62	46.441		
1,200.0	1,200.0	1,210.1	1,209.8	4.4	4.7	-90.28	-2.0	-399.9	399.9	391.2	8.76	45.644		
1,235.0	1,235.0	1,245.6	1,245.4	4.4	4.7	-90.36	-2.5	-399.7	399.7	390.9	8.84	45.193		
1,300.0	1,300.0	1,312.0	1,311.8	4.5	4.8	-90.51	-3.6	-399.1	399.1	390.1	9.00	44.361		
1,330.0	1,330.0	1,343.6	1,343.3	4.5	4.9	-90.59	-4.1	-398.7	398.8	389.7	9.07	43.975		
1,400.0	1,400.0	1,417.7	1,417.5	4.6	5.0	-90.79	-5.5	-397.2	397.4	388.1	9.23	43.031		
1,425.0	1,425.0	1,442.8	1,442.5	4.6	5.1	-90.86	-6.0	-396.6	396.8	387.5	9.29	42.687		
1,500.0	1,500.0	1,517.8	1,517.4	4.7	5.2	-91.11	-7.7	-394.7	394.9	385.4	9.48	41.670		
1,520.0	1,520.0	1,537.5	1,537.1	4.7	5.3	-2.75	-8.1	-394.2	394.3	384.8	9.55	41.306		
1,600.0	1,600.0	1,616.7	1,616.3	4.8	5.4	-3.02	-9.8	-392.3	390.8	381.0	9.83	39.755		
1,615.0	1,615.0	1,632.0	1,631.6	4.8	5.5	-3.07	-10.1	-392.0	389.9	380.0	9.90	39.397		
1,700.0	1,699.8	1,718.2	1,717.7	5.0	5.7	-3.38	-11.8	-389.8	383.1	372.8	10.28	37.267		
1,710.0	1,709.8	1,728.3	1,727.9	5.0	5.7	-3.41	-12.0	-389.5	382.1	371.8	10.33	37.004		
1,800.0	1,799.5	1,813.5	1,813.0	5.2	6.0	-3.74	-13.5	-387.1	371.7	360.9	10.82	34.366		
1,805.0	1,804.4	1,817.5	1,817.1	5.2	6.0	-3.76	-13.6	-387.0	371.1	360.3	10.85	34.197		
1,900.0	1,898.7	1,897.2	1,896.6	5.5	6.5	-4.29	-16.2	-387.8	360.5	349.0	11.50	31.341		
1,995.0	1,992.5	1,998.6	1,998.0	5.8	6.7	-5.09	-19.7	-389.1	347.1	335.2	11.91	29.145		
2,000.0	1,997.5	2,003.5	2,002.9	5.9	6.7	-5.13	-19.9	-389.1	346.2	334.3	11.93	29.023		
2,090.0	2,085.8	2,092.4	2,091.7	6.2	6.9	-5.86	-22.4	-389.6	329.9	317.6	12.33	26.753		
2,100.0	2,095.6	2,102.7	2,102.0	6.2	6.9	-5.95	-22.6	-389.6	327.9	315.5	12.38	26.491		
2,185.0	2,178.5	2,190.9	2,190.2	6.5	7.1	-6.71	-24.3	-389.1	308.8	296.0	12.79	24.144		
2,200.1	2,193.1	2,207.2	2,206.5	6.6	7.1	-6.86	-24.6	-388.9	305.0	292.1	12.87	23.700		
2,280.0	2,270.7	2,291.6	2,290.9	6.8	7.3	-7.70	-25.8	-386.0	283.3	270.1	13.23	21.407		
2,300.0	2,290.1	2,312.1	2,311.4	6.9	7.3	-7.93	-26.1	-385.0	277.6	264.3	13.32	20.835		
2,375.0	2,362.9	2,383.8	2,382.9	7.1	7.5	-8.85	-27.3	-380.9	255.7	242.0	13.68	18.694		
2,400.0	2,387.1	2,405.0	2,404.1	7.2	7.6	-9.18	-27.7	-379.9	248.6	234.8	13.80	18.016		
2,470.0	2,455.0	2,465.4	2,464.5	7.5	7.7	-10.25	-29.4	-378.3	230.4	216.3	14.15	16.286		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,500.0	2,484.1	2,492.5	2,491.5	7.6	7.8	-10.80	-30.3	-378.1	223.2	208.9	14.28	15.624		
2,565.0	2,547.2	2,551.0	2,550.0	7.8	8.0	-12.12	-32.4	-378.4	208.5	193.9	14.58	14.298		
2,600.0	2,581.2	2,583.6	2,582.6	7.9	8.0	-12.92	-33.6	-379.0	201.1	186.4	14.71	13.668		
2,660.0	2,639.4	2,639.2	2,638.0	8.2	8.1	-14.36	-35.7	-380.8	189.2	174.3	14.94	12.665		
2,700.0	2,678.2	2,678.3	2,677.1	8.3	8.2	-15.44	-37.1	-382.5	181.8	166.7	15.09	12.046		
2,755.0	2,731.6	2,732.7	2,731.5	8.5	8.2	-17.09	-39.0	-384.6	171.4	156.2	15.29	11.210		
2,800.0	2,775.2	2,775.4	2,774.1	8.7	8.3	-18.49	-40.4	-386.3	163.2	147.7	15.47	10.549		
2,850.0	2,823.7	2,822.5	2,821.1	8.9	8.3	-20.09	-41.8	-388.8	154.7	139.0	15.67	9.871		
2,900.0	2,872.3	2,870.2	2,868.7	9.1	8.4	-21.77	-43.1	-392.0	146.9	131.0	15.87	9.252		
2,945.0	2,915.9	2,913.4	2,911.7	9.3	8.4	-23.39	-44.4	-395.2	140.3	124.3	16.06	8.738		
3,000.0	2,969.3	2,966.6	2,964.7	9.5	8.5	-25.53	-45.9	-399.6	132.9	116.6	16.29	8.159		
3,040.0	3,008.1	3,005.5	3,003.4	9.7	8.5	-27.21	-47.0	-403.1	127.9	111.5	16.46	7.771		
3,100.0	3,066.3	3,064.7	3,062.4	9.9	8.5	-29.97	-48.8	-408.6	120.9	104.1	16.72	7.228		
3,135.0	3,100.3	3,099.6	3,097.1	10.1	8.6	-31.79	-49.9	-411.8	116.8	99.9	16.87	6.924		
3,200.0	3,163.3	3,163.8	3,161.1	10.3	8.7	-35.55	-51.9	-417.4	109.5	92.4	17.14	6.388		
3,230.0	3,192.5	3,193.4	3,190.5	10.5	8.7	-37.48	-52.9	-420.0	106.3	89.0	17.25	6.161		
3,300.0	3,260.4	3,262.6	3,259.4	10.8	8.8	-42.50	-55.2	-425.9	99.4	81.9	17.50	5.678		
3,325.0	3,284.6	3,287.4	3,284.1	10.9	8.8	-44.45	-56.0	-428.0	97.0	79.5	17.57	5.524		
3,400.0	3,357.4	3,361.5	3,357.9	11.2	8.9	-50.89	-58.3	-434.2	90.7	73.0	17.72	5.120		
3,420.0	3,376.8	3,381.3	3,377.6	11.3	9.0	-52.76	-59.0	-435.9	89.3	71.5	17.75	5.029		
3,500.0	3,454.4	3,460.3	3,456.3	11.6	9.1	-60.87	-61.4	-442.3	84.3	66.5	17.82	4.730		
3,515.0	3,469.0	3,475.1	3,471.1	11.7	9.1	-62.50	-61.9	-443.5	83.5	65.7	17.82	4.688		
3,600.0	3,551.5	3,559.0	3,554.7	12.1	9.3	-72.22	-64.5	-450.0	80.6	62.9	17.77	4.536		
3,610.0	3,561.2	3,568.9	3,564.6	12.1	9.3	-73.40	-64.8	-450.8	80.4	62.7	17.77	4.527		
3,658.3	3,608.0	3,616.5	3,612.0	12.3	9.4	-79.14	-66.1	-454.5	80.0	62.2	17.75	4.506 CC, ES		
3,700.0	3,648.5	3,657.5	3,652.8	12.5	9.5	-84.09	-67.4	-457.7	80.3	62.6	17.77	4.521		
3,705.0	3,653.3	3,662.4	3,657.7	12.5	9.5	-84.68	-67.6	-458.1	80.4	62.7	17.78	4.524		
3,800.0	3,745.5	3,755.5	3,750.4	13.0	9.7	-95.07	-70.8	-466.0	84.0	66.0	18.01	4.662		
3,895.0	3,837.7	3,849.3	3,843.6	13.4	9.9	-103.38	-74.6	-475.5	90.3	71.9	18.45	4.896		
3,900.0	3,842.5	3,854.2	3,848.5	13.4	9.9	-103.78	-74.8	-476.0	90.7	72.2	18.47	4.909		
3,990.0	3,929.9	3,943.1	3,936.9	13.8	10.2	-110.48	-78.5	-485.1	98.4	79.4	19.00	5.177		
4,000.0	3,939.6	3,953.0	3,946.7	13.9	10.2	-111.15	-78.9	-486.1	99.3	80.2	19.06	5.209		
4,085.0	4,022.1	4,036.8	4,030.0	14.3	10.4	-116.37	-82.6	-494.6	107.9	88.2	19.61	5.499		
4,100.0	4,036.6	4,051.5	4,044.7	14.3	10.5	-117.21	-83.2	-496.1	109.5	89.8	19.71	5.554		
4,180.0	4,114.2	4,130.2	4,122.9	14.7	10.7	-121.42	-86.8	-503.7	118.6	98.4	20.26	5.856		
4,200.0	4,133.6	4,149.9	4,142.5	14.8	10.7	-122.39	-87.6	-505.6	121.0	100.7	20.39	5.935		
4,275.0	4,206.4	4,223.5	4,215.7	15.1	11.0	-125.79	-91.0	-512.2	130.5	109.6	20.92	6.240		
4,300.0	4,230.7	4,248.0	4,240.1	15.2	11.0	-126.83	-92.1	-514.4	133.9	112.8	21.09	6.346		
4,370.0	4,298.6	4,316.8	4,308.5	15.6	11.2	-129.46	-95.5	-520.5	143.5	121.9	21.58	6.646		
4,400.0	4,327.7	4,346.3	4,337.9	15.7	11.3	-130.47	-96.9	-523.1	147.7	125.9	21.79	6.778		
4,465.0	4,390.8	4,410.0	4,401.2	16.0	11.5	-132.40	-100.3	-528.8	157.1	134.9	22.23	7.067		
4,500.0	4,424.7	4,444.2	4,435.3	16.2	11.6	-133.33	-102.2	-531.8	162.3	139.9	22.46	7.226		
4,560.0	4,482.9	4,502.9	4,493.6	16.5	11.8	-134.78	-105.6	-537.0	171.5	148.6	22.86	7.501		
4,600.0	4,521.8	4,542.0	4,532.5	16.6	12.0	-135.68	-107.9	-540.3	177.7	154.6	23.13	7.685		
4,655.0	4,575.1	4,595.5	4,585.7	16.9	12.1	-136.83	-111.1	-544.7	186.6	163.1	23.49	7.942		
4,700.0	4,618.8	4,639.2	4,629.2	17.1	12.3	-137.68	-113.8	-548.2	194.0	170.2	23.78	8.156		
4,750.0	4,667.3	4,688.0	4,677.7	17.3	12.5	-138.58	-116.9	-552.0	202.4	178.3	24.11	8.394		
4,800.0	4,715.8	4,736.7	4,726.2	17.6	12.6	-139.42	-120.0	-555.7	211.0	186.5	24.44	8.632		
4,845.0	4,759.5	4,780.5	4,769.8	17.8	12.8	-140.12	-122.9	-558.9	218.8	194.1	24.73	8.847		
4,900.0	4,812.8	4,834.1	4,823.2	18.0	13.0	-140.90	-126.5	-562.8	228.5	203.4	25.09	9.109		
4,940.0	4,851.6	4,873.4	4,862.3	18.2	13.1	-141.42	-129.2	-565.7	235.7	210.3	25.35	9.297		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
5,000.0	4,909.9	4,932.1	4,920.7	18.5	13.3	-142.14	-133.2	-570.0	246.4	220.7	25.73	9.576		
5,035.0	4,943.8	4,965.8	4,954.2	18.7	13.4	-142.54	-135.5	-572.3	252.8	226.8	25.95	9.741		
5,100.0	5,006.9	5,028.3	5,016.4	19.0	13.6	-143.31	-139.7	-576.3	264.9	238.5	26.36	10.048		
5,130.0	5,036.0	5,057.0	5,045.0	19.1	13.7	-143.67	-141.6	-578.0	270.6	244.0	26.55	10.190		
5,200.0	5,103.9	5,124.4	5,112.2	19.5	14.0	-144.52	-145.9	-581.4	284.2	257.2	27.01	10.523		
5,225.0	5,128.2	5,148.8	5,136.6	19.6	14.1	-144.83	-147.4	-582.6	289.1	262.0	27.18	10.639		
5,300.0	5,201.0	5,223.9	5,211.4	19.9	14.3	-145.77	-151.7	-586.1	303.9	276.2	27.71	10.968		
5,320.0	5,220.4	5,245.3	5,232.7	20.0	14.4	-146.02	-152.9	-587.2	307.7	279.8	27.87	11.042		
5,404.0	5,301.9	5,332.2	5,319.3	20.4	14.7	-146.88	-157.4	-593.1	322.6	294.1	28.48	11.328		
5,415.0	5,312.5	5,342.8	5,329.9	20.5	14.7	-147.00	-157.9	-593.8	324.5	296.0	28.55	11.366		
5,500.0	5,395.4	5,428.0	5,414.8	20.9	15.0	-147.79	-162.0	-599.6	338.1	309.0	29.12	11.609		
5,510.0	5,405.2	5,438.5	5,425.3	20.9	15.1	-147.87	-162.5	-600.4	339.5	310.3	29.19	11.630		
5,600.0	5,493.5	5,531.8	5,518.2	21.4	15.4	-148.28	-166.6	-608.0	350.2	320.4	29.76	11.766		
5,605.0	5,498.4	5,536.9	5,523.3	21.4	15.4	-148.29	-166.8	-608.4	350.7	320.9	29.79	11.771		
5,700.0	5,592.3	5,631.2	5,617.0	21.8	15.7	-148.32	-171.0	-616.8	358.6	328.3	30.29	11.840		
5,795.0	5,686.5	5,728.2	5,713.7	22.2	16.0	-148.10	-175.3	-625.1	364.2	333.5	30.75	11.844		
5,800.0	5,691.5	5,733.7	5,719.0	22.3	16.1	-148.07	-175.5	-625.6	364.4	333.6	30.78	11.840		
5,890.0	5,781.1	5,828.3	5,813.2	22.6	16.4	-147.55	-178.9	-634.9	365.7	334.5	31.17	11.732		
5,900.0	5,791.1	5,838.6	5,823.4	22.7	16.4	-147.48	-179.2	-636.0	365.6	334.4	31.21	11.716		
5,985.0	5,876.0	5,921.9	5,906.2	23.0	16.7	-146.81	-181.6	-644.4	363.9	332.5	31.46	11.569		
6,000.0	5,890.9	5,936.2	5,920.5	23.0	16.7	-146.67	-182.0	-645.7	363.5	332.0	31.50	11.541		
6,080.0	5,970.9	6,012.7	5,996.6	23.2	17.0	-145.83	-184.6	-652.7	360.6	329.0	31.56	11.427		
6,104.1	5,995.0	6,035.8	6,019.6	23.2	17.1	126.03	-185.3	-654.6	359.5	327.9	31.57	11.389		
6,175.0	6,065.9	6,104.3	6,087.8	23.2	17.3	126.86	-187.8	-660.1	356.4	324.9	31.50	11.314		
6,200.0	6,090.9	6,128.5	6,112.0	23.2	17.4	127.14	-188.6	-661.9	355.4	324.0	31.48	11.290		
6,270.0	6,160.9	6,198.8	6,182.1	23.3	17.6	127.96	-191.0	-667.0	352.9	321.4	31.45	11.220		
6,300.0	6,190.9	6,229.6	6,212.7	23.3	17.7	128.32	-192.0	-669.4	351.7	320.2	31.44	11.187		
6,365.0	6,255.9	6,295.7	6,278.6	23.3	17.9	129.12	-194.1	-674.6	348.9	317.5	31.40	11.112		
6,400.0	6,290.9	6,331.1	6,313.9	23.3	18.1	129.55	-195.1	-677.5	347.4	316.0	31.38	11.071		
6,460.0	6,350.9	6,389.3	6,371.8	23.3	18.3	130.23	-196.7	-682.0	344.9	313.5	31.33	11.008		
6,500.0	6,390.9	6,427.6	6,410.1	23.3	18.4	130.63	-197.6	-684.5	343.4	312.1	31.30	10.973		
6,555.0	6,445.9	6,481.4	6,463.8	23.4	18.6	131.12	-198.7	-687.8	341.7	310.4	31.28	10.925		
6,600.0	6,490.9	6,525.6	6,507.9	23.4	18.7	131.49	-199.5	-690.2	340.4	309.1	31.27	10.887		
6,650.0	6,540.9	6,574.1	6,556.3	23.4	18.8	131.81	-200.2	-692.4	339.1	307.8	31.27	10.845		
6,700.0	6,590.9	6,622.4	6,604.6	23.4	18.9	132.00	-200.3	-693.8	338.1	306.8	31.30	10.802		
6,745.0	6,635.9	6,672.4	6,654.6	23.4	19.1	132.16	-200.2	-695.4	337.0	305.6	31.41	10.726		
6,800.0	6,690.9	6,732.7	6,714.8	23.4	19.2	132.52	-200.1	-698.7	334.7	303.1	31.51	10.621		
6,840.0	6,730.9	6,773.6	6,755.6	23.5	19.3	132.90	-200.3	-701.7	332.7	301.1	31.52	10.554		
6,900.0	6,790.9	6,832.3	6,814.1	23.5	19.5	133.64	-201.3	-706.8	329.5	298.1	31.46	10.475		
6,935.0	6,825.9	6,863.6	6,845.2	23.5	19.6	134.03	-202.0	-709.3	328.1	296.7	31.40	10.450		
7,000.0	6,890.9	6,922.9	6,904.4	23.5	19.9	134.67	-203.6	-712.9	326.4	295.1	31.31	10.427		
7,030.0	6,920.9	6,952.2	6,933.7	23.5	20.0	134.99	-204.5	-714.6	325.9	294.6	31.28	10.420		
7,100.0	6,990.9	7,022.9	7,004.2	23.5	20.2	135.90	-207.4	-718.9	324.9	293.7	31.22	10.410		
7,125.0	7,015.9	7,050.7	7,031.8	23.6	20.3	136.31	-208.6	-721.0	324.4	293.2	31.21	10.394		
7,200.0	7,090.9	7,128.1	7,108.9	23.6	20.6	137.59	-211.7	-728.1	321.9	290.7	31.11	10.345		
7,220.0	7,110.9	7,146.8	7,127.5	23.6	20.7	137.88	-212.3	-729.7	321.3	290.2	31.07	10.339		
7,300.0	7,190.9	7,224.1	7,204.6	23.6	21.0	138.94	-215.1	-735.2	319.6	288.6	30.97	10.320		
7,315.0	7,205.9	7,239.3	7,219.7	23.6	21.0	139.18	-215.7	-736.4	319.3	288.3	30.95	10.317		
7,400.0	7,290.9	7,324.0	7,303.9	23.6	21.4	140.79	-220.2	-744.3	317.7	286.9	30.78	10.320		
7,410.0	7,300.9	7,333.8	7,313.6	23.6	21.4	140.98	-220.8	-745.2	317.5	286.7	30.76	10.321		
7,500.0	7,390.9	7,425.5	7,404.8	23.7	21.8	142.74	-225.7	-753.7	316.2	285.5	30.62	10.325		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Rule Assigned:		Distance		Minimum		Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)			
7,505.0	7,395.9	7,430.8	7,410.1	23.7	21.8	142.85	-226.0	-754.2	316.0	285.4	30.61	10.324		
7,600.0	7,490.9	7,523.7	7,502.4	23.7	22.1	144.67	-230.2	-763.6	313.9	283.4	30.45	10.308		
7,638.4	7,529.3	7,558.3	7,536.9	23.7	22.3	145.20	-231.7	-766.1	313.7	283.3	30.39	10.319		
7,695.0	7,585.9	7,615.3	7,593.8	23.7	22.5	145.96	-234.1	-769.4	313.8	283.4	30.38	10.328		
7,700.0	7,590.9	7,620.6	7,599.0	23.8	22.5	146.03	-234.4	-769.7	313.8	283.4	30.38	10.328		
7,790.0	7,680.9	7,720.3	7,698.3	23.8	22.9	147.72	-238.4	-778.1	312.7	282.3	30.43	10.277		
7,800.0	7,690.9	7,732.0	7,709.9	23.8	23.0	147.98	-238.8	-779.5	312.4	281.9	30.43	10.264		
7,885.0	7,775.9	7,812.3	7,789.3	23.8	23.3	149.98	-241.9	-790.4	309.3	278.9	30.34	10.194		
7,900.0	7,790.9	7,825.0	7,802.0	23.8	23.4	150.28	-242.5	-791.9	309.0	278.7	30.32	10.194		
7,922.8	7,813.7	7,844.5	7,821.3	23.8	23.4	150.73	-243.6	-794.0	308.9	278.6	30.29	10.199		
7,980.0	7,870.9	7,893.2	7,869.7	23.9	23.6	151.78	-246.9	-798.7	309.7	279.5	30.25	10.238		
8,000.0	7,890.9	7,910.2	7,886.5	23.9	23.7	152.12	-248.3	-800.0	310.4	280.1	30.25	10.262		
8,075.0	7,965.9	7,982.1	7,958.0	23.9	24.0	153.47	-255.0	-804.8	314.3	284.0	30.32	10.367		
8,100.0	7,990.9	8,010.3	7,986.0	23.9	24.1	154.00	-257.4	-806.9	315.4	285.0	30.38	10.383		
8,170.0	8,060.9	8,089.4	8,064.7	23.9	24.4	155.53	-262.8	-813.7	317.2	286.7	30.54	10.388		
8,200.0	8,090.9	8,123.4	8,098.4	23.9	24.5	156.20	-264.5	-816.9	317.4	286.8	30.60	10.371		
8,265.0	8,155.9	8,189.4	8,164.1	24.0	24.8	157.40	-267.0	-823.2	317.2	286.5	30.68	10.337		
8,295.5	8,186.4	8,219.4	8,194.0	24.0	24.9	157.86	-267.9	-825.5	317.2	286.4	30.72	10.325		
8,300.0	8,190.9	8,223.9	8,198.4	24.0	24.9	157.93	-268.1	-825.9	317.2	286.4	30.73	10.323		
8,360.0	8,250.9	8,281.9	8,256.3	24.0	25.1	158.79	-270.0	-830.3	317.4	286.6	30.80	10.303		
8,400.0	8,290.9	8,320.3	8,294.5	24.0	25.3	159.51	-271.8	-833.8	317.7	286.9	30.86	10.296		
8,455.0	8,345.9	8,374.9	8,348.7	24.0	25.5	160.64	-274.6	-839.5	318.5	287.6	30.97	10.285		
8,500.0	8,390.9	8,420.0	8,393.5	24.0	25.7	161.55	-276.9	-844.0	319.2	288.2	31.08	10.273		
8,550.0	8,440.9	8,468.3	8,441.5	24.1	25.9	162.50	-279.4	-848.8	320.2	289.0	31.20	10.262		
8,600.0	8,490.9	8,516.5	8,489.5	24.1	26.1	163.38	-282.0	-853.2	321.4	290.1	31.33	10.259		
8,645.0	8,535.9	8,560.5	8,533.2	24.1	26.2	164.17	-284.5	-857.0	322.8	291.3	31.47	10.257		
8,700.0	8,590.9	8,615.0	8,587.4	24.1	26.4	165.16	-287.8	-861.9	324.7	293.0	31.66	10.255		
8,740.0	8,630.9	8,655.4	8,627.6	24.1	26.6	165.87	-290.2	-865.5	326.1	294.3	31.81	10.252		
8,800.0	8,690.9	8,717.2	8,689.0	24.2	26.8	166.86	-293.4	-870.5	327.9	295.9	32.04	10.236		
8,835.0	8,725.9	8,752.2	8,724.0	24.2	27.0	167.38	-295.0	-873.2	329.0	296.8	32.17	10.226		
8,900.0	8,790.9	8,822.4	8,793.8	24.2	27.2	168.36	-298.0	-878.3	330.8	298.3	32.42	10.202		
8,930.0	8,820.9	8,864.5	8,835.8	24.2	27.3	168.95	-298.6	-881.7	330.6	298.1	32.54	10.161		
9,000.0	8,890.9	8,930.5	8,901.1	24.2	27.3	170.67	-284.2	-894.1	320.1	287.4	32.78	9.767		
9,025.0	8,915.9	9,013.0	8,982.2	24.2	27.3	170.93	-280.2	-896.2	315.4	282.6	32.83	9.608		
9,100.0	8,990.9	9,091.9	9,059.5	24.3	27.3	171.92	-266.5	-903.5	301.6	268.6	33.01	9.136		
9,120.0	9,010.9	9,116.1	9,083.1	24.3	27.3	172.31	-261.8	-906.2	297.4	264.3	33.07	8.992		
9,200.0	9,090.9	9,256.1	9,213.4	24.3	27.4	176.89	-219.2	-931.7	270.9	237.3	33.60	8.063		
9,215.0	9,105.9	9,272.3	9,227.6	24.3	27.4	177.82	-212.6	-936.0	264.5	230.8	33.73	7.843		
9,300.0	9,190.9	9,398.7	9,328.7	24.3	27.4	-169.66	-149.8	-977.1	221.0	185.8	35.19	6.278		
9,310.0	9,200.9	9,408.7	9,335.7	24.4	27.4	-168.08	-143.8	-980.9	215.1	179.6	35.43	6.070		
9,400.0	9,290.9	9,477.5	9,382.1	24.4	27.5	-153.56	-100.9	-1,008.1	164.3	125.6	38.74	4.242		
9,405.0	9,295.9	9,481.7	9,384.8	24.4	27.5	-152.43	-98.2	-1,009.8	161.8	122.8	39.03	4.146		
9,500.0	9,390.9	9,554.0	9,428.5	24.4	27.5	-128.35	-48.9	-1,039.5	124.1	77.5	46.60	2.663		
9,544.7	9,435.6	9,582.1	9,443.2	24.4	27.6	-116.90	-27.7	-1,050.7	118.5	68.7	49.77	2.381 SF		
9,595.0	9,485.9	9,607.9	9,455.3	24.5	27.6	-105.98	-7.2	-1,060.7	126.2	75.9	50.25	2.511		
9,600.0	9,490.9	9,610.1	9,456.3	24.5	27.6	-105.03	-5.4	-1,061.5	127.8	77.7	50.11	2.550		
9,690.0	9,580.9	9,646.5	9,471.4	24.5	27.6	-90.45	24.8	-1,075.1	175.0	129.2	45.76	3.824		
9,700.0	9,590.9	9,650.3	9,472.9	24.5	27.6	-89.07	28.0	-1,076.5	181.8	136.5	45.29	4.015		
9,785.0	9,675.9	9,679.6	9,484.2	24.5	27.7	-79.26	52.8	-1,087.1	246.2	204.0	42.25	5.828		
9,800.0	9,690.9	9,684.3	9,486.0	24.5	27.7	-77.86	56.8	-1,088.8	258.5	216.6	41.88	6.171		
9,880.0	9,770.9	9,710.0	9,495.0	24.6	27.7	-70.76	79.2	-1,097.8	326.4	286.0	40.46	8.068		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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: Reference		112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR						Rule Assigned:		Offset Well Error: 3.0 usft				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,900.0	9,790.9	9,710.0	9,495.0	24.6	27.7	-70.76	79.2	-1,097.8	344.0	303.7	40.27	8.542		
9,975.0	9,865.9	9,727.5	9,500.6	24.6	27.7	-66.56	94.6	-1,103.7	411.1	371.4	39.65	10.367		
10,000.0	9,890.9	9,732.2	9,502.0	24.6	27.7	-65.50	98.9	-1,105.3	433.8	394.3	39.52	10.978		
10,070.0	9,960.9	9,744.3	9,505.5	24.6	27.7	-62.94	109.8	-1,109.3	498.4	458.9	39.47	12.625		
10,079.1	9,970.0	9,745.8	9,505.9	24.6	27.7	-62.65	111.1	-1,109.8	506.9	467.4	39.48	12.839		
10,100.0	9,990.9	9,757.0	9,508.9	24.7	27.8	-56.08	121.2	-1,113.4	526.4	487.0	39.40	13.360		
10,150.0	10,040.7	9,757.0	9,508.9	24.7	27.8	-46.94	121.2	-1,113.4	572.3	532.9	39.41	14.524		
10,165.0	10,055.6	9,757.0	9,508.9	24.7	27.8	-44.52	121.2	-1,113.4	586.0	546.6	39.42	14.866		
10,200.0	10,090.0	9,769.6	9,512.1	24.7	27.8	-38.69	132.7	-1,117.4	617.6	578.2	39.44	15.660		
10,250.0	10,138.4	9,781.7	9,514.9	24.7	27.8	-32.68	143.9	-1,121.3	661.8	622.2	39.53	16.739		
10,260.0	10,147.9	9,784.3	9,515.5	24.7	27.8	-31.68	146.3	-1,122.1	670.4	630.9	39.56	16.948		
10,300.0	10,185.5	9,805.0	9,519.7	24.7	27.8	-28.06	165.4	-1,128.6	704.7	665.0	39.64	17.777		
10,350.0	10,230.9	9,805.0	9,519.7	24.7	27.8	-24.85	165.4	-1,128.6	745.8	706.0	39.85	18.717		
10,355.0	10,235.4	9,805.0	9,519.7	24.7	27.8	-24.56	165.4	-1,128.6	749.9	710.0	39.87	18.809		
10,400.0	10,274.4	9,827.1	9,523.7	24.7	27.9	-22.26	186.1	-1,135.6	785.2	745.2	40.03	19.617		
10,450.0	10,315.6	9,852.0	9,527.5	24.7	27.9	-20.32	209.4	-1,143.2	822.7	782.4	40.23	20.450		
10,500.0	10,354.1	9,872.4	9,530.4	24.7	27.9	-18.82	228.6	-1,149.4	857.8	817.3	40.46	21.200		
10,545.0	10,386.3	9,901.9	9,534.3	24.7	28.0	-17.85	256.5	-1,158.1	887.0	846.3	40.67	21.812		
10,550.0	10,389.7	9,905.6	9,534.7	24.7	28.0	-17.76	260.1	-1,159.2	890.1	849.4	40.69	21.876		
10,600.0	10,422.1	9,944.1	9,539.7	24.8	28.0	-17.06	296.5	-1,170.5	919.3	878.4	40.94	22.458		
10,640.0	10,445.5	9,965.8	9,542.3	24.8	28.1	-16.55	317.2	-1,176.6	940.5	899.3	41.16	22.850		
10,650.0	10,451.0	9,971.0	9,542.8	24.8	28.1	-16.43	322.2	-1,178.0	945.5	904.3	41.22	22.940		
10,700.0	10,476.3	9,997.9	9,545.2	24.8	28.1	-15.90	348.3	-1,184.3	968.8	927.3	41.50	23.348		
10,735.0	10,491.8	10,025.0	9,546.7	24.8	28.2	-15.60	374.8	-1,189.5	983.4	941.8	41.67	23.600		
10,750.0	10,497.8	10,026.3	9,546.8	24.8	28.2	-15.44	376.1	-1,189.7	989.2	947.4	41.77	23.682		
10,800.0	10,515.2	10,080.9	9,549.2	24.9	28.3	-15.21	429.9	-1,198.3	1,005.9	963.9	42.00	23.947		
10,830.0	10,523.7	10,114.5	9,550.8	24.9	28.3	-15.15	463.1	-1,203.2	1,013.8	971.6	42.15	24.054		
10,850.0	10,528.5	10,120.0	9,551.1	24.9	28.4	-15.05	468.6	-1,204.0	1,018.3	976.0	42.28	24.084		
10,900.0	10,537.5	10,164.8	9,552.8	25.0	28.4	-15.06	512.8	-1,210.1	1,026.9	984.3	42.57	24.123		
10,925.0	10,540.4	10,182.1	9,553.3	25.0	28.5	-15.08	530.0	-1,212.5	1,030.0	987.2	42.73	24.105		
10,950.0	10,542.3	10,199.4	9,553.6	25.0	28.5	-15.13	547.2	-1,214.8	1,032.2	989.3	42.89	24.066		
10,976.7	10,543.0	10,215.0	9,553.7	25.1	28.5	-15.20	562.6	-1,216.9	1,033.5	990.5	43.05	24.009		
11,000.0	10,543.1	10,239.2	9,553.9	25.1	28.6	-15.38	586.6	-1,220.2	1,034.3	991.2	43.17	23.958		
11,020.0	10,543.2	10,256.9	9,553.9	25.1	28.6	-15.50	604.1	-1,222.6	1,035.1	991.8	43.29	23.910		
11,100.0	10,543.5	10,328.7	9,553.8	25.3	28.8	-16.01	675.3	-1,232.5	1,038.5	994.7	43.76	23.729		
11,115.0	10,543.6	10,343.1	9,553.7	25.3	28.8	-16.11	689.5	-1,234.4	1,039.2	995.3	43.86	23.695		
11,200.0	10,543.9	10,428.7	9,552.7	25.5	29.0	-16.61	774.5	-1,244.5	1,043.3	998.9	44.37	23.515		
11,210.0	10,544.0	10,440.3	9,552.5	25.5	29.0	-16.67	786.1	-1,245.6	1,043.7	999.3	44.43	23.494		
11,300.0	10,544.4	10,546.6	9,550.8	25.7	29.3	-16.98	892.1	-1,252.5	1,047.2	1,002.2	44.93	23.307		
11,305.0	10,544.4	10,552.6	9,550.7	25.7	29.3	-16.99	898.1	-1,252.7	1,047.3	1,002.3	44.96	23.296		
11,400.0	10,544.8	10,652.1	9,548.9	25.9	29.6	-17.01	997.6	-1,253.9	1,049.6	1,004.1	45.51	23.061		
11,495.0	10,545.2	10,789.6	9,548.1	26.1	29.9	-17.01	1,135.1	-1,254.6	1,050.9	1,004.9	46.00	22.843		
11,500.0	10,545.2	10,798.6	9,548.3	26.1	29.9	-17.01	1,144.0	-1,254.5	1,050.8	1,004.8	46.02	22.832		
11,590.0	10,545.6	10,880.0	9,549.8	26.4	30.2	-17.05	1,225.4	-1,255.1	1,049.6	1,003.0	46.68	22.484		
11,600.0	10,545.6	10,890.3	9,550.0	26.4	30.2	-17.06	1,235.8	-1,255.3	1,049.5	1,002.8	46.76	22.447		
11,685.0	10,546.0	10,974.0	9,551.8	26.6	30.4	-17.16	1,319.4	-1,256.9	1,048.6	1,001.2	47.40	22.122		
11,700.0	10,546.0	10,986.7	9,552.1	26.7	30.5	-17.18	1,332.1	-1,257.2	1,048.4	1,000.9	47.52	22.063		
11,752.7	10,546.3	11,030.6	9,552.7	26.9	30.6	-17.23	1,376.0	-1,258.2	1,048.2	1,000.2	47.96	21.856		
11,780.0	10,546.4	11,053.3	9,553.0	26.9	30.7	-17.27	1,398.7	-1,258.8	1,048.2	1,000.1	48.19	21.754		
11,800.0	10,546.5	11,070.3	9,553.1	27.0	30.8	-17.29	1,415.6	-1,259.4	1,048.4	1,000.0	48.35	21.682		
11,875.0	10,546.8	11,150.0	9,553.5	27.2	31.0	-17.39	1,495.4	-1,261.3	1,048.7	999.8	48.96	21.419		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Rule Assigned:		Distance		Minimum Separation		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,900.0	10,546.9	11,174.8	9,553.7	27.3	31.1	-17.41	1,520.2	-1,261.7	1,048.8	999.6	49.17	21.330	
11,970.0	10,547.2	11,238.7	9,554.3	27.6	31.3	-17.53	1,584.0	-1,264.0	1,049.2	999.4	49.79	21.071	
12,000.0	10,547.3	11,268.3	9,554.6	27.7	31.4	-17.62	1,613.5	-1,265.8	1,049.5	999.5	50.06	20.964	
12,065.0	10,547.6	11,347.4	9,555.1	27.9	31.7	-17.67	1,692.6	-1,266.9	1,049.7	999.1	50.61	20.740	
12,100.0	10,547.7	11,383.5	9,555.0	28.0	31.9	-17.61	1,728.7	-1,265.8	1,049.5	998.6	50.91	20.615	
12,160.0	10,548.0	11,443.4	9,554.7	28.2	32.1	-17.45	1,788.5	-1,263.2	1,049.2	997.8	51.43	20.399	
12,200.0	10,548.1	11,480.3	9,554.4	28.4	32.2	-17.34	1,825.4	-1,261.2	1,049.0	997.3	51.79	20.256	
12,223.7	10,548.2	11,501.9	9,554.1	28.5	32.3	-17.27	1,847.0	-1,260.1	1,049.0	997.0	52.01	20.171	
12,255.0	10,548.4	11,530.5	9,553.7	28.6	32.4	-17.18	1,875.5	-1,258.5	1,049.1	996.8	52.29	20.062	
12,300.0	10,548.5	11,569.6	9,552.9	28.8	32.6	-17.05	1,914.6	-1,256.3	1,049.3	996.6	52.71	19.909	
12,350.0	10,548.8	11,612.3	9,551.9	29.0	32.7	-16.91	1,957.2	-1,254.1	1,049.9	996.7	53.18	19.742	
12,400.0	10,549.0	11,657.2	9,550.6	29.2	32.9	-16.78	2,002.0	-1,252.2	1,050.8	997.2	53.65	19.586	
12,445.0	10,549.2	11,700.4	9,549.2	29.4	33.1	-16.64	2,045.2	-1,250.1	1,051.8	997.7	54.08	19.448	
12,500.0	10,549.4	11,792.0	9,548.4	29.6	33.5	-16.40	2,136.6	-1,246.0	1,051.6	997.0	54.55	19.277	
12,540.0	10,549.6	11,880.4	9,551.2	29.8	33.8	-16.26	2,224.8	-1,242.7	1,049.9	995.1	54.83	19.148	
12,600.0	10,549.8	11,951.5	9,555.3	30.0	34.1	-16.14	2,295.8	-1,239.6	1,046.0	990.6	55.41	18.878	
12,635.0	10,550.0	11,990.8	9,557.8	30.2	34.3	-16.07	2,335.0	-1,237.7	1,043.5	987.8	55.76	18.716	
12,700.0	10,550.2	12,060.7	9,562.7	30.5	34.6	-15.96	2,404.6	-1,234.3	1,038.6	982.2	56.42	18.408	
12,730.0	10,550.4	12,092.2	9,565.0	30.6	34.8	-15.91	2,436.0	-1,232.9	1,036.2	979.5	56.73	18.264	
12,800.0	10,550.6	12,148.7	9,569.0	30.9	35.1	-15.84	2,492.3	-1,230.6	1,030.9	973.4	57.53	17.920	
12,825.0	10,550.7	12,166.8	9,570.1	31.1	35.1	-15.82	2,510.3	-1,230.0	1,029.3	971.5	57.82	17.802	
12,900.0	10,551.1	12,224.8	9,572.8	31.4	35.4	-15.75	2,568.2	-1,228.1	1,025.5	966.8	58.69	17.475	
12,920.0	10,551.1	12,242.7	9,573.5	31.5	35.5	-15.73	2,586.1	-1,227.6	1,024.7	965.8	58.91	17.393	
13,000.0	10,551.5	12,316.2	9,575.9	31.9	35.9	-15.61	2,659.5	-1,225.0	1,021.6	961.8	59.81	17.081	
13,015.0	10,551.5	12,331.6	9,576.4	32.0	35.9	-15.59	2,674.9	-1,224.4	1,021.1	961.1	59.98	17.025	
13,100.0	10,551.9	12,397.0	9,578.4	32.4	36.3	-15.46	2,740.2	-1,221.6	1,018.2	957.2	60.97	16.701	
13,110.0	10,551.9	12,397.0	9,578.4	32.4	36.3	-15.46	2,740.2	-1,221.6	1,018.1	957.0	61.09	16.664	
13,169.0	10,552.2	12,449.1	9,579.1	32.7	36.6	-15.37	2,792.3	-1,219.9	1,017.1	955.3	61.77	16.465	
13,200.0	10,552.3	12,466.9	9,579.0	32.9	36.6	-15.35	2,810.1	-1,219.7	1,017.3	955.1	62.13	16.372	
13,205.0	10,552.3	12,469.8	9,579.0	32.9	36.7	-15.35	2,813.0	-1,219.7	1,017.3	955.1	62.19	16.358	
13,300.0	10,552.7	12,534.1	9,577.0	33.4	37.0	-15.32	2,877.3	-1,219.8	1,020.4	957.1	63.28	16.124	
13,395.0	10,553.1	12,610.1	9,573.2	33.9	37.4	-15.31	2,953.1	-1,221.0	1,025.7	961.3	64.38	15.933	
13,400.0	10,553.2	12,614.9	9,572.9	33.9	37.5	-15.31	2,957.9	-1,221.1	1,026.0	961.6	64.43	15.923	
13,490.0	10,553.5	12,722.0	9,567.0	34.4	38.1	-15.31	3,064.9	-1,223.1	1,031.7	966.2	65.54	15.741	
13,500.0	10,553.6	12,742.1	9,566.2	34.5	38.2	-15.31	3,085.0	-1,223.4	1,032.1	966.5	65.68	15.716	
13,585.0	10,553.9	12,843.0	9,564.4	34.9	38.8	-15.32	3,185.8	-1,224.3	1,034.0	967.3	66.73	15.497	
13,600.0	10,554.0	12,857.6	9,564.1	35.0	38.9	-15.32	3,200.5	-1,224.4	1,034.4	967.5	66.91	15.460	
13,680.0	10,554.3	12,976.2	9,564.9	35.4	39.6	-15.50	3,318.9	-1,228.0	1,034.9	967.0	67.92	15.238	
13,700.0	10,554.4	12,992.5	9,565.3	35.5	39.7	-15.55	3,335.3	-1,228.8	1,034.7	966.5	68.17	15.177	
13,775.0	10,554.7	13,067.8	9,567.6	36.0	40.1	-15.78	3,410.4	-1,232.6	1,033.8	964.7	69.14	14.952	
13,800.0	10,554.8	13,092.9	9,568.3	36.1	40.3	-15.85	3,435.4	-1,233.9	1,033.5	964.1	69.47	14.878	
13,870.0	10,555.1	13,163.1	9,570.5	36.5	40.7	-16.06	3,505.5	-1,237.5	1,032.7	962.3	70.38	14.674	
13,900.0	10,555.3	13,193.6	9,571.4	36.7	40.9	-16.16	3,535.9	-1,239.1	1,032.3	961.6	70.77	14.587	
13,965.0	10,555.5	13,252.0	9,573.2	37.0	41.3	-16.32	3,594.3	-1,241.8	1,031.5	959.9	71.63	14.402	
14,000.0	10,555.7	13,282.5	9,573.9	37.2	41.5	-16.40	3,624.8	-1,243.2	1,031.3	959.2	72.08	14.307	
14,005.4	10,555.7	13,286.4	9,574.0	37.3	41.5	-16.41	3,628.6	-1,243.3	1,031.3	959.1	72.16	14.293	
14,060.0	10,555.9	13,325.7	9,574.3	37.6	41.8	-16.48	3,667.9	-1,244.7	1,031.7	958.8	72.87	14.159	
14,100.0	10,556.1	13,357.5	9,574.0	37.8	42.0	-16.52	3,699.6	-1,245.7	1,032.5	959.1	73.38	14.071	
14,155.0	10,556.3	13,412.6	9,573.3	38.1	42.3	-16.59	3,754.7	-1,247.3	1,033.8	959.7	74.10	13.951	
14,200.0	10,556.5	13,456.4	9,572.8	38.4	42.6	-16.63	3,798.5	-1,248.4	1,034.8	960.1	74.69	13.855	
14,250.0	10,556.7	13,502.4	9,572.0	38.7	42.9	-16.67	3,844.5	-1,249.4	1,036.1	960.7	75.34	13.752	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Rule Assigned:		Distance		Minimum Separation		Separation Factor		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.0	10,556.9	13,549.7	9,571.1	39.0	43.2	-16.70	3,891.8	-1,250.5	1,037.6	961.6	75.99	13.654		
14,345.0	10,557.1	13,596.1	9,570.1	39.2	43.5	-16.73	3,938.2	-1,251.5	1,038.9	962.3	76.59	13.565		
14,400.0	10,557.4	13,650.8	9,569.0	39.6	43.9	-16.76	3,992.8	-1,252.7	1,040.5	963.1	77.31	13.458		
14,440.0	10,557.5	13,688.1	9,568.2	39.8	44.2	-16.79	4,030.1	-1,253.6	1,041.7	963.8	77.84	13.382		
14,500.0	10,557.8	13,746.5	9,566.9	40.2	44.6	-16.85	4,088.5	-1,255.2	1,043.7	965.0	78.64	13.272		
14,535.0	10,557.9	13,783.6	9,566.1	40.4	44.8	-16.88	4,125.6	-1,256.2	1,044.8	965.7	79.11	13.206		
14,600.0	10,558.2	13,857.3	9,564.7	40.8	45.3	-16.94	4,199.2	-1,258.0	1,046.7	966.7	80.00	13.083		
14,630.0	10,558.3	13,893.9	9,564.4	41.0	45.6	-16.98	4,235.8	-1,258.9	1,047.3	966.8	80.41	13.023		
14,700.0	10,558.6	13,975.2	9,564.4	41.4	46.1	-17.07	4,317.1	-1,261.0	1,048.0	966.6	81.37	12.879		
14,725.0	10,558.7	14,003.7	9,564.6	41.5	46.3	-17.11	4,345.6	-1,261.7	1,048.1	966.4	81.72	12.826		
14,800.0	10,559.0	14,088.9	9,565.6	42.0	46.9	-17.19	4,430.7	-1,263.3	1,047.9	965.2	82.74	12.666		
14,820.0	10,559.1	14,112.3	9,565.9	42.1	47.1	-17.20	4,454.1	-1,263.5	1,047.8	964.8	83.01	12.622		
14,900.0	10,559.4	14,214.9	9,568.6	42.6	47.8	-17.22	4,556.7	-1,263.3	1,046.0	962.0	84.07	12.442		
14,915.0	10,559.5	14,232.5	9,569.2	42.7	47.9	-17.22	4,574.4	-1,263.2	1,045.5	961.3	84.27	12.406		
15,000.0	10,559.9	14,328.2	9,574.0	43.2	48.6	-17.34	4,669.9	-1,264.3	1,042.1	956.6	85.43	12.198		
15,010.0	10,559.9	14,338.5	9,574.6	43.3	48.6	-17.36	4,680.2	-1,264.5	1,041.6	956.0	85.57	12.173		
15,100.0	10,560.3	14,430.4	9,579.8	43.9	49.3	-17.50	4,771.9	-1,265.9	1,037.4	950.6	86.81	11.950		
15,105.0	10,560.3	14,435.4	9,580.1	43.9	49.3	-17.51	4,776.9	-1,266.0	1,037.2	950.3	86.88	11.938		
15,200.0	10,560.7	14,542.3	9,586.6	44.5	50.1	-17.69	4,883.6	-1,267.7	1,032.5	944.3	88.18	11.709		
15,295.0	10,561.1	14,627.2	9,592.8	45.1	50.7	-17.87	4,968.3	-1,269.3	1,026.8	937.3	89.55	11.467		
15,300.0	10,561.1	14,630.8	9,593.0	45.1	50.7	-17.87	4,971.8	-1,269.3	1,026.6	937.0	89.62	11.454		
15,390.0	10,561.5	14,697.2	9,596.0	45.7	51.2	-17.97	5,038.2	-1,270.4	1,023.4	932.5	90.95	11.253		
15,400.0	10,561.5	14,705.3	9,596.3	45.8	51.3	-17.98	5,046.2	-1,270.5	1,023.2	932.1	91.09	11.233		
15,485.0	10,561.9	14,771.0	9,597.9	46.3	51.7	-18.06	5,111.9	-1,271.7	1,022.0	929.7	92.30	11.072		
15,488.8	10,561.9	14,771.0	9,597.9	46.4	51.7	-18.06	5,111.9	-1,271.7	1,022.0	929.6	92.36	11.065		
15,500.0	10,562.0	14,771.0	9,597.9	46.4	51.7	-18.06	5,111.9	-1,271.7	1,022.0	929.5	92.51	11.048		
15,580.0	10,562.3	14,836.4	9,597.9	46.9	52.2	-18.11	5,177.3	-1,272.9	1,022.9	929.3	93.62	10.927		
15,600.0	10,562.4	14,849.6	9,597.6	47.1	52.3	-18.12	5,190.5	-1,273.1	1,023.5	929.6	93.88	10.902		
15,675.0	10,562.7	14,918.3	9,595.4	47.6	52.8	-18.11	5,259.1	-1,274.0	1,026.3	931.4	94.92	10.813		
15,700.0	10,562.8	14,944.2	9,594.5	47.7	53.0	-18.10	5,285.1	-1,274.2	1,027.3	932.0	95.27	10.782		
15,770.0	10,563.1	15,017.5	9,592.2	48.2	53.6	-18.08	5,358.4	-1,274.8	1,029.7	933.5	96.26	10.697		
15,800.0	10,563.2	15,049.1	9,591.4	48.4	53.8	-18.09	5,389.8	-1,275.2	1,030.7	934.0	96.69	10.660		
15,865.0	10,563.5	15,108.6	9,589.8	48.8	54.2	-18.10	5,449.3	-1,276.3	1,033.0	935.4	97.60	10.584		
15,900.0	10,563.6	15,140.1	9,588.8	49.0	54.5	-18.11	5,480.8	-1,276.8	1,034.3	936.3	98.08	10.546		
15,960.0	10,563.9	15,192.1	9,586.8	49.4	54.9	-18.12	5,532.8	-1,277.8	1,037.0	938.1	98.91	10.485		
16,000.0	10,564.1	15,230.3	9,585.2	49.7	55.1	-18.11	5,570.9	-1,278.4	1,039.0	939.6	99.46	10.446		
16,055.0	10,564.3	15,282.1	9,582.7	50.1	55.5	-18.09	5,622.7	-1,278.9	1,041.9	941.6	100.23	10.395		
16,100.0	10,564.5	15,321.1	9,580.7	50.4	55.8	-18.08	5,661.6	-1,279.4	1,044.4	943.5	100.84	10.357		
16,150.0	10,564.7	15,370.0	9,578.0	50.7	56.2	-18.06	5,710.5	-1,280.3	1,047.5	946.0	101.55	10.316		
16,200.0	10,564.9	15,444.8	9,574.6	51.0	56.8	-18.06	5,785.2	-1,281.5	1,050.1	947.8	102.36	10.259		
16,245.0	10,565.1	15,559.0	9,574.4	51.3	57.6	-18.03	5,899.3	-1,281.4	1,050.5	947.4	103.04	10.194		
16,300.0	10,565.3	15,622.3	9,576.4	51.7	58.1	-17.98	5,962.6	-1,279.9	1,048.6	944.8	103.81	10.101		
16,340.0	10,565.5	15,669.1	9,578.1	52.0	58.5	-17.92	6,009.3	-1,278.5	1,047.0	942.6	104.36	10.032		
16,400.0	10,565.7	15,742.1	9,581.1	52.4	59.0	-17.79	6,082.2	-1,275.2	1,044.0	938.8	105.16	9.927		
16,435.0	10,565.9	15,777.2	9,582.7	52.6	59.3	-17.71	6,117.2	-1,273.2	1,042.0	936.3	105.66	9.862		
16,500.0	10,566.2	15,839.3	9,585.4	53.0	59.7	-17.56	6,179.1	-1,269.8	1,038.4	931.8	106.60	9.741		
16,530.0	10,566.3	15,869.9	9,586.8	53.3	60.0	-17.49	6,209.6	-1,268.1	1,036.8	929.7	107.02	9.687		
16,600.0	10,566.6	15,942.8	9,590.0	53.7	60.5	-17.32	6,282.4	-1,264.1	1,032.9	924.9	108.01	9.563		
16,625.0	10,566.7	15,972.6	9,591.5	53.9	60.7	-17.26	6,312.1	-1,262.5	1,031.4	923.0	108.34	9.520		
16,700.0	10,567.0	16,050.2	9,595.9	54.4	61.3	-17.10	6,389.5	-1,258.4	1,026.4	917.0	109.40	9.382		
16,720.0	10,567.1	16,064.7	9,596.7	54.5	61.4	-17.08	6,403.9	-1,257.9	1,025.1	915.4	109.72	9.343		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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: Reference		112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR						Rule Assigned:					Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
16,800.0	10,567.4	16,127.0	9,599.7	55.1	61.9	-17.05	6,466.2	-1,256.6	1,021.2	910.3	110.95	9.205		
16,815.0	10,567.5	16,136.1	9,600.1	55.2	62.0	-17.05	6,475.3	-1,256.6	1,020.7	909.5	111.18	9.180		
16,900.0	10,567.8	16,220.3	9,603.5	55.8	62.6	-17.08	6,559.4	-1,256.4	1,017.6	905.2	112.43	9.051		
16,910.0	10,567.9	16,222.0	9,603.6	55.8	62.6	-17.09	6,561.1	-1,256.4	1,017.3	904.7	112.59	9.035		
17,000.0	10,568.3	16,295.8	9,605.9	56.5	63.2	-17.15	6,634.9	-1,257.2	1,015.2	901.3	113.93	8.911		
17,005.0	10,568.3	16,299.6	9,606.0	56.5	63.2	-17.16	6,638.6	-1,257.3	1,015.2	901.2	114.01	8.904		
17,094.8	10,568.7	16,379.0	9,607.3	57.1	63.8	-17.30	6,717.9	-1,259.8	1,014.8	899.5	115.34	8.799		
17,100.0	10,568.7	16,383.7	9,607.4	57.1	63.9	-17.31	6,722.7	-1,260.0	1,014.8	899.4	115.41	8.793		
17,195.0	10,569.1	16,452.1	9,608.1	57.8	64.4	-17.50	6,791.0	-1,263.4	1,015.8	899.1	116.77	8.699		
17,200.0	10,569.1	16,455.2	9,608.0	57.8	64.4	-17.50	6,794.1	-1,263.6	1,016.0	899.1	116.84	8.695		
17,290.0	10,569.5	16,513.5	9,606.7	58.4	64.9	-17.69	6,852.2	-1,267.6	1,020.0	902.0	118.02	8.643		
17,300.0	10,569.5	16,522.6	9,606.4	58.5	65.0	-17.72	6,861.3	-1,268.3	1,020.6	902.5	118.17	8.637		
17,385.0	10,569.9	16,602.0	9,603.3	59.1	65.6	-17.98	6,940.4	-1,274.4	1,026.1	906.7	119.41	8.593		
17,400.0	10,569.9	16,613.9	9,602.8	59.2	65.7	-18.02	6,952.2	-1,275.4	1,027.1	907.5	119.61	8.587		
17,480.0	10,570.3	16,688.7	9,599.4	59.8	66.3	-18.26	7,026.8	-1,281.4	1,032.9	912.1	120.77	8.552		
17,500.0	10,570.4	16,706.6	9,598.6	59.9	66.5	-18.32	7,044.5	-1,282.8	1,034.3	913.3	121.06	8.544		
17,575.0	10,570.7	16,771.0	9,595.1	60.4	67.0	-18.53	7,108.6	-1,288.1	1,040.4	918.3	122.09	8.522		
17,600.0	10,570.8	16,792.9	9,593.7	60.6	67.2	-18.59	7,130.4	-1,289.9	1,042.6	920.2	122.44	8.515		
17,670.0	10,571.1	16,907.9	9,588.5	61.1	68.1	-18.81	7,245.1	-1,296.2	1,046.9	923.1	123.83	8.455		
17,700.0	10,571.2	16,938.8	9,587.5	61.3	68.3	-18.84	7,276.0	-1,297.2	1,048.3	924.0	124.28	8.435		
17,765.0	10,571.5	17,016.3	9,585.0	61.8	68.9	-18.89	7,353.4	-1,299.2	1,051.0	925.7	125.30	8.388		
17,800.0	10,571.6	17,068.4	9,584.2	62.0	69.4	-18.92	7,405.5	-1,300.4	1,051.9	926.0	125.88	8.357		
17,860.0	10,571.9	17,129.6	9,584.0	62.4	69.9	-18.99	7,466.6	-1,301.9	1,052.8	926.0	126.77	8.304		
17,900.0	10,572.0	17,168.4	9,583.8	62.7	70.2	-19.03	7,505.4	-1,303.0	1,053.4	926.1	127.37	8.271		
17,955.0	10,572.3	17,221.4	9,583.6	63.1	70.6	-19.11	7,558.4	-1,304.7	1,054.4	926.2	128.19	8.225		
18,000.0	10,572.4	17,264.7	9,583.4	63.4	70.9	-19.17	7,601.8	-1,306.1	1,055.3	926.4	128.86	8.189		
18,050.0	10,572.7	17,311.1	9,583.1	63.8	71.3	-19.24	7,648.1	-1,307.9	1,056.4	926.8	129.60	8.151		
18,100.0	10,572.9	17,357.4	9,582.7	64.1	71.7	-19.33	7,694.3	-1,309.9	1,057.7	927.3	130.34	8.114		
18,145.0	10,573.1	17,417.2	9,582.5	64.4	72.2	-19.45	7,754.1	-1,312.5	1,058.6	927.6	131.07	8.077		
18,200.0	10,573.3	17,485.0	9,583.2	64.8	72.7	-19.57	7,821.8	-1,314.8	1,058.9	927.0	131.92	8.027		
18,240.0	10,573.5	17,527.8	9,583.7	65.1	73.1	-19.62	7,864.6	-1,315.8	1,058.9	926.4	132.52	7.990		
18,300.0	10,573.7	17,588.4	9,584.4	65.5	73.5	-19.68	7,925.2	-1,316.9	1,058.8	925.3	133.42	7.935		
18,335.0	10,573.9	17,622.5	9,584.9	65.8	73.8	-19.72	7,959.3	-1,317.6	1,058.7	924.8	133.95	7.904		
18,378.5	10,574.0	17,664.8	9,585.4	66.1	74.2	-19.78	8,001.6	-1,318.7	1,058.7	924.1	134.61	7.865		
18,400.0	10,574.1	17,685.8	9,585.7	66.2	74.3	-19.81	8,022.5	-1,319.3	1,058.7	923.8	134.93	7.846		
18,430.0	10,574.3	17,715.0	9,586.1	66.4	74.6	-19.86	8,051.7	-1,320.1	1,058.7	923.3	135.39	7.820		
18,500.0	10,574.5	17,792.9	9,587.4	66.9	75.2	-20.01	8,129.6	-1,322.9	1,058.7	922.2	136.45	7.759		
18,525.0	10,574.6	17,823.2	9,588.3	67.1	75.4	-20.09	8,159.8	-1,324.2	1,058.5	921.6	136.83	7.736		
18,600.0	10,575.0	17,901.6	9,590.6	67.6	76.1	-20.25	8,238.2	-1,326.8	1,057.5	919.5	137.97	7.664		
18,620.0	10,575.0	17,922.0	9,591.1	67.8	76.2	-20.26	8,258.5	-1,327.0	1,057.2	918.9	138.27	7.646		
18,700.0	10,575.4	18,021.0	9,593.5	68.4	77.0	-20.24	8,357.6	-1,326.0	1,055.4	915.9	139.43	7.569		
18,715.0	10,575.4	18,037.4	9,594.0	68.5	77.2	-20.23	8,373.9	-1,325.7	1,054.8	915.2	139.65	7.554		
18,800.0	10,575.8	18,125.2	9,596.8	69.1	77.9	-20.16	8,461.6	-1,323.6	1,051.8	910.9	140.90	7.465		
18,810.0	10,575.8	18,135.8	9,597.2	69.1	77.9	-20.15	8,472.3	-1,323.3	1,051.5	910.4	141.05	7.455		
18,900.0	10,576.2	18,227.8	9,600.4	69.8	78.7	-20.05	8,564.1	-1,320.6	1,047.9	905.5	142.39	7.360		
18,905.0	10,576.2	18,231.8	9,600.5	69.8	78.7	-20.05	8,568.1	-1,320.4	1,047.7	905.2	142.46	7.354		
19,000.0	10,576.6	18,311.0	9,601.8	70.5	79.3	-19.85	8,647.2	-1,316.3	1,044.9	901.0	143.92	7.260		
19,095.0	10,577.0	18,389.1	9,601.0	71.2	80.0	-19.51	8,725.1	-1,310.4	1,043.6	898.3	145.34	7.181		
19,100.0	10,577.1	18,393.4	9,600.9	71.2	80.0	-19.49	8,729.3	-1,310.0	1,043.6	898.2	145.41	7.177		
19,190.0	10,577.4	18,517.6	9,601.0	71.8	81.0	-19.01	8,853.2	-1,301.1	1,041.7	895.0	146.65	7.103		
19,200.0	10,577.5	18,528.0	9,601.3	71.9	81.1	-18.98	8,863.5	-1,300.5	1,041.3	894.5	146.79	7.094		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Rule Assigned:		Distance		Minimum Separation		Separation Factor		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,285.0	10,577.8	18,615.2	9,603.7	72.5	81.7	-18.75	8,950.6	-1,295.7	1,037.9	889.8	148.04	7.011	
19,300.0	10,577.9	18,630.3	9,604.1	72.6	81.9	-18.71	8,965.6	-1,294.8	1,037.3	889.0	148.27	6.996	
19,380.0	10,578.2	18,711.6	9,606.2	73.2	82.5	-18.48	9,046.8	-1,289.9	1,034.0	884.5	149.44	6.919	
19,400.0	10,578.3	18,732.8	9,606.8	73.4	82.7	-18.41	9,068.0	-1,288.5	1,033.1	883.4	149.73	6.900	
19,475.0	10,578.6	18,811.4	9,609.2	73.9	83.3	-18.18	9,146.3	-1,283.5	1,029.7	878.9	150.83	6.827	
19,500.0	10,578.7	18,837.0	9,610.0	74.1	83.5	-18.10	9,171.9	-1,281.9	1,028.5	877.3	151.19	6.803	
19,570.0	10,579.0	18,906.2	9,612.3	74.6	84.1	-17.89	9,240.9	-1,277.5	1,025.2	872.9	152.24	6.734	
19,600.0	10,579.2	18,934.1	9,613.2	74.8	84.3	-17.81	9,268.7	-1,275.7	1,023.8	871.1	152.69	6.705	
19,665.0	10,579.4	18,996.7	9,614.9	75.3	84.8	-17.61	9,331.2	-1,271.7	1,021.0	867.4	153.67	6.644	
19,700.0	10,579.6	19,033.1	9,615.9	75.5	85.1	-17.50	9,367.5	-1,269.3	1,019.5	865.4	154.18	6.613	
19,760.0	10,579.8	19,068.0	9,617.0	75.9	85.3	-17.39	9,402.3	-1,267.1	1,017.2	862.0	155.16	6.556	
19,800.0	10,580.0	19,109.8	9,617.8	76.2	85.7	-17.26	9,444.0	-1,264.6	1,015.9	860.1	155.75	6.523	
19,855.0	10,580.2	19,144.4	9,617.7	76.6	86.0	-17.15	9,478.5	-1,262.8	1,015.3	858.7	156.57	6.484	
19,856.2	10,580.2	19,145.1	9,617.7	76.6	86.0	-17.15	9,479.3	-1,262.7	1,015.3	858.7	156.59	6.484	
19,900.0	10,580.4	19,177.8	9,617.1	77.0	86.2	-17.06	9,512.0	-1,261.2	1,015.6	858.4	157.22	6.460	
19,950.0	10,580.6	19,226.0	9,616.0	77.3	86.6	-16.92	9,560.1	-1,259.2	1,016.2	858.2	157.96	6.433	
20,000.0	10,580.8	19,274.2	9,614.9	77.7	87.0	-16.79	9,608.3	-1,257.3	1,016.9	858.2	158.70	6.408	
20,045.0	10,581.0	19,317.8	9,614.0	78.0	87.4	-16.69	9,651.8	-1,255.8	1,017.6	858.2	159.37	6.385	
20,100.0	10,581.3	19,370.5	9,612.7	78.4	87.8	-16.57	9,704.5	-1,254.2	1,018.5	858.3	160.18	6.358	
20,140.0	10,581.4	19,408.1	9,611.7	78.7	88.1	-16.48	9,742.0	-1,252.9	1,019.3	858.5	160.77	6.340	
20,200.0	10,581.7	19,462.9	9,609.9	79.1	88.6	-16.32	9,796.8	-1,250.5	1,020.7	859.0	161.64	6.314	
20,235.0	10,581.8	19,493.1	9,608.8	79.4	88.8	-16.22	9,826.9	-1,249.3	1,021.7	859.5	162.14	6.301	
20,300.0	10,582.1	19,550.6	9,606.3	79.9	89.3	-16.06	9,884.3	-1,247.1	1,023.9	860.9	163.06	6.280	
20,330.0	10,582.2	19,581.0	9,604.9	80.1	89.5	-15.97	9,914.7	-1,246.0	1,025.1	861.5	163.51	6.269	
20,400.0	10,582.5	19,665.6	9,601.4	80.6	90.2	-15.76	9,999.1	-1,243.3	1,027.5	862.9	164.63	6.241	
20,425.0	10,582.6	19,711.2	9,601.0	80.8	90.6	-15.76	10,044.7	-1,243.5	1,027.9	862.8	165.08	6.227	
20,500.0	10,582.9	19,839.0	9,605.3	81.3	91.6	-15.97	10,172.4	-1,246.6	1,026.2	860.0	166.15	6.176	
20,520.0	10,583.0	19,860.5	9,606.5	81.5	91.8	-15.99	10,193.9	-1,246.7	1,025.2	858.8	166.45	6.160	
20,600.0	10,583.3	19,945.6	9,611.7	82.0	92.5	-16.05	10,278.8	-1,246.7	1,020.7	853.1	167.64	6.089	
20,615.0	10,583.4	19,957.5	9,612.4	82.1	92.6	-16.06	10,290.6	-1,246.6	1,019.9	852.0	167.89	6.075	
20,700.0	10,583.8	20,027.0	9,615.7	82.8	93.2	-16.10	10,360.1	-1,246.6	1,016.3	847.0	169.26	6.004	
20,710.0	10,583.8	20,036.7	9,616.1	82.8	93.3	-16.10	10,369.8	-1,246.6	1,015.9	846.5	169.42	5.997	
20,800.0	10,584.2	20,107.0	9,618.9	83.5	93.8	-16.13	10,440.0	-1,246.5	1,012.9	842.1	170.84	5.929	
20,805.0	10,584.2	20,122.7	9,619.5	83.5	94.0	-16.13	10,455.8	-1,246.4	1,012.7	841.8	170.90	5.926	
20,900.0	10,584.6	20,202.0	9,620.8	84.2	94.6	-16.17	10,535.0	-1,247.0	1,011.6	839.2	172.37	5.869	
20,911.9	10,584.7	20,202.0	9,620.8	84.3	94.6	-16.17	10,535.0	-1,247.0	1,011.5	839.0	172.55	5.862	
20,995.0	10,585.0	20,269.7	9,620.6	84.9	95.2	-16.22	10,602.7	-1,248.2	1,012.4	838.6	173.78	5.826	
21,000.0	10,585.0	20,274.2	9,620.6	84.9	95.2	-16.23	10,607.2	-1,248.3	1,012.5	838.6	173.86	5.824	
21,090.0	10,585.4	20,364.3	9,619.9	85.6	96.0	-16.32	10,697.2	-1,250.6	1,014.0	838.8	175.24	5.786	
21,100.0	10,585.4	20,374.7	9,619.9	85.7	96.0	-16.34	10,707.7	-1,250.9	1,014.2	838.8	175.40	5.782	
21,185.0	10,585.8	20,456.9	9,619.5	86.3	96.7	-16.44	10,789.9	-1,253.3	1,015.5	838.8	176.69	5.747	
21,200.0	10,585.9	20,471.2	9,619.4	86.4	96.9	-16.46	10,804.1	-1,253.7	1,015.8	838.9	176.92	5.741	
21,280.0	10,586.2	20,547.2	9,618.7	87.0	97.5	-16.55	10,880.1	-1,255.8	1,017.4	839.3	178.14	5.712	
21,300.0	10,586.3	20,566.2	9,618.5	87.1	97.6	-16.58	10,899.1	-1,256.3	1,017.9	839.5	178.44	5.704	
21,375.0	10,586.6	20,635.7	9,617.4	87.7	98.2	-16.65	10,968.6	-1,258.2	1,019.9	840.3	179.56	5.680	
21,400.0	10,586.7	20,658.7	9,616.9	87.9	98.4	-16.66	10,991.6	-1,258.7	1,020.6	840.7	179.93	5.672	
21,470.0	10,587.0	20,715.9	9,615.2	88.4	98.9	-16.68	11,048.7	-1,259.6	1,023.1	842.2	180.91	5.655	
21,500.0	10,587.1	20,739.3	9,614.2	88.6	99.1	-16.66	11,072.1	-1,259.8	1,024.5	843.2	181.31	5.651	
21,565.0	10,587.4	20,802.0	9,610.8	89.1	99.6	-16.59	11,134.7	-1,259.5	1,028.1	845.8	182.27	5.640	
21,600.0	10,587.5	20,846.7	9,608.6	89.3	100.0	-16.52	11,179.3	-1,259.1	1,029.7	846.9	182.89	5.631	
21,660.0	10,587.8	20,991.6	9,609.7	89.8	101.2	-16.47	11,324.1	-1,258.3	1,028.9	844.9	183.94	5.593	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						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)	Separation (usft)	Factor	
21,700.0	10,588.0	21,030.2	9,611.2	90.1	101.5	-16.45	11,362.7	-1,257.7	1,027.3	842.7	184.56	5.566	
21,755.0	10,588.2	21,092.1	9,613.5	90.5	102.0	-16.39	11,424.6	-1,255.9	1,025.1	839.7	185.36	5.530	
21,800.0	10,588.4	21,147.8	9,616.3	90.8	102.5	-16.34	11,480.1	-1,254.5	1,022.8	836.9	185.97	5.500	
21,850.0	10,588.6	21,185.8	9,618.1	91.2	102.8	-16.31	11,518.1	-1,253.5	1,020.3	833.5	186.81	5.462	
21,900.0	10,588.8	21,224.2	9,619.4	91.5	103.1	-16.26	11,556.4	-1,252.4	1,018.4	830.8	187.63	5.428	
21,945.0	10,589.0	21,264.2	9,620.4	91.9	103.4	-16.21	11,596.5	-1,251.2	1,017.1	828.8	188.33	5.401	
22,000.0	10,589.2	21,319.6	9,621.9	92.3	103.9	-16.17	11,651.8	-1,250.2	1,015.6	826.4	189.17	5.369	
22,040.0	10,589.4	21,364.0	9,623.4	92.6	104.2	-16.17	11,696.2	-1,250.0	1,014.4	824.6	189.77	5.345	
22,100.0	10,589.6	21,422.0	9,625.9	93.0	104.7	-16.22	11,754.1	-1,250.2	1,012.2	821.5	190.70	5.308	
22,135.0	10,589.8	21,446.8	9,626.9	93.3	104.9	-16.24	11,778.9	-1,250.4	1,011.1	819.9	191.27	5.287	
22,180.4	10,590.0	21,471.4	9,627.3	93.6	105.1	-16.26	11,803.5	-1,250.7	1,010.7	818.7	191.97	5.265	
22,200.0	10,590.1	21,482.0	9,627.4	93.7	105.2	-16.26	11,814.1	-1,250.9	1,010.8	818.5	192.25	5.257	
22,230.0	10,590.2	21,516.0	9,626.8	94.0	105.5	-16.27	11,848.1	-1,251.3	1,011.5	818.8	192.72	5.249	
22,300.0	10,590.5	21,547.7	9,625.7	94.5	105.8	-16.28	11,879.8	-1,251.8	1,013.7	820.1	193.58	5.237	
22,325.0	10,590.6	21,569.0	9,624.9	94.7	106.0	-16.28	11,901.1	-1,252.2	1,014.8	820.9	193.93	5.233	
22,400.0	10,590.9	21,633.8	9,622.0	95.2	106.5	-16.29	11,965.8	-1,253.4	1,018.7	823.7	194.98	5.225	
22,420.0	10,591.0	21,651.5	9,621.2	95.4	106.6	-16.30	11,983.5	-1,253.9	1,019.8	824.6	195.26	5.223	
22,500.0	10,591.3	21,722.5	9,617.4	96.0	107.2	-16.35	12,054.3	-1,256.1	1,024.9	828.5	196.38	5.219	
22,515.0	10,591.4	21,735.8	9,616.7	96.1	107.4	-16.36	12,067.5	-1,256.6	1,025.9	829.3	196.58	5.219	
22,533.2	10,591.5	21,751.9	9,615.7	96.2	107.5	-16.38	12,083.6	-1,257.2	1,027.2	830.3	196.84	5.218	
22,600.0	10,591.7	21,810.8	9,612.1	96.7	108.0	-16.43	12,142.4	-1,259.5	1,032.1	834.4	197.75	5.219	
22,610.0	10,591.8	21,819.4	9,611.5	96.8	108.1	-16.44	12,150.9	-1,259.8	1,032.9	835.0	197.88	5.220	
22,663.2	10,592.0	21,865.0	9,608.2	97.2	108.4	-16.47	12,196.4	-1,261.6	1,037.3	838.7	198.58	5.224	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #704H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program:		100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR						Rule Assigned:					Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,300.0	9,190.9	9,950.7	9,595.2	24.3	29.6	-74.14	370.1	-2,157.2	1,318.7	1,267.2	51.51	25.602		
9,310.0	9,200.9	9,952.8	9,595.6	24.4	29.6	-74.05	372.1	-2,156.5	1,315.7	1,264.2	51.58	25.508		
9,400.0	9,290.9	9,968.5	9,598.7	24.4	29.6	-73.35	386.7	-2,151.4	1,292.6	1,240.4	52.21	24.756		
9,405.0	9,295.9	9,969.3	9,598.8	24.4	29.6	-73.32	387.3	-2,151.1	1,291.5	1,239.2	52.25	24.719		
9,500.0	9,390.9	9,981.5	9,600.9	24.4	29.6	-72.77	398.7	-2,147.2	1,273.6	1,220.8	52.79	24.124		
9,595.0	9,485.9	9,997.0	9,603.1	24.5	29.6	-72.07	413.3	-2,142.4	1,262.6	1,209.4	53.19	23.738		
9,600.0	9,490.9	9,997.0	9,603.1	24.5	29.6	-72.07	413.3	-2,142.4	1,262.2	1,209.0	53.21	23.722		
9,690.0	9,580.9	10,000.3	9,603.5	24.5	29.6	-71.92	416.4	-2,141.4	1,258.5	1,205.0	53.45	23.546		
9,697.1	9,588.0	10,001.5	9,603.6	24.5	29.6	-71.87	417.6	-2,141.0	1,258.5	1,205.0	53.46	23.541	CC	
9,700.0	9,590.9	10,002.0	9,603.7	24.5	29.6	-71.84	418.0	-2,140.9	1,258.5	1,205.0	53.46	23.539	ES, SF	
9,785.0	9,675.9	10,013.3	9,604.9	24.5	29.6	-71.33	428.7	-2,137.3	1,261.5	1,208.0	53.53	23.567		
9,800.0	9,690.9	10,014.9	9,605.0	24.5	29.6	-71.26	430.2	-2,136.9	1,262.6	1,209.1	53.53	23.588		
9,880.0	9,770.9	10,021.6	9,605.6	24.6	29.7	-70.96	436.5	-2,134.8	1,271.5	1,218.1	53.46	23.785		
9,900.0	9,790.9	10,022.9	9,605.7	24.6	29.7	-70.90	437.8	-2,134.3	1,274.5	1,221.1	53.43	23.855		
9,975.0	9,865.9	10,027.2	9,606.0	24.6	29.7	-70.70	441.9	-2,133.0	1,288.5	1,235.2	53.25	24.195		
10,000.0	9,890.9	10,028.4	9,606.0	24.6	29.7	-70.65	443.0	-2,132.6	1,294.0	1,240.9	53.18	24.334		
10,070.0	9,960.9	10,031.4	9,606.2	24.6	29.7	-70.51	445.8	-2,131.7	1,312.1	1,259.0	53.04	24.738		
10,079.1	9,970.0	10,031.7	9,606.2	24.6	29.7	-70.50	446.1	-2,131.6	1,314.7	1,261.6	53.02	24.796		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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: Distance				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	0.0	0.0	3.0	3.0	89.66	0.5	89.9	90.0						
95.0	95.0	93.0	93.0	3.0	3.0	89.66	0.5	89.9	90.0	83.9	6.05	14.871			
100.0	100.0	98.0	98.0	3.0	3.0	89.66	0.5	89.9	90.0	83.9	6.06	14.855			
190.0	190.0	188.0	188.0	3.1	3.1	89.66	0.5	89.9	90.0	83.7	6.27	14.357			
200.0	200.0	198.0	198.0	3.2	3.2	89.66	0.5	89.9	90.0	83.7	6.30	14.283			
285.0	285.0	283.0	283.0	3.3	3.3	89.66	0.5	89.9	90.0	83.5	6.50	13.849			
300.0	300.0	298.0	298.0	3.3	3.3	89.66	0.5	89.9	90.0	83.4	6.53	13.766			
380.0	380.0	378.0	378.0	3.4	3.4	89.66	0.5	89.9	90.0	83.2	6.71	13.398			
400.0	400.0	398.0	398.0	3.4	3.4	89.66	0.5	89.9	90.0	83.2	6.76	13.303			
475.0	475.0	473.0	473.0	3.5	3.5	89.66	0.5	89.9	90.0	83.0	6.92	12.990			
500.0	500.0	498.0	498.0	3.5	3.5	89.66	0.5	89.9	90.0	83.0	6.98	12.884			
570.0	570.0	568.0	568.0	3.6	3.6	89.66	0.5	89.9	90.0	82.8	7.13	12.617			
600.0	600.0	598.0	598.0	3.6	3.6	89.66	0.5	89.9	90.0	82.8	7.20	12.501			
665.0	665.0	663.0	663.0	3.7	3.7	89.66	0.5	89.9	90.0	82.6	7.33	12.274			
700.0	700.0	698.0	698.0	3.8	3.8	89.66	0.5	89.9	90.0	82.5	7.40	12.151			
760.0	760.0	758.0	758.0	3.8	3.8	89.66	0.5	89.9	90.0	82.4	7.52	11.958			
800.0	800.0	798.0	798.0	3.9	3.9	89.66	0.5	89.9	90.0	82.3	7.60	11.829			
855.0	855.0	853.0	853.0	4.0	4.0	89.66	0.5	89.9	90.0	82.2	7.71	11.665			
900.0	900.0	898.0	898.0	4.0	4.0	89.66	0.5	89.9	90.0	82.2	7.80	11.532			
950.0	950.0	948.0	948.0	4.1	4.1	89.66	0.5	89.9	90.0	82.1	7.90	11.393			
1,000.0	1,000.0	998.0	998.0	4.1	4.1	89.66	0.5	89.9	90.0	82.0	7.99	11.255			
1,045.0	1,045.0	1,043.0	1,043.0	4.2	4.2	89.66	0.5	89.9	90.0	81.9	8.08	11.139			
1,100.0	1,100.0	1,098.0	1,098.0	4.3	4.2	89.66	0.5	89.9	90.0	81.8	8.18	10.998			
1,140.0	1,140.0	1,138.0	1,138.0	4.3	4.3	89.66	0.5	89.9	90.0	81.7	8.25	10.901			
1,200.0	1,200.0	1,198.0	1,198.0	4.4	4.4	89.66	0.5	89.9	90.0	81.6	8.36	10.757			
1,235.0	1,235.0	1,233.0	1,233.0	4.4	4.4	89.66	0.5	89.9	90.0	81.5	8.42	10.678			
1,300.0	1,300.0	1,298.0	1,298.0	4.5	4.5	89.66	0.5	89.9	90.0	81.4	8.54	10.532			
1,330.0	1,330.0	1,328.0	1,328.0	4.5	4.5	89.66	0.5	89.9	90.0	81.4	8.59	10.468			
1,400.0	1,400.0	1,398.0	1,398.0	4.6	4.6	89.66	0.5	89.9	90.0	81.2	8.72	10.320			
1,425.0	1,425.0	1,423.0	1,423.0	4.6	4.6	89.66	0.5	89.9	90.0	81.2	8.76	10.270			
1,500.0	1,500.0	1,498.0	1,498.0	4.7	4.7	89.66	0.5	89.9	90.0	81.1	8.89	10.120 CC, ES			
1,520.0	1,520.0	1,517.5	1,517.5	4.7	4.7	178.09	0.5	90.0	90.1	81.1	8.96	10.052 SF			
1,600.0	1,600.0	1,594.9	1,594.9	4.8	4.8	178.06	0.6	91.5	93.3	84.1	9.26	10.073			
1,615.0	1,615.0	1,609.4	1,609.4	4.8	4.8	178.05	0.7	92.0	94.4	85.1	9.34	10.108			
1,700.0	1,699.8	1,691.1	1,691.0	5.0	5.0	177.97	1.0	96.3	103.5	93.7	9.80	10.564			
1,710.0	1,709.8	1,700.0	1,699.8	5.0	5.0	177.96	1.0	96.9	104.9	95.1	9.85	10.652			
1,800.0	1,799.5	1,785.9	1,785.5	5.2	5.2	177.85	1.6	104.2	120.5	110.1	10.35	11.637			
1,805.0	1,804.4	1,790.6	1,790.1	5.2	5.2	177.84	1.6	104.6	121.5	111.1	10.38	11.704			
1,900.0	1,898.7	1,879.0	1,877.9	5.5	5.4	177.73	2.4	114.9	144.0	133.2	10.84	13.287			
1,995.0	1,992.5	1,970.2	1,968.3	5.8	5.6	177.64	3.2	126.8	170.9	159.5	11.34	15.066			
2,000.0	1,997.5	1,974.9	1,973.0	5.9	5.6	177.64	3.3	127.4	172.4	161.0	11.37	15.160			
2,090.0	2,085.8	2,060.3	2,057.7	6.2	5.8	177.62	4.1	138.5	200.8	188.9	11.90	16.871			
2,100.0	2,095.6	2,069.8	2,067.0	6.2	5.8	177.61	4.2	139.7	204.1	192.1	11.96	17.064			
2,185.0	2,178.5	2,149.5	2,146.1	6.5	6.1	177.62	4.9	150.1	233.6	221.1	12.48	18.715			
2,200.1	2,193.1	2,163.5	2,160.0	6.6	6.1	177.62	5.1	151.9	239.1	226.5	12.58	19.011			
2,280.0	2,270.7	2,237.9	2,233.7	6.8	6.3	177.66	5.8	161.6	268.3	255.3	13.04	20.586			
2,300.0	2,290.1	2,256.5	2,252.2	6.9	6.4	177.66	6.0	164.1	275.7	262.5	13.15	20.961			
2,375.0	2,362.9	2,326.3	2,321.4	7.1	6.6	177.69	6.6	173.1	303.1	289.5	13.60	22.285			
2,400.0	2,387.1	2,349.6	2,344.4	7.2	6.7	177.70	6.9	176.2	312.3	298.5	13.75	22.704			
2,470.0	2,455.0	2,414.7	2,409.0	7.5	6.9	177.72	7.5	184.6	337.9	323.7	14.19	23.806			
2,500.0	2,484.1	2,442.6	2,436.7	7.6	7.0	177.72	7.8	188.3	348.9	334.5	14.38	24.254			

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	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	
2,565.0	2,547.2	2,503.1	2,496.7	7.8	7.2	177.74	8.3	196.2	372.7	357.9	14.81	25.167		
2,600.0	2,581.2	2,535.7	2,529.0	7.9	7.3	177.74	8.6	200.4	385.5	370.5	15.04	25.633		
2,660.0	2,639.4	2,591.5	2,584.3	8.2	7.4	177.76	9.2	207.7	407.5	392.0	15.44	26.385		
2,700.0	2,678.2	2,628.7	2,621.2	8.3	7.6	177.76	9.5	212.5	422.1	406.4	15.72	26.860		
2,755.0	2,731.6	2,679.9	2,672.0	8.5	7.7	177.77	10.0	219.2	442.2	426.2	16.10	27.476		
2,800.0	2,775.2	2,721.8	2,713.5	8.7	7.9	177.78	10.4	224.6	458.7	442.3	16.41	27.955		
2,850.0	2,823.7	2,768.3	2,759.6	8.9	8.1	177.78	10.9	230.7	477.0	460.3	16.76	28.456		
2,900.0	2,872.3	2,814.8	2,805.7	9.1	8.2	177.79	11.3	236.7	495.3	478.2	17.12	28.933		
2,945.0	2,915.9	2,856.7	2,847.3	9.3	8.4	177.79	11.7	242.2	511.8	494.4	17.45	29.338		
3,000.0	2,969.3	2,907.9	2,898.0	9.5	8.6	177.80	12.2	248.8	531.9	514.1	17.84	29.810		
3,040.0	3,008.1	2,945.1	2,934.9	9.7	8.7	177.80	12.6	253.7	546.6	528.5	18.14	30.133		
3,100.0	3,066.3	3,001.0	2,990.3	9.9	8.9	177.81	13.1	261.0	568.6	550.0	18.58	30.597		
3,135.0	3,100.3	3,033.5	3,022.6	10.1	9.0	177.81	13.4	265.2	581.4	562.5	18.84	30.852		
3,200.0	3,163.3	3,094.0	3,082.5	10.3	9.2	177.82	14.0	273.1	605.2	585.8	19.33	31.305		
3,230.0	3,192.5	3,121.9	3,110.2	10.5	9.3	177.82	14.2	276.7	616.2	596.6	19.56	31.503		
3,300.0	3,260.4	3,187.1	3,174.8	10.8	9.6	177.83	14.9	285.2	641.8	621.7	20.09	31.945		
3,325.0	3,284.6	3,210.3	3,197.8	10.9	9.7	177.83	15.1	288.2	650.9	630.7	20.28	32.095		
3,400.0	3,357.4	3,280.1	3,267.0	11.2	9.9	177.83	15.8	297.3	678.4	657.5	20.86	32.525		
3,420.0	3,376.8	3,298.7	3,285.5	11.3	10.0	177.83	15.9	299.7	685.7	664.7	21.01	32.634		
3,500.0	3,454.4	3,373.2	3,359.3	11.6	10.3	177.84	16.6	309.4	715.0	693.4	21.63	33.051		
3,515.0	3,469.0	3,387.1	3,373.1	11.7	10.4	177.84	16.8	311.2	720.5	698.7	21.75	33.125		
3,600.0	3,551.5	3,466.2	3,451.6	12.1	10.7	177.84	17.5	321.5	751.6	729.2	22.42	33.530		
3,610.0	3,561.2	3,475.6	3,460.8	12.1	10.7	177.84	17.6	322.7	755.3	732.8	22.50	33.575		
3,700.0	3,648.5	3,559.3	3,543.8	12.5	11.0	177.85	18.4	333.6	788.2	765.0	23.21	33.967		
3,705.0	3,653.3	3,564.0	3,548.4	12.5	11.0	177.85	18.5	334.2	790.1	766.8	23.25	33.988		
3,800.0	3,745.5	3,652.4	3,636.1	13.0	11.4	177.85	19.3	345.8	824.8	800.8	24.00	34.367		
3,895.0	3,837.7	3,740.8	3,723.7	13.4	11.7	177.86	20.2	357.3	859.6	834.9	24.76	34.717		
3,900.0	3,842.5	3,745.4	3,728.3	13.4	11.7	177.86	20.2	357.9	861.4	836.6	24.80	34.735		
3,990.0	3,929.9	3,829.2	3,811.4	13.8	12.1	177.86	21.0	368.8	894.4	868.9	25.53	35.040		
4,000.0	3,939.6	3,838.5	3,820.6	13.9	12.1	177.86	21.1	370.0	898.1	872.5	25.61	35.073		
4,085.0	4,022.1	3,917.6	3,899.0	14.3	12.4	177.86	21.9	380.3	929.2	902.9	26.29	35.339		
4,100.0	4,036.6	3,931.5	3,912.9	14.3	12.5	177.86	22.0	382.1	934.7	908.3	26.42	35.384		
4,180.0	4,114.2	4,006.0	3,986.7	14.7	12.8	177.87	22.7	391.8	964.0	936.9	27.07	35.616		
4,200.0	4,133.6	4,024.6	4,005.1	14.8	12.9	177.87	22.9	394.2	971.3	944.1	27.23	35.672		
4,275.0	4,206.4	4,094.4	4,074.3	15.1	13.1	177.87	23.5	403.3	998.7	970.9	27.84	35.873		
4,300.0	4,230.7	4,117.6	4,097.4	15.2	13.2	177.87	23.8	406.3	1,007.9	979.8	28.05	35.938		
4,370.0	4,298.6	4,182.8	4,162.0	15.6	13.5	177.87	24.4	414.8	1,033.5	1,004.9	28.62	36.113		
4,400.0	4,327.7	4,210.7	4,189.7	15.7	13.6	177.87	24.7	418.4	1,044.5	1,015.6	28.87	36.185		
4,465.0	4,390.8	4,271.2	4,249.6	16.0	13.8	177.87	25.2	426.3	1,068.3	1,038.9	29.40	36.336		
4,500.0	4,424.7	4,303.8	4,281.9	16.2	14.0	177.87	25.5	430.5	1,081.1	1,051.4	29.69	36.415		
4,560.0	4,482.9	4,359.6	4,337.3	16.5	14.2	177.88	26.1	437.8	1,103.1	1,072.9	30.18	36.545		
4,600.0	4,521.8	4,396.8	4,374.2	16.6	14.4	177.88	26.4	442.7	1,117.7	1,087.2	30.51	36.629		
4,655.0	4,575.1	4,448.0	4,424.9	16.9	14.6	177.88	26.9	449.3	1,137.9	1,106.9	30.97	36.740		
4,700.0	4,618.8	4,489.9	4,466.4	17.1	14.7	177.88	27.3	454.8	1,154.3	1,123.0	31.34	36.829		
4,750.0	4,667.3	4,536.4	4,512.6	17.3	14.9	177.88	27.8	460.8	1,172.6	1,140.9	31.76	36.923		
4,800.0	4,715.8	4,582.9	4,558.7	17.6	15.1	177.88	28.2	466.9	1,190.9	1,158.8	32.17	37.015		
4,845.0	4,759.5	4,624.8	4,600.2	17.8	15.3	177.88	28.6	472.3	1,207.4	1,174.9	32.54	37.103		
4,900.0	4,812.8	4,682.2	4,657.2	18.0	15.5	177.88	29.2	479.7	1,227.5	1,194.5	33.04	37.154		
4,940.0	4,851.6	4,729.8	4,704.4	18.2	15.7	177.89	29.6	485.5	1,241.8	1,208.4	33.45	37.124		
5,000.0	4,909.9	4,801.8	4,775.9	18.5	16.0	177.89	30.2	493.5	1,262.7	1,228.6	34.07	37.057		
5,035.0	4,943.8	4,844.1	4,818.0	18.7	16.1	177.90	30.5	497.7	1,274.5	1,240.1	34.43	37.014		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		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		
5,100.0	5,006.9	4,923.1	4,896.7	19.0	16.4	177.91	31.0	504.9	1,295.9	1,260.8	35.10	36.922	
5,130.0	5,036.0	4,959.9	4,933.4	19.1	16.6	177.91	31.2	507.8	1,305.4	1,270.0	35.40	36.877	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-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)		
0.0	0.0	0.0	0.0	3.0	3.0	89.68	0.3	60.0	60.0				
95.0	95.0	93.5	93.5	3.0	3.0	89.68	0.3	60.0	60.0	53.9	6.05	9.917	
100.0	100.0	98.5	98.5	3.0	3.0	89.68	0.3	60.0	60.0	53.9	6.06	9.907	
190.0	190.0	188.5	188.5	3.1	3.1	89.68	0.3	60.0	60.0	53.7	6.27	9.574	
200.0	200.0	198.5	198.5	3.2	3.2	89.68	0.3	60.0	60.0	53.7	6.30	9.524	
285.0	285.0	283.5	283.5	3.3	3.3	89.68	0.3	60.0	60.0	53.5	6.50	9.236	
300.0	300.0	298.5	298.5	3.3	3.3	89.68	0.3	60.0	60.0	53.5	6.53	9.180	
380.0	380.0	378.5	378.5	3.4	3.4	89.68	0.3	60.0	60.0	53.3	6.71	8.935	
400.0	400.0	398.5	398.5	3.4	3.4	89.68	0.3	60.0	60.0	53.2	6.76	8.871	
475.0	475.0	473.5	473.5	3.5	3.5	89.68	0.3	60.0	60.0	53.1	6.93	8.662	
500.0	500.0	498.5	498.5	3.5	3.5	89.68	0.3	60.0	60.0	53.0	6.98	8.592	
570.0	570.0	568.5	568.5	3.6	3.6	89.68	0.3	60.0	60.0	52.9	7.13	8.414	
600.0	600.0	598.5	598.5	3.6	3.6	89.68	0.3	60.0	60.0	52.8	7.20	8.337	
665.0	665.0	663.5	663.5	3.7	3.7	89.68	0.3	60.0	60.0	52.7	7.33	8.185	
700.0	700.0	698.5	698.5	3.8	3.8	89.68	0.3	60.0	60.0	52.6	7.40	8.104	
760.0	760.0	758.5	758.5	3.8	3.8	89.68	0.3	60.0	60.0	52.5	7.52	7.974	
800.0	800.0	798.5	798.5	3.9	3.9	89.68	0.3	60.0	60.0	52.4	7.60	7.889	
855.0	855.0	853.5	853.5	4.0	4.0	89.68	0.3	60.0	60.0	52.3	7.71	7.779	
900.0	900.0	898.5	898.5	4.0	4.0	89.68	0.3	60.0	60.0	52.2	7.80	7.690	
950.0	950.0	948.5	948.5	4.1	4.1	89.68	0.3	60.0	60.0	52.1	7.90	7.598	
1,000.0	1,000.0	998.5	998.5	4.1	4.1	89.68	0.3	60.0	60.0	52.0	7.99	7.506	
1,045.0	1,045.0	1,043.5	1,043.5	4.2	4.2	89.68	0.3	60.0	60.0	51.9	8.08	7.428	
1,100.0	1,100.0	1,098.5	1,098.5	4.3	4.3	89.68	0.3	60.0	60.0	51.8	8.18	7.334	
1,140.0	1,140.0	1,138.5	1,138.5	4.3	4.3	89.68	0.3	60.0	60.0	51.7	8.25	7.270	
1,200.0	1,200.0	1,198.5	1,198.5	4.4	4.4	89.68	0.3	60.0	60.0	51.6	8.36	7.174	
1,235.0	1,235.0	1,233.5	1,233.5	4.4	4.4	89.68	0.3	60.0	60.0	51.6	8.42	7.121	
1,300.0	1,300.0	1,298.5	1,298.5	4.5	4.5	89.68	0.3	60.0	60.0	51.4	8.54	7.024	
1,330.0	1,330.0	1,328.5	1,328.5	4.5	4.5	89.68	0.3	60.0	60.0	51.4	8.59	6.981	
1,400.0	1,400.0	1,398.5	1,398.5	4.6	4.6	89.68	0.3	60.0	60.0	51.3	8.72	6.882	
1,425.0	1,425.0	1,423.5	1,423.5	4.6	4.6	89.68	0.3	60.0	60.0	51.2	8.76	6.849	
1,500.0	1,500.0	1,498.5	1,498.5	4.7	4.7	89.68	0.3	60.0	60.0	51.1	8.89	6.749 CC, ES	
1,520.0	1,520.0	1,518.5	1,518.5	4.7	4.7	178.11	0.3	60.0	60.1	51.1	8.94	6.716 SF	
1,600.0	1,600.0	1,598.5	1,598.5	4.8	4.8	178.16	0.3	60.0	61.7	52.6	9.17	6.735	
1,615.0	1,615.0	1,613.5	1,613.5	4.8	4.9	178.18	0.3	60.0	62.3	53.1	9.22	6.757	
1,700.0	1,699.8	1,698.3	1,698.3	5.0	5.0	178.30	0.3	60.0	67.0	57.4	9.53	7.027	
1,710.0	1,709.8	1,708.3	1,708.3	5.0	5.0	178.32	0.3	60.0	67.7	58.1	9.57	7.074	
1,800.0	1,799.5	1,798.0	1,798.0	5.2	5.1	178.49	0.3	60.0	75.7	65.8	9.91	7.640	
1,805.0	1,804.4	1,802.9	1,802.9	5.2	5.1	178.50	0.3	60.0	76.2	66.3	9.93	7.678	
1,900.0	1,898.7	1,897.2	1,897.2	5.5	5.2	178.70	0.3	60.0	87.9	77.6	10.30	8.532	
1,995.0	1,992.5	1,991.0	1,991.0	5.8	5.3	178.88	0.3	60.0	102.6	92.0	10.69	9.605	
2,000.0	1,997.5	1,996.0	1,996.0	5.9	5.3	178.89	0.3	60.0	103.5	92.8	10.71	9.667	
2,090.0	2,085.8	2,084.3	2,084.3	6.2	5.5	179.04	0.3	60.0	120.5	109.4	11.16	10.801	
2,100.0	2,095.6	2,094.1	2,094.1	6.2	5.5	179.05	0.3	60.0	122.6	111.4	11.21	10.936	
2,185.0	2,178.5	2,177.0	2,177.0	6.5	5.6	179.17	0.3	60.0	141.5	129.8	11.64	12.151	
2,200.1	2,193.1	2,191.6	2,191.6	6.6	5.6	179.19	0.3	60.0	145.1	133.4	11.72	12.379	
2,280.0	2,270.7	2,269.2	2,269.2	6.8	5.7	179.29	0.3	60.0	164.4	152.3	12.08	13.609	
2,300.0	2,290.1	2,288.6	2,288.6	6.9	5.7	179.31	0.3	60.0	169.3	157.1	12.17	13.905	
2,375.0	2,362.9	2,361.4	2,361.4	7.1	5.8	179.38	0.3	60.0	187.4	174.9	12.52	14.965	
2,400.0	2,387.1	2,385.6	2,385.6	7.2	5.9	179.40	0.3	60.0	193.5	180.8	12.64	15.305	
2,470.0	2,455.0	2,453.5	2,453.5	7.5	5.9	179.44	0.3	60.0	210.4	197.4	12.98	16.213	
2,500.0	2,484.1	2,482.6	2,482.6	7.6	6.0	179.46	0.3	60.0	217.6	204.5	13.12	16.587	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-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	
2,565.0	2,547.2	2,545.7	2,545.7	7.8	6.1	179.50	0.3	60.0	233.4	219.9	13.44	17.360		
2,600.0	2,581.2	2,579.7	2,579.7	7.9	6.1	179.52	0.3	60.0	241.8	228.2	13.62	17.760		
2,660.0	2,639.4	2,637.9	2,637.9	8.2	6.2	179.54	0.3	60.0	256.4	242.4	13.92	18.416		
2,700.0	2,678.2	2,676.7	2,676.7	8.3	6.2	179.56	0.3	60.0	266.0	251.9	14.12	18.836		
2,755.0	2,731.6	2,730.1	2,730.1	8.5	6.3	179.58	0.3	60.0	279.3	264.9	14.41	19.389		
2,800.0	2,775.2	2,773.7	2,773.7	8.7	6.3	179.60	0.3	60.0	290.2	275.6	14.64	19.825		
2,850.0	2,823.7	2,822.2	2,822.2	8.9	6.4	179.61	0.3	60.0	302.3	287.4	14.90	20.288		
2,900.0	2,872.3	2,870.8	2,870.8	9.1	6.5	179.63	0.3	60.0	314.4	299.3	15.16	20.735		
2,945.0	2,915.9	2,914.4	2,914.4	9.3	6.5	179.64	0.3	60.0	325.3	309.9	15.40	21.120		
3,000.0	2,969.3	2,967.8	2,967.8	9.5	6.6	179.65	0.3	60.0	338.6	322.9	15.70	21.574		
3,040.0	3,008.1	3,006.6	3,006.6	9.7	6.6	179.66	0.3	60.0	348.3	332.4	15.91	21.891		
3,100.0	3,066.3	3,064.8	3,064.8	9.9	6.7	179.68	0.3	60.0	362.8	346.6	16.23	22.350		
3,135.0	3,100.3	3,098.8	3,098.8	10.1	6.7	179.68	0.3	60.0	371.3	354.9	16.42	22.607		
3,200.0	3,163.3	3,161.8	3,161.8	10.3	6.8	179.70	0.3	60.0	387.0	370.2	16.78	23.069		
3,230.0	3,192.5	3,191.0	3,191.0	10.5	6.8	179.70	0.3	60.0	394.3	377.3	16.94	23.274		
3,300.0	3,260.4	3,258.9	3,258.9	10.8	6.9	179.72	0.3	60.0	411.2	393.9	17.32	23.737		
3,325.0	3,284.6	3,283.1	3,283.1	10.9	7.0	179.72	0.3	60.0	417.2	399.8	17.46	23.896		
3,400.0	3,357.4	3,355.9	3,355.9	11.2	7.0	179.73	0.3	60.0	435.4	417.5	17.87	24.358		
3,420.0	3,376.8	3,375.3	3,375.3	11.3	7.1	179.73	0.3	60.0	440.2	422.2	17.99	24.476		
3,500.0	3,454.4	3,452.9	3,452.9	11.6	7.2	179.75	0.3	60.0	459.6	441.2	18.43	24.937		
3,515.0	3,469.0	3,467.5	3,467.5	11.7	7.2	179.75	0.3	60.0	463.2	444.7	18.51	25.020		
3,600.0	3,551.5	3,550.0	3,550.0	12.1	7.3	179.76	0.3	60.0	483.8	464.8	18.99	25.478		
3,610.0	3,561.2	3,559.7	3,559.7	12.1	7.3	179.76	0.3	60.0	486.2	467.2	19.04	25.530		
3,700.0	3,648.5	3,647.0	3,647.0	12.5	7.4	179.77	0.3	60.0	508.0	488.4	19.55	25.985		
3,705.0	3,653.3	3,651.8	3,651.8	12.5	7.4	179.77	0.3	60.0	509.2	489.6	19.58	26.009		
3,800.0	3,745.5	3,744.0	3,744.0	13.0	7.5	179.78	0.3	60.0	532.2	512.1	20.11	26.460		
3,895.0	3,837.7	3,836.2	3,836.2	13.4	7.6	179.79	0.3	60.0	555.2	534.5	20.65	26.885		
3,900.0	3,842.5	3,841.0	3,841.0	13.4	7.6	179.79	0.3	60.0	556.4	535.7	20.68	26.907		
3,990.0	3,929.9	3,928.4	3,928.4	13.8	7.7	179.80	0.3	60.0	578.1	557.0	21.19	27.286		
4,000.0	3,939.6	3,938.1	3,938.1	13.9	7.7	179.80	0.3	60.0	580.6	559.3	21.24	27.327		
4,085.0	4,022.1	4,020.6	4,020.6	14.3	7.8	179.81	0.3	60.0	601.1	579.4	21.73	27.666		
4,100.0	4,036.6	4,035.1	4,035.1	14.3	7.8	179.81	0.3	60.0	604.8	582.9	21.81	27.724		
4,180.0	4,114.2	4,112.7	4,112.7	14.7	7.9	179.81	0.3	60.0	624.1	601.8	22.27	28.025		
4,200.0	4,133.6	4,132.1	4,132.1	14.8	7.9	179.81	0.3	60.0	628.9	606.6	22.38	28.099		
4,275.0	4,206.4	4,204.9	4,204.9	15.1	8.0	179.82	0.3	60.0	647.1	624.3	22.81	28.366		
4,300.0	4,230.7	4,229.2	4,229.2	15.2	8.0	179.82	0.3	60.0	653.1	630.2	22.95	28.454		
4,370.0	4,298.6	4,297.1	4,297.1	15.6	8.1	179.83	0.3	60.0	670.1	646.7	23.36	28.690		
4,400.0	4,327.7	4,326.2	4,326.2	15.7	8.1	179.83	0.3	60.0	677.3	653.8	23.53	28.790		
4,465.0	4,390.8	4,389.3	4,389.3	16.0	8.2	179.83	0.3	60.0	693.1	669.2	23.90	28.998		
4,500.0	4,424.7	4,423.2	4,423.2	16.2	8.2	179.83	0.3	60.0	701.5	677.4	24.10	29.108		
4,560.0	4,482.9	4,481.4	4,481.4	16.5	8.3	179.84	0.3	60.0	716.0	691.6	24.45	29.292		
4,600.0	4,521.8	4,520.3	4,520.3	16.6	8.3	179.84	0.3	60.0	725.7	701.0	24.67	29.411		
4,655.0	4,575.1	4,573.6	4,573.6	16.9	8.4	179.84	0.3	60.0	739.0	714.0	24.99	29.572		
4,700.0	4,618.8	4,617.3	4,617.3	17.1	8.4	179.84	0.3	60.0	749.9	724.7	25.25	29.700		
4,750.0	4,667.3	4,665.8	4,665.8	17.3	8.5	179.85	0.3	60.0	762.0	736.5	25.54	29.839		
4,800.0	4,715.8	4,714.3	4,714.3	17.6	8.5	179.85	0.3	60.0	774.1	748.3	25.83	29.974		
4,845.0	4,759.5	4,758.0	4,758.0	17.8	8.6	179.85	0.3	60.0	785.0	758.9	26.09	30.094		
4,900.0	4,812.8	4,811.3	4,811.3	18.0	8.7	179.85	0.3	60.0	798.3	771.9	26.40	30.236		
4,940.0	4,851.6	4,850.1	4,850.1	18.2	8.7	179.86	0.3	60.0	808.0	781.4	26.63	30.338		
5,000.0	4,909.9	4,908.4	4,908.4	18.5	8.8	179.86	0.3	60.0	822.5	795.5	26.98	30.486		
5,035.0	4,943.8	4,942.3	4,942.3	18.7	8.8	179.86	0.3	60.0	831.0	803.8	27.18	30.571		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-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
5,100.0	5,006.9	5,005.4	5,005.4	19.0	8.9	179.86	0.3	60.0	846.7	819.1	27.56	30.725	
5,130.0	5,036.0	5,034.5	5,034.5	19.1	8.9	179.86	0.3	60.0	854.0	826.2	27.73	30.795	
5,200.0	5,103.9	5,102.4	5,102.4	19.5	9.0	179.87	0.3	60.0	870.9	842.8	28.13	30.954	
5,225.0	5,128.2	5,126.7	5,126.7	19.6	9.0	179.87	0.3	60.0	876.9	848.7	28.28	31.010	
5,300.0	5,201.0	5,199.5	5,199.5	19.9	9.1	179.87	0.3	60.0	895.1	866.4	28.71	31.173	
5,320.0	5,220.4	5,218.9	5,218.9	20.0	9.1	179.87	0.3	60.0	899.9	871.1	28.83	31.216	
5,404.0	5,301.9	5,300.4	5,300.4	20.4	9.2	179.87	0.3	60.0	920.3	890.9	29.32	31.390	
5,415.0	5,312.5	5,311.0	5,311.0	20.5	9.2	179.87	0.3	60.0	922.9	893.5	29.38	31.410	
5,500.0	5,395.4	5,393.9	5,393.9	20.9	9.3	179.88	0.3	60.0	941.9	912.0	29.88	31.519	
5,510.0	5,405.2	5,403.7	5,403.7	20.9	9.3	179.88	0.3	60.0	944.0	914.0	29.94	31.528	
5,600.0	5,493.5	5,492.0	5,492.0	21.4	9.4	179.88	0.3	60.0	961.1	930.7	30.46	31.550	
5,605.0	5,498.4	5,496.9	5,496.9	21.4	9.4	179.88	0.3	60.0	962.0	931.5	30.49	31.550	
5,700.0	5,592.3	5,590.8	5,590.8	21.8	9.5	179.88	0.3	60.0	976.9	945.9	31.03	31.488	
5,795.0	5,686.5	5,685.0	5,685.0	22.2	9.6	179.88	0.3	60.0	988.7	957.2	31.54	31.351	
5,800.0	5,691.5	5,690.0	5,690.0	22.3	9.6	179.88	0.3	60.0	989.2	957.7	31.56	31.341	
5,890.0	5,781.1	5,779.6	5,779.6	22.6	9.7	179.89	0.3	60.0	997.4	965.3	32.02	31.147	
5,900.0	5,791.1	5,789.6	5,789.6	22.7	9.7	179.89	0.3	60.0	998.1	966.0	32.07	31.120	
5,985.0	5,876.0	5,874.5	5,874.5	23.0	9.7	179.89	0.3	60.0	1,002.9	970.4	32.47	30.888	
6,000.0	5,890.9	5,889.4	5,889.4	23.0	9.8	179.89	0.3	60.0	1,003.5	970.9	32.54	30.840	
6,080.0	5,970.9	5,969.4	5,969.4	23.2	9.8	179.89	0.3	60.0	1,005.3	972.5	32.76	30.684	
6,104.1	5,995.0	5,993.5	5,993.5	23.2	9.9	91.46	0.3	60.0	1,005.4	972.5	32.83	30.625	
6,175.0	6,065.9	6,064.4	6,064.4	23.2	9.9	91.46	0.3	60.0	1,005.4	972.4	32.92	30.537	
6,200.0	6,090.9	6,089.4	6,089.4	23.2	10.0	91.46	0.3	60.0	1,005.4	972.4	32.96	30.506	
6,270.0	6,160.9	6,159.4	6,159.4	23.3	10.0	91.46	0.3	60.0	1,005.4	972.3	33.05	30.419	
6,300.0	6,190.9	6,189.4	6,189.4	23.3	10.1	91.46	0.3	60.0	1,005.4	972.3	33.09	30.381	
6,365.0	6,255.9	6,254.4	6,254.4	23.3	10.1	91.46	0.3	60.0	1,005.4	972.2	33.18	30.301	
6,400.0	6,290.9	6,289.4	6,289.4	23.3	10.2	91.46	0.3	60.0	1,005.4	972.1	33.23	30.258	
6,460.0	6,350.9	6,349.4	6,349.4	23.3	10.2	91.46	0.3	60.0	1,005.4	972.1	33.31	30.184	
6,500.0	6,390.9	6,389.4	6,389.4	23.3	10.3	91.46	0.3	60.0	1,005.4	972.0	33.36	30.136	
6,555.0	6,445.9	6,444.4	6,444.4	23.4	10.3	91.46	0.3	60.0	1,005.4	971.9	33.44	30.069	
6,600.0	6,490.9	6,489.4	6,489.4	23.4	10.4	91.46	0.3	60.0	1,005.4	971.9	33.50	30.015	
6,650.0	6,540.9	6,539.4	6,539.4	23.4	10.4	91.46	0.3	60.0	1,005.4	971.8	33.56	29.954	
6,700.0	6,590.9	6,589.4	6,589.4	23.4	10.5	91.46	0.3	60.0	1,005.4	971.7	33.63	29.894	
6,745.0	6,635.9	6,634.4	6,634.4	23.4	10.5	91.46	0.3	60.0	1,005.4	971.7	33.69	29.841	
6,800.0	6,690.9	6,689.4	6,689.4	23.4	10.6	91.46	0.3	60.0	1,005.4	971.6	33.76	29.775	
6,840.0	6,730.9	6,729.4	6,729.4	23.5	10.6	91.46	0.3	60.0	1,005.4	971.5	33.82	29.728	
6,900.0	6,790.9	6,789.4	6,789.4	23.5	10.7	91.46	0.3	60.0	1,005.4	971.5	33.90	29.657	
6,935.0	6,825.9	6,824.4	6,824.4	23.5	10.7	91.46	0.3	60.0	1,005.4	971.4	33.95	29.616	
7,000.0	6,890.9	6,889.4	6,889.4	23.5	10.8	91.46	0.3	60.0	1,005.4	971.3	34.03	29.541	
7,030.0	6,920.9	6,919.4	6,919.4	23.5	10.8	91.46	0.3	60.0	1,005.4	971.3	34.07	29.506	
7,100.0	6,990.9	6,989.4	6,989.4	23.5	10.9	91.46	0.3	60.0	1,005.4	971.2	34.17	29.425	
7,125.0	7,015.9	7,014.4	7,014.4	23.6	10.9	91.46	0.3	60.0	1,005.4	971.2	34.20	29.396	
7,200.0	7,090.9	7,089.4	7,089.4	23.6	11.0	91.46	0.3	60.0	1,005.4	971.1	34.30	29.310	
7,220.0	7,110.9	7,109.4	7,109.4	23.6	11.0	91.46	0.3	60.0	1,005.4	971.0	34.33	29.287	
7,300.0	7,190.9	7,189.4	7,189.4	23.6	11.1	91.46	0.3	60.0	1,005.4	970.9	34.44	29.195	
7,315.0	7,205.9	7,204.4	7,204.4	23.6	11.1	91.46	0.3	60.0	1,005.4	970.9	34.46	29.178	
7,400.0	7,290.9	7,289.4	7,289.4	23.6	11.1	91.46	0.3	60.0	1,005.4	970.8	34.57	29.082	
7,410.0	7,300.9	7,299.4	7,299.4	23.6	11.2	91.46	0.3	60.0	1,005.4	970.8	34.58	29.071	
7,500.0	7,390.9	7,389.4	7,389.4	23.7	11.2	91.46	0.3	60.0	1,005.4	970.7	34.70	28.970	
7,505.0	7,395.9	7,394.4	7,394.4	23.7	11.3	91.46	0.3	60.0	1,005.4	970.7	34.71	28.965	
7,600.0	7,490.9	7,489.4	7,489.4	23.7	11.3	91.46	0.3	60.0	1,005.4	970.5	34.84	28.859	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,695.0	7,585.9	7,584.4	7,584.4	23.7	11.4	91.46	0.3	60.0	1,005.4	970.4	34.96	28.754		
7,700.0	7,590.9	7,589.4	7,589.4	23.8	11.4	91.46	0.3	60.0	1,005.4	970.4	34.97	28.749		
7,790.0	7,680.9	7,679.4	7,679.4	23.8	11.5	91.46	0.3	60.0	1,005.4	970.3	35.09	28.650		
7,800.0	7,690.9	7,689.4	7,689.4	23.8	11.5	91.46	0.3	60.0	1,005.4	970.3	35.10	28.639		
7,885.0	7,775.9	7,774.4	7,774.4	23.8	11.6	91.46	0.3	60.0	1,005.4	970.1	35.22	28.547		
7,900.0	7,790.9	7,789.4	7,789.4	23.8	11.6	91.46	0.3	60.0	1,005.4	970.1	35.24	28.530		
7,980.0	7,870.9	7,869.4	7,869.4	23.9	11.7	91.46	0.3	60.0	1,005.4	970.0	35.35	28.444		
8,000.0	7,890.9	7,889.4	7,889.4	23.9	11.7	91.46	0.3	60.0	1,005.4	970.0	35.37	28.422		
8,075.0	7,965.9	7,964.4	7,964.4	23.9	11.8	91.46	0.3	60.0	1,005.4	969.9	35.47	28.342		
8,100.0	7,990.9	7,989.4	7,989.4	23.9	11.8	91.46	0.3	60.0	1,005.4	969.9	35.51	28.315		
8,170.0	8,060.9	8,059.4	8,059.4	23.9	11.9	91.46	0.3	60.0	1,005.4	969.8	35.60	28.241		
8,200.0	8,090.9	8,089.4	8,089.4	23.9	11.9	91.46	0.3	60.0	1,005.4	969.7	35.64	28.209		
8,265.0	8,155.9	8,154.4	8,154.4	24.0	12.0	91.46	0.3	60.0	1,005.4	969.6	35.73	28.141		
8,300.0	8,190.9	8,189.4	8,189.4	24.0	12.0	91.46	0.3	60.0	1,005.4	969.6	35.77	28.104		
8,360.0	8,250.9	8,249.4	8,249.4	24.0	12.1	91.46	0.3	60.0	1,005.4	969.5	35.85	28.041		
8,400.0	8,290.9	8,289.4	8,289.4	24.0	12.1	91.46	0.3	60.0	1,005.4	969.5	35.91	27.999		
8,455.0	8,345.9	8,344.4	8,344.4	24.0	12.2	91.46	0.3	60.0	1,005.4	969.4	35.98	27.942		
8,500.0	8,390.9	8,389.4	8,389.4	24.0	12.2	91.46	0.3	60.0	1,005.4	969.3	36.04	27.896		
8,550.0	8,440.9	8,439.4	8,439.4	24.1	12.3	91.46	0.3	60.0	1,005.4	969.3	36.11	27.844		
8,600.0	8,490.9	8,489.4	8,489.4	24.1	12.3	91.46	0.3	60.0	1,005.4	969.2	36.17	27.792		
8,645.0	8,535.9	8,534.4	8,534.4	24.1	12.3	91.46	0.3	60.0	1,005.4	969.1	36.23	27.746		
8,700.0	8,590.9	8,589.4	8,589.4	24.1	12.4	91.46	0.3	60.0	1,005.4	969.1	36.31	27.690		
8,740.0	8,630.9	8,629.4	8,629.4	24.1	12.4	91.46	0.3	60.0	1,005.4	969.0	36.36	27.649		
8,800.0	8,690.9	8,689.4	8,689.4	24.2	12.5	91.46	0.3	60.0	1,005.4	968.9	36.44	27.589		
8,835.0	8,725.9	8,724.4	8,724.4	24.2	12.5	91.46	0.3	60.0	1,005.4	968.9	36.49	27.553		
8,900.0	8,790.9	8,789.4	8,789.4	24.2	12.6	91.46	0.3	60.0	1,005.4	968.8	36.57	27.488		
8,930.0	8,820.9	8,819.4	8,819.4	24.2	12.6	91.46	0.3	60.0	1,005.4	968.7	36.61	27.458		
9,000.0	8,890.9	8,889.4	8,889.4	24.2	12.7	91.46	0.3	60.0	1,005.4	968.7	36.71	27.388		
9,025.0	8,915.9	8,914.4	8,914.4	24.2	12.7	91.46	0.3	60.0	1,005.4	968.6	36.74	27.363		
9,100.0	8,990.9	8,989.4	8,989.4	24.3	12.8	91.46	0.3	60.0	1,005.4	968.5	36.84	27.288		
9,120.0	9,010.9	9,009.4	9,009.4	24.3	12.8	91.46	0.3	60.0	1,005.4	968.5	36.87	27.269		
9,200.0	9,090.9	9,089.4	9,089.4	24.3	12.9	91.46	0.3	60.0	1,005.4	968.4	36.98	27.190		
9,215.0	9,105.9	9,104.4	9,104.4	24.3	12.9	91.46	0.3	60.0	1,005.4	968.4	37.00	27.175		
9,300.0	9,190.9	9,189.4	9,189.4	24.3	13.0	91.46	0.3	60.0	1,005.4	968.3	37.11	27.092		
9,310.0	9,200.9	9,199.4	9,199.4	24.4	13.0	91.46	0.3	60.0	1,005.4	968.2	37.12	27.082		
9,400.0	9,290.9	9,289.4	9,289.4	24.4	13.0	91.46	0.3	60.0	1,005.4	968.1	37.24	26.994		
9,405.0	9,295.9	9,294.4	9,294.4	24.4	13.1	91.46	0.3	60.0	1,005.4	968.1	37.25	26.990		
9,500.0	9,390.9	9,389.4	9,389.4	24.4	13.1	91.46	0.3	60.0	1,005.4	968.0	37.38	26.898		
9,595.0	9,485.9	9,484.4	9,484.4	24.5	13.2	91.46	0.3	60.0	1,005.4	967.9	37.50	26.807		
9,600.0	9,490.9	9,489.4	9,489.4	24.5	13.2	91.46	0.3	60.0	1,005.4	967.9	37.51	26.802		
9,690.0	9,580.9	9,579.4	9,579.4	24.5	13.3	91.46	0.3	60.0	1,005.4	967.7	37.63	26.716		
9,700.0	9,590.9	9,589.4	9,589.4	24.5	13.3	91.46	0.3	60.0	1,005.4	967.7	37.65	26.706		
9,785.0	9,675.9	9,674.4	9,674.4	24.5	13.4	91.46	0.3	60.0	1,005.4	967.6	37.76	26.626		
9,800.0	9,690.9	9,689.4	9,689.4	24.5	13.4	91.46	0.3	60.0	1,005.4	967.6	37.78	26.612		
9,880.0	9,770.9	9,769.4	9,769.4	24.6	13.5	91.46	0.3	60.0	1,005.4	967.5	37.89	26.536		
9,900.0	9,790.9	9,789.4	9,789.4	24.6	13.5	91.46	0.3	60.0	1,005.4	967.5	37.91	26.518		
9,975.0	9,865.9	9,864.4	9,864.4	24.6	13.6	91.46	0.3	60.0	1,005.4	967.4	38.01	26.448		
10,000.0	9,890.9	9,889.4	9,889.4	24.6	13.6	91.46	0.3	60.0	1,005.4	967.3	38.05	26.424		
10,070.0	9,960.9	9,959.4	9,959.4	24.6	13.7	91.46	0.3	60.0	1,005.4	967.2	38.13	26.366		
10,079.1	9,970.0	9,968.5	9,968.5	24.6	13.7	91.46	0.3	60.0	1,005.4	967.2	38.14	26.358		
10,100.0	9,990.9	9,989.4	9,989.4	24.7	13.7	91.59	0.3	60.0	1,005.4	967.2	38.16	26.344		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre			Rule Assigned: Distance				
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)		
10,150.0	10,040.7	10,039.2	10,039.2	24.7	13.7	91.80	0.3	60.0		1,005.5	967.3	38.20	26.319	
10,165.0	10,055.6	10,054.1	10,054.1	24.7	13.7	91.91	0.3	60.0		1,005.6	967.3	38.22	26.313	
10,200.0	10,090.0	10,089.2	10,089.2	24.7	13.8	92.25	0.4	60.0		1,005.8	967.5	38.24	26.300	
10,250.0	10,138.4	10,150.8	10,150.6	24.7	13.8	92.86	4.8	59.8		1,006.0	967.7	38.31	26.262	
10,260.0	10,147.9	10,163.4	10,163.0	24.7	13.8	92.97	6.7	59.7		1,006.0	967.7	38.32	26.253	
10,300.0	10,185.5	10,214.2	10,212.6	24.7	13.8	93.38	17.5	59.1		1,005.9	967.5	38.38	26.208	
10,350.0	10,230.9	10,278.9	10,273.6	24.7	13.9	93.78	38.9	57.9		1,005.3	966.9	38.46	26.139	
10,355.0	10,235.4	10,285.4	10,279.6	24.7	13.9	93.81	41.5	57.8		1,005.2	966.8	38.47	26.131	
10,400.0	10,274.4	10,344.4	10,331.9	24.7	13.9	94.05	68.7	56.3		1,004.3	965.8	38.54	26.056	
10,450.0	10,315.6	10,410.1	10,385.7	24.7	14.0	94.18	106.3	54.3		1,002.8	964.2	38.63	25.960	
10,500.0	10,354.1	10,475.4	10,433.5	24.7	14.1	94.17	150.6	52.0		1,000.9	962.1	38.71	25.854	
10,545.0	10,386.3	10,533.3	10,470.5	24.7	14.2	94.05	195.1	49.6		998.7	960.0	38.78	25.753	
10,550.0	10,389.7	10,539.7	10,474.2	24.7	14.2	94.03	200.2	49.3		998.5	959.7	38.79	25.742	
10,600.0	10,422.1	10,602.5	10,507.2	24.8	14.3	93.77	253.5	46.5		995.8	956.9	38.86	25.625	
10,640.0	10,445.5	10,651.4	10,527.9	24.8	14.3	93.49	297.8	44.1		993.4	954.5	38.91	25.529	
10,650.0	10,451.0	10,663.4	10,532.3	24.8	14.3	93.41	309.0	43.5		992.8	953.9	38.93	25.504	
10,700.0	10,476.3	10,722.2	10,549.6	24.8	14.4	92.95	365.0	40.6		989.6	950.6	38.99	25.381	
10,735.0	10,491.8	10,762.1	10,557.4	24.8	14.4	92.59	404.0	38.5		987.4	948.3	39.04	25.292	
10,750.0	10,497.8	10,778.8	10,559.6	24.8	14.4	92.42	420.6	37.6		986.4	947.3	39.06	25.254	
10,800.0	10,515.2	10,833.0	10,563.0	24.9	14.4	91.84	474.6	34.7		983.1	944.0	39.13	25.123	
10,830.0	10,523.7	10,854.8	10,563.1	24.9	14.4	91.66	496.3	33.6		981.4	942.2	39.18	25.047	
10,850.0	10,528.5	10,869.2	10,563.1	24.9	14.4	91.56	510.8	33.0		980.4	941.2	39.22	24.999	
10,900.0	10,537.5	10,900.0	10,563.2	25.0	14.4	91.42	541.5	31.9		978.5	939.2	39.31	24.890	
10,925.0	10,540.4	10,924.4	10,563.3	25.0	14.4	91.31	565.9	31.3		977.9	938.5	39.39	24.823	
10,950.0	10,542.3	10,943.0	10,563.3	25.0	14.4	91.28	584.5	30.9		977.4	937.9	39.47	24.766	
10,976.7	10,543.0	10,967.3	10,563.4	25.1	14.4	91.28	608.8	30.7		977.1	937.6	39.56	24.702	
11,000.0	10,543.1	10,984.7	10,563.5	25.1	14.5	91.28	626.2	30.6		977.0	937.4	39.63	24.652	
11,020.0	10,543.2	11,004.7	10,563.5	25.1	14.5	91.28	646.2	30.4		976.9	937.2	39.72	24.598	
11,100.0	10,543.5	11,084.7	10,563.8	25.3	14.7	91.28	726.2	29.9		976.5	936.5	40.08	24.367	
11,115.0	10,543.6	11,099.7	10,563.8	25.3	14.8	91.27	741.2	29.8		976.5	936.3	40.15	24.322	
11,200.0	10,543.9	11,184.7	10,564.1	25.5	15.0	91.27	826.2	29.2		976.1	935.5	40.58	24.055	
11,210.0	10,544.0	11,194.7	10,564.1	25.5	15.1	91.27	836.2	29.1		976.0	935.4	40.63	24.023	
11,300.0	10,544.4	11,284.7	10,564.4	25.7	15.4	91.26	926.2	28.5		975.6	934.4	41.13	23.720	
11,305.0	10,544.4	11,289.7	10,564.4	25.7	15.4	91.26	931.2	28.5		975.5	934.4	41.16	23.703	
11,400.0	10,544.8	11,384.7	10,564.7	25.9	15.8	91.26	1,026.2	27.9		975.1	933.4	41.73	23.366	
11,495.0	10,545.2	11,479.7	10,565.0	26.1	16.2	91.25	1,121.2	27.2		974.6	932.3	42.35	23.014	
11,500.0	10,545.2	11,484.7	10,565.0	26.1	16.2	91.25	1,126.2	27.2		974.6	932.2	42.38	22.996	
11,590.0	10,545.6	11,574.7	10,565.3	26.4	16.6	91.25	1,216.2	26.6		974.2	931.2	43.01	22.651	
11,600.0	10,545.6	11,584.7	10,565.3	26.4	16.6	91.25	1,226.2	26.5		974.1	931.0	43.08	22.613	
11,685.0	10,546.0	11,669.7	10,565.6	26.6	17.0	91.24	1,311.2	25.9		973.7	930.0	43.70	22.280	
11,700.0	10,546.0	11,684.7	10,565.6	26.7	17.1	91.24	1,326.2	25.8		973.6	929.8	43.82	22.222	
11,780.0	10,546.4	11,764.7	10,565.9	26.9	17.4	91.24	1,406.2	25.3		973.3	928.8	44.44	21.902	
11,800.0	10,546.5	11,784.7	10,565.9	27.0	17.5	91.23	1,426.2	25.2		973.2	928.6	44.59	21.823	
11,875.0	10,546.8	11,859.7	10,566.2	27.2	17.9	91.23	1,501.2	24.7		972.8	927.6	45.20	21.520	
11,900.0	10,546.9	11,884.7	10,566.2	27.3	18.0	91.23	1,526.2	24.5		972.7	927.3	45.41	21.421	
11,970.0	10,547.2	11,954.7	10,566.5	27.6	18.4	91.22	1,596.2	24.0		972.3	926.3	46.00	21.136	
12,000.0	10,547.3	11,984.7	10,566.6	27.7	18.5	91.22	1,626.2	23.8		972.2	925.9	46.26	21.016	
12,065.0	10,547.6	12,049.7	10,566.8	27.9	18.9	91.22	1,691.2	23.4		971.9	925.0	46.83	20.752	
12,100.0	10,547.7	12,084.7	10,566.9	28.0	19.1	91.22	1,726.2	23.2		971.7	924.6	47.14	20.611	
12,160.0	10,548.0	12,144.7	10,567.0	28.2	19.4	91.21	1,786.2	22.7		971.4	923.7	47.69	20.368	
12,200.0	10,548.1	12,184.7	10,567.2	28.4	19.6	91.21	1,826.2	22.5		971.2	923.2	48.06	20.208	

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
12,255.0	10,548.4	12,239.7	10,567.3	28.6	19.9	91.21	1,881.2	22.1	971.0	922.4	48.58	19.987		
12,300.0	10,548.5	12,284.7	10,567.5	28.8	20.2	91.20	1,926.2	21.8	970.7	921.7	49.01	19.809		
12,350.0	10,548.8	12,334.7	10,567.6	29.0	20.5	91.20	1,976.1	21.5	970.5	921.0	49.49	19.609		
12,400.0	10,549.0	12,384.7	10,567.8	29.2	20.8	91.20	2,026.1	21.1	970.3	920.3	49.98	19.413		
12,445.0	10,549.2	12,429.7	10,567.9	29.4	21.0	91.20	2,071.1	20.8	970.0	919.6	50.43	19.236		
12,500.0	10,549.4	12,484.7	10,568.1	29.6	21.3	91.19	2,126.1	20.5	969.8	918.8	50.98	19.023		
12,540.0	10,549.6	12,524.7	10,568.2	29.8	21.6	91.19	2,166.1	20.2	969.6	918.2	51.39	18.868		
12,600.0	10,549.8	12,584.7	10,568.4	30.0	21.9	91.19	2,226.1	19.8	969.3	917.3	52.00	18.639		
12,635.0	10,550.0	12,619.7	10,568.5	30.2	22.2	91.18	2,261.1	19.6	969.1	916.8	52.37	18.506		
12,700.0	10,550.2	12,684.7	10,568.7	30.5	22.6	91.18	2,326.1	19.1	968.8	915.8	53.05	18.262		
12,730.0	10,550.4	12,714.7	10,568.8	30.6	22.7	91.18	2,356.1	18.9	968.7	915.3	53.37	18.150		
12,800.0	10,550.6	12,784.7	10,569.0	30.9	23.2	91.18	2,426.1	18.4	968.3	914.2	54.12	17.892		
12,825.0	10,550.7	12,809.7	10,569.1	31.1	23.3	91.17	2,451.1	18.3	968.2	913.8	54.39	17.801		
12,900.0	10,551.1	12,884.7	10,569.3	31.4	23.8	91.17	2,526.1	17.8	967.9	912.6	55.21	17.530		
12,920.0	10,551.1	12,904.7	10,569.4	31.5	23.9	91.17	2,546.1	17.6	967.8	912.3	55.43	17.459		
13,000.0	10,551.5	12,984.7	10,569.6	31.9	24.4	91.16	2,626.1	17.1	967.4	911.1	56.32	17.176		
13,015.0	10,551.5	12,999.7	10,569.7	32.0	24.5	91.16	2,641.1	17.0	967.3	910.8	56.49	17.124		
13,100.0	10,551.9	13,084.7	10,569.9	32.4	25.1	91.16	2,726.1	16.4	966.9	909.4	57.45	16.831		
13,110.0	10,551.9	13,094.7	10,570.0	32.4	25.1	91.16	2,736.1	16.4	966.8	909.3	57.56	16.797		
13,200.0	10,552.3	13,184.7	10,570.3	32.9	25.7	91.15	2,826.1	15.7	966.4	907.8	58.59	16.494		
13,205.0	10,552.3	13,189.7	10,570.3	32.9	25.7	91.15	2,831.1	15.7	966.4	907.7	58.65	16.477		
13,300.0	10,552.7	13,284.7	10,570.6	33.4	26.4	91.15	2,926.1	15.1	965.9	906.2	59.75	16.165		
13,395.0	10,553.1	13,379.7	10,570.9	33.9	27.0	91.14	3,021.1	14.4	965.5	904.6	60.87	15.861		
13,400.0	10,553.2	13,384.7	10,570.9	33.9	27.0	91.14	3,026.1	14.4	965.4	904.5	60.93	15.845		
13,490.0	10,553.5	13,474.7	10,571.2	34.4	27.6	91.13	3,116.1	13.8	965.0	903.0	62.00	15.564		
13,500.0	10,553.6	13,484.7	10,571.2	34.5	27.7	91.13	3,126.1	13.7	965.0	902.8	62.12	15.533		
13,585.0	10,553.9	13,569.7	10,571.4	34.9	28.3	91.13	3,211.1	13.2	964.6	901.4	63.15	15.275		
13,600.0	10,554.0	13,584.6	10,571.5	35.0	28.4	91.13	3,226.1	13.1	964.5	901.2	63.33	15.230		
13,680.0	10,554.3	13,664.6	10,571.7	35.4	28.9	91.12	3,306.1	12.5	964.1	899.8	64.30	14.993		
13,700.0	10,554.4	13,684.6	10,571.8	35.5	29.0	91.12	3,326.1	12.4	964.0	899.5	64.54	14.935		
13,775.0	10,554.7	13,759.6	10,572.0	36.0	29.5	91.12	3,401.1	11.9	963.6	898.2	65.47	14.719		
13,800.0	10,554.8	13,784.6	10,572.1	36.1	29.7	91.12	3,426.1	11.7	963.5	897.7	65.77	14.649		
13,870.0	10,555.1	13,854.6	10,572.3	36.5	30.2	91.11	3,496.1	11.2	963.2	896.5	66.64	14.453		
13,900.0	10,555.3	13,884.6	10,572.4	36.7	30.4	91.11	3,526.1	11.0	963.0	896.0	67.02	14.370		
13,965.0	10,555.5	13,949.6	10,572.6	37.0	30.8	91.11	3,591.1	10.6	962.7	894.9	67.83	14.193		
14,000.0	10,555.7	13,984.6	10,572.7	37.2	31.1	91.10	3,626.1	10.4	962.5	894.3	68.27	14.099		
14,060.0	10,555.9	14,044.6	10,572.9	37.6	31.5	91.10	3,686.1	10.0	962.3	893.2	69.03	13.940		
14,100.0	10,556.1	14,084.6	10,573.0	37.8	31.8	91.10	3,726.1	9.7	962.1	892.5	69.53	13.836		
14,155.0	10,556.3	14,139.6	10,573.2	38.1	32.1	91.09	3,781.1	9.3	961.8	891.6	70.23	13.694		
14,200.0	10,556.5	14,184.6	10,573.3	38.4	32.5	91.09	3,826.1	9.0	961.6	890.8	70.81	13.580		
14,250.0	10,556.7	14,234.6	10,573.5	38.7	32.8	91.09	3,876.1	8.7	961.3	889.9	71.45	13.455		
14,300.0	10,556.9	14,284.6	10,573.7	39.0	33.2	91.09	3,926.1	8.3	961.1	889.0	72.09	13.332		
14,345.0	10,557.1	14,329.6	10,573.8	39.2	33.5	91.08	3,971.1	8.0	960.9	888.2	72.67	13.223		
14,400.0	10,557.4	14,384.6	10,574.0	39.6	33.9	91.08	4,026.1	7.7	960.6	887.2	73.38	13.091		
14,440.0	10,557.5	14,424.6	10,574.1	39.8	34.1	91.08	4,066.1	7.4	960.4	886.5	73.90	12.996		
14,500.0	10,557.8	14,484.6	10,574.3	40.2	34.6	91.07	4,126.1	7.0	960.1	885.5	74.68	12.856		
14,535.0	10,557.9	14,519.6	10,574.4	40.4	34.8	91.07	4,161.1	6.8	960.0	884.8	75.14	12.776		
14,600.0	10,558.2	14,584.6	10,574.6	40.8	35.3	91.07	4,226.1	6.3	959.7	883.7	75.99	12.629		
14,630.0	10,558.3	14,614.6	10,574.7	41.0	35.5	91.07	4,256.1	6.1	959.5	883.1	76.38	12.562		
14,700.0	10,558.6	14,684.6	10,574.9	41.4	36.0	91.06	4,326.1	5.7	959.2	881.9	77.31	12.408		
14,725.0	10,558.7	14,709.6	10,575.0	41.5	36.1	91.06	4,351.1	5.5	959.1	881.4	77.64	12.353		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-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
14,800.0	10,559.0	14,784.6	10,575.2	42.0	36.7	91.05	4,426.1	5.0	958.7	880.1	78.63	12.193	
14,820.0	10,559.1	14,804.6	10,575.3	42.1	36.8	91.05	4,446.1	4.8	958.6	879.7	78.89	12.150	
14,900.0	10,559.4	14,884.6	10,575.5	42.6	37.4	91.05	4,526.0	4.3	958.2	878.3	79.96	11.984	
14,915.0	10,559.5	14,899.6	10,575.6	42.7	37.5	91.05	4,541.0	4.2	958.1	878.0	80.16	11.953	
15,000.0	10,559.9	14,984.6	10,575.8	43.2	38.1	91.04	4,626.0	3.6	957.7	876.4	81.30	11.781	
15,010.0	10,559.9	14,994.6	10,575.8	43.3	38.2	91.04	4,636.0	3.6	957.7	876.3	81.43	11.761	
15,100.0	10,560.3	15,084.6	10,576.1	43.9	38.8	91.04	4,726.0	3.0	957.2	874.6	82.64	11.583	
15,105.0	10,560.3	15,089.6	10,576.1	43.9	38.9	91.04	4,731.0	2.9	957.2	874.5	82.71	11.574	
15,200.0	10,560.7	15,184.6	10,576.4	44.5	39.5	91.03	4,826.0	2.3	956.8	872.8	83.99	11.392	
15,295.0	10,561.1	15,279.6	10,576.7	45.1	40.2	91.02	4,921.0	1.7	956.3	871.0	85.28	11.214	
15,300.0	10,561.1	15,284.6	10,576.7	45.1	40.3	91.02	4,926.0	1.6	956.3	870.9	85.34	11.205	
15,390.0	10,561.5	15,374.6	10,577.0	45.7	40.9	91.02	5,016.0	1.0	955.9	869.3	86.57	11.041	
15,400.0	10,561.5	15,384.6	10,577.0	45.8	41.0	91.02	5,026.0	0.9	955.8	869.1	86.71	11.024	
15,485.0	10,561.9	15,469.6	10,577.3	46.3	41.6	91.01	5,111.0	0.4	955.4	867.5	87.87	10.873	
15,500.0	10,562.0	15,484.6	10,577.4	46.4	41.7	91.01	5,126.0	0.3	955.3	867.2	88.07	10.847	
15,580.0	10,562.3	15,564.6	10,577.6	46.9	42.3	91.01	5,206.0	-0.3	954.9	865.8	89.17	10.709	
15,600.0	10,562.4	15,584.6	10,577.7	47.1	42.4	91.01	5,226.0	-0.4	954.8	865.4	89.44	10.675	
15,675.0	10,562.7	15,659.6	10,577.9	47.6	43.0	91.00	5,301.0	-0.9	954.5	864.0	90.47	10.550	
15,700.0	10,562.8	15,684.6	10,578.0	47.7	43.1	91.00	5,326.0	-1.1	954.4	863.5	90.82	10.508	
15,770.0	10,563.1	15,754.6	10,578.2	48.2	43.7	91.00	5,396.0	-1.5	954.0	862.2	91.78	10.394	
15,800.0	10,563.2	15,784.6	10,578.3	48.4	43.9	90.99	5,426.0	-1.7	953.9	861.7	92.20	10.346	
15,865.0	10,563.5	15,849.6	10,578.5	48.8	44.3	90.99	5,491.0	-2.2	953.6	860.5	93.10	10.242	
15,900.0	10,563.6	15,884.6	10,578.6	49.0	44.6	90.99	5,526.0	-2.4	953.4	859.8	93.58	10.188	
15,960.0	10,563.9	15,944.6	10,578.8	49.4	45.0	90.98	5,586.0	-2.8	953.1	858.7	94.42	10.095	
16,000.0	10,564.1	15,984.6	10,578.9	49.7	45.3	90.98	5,626.0	-3.1	952.9	857.9	94.97	10.034	
16,055.0	10,564.3	16,039.6	10,579.1	50.1	45.7	90.98	5,681.0	-3.5	952.6	856.9	95.74	9.950	
16,100.0	10,564.5	16,084.6	10,579.2	50.4	46.1	90.98	5,726.0	-3.8	952.4	856.1	96.37	9.883	
16,150.0	10,564.7	16,134.6	10,579.4	50.7	46.4	90.97	5,776.0	-4.1	952.2	855.1	97.06	9.810	
16,200.0	10,564.9	16,184.6	10,579.5	51.0	46.8	90.97	5,826.0	-4.4	951.9	854.2	97.76	9.737	
16,245.0	10,565.1	16,229.6	10,579.7	51.3	47.1	90.97	5,871.0	-4.7	951.7	853.3	98.39	9.673	
16,300.0	10,565.3	16,284.6	10,579.8	51.7	47.5	90.96	5,926.0	-5.1	951.5	852.3	99.16	9.595	
16,340.0	10,565.5	16,324.6	10,580.0	52.0	47.8	90.96	5,966.0	-5.4	951.3	851.5	99.73	9.539	
16,400.0	10,565.7	16,384.6	10,580.1	52.4	48.3	90.96	6,026.0	-5.8	951.0	850.4	100.57	9.456	
16,435.0	10,565.9	16,419.6	10,580.2	52.6	48.5	90.95	6,061.0	-6.0	950.8	849.8	101.06	9.408	
16,500.0	10,566.2	16,484.6	10,580.4	53.0	49.0	90.95	6,126.0	-6.5	950.5	848.5	101.98	9.321	
16,530.0	10,566.3	16,514.6	10,580.5	53.3	49.2	90.95	6,156.0	-6.7	950.4	848.0	102.40	9.281	
16,600.0	10,566.6	16,584.6	10,580.8	53.7	49.7	90.94	6,226.0	-7.1	950.0	846.6	103.39	9.189	
16,625.0	10,566.7	16,609.6	10,580.8	53.9	49.9	90.94	6,251.0	-7.3	949.9	846.2	103.74	9.156	
16,700.0	10,567.0	16,684.6	10,581.1	54.4	50.5	90.94	6,326.0	-7.8	949.5	844.7	104.80	9.060	
16,720.0	10,567.1	16,704.6	10,581.1	54.5	50.6	90.94	6,346.0	-7.9	949.4	844.4	105.08	9.035	
16,800.0	10,567.4	16,784.6	10,581.4	55.1	51.2	90.93	6,426.0	-8.5	949.1	842.8	106.22	8.935	
16,815.0	10,567.5	16,799.6	10,581.4	55.2	51.3	90.93	6,441.0	-8.6	949.0	842.6	106.43	8.916	
16,900.0	10,567.8	16,884.6	10,581.7	55.8	51.9	90.93	6,526.0	-9.2	948.6	840.9	107.64	8.813	
16,910.0	10,567.9	16,894.6	10,581.7	55.8	52.0	90.93	6,536.0	-9.2	948.5	840.7	107.78	8.800	
17,000.0	10,568.3	16,984.6	10,582.0	56.5	52.7	90.92	6,626.0	-9.8	948.1	839.0	109.06	8.693	
17,005.0	10,568.3	16,989.6	10,582.0	56.5	52.7	90.92	6,631.0	-9.9	948.1	838.9	109.13	8.687	
17,100.0	10,568.7	17,084.6	10,582.3	57.1	53.4	90.91	6,726.0	-10.5	947.6	837.1	110.49	8.577	
17,195.0	10,569.1	17,179.6	10,582.6	57.8	54.1	90.91	6,821.0	-11.1	947.2	835.3	111.85	8.468	
17,200.0	10,569.1	17,184.6	10,582.6	57.8	54.1	90.91	6,826.0	-11.2	947.1	835.2	111.92	8.463	
17,290.0	10,569.5	17,274.6	10,582.9	58.4	54.8	90.90	6,916.0	-11.8	946.7	833.5	113.20	8.363	
17,300.0	10,569.5	17,284.6	10,582.9	58.5	54.9	90.90	6,926.0	-11.8	946.6	833.3	113.35	8.352	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #902H - OWB - PWP0.1											Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor
17,385.0	10,569.9	17,369.6	10,583.2	59.1	55.5	90.90	7,010.9	-12.4	946.2	831.7	114.57	8.259
17,400.0	10,569.9	17,384.6	10,583.2	59.2	55.6	90.89	7,025.9	-12.5	946.2	831.4	114.78	8.243
17,480.0	10,570.3	17,464.6	10,583.5	59.8	56.2	90.89	7,105.9	-13.1	945.8	829.9	115.93	8.158
17,500.0	10,570.4	17,484.6	10,583.5	59.9	56.4	90.89	7,125.9	-13.2	945.7	829.5	116.22	8.137
17,575.0	10,570.7	17,559.6	10,583.8	60.4	56.9	90.88	7,200.9	-13.7	945.3	828.0	117.30	8.059
17,600.0	10,570.8	17,584.6	10,583.8	60.6	57.1	90.88	7,225.9	-13.9	945.2	827.5	117.65	8.034
17,670.0	10,571.1	17,654.6	10,584.1	61.1	57.6	90.88	7,295.9	-14.3	944.9	826.2	118.66	7.963
17,700.0	10,571.2	17,684.6	10,584.2	61.3	57.9	90.88	7,325.9	-14.5	944.7	825.6	119.09	7.933
17,765.0	10,571.5	17,749.6	10,584.4	61.8	58.3	90.87	7,390.9	-15.0	944.4	824.4	120.03	7.868
17,800.0	10,571.6	17,784.6	10,584.5	62.0	58.6	90.87	7,425.9	-15.2	944.2	823.7	120.54	7.834
17,860.0	10,571.9	17,844.6	10,584.6	62.4	59.0	90.87	7,485.9	-15.6	944.0	822.5	121.40	7.775
17,900.0	10,572.0	17,884.6	10,584.8	62.7	59.3	90.86	7,525.9	-15.9	943.8	821.8	121.98	7.737
17,955.0	10,572.3	17,939.6	10,584.9	63.1	59.7	90.86	7,580.9	-16.2	943.5	820.7	122.78	7.685
18,000.0	10,572.4	17,984.6	10,585.1	63.4	60.1	90.86	7,625.9	-16.6	943.3	819.8	123.43	7.642
18,050.0	10,572.7	18,034.6	10,585.2	63.8	60.5	90.85	7,675.9	-16.9	943.0	818.9	124.15	7.596
18,100.0	10,572.9	18,084.6	10,585.4	64.1	60.8	90.85	7,725.9	-17.2	942.8	817.9	124.88	7.550
18,145.0	10,573.1	18,129.6	10,585.5	64.4	61.2	90.85	7,770.9	-17.5	942.6	817.1	125.53	7.509
18,200.0	10,573.3	18,184.6	10,585.7	64.8	61.6	90.84	7,825.9	-17.9	942.3	816.0	126.33	7.459
18,240.0	10,573.5	18,224.6	10,585.8	65.1	61.9	90.84	7,865.9	-18.2	942.1	815.2	126.91	7.424
18,300.0	10,573.7	18,284.6	10,586.0	65.5	62.3	90.84	7,925.9	-18.6	941.8	814.1	127.77	7.371
18,304.7	10,573.7	18,284.8	10,586.0	65.5	62.3	90.84	7,926.1	-18.6	941.8	814.0	127.79	7.370
18,335.0	10,573.9	18,284.8	10,586.0	65.8	62.3	90.84	7,926.1	-18.6	942.3	814.5	127.83	7.372
18,400.0	10,574.1	18,284.8	10,586.0	66.2	62.3	90.84	7,926.1	-18.6	946.6	819.1	127.52	7.423
18,430.0	10,574.3	18,284.8	10,586.0	66.4	62.3	90.84	7,926.1	-18.6	950.1	822.9	127.20	7.469
18,500.0	10,574.5	18,284.8	10,586.0	66.9	62.3	90.84	7,926.1	-18.6	961.8	835.8	126.05	7.630
18,525.0	10,574.6	18,284.8	10,586.0	67.1	62.3	90.84	7,926.1	-18.6	967.2	841.7	125.52	7.706
18,600.0	10,575.0	18,284.8	10,586.0	67.6	62.3	90.84	7,926.1	-18.6	987.0	863.5	123.54	7.989
18,620.0	10,575.0	18,284.8	10,586.0	67.8	62.3	90.84	7,926.1	-18.6	993.2	870.2	122.94	8.079
18,700.0	10,575.4	18,284.8	10,586.0	68.4	62.3	90.84	7,926.1	-18.6	1,021.4	901.2	120.23	8.495
18,715.0	10,575.4	18,284.8	10,586.0	68.5	62.3	90.84	7,926.1	-18.6	1,027.3	907.6	119.68	8.584
18,800.0	10,575.8	18,284.8	10,586.0	69.1	62.3	90.84	7,926.1	-18.6	1,064.1	947.7	116.37	9.144
18,810.0	10,575.8	18,284.8	10,586.0	69.1	62.3	90.84	7,926.1	-18.6	1,068.8	952.8	115.96	9.217
18,900.0	10,576.2	18,284.8	10,586.0	69.8	62.3	90.84	7,926.1	-18.6	1,114.2	1,001.9	112.20	9.930
18,905.0	10,576.2	18,284.8	10,586.0	69.8	62.3	90.84	7,926.1	-18.6	1,116.8	1,004.8	111.99	9.973
19,000.0	10,576.6	18,284.8	10,586.0	70.5	62.3	90.84	7,926.1	-18.6	1,170.6	1,062.7	107.94	10.845
19,095.0	10,577.0	18,284.8	10,586.0	71.2	62.3	90.84	7,926.1	-18.6	1,229.4	1,125.5	103.94	11.828
19,100.0	10,577.1	18,284.8	10,586.0	71.2	62.3	90.84	7,926.1	-18.6	1,232.6	1,128.9	103.73	11.883
19,190.0	10,577.4	18,284.8	10,586.0	71.8	62.3	90.84	7,926.1	-18.6	1,292.5	1,192.5	100.08	12.915
19,200.0	10,577.5	18,284.8	10,586.0	71.9	62.3	90.84	7,926.1	-18.6	1,299.4	1,199.7	99.69	13.035

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	89.60	0.2	30.0	30.0	23.9	6.05	4.958		
95.0	95.0	94.1	94.1	3.0	3.0	89.60	0.2	30.0	30.0	23.9	6.06	4.952		
100.0	100.0	99.1	99.1	3.0	3.0	89.60	0.2	30.0	30.0	23.7	6.27	4.786		
190.0	190.0	189.1	189.1	3.1	3.1	89.60	0.2	30.0	30.0	23.7	6.30	4.761		
200.0	200.0	199.1	199.1	3.2	3.2	89.60	0.2	30.0	30.0	23.5	6.50	4.617		
285.0	285.0	284.1	284.1	3.3	3.3	89.60	0.2	30.0	30.0	23.5	6.54	4.589		
300.0	300.0	299.1	299.1	3.3	3.3	89.60	0.2	30.0	30.0	23.3	6.71	4.466		
380.0	380.0	379.1	379.1	3.4	3.4	89.60	0.2	30.0	30.0	23.2	6.76	4.434		
400.0	400.0	399.1	399.1	3.4	3.4	89.60	0.2	30.0	30.0	23.1	6.93	4.330		
475.0	475.0	474.1	474.1	3.5	3.5	89.60	0.2	30.0	30.0	23.0	6.98	4.295		
500.0	500.0	499.1	499.1	3.5	3.5	89.60	0.2	30.0	30.0	22.9	7.13	4.206		
570.0	570.0	569.1	569.1	3.6	3.6	89.60	0.2	30.0	30.0	22.8	7.20	4.167		
600.0	600.0	599.1	599.1	3.6	3.6	89.60	0.2	30.0	30.0	22.7	7.33	4.092		
665.0	665.0	664.1	664.1	3.7	3.7	89.60	0.2	30.0	30.0	22.6	7.40	4.051		
700.0	700.0	699.1	699.1	3.8	3.8	89.60	0.2	30.0	30.0	22.5	7.52	3.986		
760.0	760.0	759.1	759.1	3.8	3.8	89.60	0.2	30.0	30.0	22.4	7.61	3.943		
800.0	800.0	799.1	799.1	3.9	3.9	89.60	0.2	30.0	30.0	22.3	7.71	3.889		
855.0	855.0	854.1	854.1	4.0	4.0	89.60	0.2	30.0	30.0	22.2	7.80	3.844		
900.0	900.0	899.1	899.1	4.0	4.0	89.60	0.2	30.0	30.0	22.1	7.90	3.798		
950.0	950.0	949.1	949.1	4.1	4.1	89.60	0.2	30.0	30.0	22.0	7.99	3.752		
1,000.0	1,000.0	999.1	999.1	4.1	4.1	89.60	0.2	30.0	30.0	21.9	8.08	3.713		
1,045.0	1,045.0	1,044.1	1,044.1	4.2	4.2	89.60	0.2	30.0	30.0	21.8	8.18	3.666		
1,100.0	1,100.0	1,099.1	1,099.1	4.3	4.3	89.60	0.2	30.0	30.0	21.7	8.25	3.634		
1,140.0	1,140.0	1,139.1	1,139.1	4.3	4.3	89.60	0.2	30.0	30.0	21.6	8.36	3.586		
1,200.0	1,200.0	1,199.1	1,199.1	4.4	4.4	89.60	0.2	30.0	30.0	21.6	8.43	3.560		
1,235.0	1,235.0	1,234.1	1,234.1	4.4	4.4	89.60	0.2	30.0	30.0	21.4	8.54	3.511		
1,300.0	1,300.0	1,299.1	1,299.1	4.5	4.5	89.60	0.2	30.0	30.0	21.4	8.59	3.490		
1,330.0	1,330.0	1,329.1	1,329.1	4.5	4.5	89.60	0.2	30.0	30.0	21.3	8.72	3.440		
1,400.0	1,400.0	1,399.1	1,399.1	4.6	4.6	89.60	0.2	30.0	30.0	21.2	8.76	3.424		
1,425.0	1,425.0	1,424.1	1,424.1	4.6	4.6	89.60	0.2	30.0	30.0	21.1	8.89	3.374		
1,500.0	1,500.0	1,499.1	1,499.1	4.7	4.7	89.60	0.2	29.9	30.0	21.0	8.96	3.346		
1,520.0	1,520.0	1,519.3	1,519.3	4.7	4.7	178.03	0.3	28.2	30.0	20.7	9.27	3.236		
1,600.0	1,600.0	1,600.1	1,600.1	4.8	4.8	177.93	0.3	27.7	30.0	20.7	9.35	3.208		
1,615.0	1,615.0	1,615.3	1,615.3	4.8	4.8	177.90	0.6	22.9	30.0	20.2	9.82	3.053		
1,700.0	1,699.8	1,701.2	1,701.0	5.0	5.0	177.63	0.7	22.2	30.0	20.1	9.88	3.036		
1,710.0	1,709.8	1,711.3	1,711.1	5.0	5.0	177.58	1.1	14.1	29.9	19.6	10.39	2.881		
1,800.0	1,799.5	1,802.3	1,801.7	5.2	5.2	177.11	1.2	13.6	29.9	19.5	10.42	2.873		
1,805.0	1,804.4	1,807.3	1,806.7	5.2	5.2	177.08	1.8	2.8	29.9	18.9	10.95	2.730		
1,892.3	1,891.1	1,895.5	1,894.3	5.5	5.5	176.45	1.8	1.7	29.9	18.9	10.99	2.718 CC, ES		
1,900.0	1,898.7	1,903.3	1,901.9	5.5	5.5	176.39	2.6	-11.5	31.5	19.9	11.54	2.728		
1,995.0	1,992.5	1,998.3	1,996.0	5.8	5.8	175.85	2.6	-12.2	31.7	20.1	11.57	2.736		
2,000.0	1,997.5	2,003.3	2,000.9	5.9	5.8	175.83	3.3	-24.7	36.2	24.1	12.13	2.987		
2,090.0	2,085.8	2,093.1	2,090.0	6.2	6.0	175.76	3.4	-26.1	36.9	24.7	12.19	3.027		
2,100.0	2,095.6	2,103.1	2,099.8	6.2	6.0	175.77	4.1	-37.8	44.1	31.4	12.76	3.458		
2,185.0	2,178.5	2,187.8	2,183.7	6.5	6.3	175.99	4.2	-39.9	45.6	32.8	12.86	3.550		
2,200.1	2,193.1	2,202.8	2,198.5	6.6	6.3	176.04	4.9	-51.0	54.0	40.7	13.36	4.044		
2,280.0	2,270.7	2,282.3	2,277.3	6.8	6.6	176.30	5.0	-53.7	56.1	42.6	13.48	4.161		
2,300.0	2,290.1	2,302.2	2,297.0	6.9	6.6	176.36	5.6	-64.1	64.0	50.0	13.98	4.576		
2,375.0	2,362.9	2,376.8	2,370.8	7.1	6.9	176.52	5.8	-67.5	66.6	52.4	14.14	4.708		
2,400.0	2,387.1	2,401.6	2,395.4	7.2	6.9	176.57	6.4	-77.2	73.9	59.3	14.62	5.054		
2,470.0	2,455.0	2,471.2	2,464.4	7.5	7.2	176.68								

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 (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)					
2,500.0	2,484.1	2,501.1	2,493.9	7.6	7.3	176.73	6.6	-81.4	77.0	62.2	14.83	5.195	
2,565.0	2,547.2	2,565.7	2,557.9	7.8	7.5	176.81	7.1	-90.3	83.8	68.6	15.29	5.483	
2,600.0	2,581.2	2,600.5	2,592.4	7.9	7.6	176.84	7.4	-95.2	87.5	72.0	15.54	5.630	
2,660.0	2,639.4	2,660.2	2,651.5	8.2	7.8	176.90	7.9	-103.5	93.8	77.8	15.98	5.867	
2,700.0	2,678.2	2,700.0	2,690.9	8.3	7.9	176.94	8.2	-109.0	98.0	81.7	16.28	6.018	
2,755.0	2,731.6	2,754.7	2,745.1	8.5	8.1	176.98	8.6	-116.6	103.7	87.0	16.69	6.213	
2,800.0	2,775.2	2,799.4	2,789.4	8.7	8.3	177.01	9.0	-122.8	108.4	91.4	17.04	6.366	
2,850.0	2,823.7	2,849.1	2,838.6	8.9	8.5	177.04	9.4	-129.7	113.7	96.3	17.42	6.525	
2,900.0	2,872.3	2,898.9	2,887.9	9.1	8.6	177.07	9.8	-136.6	118.9	101.1	17.81	6.677	
2,945.0	2,915.9	2,943.6	2,932.2	9.3	8.8	177.10	10.1	-142.9	123.6	105.5	18.16	6.806	
3,000.0	2,969.3	2,998.3	2,986.3	9.5	9.0	177.13	10.6	-150.5	129.4	110.8	18.60	6.957	
3,040.0	3,008.1	3,038.1	3,025.7	9.7	9.2	177.14	10.9	-156.0	133.6	114.7	18.92	7.061	
3,100.0	3,066.3	3,097.8	3,084.8	9.9	9.4	177.17	11.4	-164.3	139.8	120.5	19.40	7.210	
3,135.0	3,100.3	3,132.6	3,119.3	10.1	9.5	177.18	11.6	-169.1	143.5	123.8	19.68	7.292	
3,200.0	3,163.3	3,197.2	3,183.3	10.3	9.8	177.21	12.2	-178.1	150.3	130.1	20.21	7.438	
3,230.0	3,192.5	3,227.1	3,212.8	10.5	9.9	177.22	12.4	-182.2	153.5	133.0	20.46	7.502	
3,300.0	3,260.4	3,296.7	3,281.8	10.8	10.1	177.24	13.0	-191.9	160.8	139.8	21.03	7.645	
3,325.0	3,284.6	3,321.5	3,306.4	10.9	10.2	177.25	13.2	-195.4	163.4	142.2	21.24	7.693	
3,400.0	3,357.4	3,396.1	3,380.3	11.2	10.5	177.27	13.7	-205.7	171.3	149.4	21.86	7.833	
3,420.0	3,376.8	3,416.0	3,400.0	11.3	10.6	177.27	13.9	-208.5	173.4	151.3	22.03	7.868	
3,500.0	3,454.4	3,495.6	3,478.7	11.6	10.9	177.29	14.5	-219.5	181.7	159.0	22.70	8.004	
3,515.0	3,469.0	3,510.5	3,493.5	11.7	11.0	177.30	14.7	-221.6	183.3	160.5	22.83	8.028	
3,600.0	3,551.5	3,595.0	3,577.2	12.1	11.3	177.32	15.3	-233.4	192.2	168.6	23.55	8.161	
3,610.0	3,561.2	3,605.0	3,587.1	12.1	11.3	177.32	15.4	-234.7	193.2	169.6	23.64	8.175	
3,700.0	3,648.5	3,694.5	3,675.7	12.5	11.7	177.34	16.1	-247.2	202.7	178.3	24.40	8.304	
3,705.0	3,653.3	3,699.5	3,680.6	12.5	11.7	177.34	16.2	-247.9	203.2	178.7	24.45	8.311	
3,800.0	3,745.5	3,793.9	3,774.2	13.0	12.1	177.36	16.9	-261.0	213.1	187.9	25.26	8.436	
3,895.0	3,837.7	3,888.4	3,867.8	13.4	12.5	177.37	17.7	-274.1	223.1	197.0	26.09	8.552	
3,900.0	3,842.5	3,893.4	3,872.7	13.4	12.5	177.37	17.7	-274.8	223.6	197.5	26.13	8.558	
3,990.0	3,929.9	3,982.9	3,961.3	13.8	12.8	177.39	18.4	-287.3	233.0	206.1	26.91	8.659	
4,000.0	3,939.6	3,992.8	3,971.2	13.9	12.9	177.39	18.5	-288.6	234.1	207.1	27.00	8.670	
4,085.0	4,022.1	4,077.4	4,054.9	14.3	13.2	177.40	19.2	-300.4	243.0	215.2	27.74	8.759	
4,100.0	4,036.6	4,092.3	4,069.6	14.3	13.3	177.40	19.3	-302.5	244.5	216.7	27.87	8.774	
4,180.0	4,114.2	4,171.8	4,148.4	14.7	13.6	177.41	19.9	-313.5	252.9	224.3	28.57	8.852	
4,200.0	4,133.6	4,191.7	4,168.1	14.8	13.7	177.42	20.1	-316.3	255.0	226.3	28.75	8.870	
4,275.0	4,206.4	4,266.3	4,242.0	15.1	14.0	177.42	20.7	-326.6	262.9	233.5	29.41	8.938	
4,300.0	4,230.7	4,291.2	4,266.6	15.2	14.1	177.43	20.9	-330.1	265.5	235.8	29.63	8.960	
4,370.0	4,298.6	4,360.8	4,335.5	15.6	14.4	177.43	21.4	-339.8	272.8	242.6	30.25	9.019	
4,400.0	4,327.7	4,390.6	4,365.1	15.7	14.5	177.44	21.7	-343.9	275.9	245.4	30.51	9.043	
4,465.0	4,390.8	4,455.3	4,429.1	16.0	14.8	177.44	22.2	-352.9	282.8	251.7	31.09	9.095	
4,500.0	4,424.7	4,490.1	4,463.6	16.2	14.9	177.45	22.5	-357.7	286.4	255.0	31.40	9.121	
4,560.0	4,482.9	4,549.8	4,522.7	16.5	15.2	177.45	23.0	-366.0	292.7	260.8	31.93	9.166	
4,600.0	4,521.8	4,589.5	4,562.1	16.6	15.3	177.46	23.3	-371.5	296.9	264.6	32.29	9.194	
4,655.0	4,575.1	4,644.2	4,616.2	16.9	15.5	177.46	23.7	-379.1	302.6	269.9	32.78	9.232	
4,700.0	4,618.8	4,689.0	4,660.5	17.1	15.7	177.47	24.1	-385.4	307.4	274.2	33.18	9.263	
4,750.0	4,667.3	4,738.7	4,709.8	17.3	15.9	177.47	24.5	-392.3	312.6	279.0	33.63	9.296	
4,800.0	4,715.8	4,788.4	4,759.0	17.6	16.1	177.47	24.9	-399.2	317.8	283.8	34.07	9.328	
4,845.0	4,759.5	4,830.9	4,801.1	17.8	16.3	177.48	25.2	-404.9	322.7	288.2	34.45	9.367	
4,900.0	4,812.8	4,882.6	4,852.4	18.0	16.5	177.49	25.6	-411.5	329.1	294.2	34.92	9.425	
4,940.0	4,851.6	4,920.1	4,889.6	18.2	16.7	177.50	25.8	-416.0	334.0	298.8	35.25	9.477	
5,000.0	4,909.9	4,976.3	4,945.4	18.5	16.9	177.53	26.2	-422.3	342.0	306.2	35.74	9.567	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
5,035.0	4,943.8	5,009.0	4,978.0	18.7	17.0	177.54	26.4	-425.7	346.9	310.8	36.03	9.627	
5,100.0	5,006.9	5,069.6	5,038.2	19.0	17.3	177.58	26.7	-431.5	356.5	319.9	36.55	9.753	
5,130.0	5,036.0	5,100.0	5,068.6	19.1	17.4	177.60	26.9	-434.2	361.1	324.3	36.82	9.809	
5,200.0	5,103.9	5,162.4	5,130.7	19.5	17.6	177.64	27.2	-439.1	372.5	335.2	37.33	9.980	
5,225.0	5,128.2	5,185.5	5,153.8	19.6	17.7	177.66	27.3	-440.8	376.8	339.3	37.52	10.042	
5,300.0	5,201.0	5,254.7	5,222.8	19.9	17.9	177.71	27.5	-445.3	390.2	352.1	38.08	10.246	
5,320.0	5,220.4	5,273.1	5,241.2	20.0	18.0	177.73	27.6	-446.3	394.0	355.7	38.23	10.304	
5,404.0	5,301.9	5,350.1	5,318.1	20.4	18.3	177.80	27.8	-450.1	410.3	371.5	38.84	10.564	
5,415.0	5,312.5	5,360.1	5,328.2	20.5	18.3	177.81	27.8	-450.5	412.5	373.6	38.92	10.599	
5,500.0	5,395.4	5,437.8	5,405.8	20.9	18.5	177.89	28.0	-453.1	428.7	389.2	39.51	10.852	
5,510.0	5,405.2	5,447.0	5,415.0	20.9	18.5	177.89	28.0	-453.3	430.6	391.0	39.57	10.880	
5,600.0	5,493.5	5,529.3	5,497.3	21.4	18.7	177.97	28.1	-454.7	446.1	406.0	40.12	11.119	
5,605.0	5,498.4	5,533.9	5,501.9	21.4	18.7	177.97	28.1	-454.8	446.9	406.8	40.15	11.132	
5,700.0	5,592.3	5,623.4	5,591.4	21.8	18.8	178.04	28.1	-455.1	461.5	420.9	40.62	11.363	
5,795.0	5,686.5	5,717.6	5,685.6	22.2	18.9	178.10	28.1	-455.1	473.3	432.3	41.07	11.525	
5,800.0	5,691.5	5,722.6	5,690.6	22.3	18.9	178.10	28.1	-455.1	473.9	432.8	41.09	11.531	
5,890.0	5,781.1	5,812.2	5,780.2	22.6	18.9	178.14	28.1	-455.1	482.0	440.5	41.49	11.616	
5,900.0	5,791.1	5,822.2	5,790.2	22.7	18.9	178.14	28.1	-455.1	482.7	441.2	41.54	11.621	
5,985.0	5,876.0	5,907.1	5,875.1	23.0	19.0	178.16	28.1	-455.1	487.5	445.6	41.88	11.640	
6,000.0	5,890.9	5,922.1	5,890.0	23.0	19.0	178.17	28.1	-455.1	488.1	446.2	41.94	11.638	
6,080.0	5,970.9	6,002.0	5,970.0	23.2	19.0	178.17	28.1	-455.1	489.9	447.8	42.11	11.632	
6,104.1	5,995.0	6,026.1	5,994.1	23.2	19.0	89.74	28.1	-455.1	490.0	447.8	42.17	11.620	
6,175.0	6,065.9	6,097.0	6,065.0	23.2	19.0	89.74	28.1	-455.1	490.0	447.8	42.22	11.606	
6,200.0	6,090.9	6,122.0	6,090.0	23.2	19.0	89.74	28.1	-455.1	490.0	447.8	42.23	11.601	
6,270.0	6,160.9	6,192.0	6,160.0	23.3	19.1	89.74	28.1	-455.1	490.0	447.7	42.29	11.587	
6,300.0	6,190.9	6,222.0	6,190.0	23.3	19.1	89.74	28.1	-455.1	490.0	447.7	42.31	11.581	
6,365.0	6,255.9	6,287.0	6,255.0	23.3	19.1	89.74	28.1	-455.1	490.0	447.6	42.36	11.568	
6,400.0	6,290.9	6,322.0	6,290.0	23.3	19.1	89.74	28.1	-455.1	490.0	447.6	42.38	11.561	
6,460.0	6,350.9	6,382.0	6,350.0	23.3	19.2	89.74	28.1	-455.1	490.0	447.6	42.43	11.549	
6,500.0	6,390.9	6,422.0	6,390.0	23.3	19.2	89.74	28.1	-455.1	490.0	447.5	42.46	11.541	
6,555.0	6,445.9	6,477.0	6,445.0	23.4	19.2	89.74	28.1	-455.1	490.0	447.5	42.50	11.530	
6,600.0	6,490.9	6,522.0	6,490.0	23.4	19.2	89.74	28.1	-455.1	490.0	447.5	42.53	11.520	
6,650.0	6,540.9	6,572.0	6,540.0	23.4	19.2	89.74	28.1	-455.1	490.0	447.4	42.57	11.510	
6,700.0	6,590.9	6,622.0	6,590.0	23.4	19.3	89.74	28.1	-455.1	490.0	447.4	42.61	11.500	
6,745.0	6,635.9	6,667.0	6,635.0	23.4	19.3	89.74	28.1	-455.1	490.0	447.3	42.64	11.491	
6,800.0	6,690.9	6,722.0	6,690.0	23.4	19.3	89.74	28.1	-455.1	490.0	447.3	42.68	11.479	
6,840.0	6,730.9	6,762.0	6,730.0	23.5	19.3	89.74	28.1	-455.1	490.0	447.3	42.71	11.471	
6,900.0	6,790.9	6,822.0	6,790.0	23.5	19.3	89.74	28.1	-455.1	490.0	447.2	42.76	11.459	
6,935.0	6,825.9	6,857.0	6,825.0	23.5	19.4	89.74	28.1	-455.1	490.0	447.2	42.79	11.452	
7,000.0	6,890.9	6,922.0	6,890.0	23.5	19.4	89.74	28.1	-455.1	490.0	447.1	42.84	11.438	
7,030.0	6,920.9	6,952.0	6,920.0	23.5	19.4	89.74	28.1	-455.1	490.0	447.1	42.86	11.432	
7,100.0	6,990.9	7,022.0	6,990.0	23.5	19.4	89.74	28.1	-455.1	490.0	447.1	42.91	11.418	
7,125.0	7,015.9	7,047.0	7,015.0	23.6	19.4	89.74	28.1	-455.1	490.0	447.1	42.93	11.412	
7,200.0	7,090.9	7,122.0	7,090.0	23.6	19.5	89.74	28.1	-455.1	490.0	447.0	42.99	11.397	
7,220.0	7,110.9	7,142.0	7,110.0	23.6	19.5	89.74	28.1	-455.1	490.0	447.0	43.01	11.393	
7,300.0	7,190.9	7,222.0	7,190.0	23.6	19.5	89.74	28.1	-455.1	490.0	446.9	43.07	11.376	
7,315.0	7,205.9	7,237.0	7,205.0	23.6	19.5	89.74	28.1	-455.1	490.0	446.9	43.08	11.373	
7,400.0	7,290.9	7,322.0	7,290.0	23.6	19.6	89.74	28.1	-455.1	490.0	446.8	43.15	11.355	
7,410.0	7,300.9	7,332.0	7,300.0	23.6	19.6	89.74	28.1	-455.1	490.0	446.8	43.16	11.353	
7,500.0	7,390.9	7,422.0	7,390.0	23.7	19.6	89.74	28.1	-455.1	490.0	446.8	43.23	11.334	
7,505.0	7,395.9	7,427.0	7,395.0	23.7	19.6	89.74	28.1	-455.1	490.0	446.8	43.23	11.333	

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 (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)					
7,600.0	7,490.9	7,522.0	7,490.0	23.7	19.6	89.74	28.1	-455.1	490.0	446.7	43.31	11.314	
7,695.0	7,585.9	7,617.0	7,585.0	23.7	19.7	89.74	28.1	-455.1	490.0	446.6	43.39	11.294	
7,700.0	7,590.9	7,622.0	7,590.0	23.8	19.7	89.74	28.1	-455.1	490.0	446.6	43.39	11.293	
7,790.0	7,680.9	7,712.0	7,680.0	23.8	19.7	89.74	28.1	-455.1	490.0	446.5	43.46	11.274	
7,800.0	7,690.9	7,722.0	7,690.0	23.8	19.7	89.74	28.1	-455.1	490.0	446.5	43.47	11.272	
7,885.0	7,775.9	7,807.0	7,775.0	23.8	19.8	89.74	28.1	-455.1	490.0	446.4	43.54	11.254	
7,900.0	7,790.9	7,822.0	7,790.0	23.8	19.8	89.74	28.1	-455.1	490.0	446.4	43.55	11.251	
7,980.0	7,870.9	7,902.0	7,870.0	23.9	19.8	89.74	28.1	-455.1	490.0	446.4	43.62	11.234	
8,000.0	7,890.9	7,922.0	7,890.0	23.9	19.8	89.74	28.1	-455.1	490.0	446.4	43.63	11.229	
8,075.0	7,965.9	7,997.0	7,965.0	23.9	19.9	89.74	28.1	-455.1	490.0	446.3	43.70	11.214	
8,100.0	7,990.9	8,022.0	7,990.0	23.9	19.9	89.74	28.1	-455.1	490.0	446.3	43.72	11.208	
8,170.0	8,060.9	8,092.0	8,060.0	23.9	19.9	89.74	28.1	-455.1	490.0	446.2	43.77	11.194	
8,200.0	8,090.9	8,122.0	8,090.0	23.9	19.9	89.74	28.1	-455.1	490.0	446.2	43.80	11.187	
8,265.0	8,155.9	8,187.0	8,155.0	24.0	19.9	89.74	28.1	-455.1	490.0	446.1	43.85	11.173	
8,300.0	8,190.9	8,222.0	8,190.0	24.0	20.0	89.74	28.1	-455.1	490.0	446.1	43.88	11.166	
8,360.0	8,250.9	8,282.0	8,250.0	24.0	20.0	89.74	28.1	-455.1	490.0	446.1	43.93	11.153	
8,400.0	8,290.9	8,322.0	8,290.0	24.0	20.0	89.74	28.1	-455.1	490.0	446.0	43.97	11.145	
8,455.0	8,345.9	8,377.0	8,345.0	24.0	20.0	89.74	28.1	-455.1	490.0	446.0	44.01	11.133	
8,500.0	8,390.9	8,422.0	8,390.0	24.0	20.1	89.74	28.1	-455.1	490.0	445.9	44.05	11.124	
8,550.0	8,440.9	8,472.0	8,440.0	24.1	20.1	89.74	28.1	-455.1	490.0	445.9	44.09	11.113	
8,600.0	8,490.9	8,522.0	8,490.0	24.1	20.1	89.74	28.1	-455.1	490.0	445.9	44.13	11.102	
8,645.0	8,535.9	8,567.0	8,535.0	24.1	20.1	89.74	28.1	-455.1	490.0	445.8	44.17	11.093	
8,700.0	8,590.9	8,622.0	8,590.0	24.1	20.1	89.74	28.1	-455.1	490.0	445.8	44.22	11.081	
8,740.0	8,630.9	8,662.0	8,630.0	24.1	20.2	89.74	28.1	-455.1	490.0	445.7	44.25	11.072	
8,800.0	8,690.9	8,722.0	8,690.0	24.2	20.2	89.74	28.1	-455.1	490.0	445.7	44.30	11.060	
8,835.0	8,725.9	8,757.0	8,725.0	24.2	20.2	89.74	28.1	-455.1	490.0	445.7	44.33	11.052	
8,900.0	8,790.9	8,822.0	8,790.0	24.2	20.2	89.74	28.1	-455.1	490.0	445.6	44.39	11.038	
8,930.0	8,820.9	8,852.0	8,820.0	24.2	20.3	89.74	28.1	-455.1	490.0	445.6	44.42	11.032	
9,000.0	8,890.9	8,922.0	8,890.0	24.2	20.3	89.74	28.1	-455.1	490.0	445.5	44.48	11.017	
9,025.0	8,915.9	8,947.0	8,915.0	24.2	20.3	89.74	28.1	-455.1	490.0	445.5	44.50	11.012	
9,100.0	8,990.9	9,022.0	8,990.0	24.3	20.3	89.74	28.1	-455.1	490.0	445.4	44.56	10.995	
9,120.0	9,010.9	9,042.0	9,010.0	24.3	20.3	89.74	28.1	-455.1	490.0	445.4	44.58	10.991	
9,200.0	9,090.9	9,122.0	9,090.0	24.3	20.4	89.74	28.1	-455.1	490.0	445.3	44.65	10.974	
9,215.0	9,105.9	9,137.0	9,105.0	24.3	20.4	89.74	28.1	-455.1	490.0	445.3	44.66	10.971	
9,300.0	9,190.9	9,222.0	9,190.0	24.3	20.4	89.74	28.1	-455.1	490.0	445.2	44.74	10.953	
9,310.0	9,200.9	9,232.0	9,200.0	24.4	20.4	89.74	28.1	-455.1	490.0	445.2	44.75	10.950	
9,400.0	9,290.9	9,322.0	9,290.0	24.4	20.5	89.74	28.1	-455.1	490.0	445.2	44.82	10.931	
9,405.0	9,295.9	9,327.0	9,295.0	24.4	20.5	89.74	28.1	-455.1	490.0	445.2	44.83	10.930	
9,500.0	9,390.9	9,422.0	9,390.0	24.4	20.5	89.74	28.1	-455.1	490.0	445.1	44.91	10.910	
9,595.0	9,485.9	9,517.0	9,485.0	24.5	20.6	89.74	28.1	-455.1	490.0	445.0	45.00	10.889	
9,600.0	9,490.9	9,522.0	9,490.0	24.5	20.6	89.74	28.1	-455.1	490.0	445.0	45.00	10.888	
9,690.0	9,580.9	9,612.0	9,580.0	24.5	20.6	89.74	28.1	-455.1	490.0	444.9	45.08	10.869	
9,700.0	9,590.9	9,622.0	9,590.0	24.5	20.6	89.74	28.1	-455.1	490.0	444.9	45.09	10.867	
9,785.0	9,675.9	9,707.0	9,675.0	24.5	20.7	89.74	28.1	-455.1	490.0	444.8	45.17	10.848	
9,800.0	9,690.9	9,722.0	9,690.0	24.5	20.7	89.74	28.1	-455.1	490.0	444.8	45.18	10.845	
9,880.0	9,770.9	9,802.0	9,770.0	24.6	20.7	89.74	28.1	-455.1	490.0	444.7	45.25	10.828	
9,881.1	9,772.0	9,803.2	9,771.1	24.6	20.7	89.74	28.1	-455.1	490.0	444.7	45.25	10.828	
9,900.0	9,790.9	9,822.0	9,790.0	24.6	20.7	89.73	28.2	-455.1	490.0	444.7	45.26	10.825	
9,975.0	9,865.9	9,896.2	9,863.9	24.6	20.7	89.02	34.2	-455.1	490.0	444.8	45.27	10.824	
10,000.0	9,890.9	9,920.5	9,887.8	24.6	20.7	88.55	38.3	-455.1	490.1	444.9	45.26	10.829	
10,070.0	9,960.9	9,986.1	9,951.4	24.6	20.7	86.68	54.3	-455.1	490.8	445.7	45.13	10.875	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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)		
10,079.1	9,970.0	9,994.3	9,959.3	24.6	20.7	86.39	56.8	-455.1	491.0	445.9	45.11	10.886	
10,100.0	9,990.9	10,013.0	9,976.9	24.7	20.8	85.77	63.0	-455.1	491.5	446.4	45.04	10.913	
10,150.0	10,040.7	10,057.2	10,017.7	24.7	20.8	84.07	79.7	-455.2	492.9	448.0	44.85	10.989	
10,165.0	10,055.6	10,070.2	10,029.5	24.7	20.8	83.57	85.2	-455.2	493.4	448.6	44.79	11.015	
10,200.0	10,090.0	10,100.0	10,056.0	24.7	20.8	82.44	98.9	-455.2	494.7	450.0	44.64	11.081	
10,250.0	10,138.4	10,142.8	10,092.7	24.7	20.8	80.85	120.9	-455.2	496.8	452.4	44.43	11.181	
10,260.0	10,147.9	10,150.0	10,098.7	24.7	20.8	80.58	124.9	-455.3	497.3	452.9	44.38	11.204	
10,300.0	10,185.5	10,184.5	10,126.8	24.7	20.8	79.34	144.9	-455.3	499.2	455.0	44.22	11.288	
10,350.0	10,230.9	10,225.5	10,158.6	24.7	20.8	77.92	170.9	-455.3	501.8	457.8	44.03	11.397	
10,355.0	10,235.4	10,229.6	10,161.6	24.7	20.8	77.78	173.6	-455.4	502.1	458.0	44.01	11.407	
10,400.0	10,274.4	10,266.0	10,188.0	24.7	20.8	76.58	198.7	-455.4	504.5	460.6	43.86	11.503	
10,450.0	10,315.6	10,306.0	10,215.0	24.7	20.8	75.34	228.1	-455.5	507.2	463.5	43.71	11.605	
10,500.0	10,354.1	10,350.0	10,242.4	24.7	20.9	74.10	262.6	-455.5	510.0	466.4	43.60	11.697	
10,545.0	10,386.3	10,380.8	10,259.9	24.7	20.9	73.25	287.9	-455.6	512.4	468.9	43.52	11.772	
10,550.0	10,389.7	10,384.7	10,262.0	24.7	20.9	73.15	291.2	-455.6	512.6	469.1	43.52	11.780	
10,600.0	10,422.1	10,423.5	10,281.9	24.8	20.9	72.22	324.5	-455.6	515.2	471.7	43.47	11.850	
10,640.0	10,445.5	10,450.0	10,294.1	24.8	20.9	71.62	348.0	-455.7	517.1	473.6	43.46	11.898	
10,650.0	10,451.0	10,462.0	10,299.3	24.8	20.9	71.40	358.8	-455.7	517.5	474.0	43.46	11.907	
10,700.0	10,476.3	10,500.0	10,314.2	24.8	21.0	70.70	393.8	-455.8	519.6	476.1	43.48	11.950	
10,735.0	10,491.8	10,526.9	10,323.3	24.8	21.0	70.27	419.1	-455.8	520.9	477.4	43.51	11.970	
10,750.0	10,497.8	10,538.3	10,326.9	24.8	21.0	70.10	429.9	-455.8	521.4	477.8	43.53	11.977	
10,800.0	10,515.2	10,576.2	10,337.0	24.9	21.1	69.63	466.4	-455.9	522.9	479.3	43.61	11.991	
10,830.0	10,523.7	10,600.0	10,342.1	24.9	21.1	69.39	489.7	-456.0	523.6	479.9	43.66	11.992	
10,850.0	10,528.5	10,613.9	10,344.6	24.9	21.1	69.27	503.4	-456.0	524.0	480.3	43.70	11.990	
10,900.0	10,537.5	10,650.0	10,349.6	25.0	21.1	69.04	539.1	-456.1	524.8	480.9	43.82	11.975	
10,925.0	10,540.4	10,670.4	10,351.5	25.0	21.2	68.96	559.4	-456.1	525.0	481.1	43.89	11.962	
10,950.0	10,542.3	10,689.2	10,352.5	25.0	21.2	68.91	578.2	-456.1	525.2	481.2	43.96	11.946	
10,976.7	10,543.0	10,709.7	10,353.0	25.1	21.2	68.90	598.7	-456.2	525.2	481.2	44.03	11.927	
10,977.2	10,543.0	10,709.7	10,353.0	25.1	21.2	68.90	598.7	-456.2	525.2	481.2	44.04	11.927	
11,000.0	10,543.1	10,732.5	10,353.1	25.1	21.3	68.90	621.4	-456.2	525.2	481.1	44.11	11.907	
11,020.0	10,543.2	10,752.5	10,353.2	25.1	21.3	68.90	641.4	-456.3	525.2	481.0	44.18	11.888	
11,100.0	10,543.5	10,832.5	10,353.5	25.3	21.5	68.90	721.4	-456.4	525.2	480.7	44.47	11.810	
11,115.0	10,543.6	10,847.5	10,353.6	25.3	21.5	68.90	736.4	-456.4	525.2	480.7	44.53	11.794	
11,200.0	10,543.9	10,932.5	10,353.9	25.5	21.7	68.89	821.4	-456.6	525.2	480.3	44.88	11.702	
11,210.0	10,544.0	10,942.5	10,354.0	25.5	21.7	68.89	831.4	-456.6	525.2	480.3	44.93	11.690	
11,300.0	10,544.4	11,032.5	10,354.3	25.7	21.9	68.89	921.4	-456.8	525.2	479.9	45.34	11.583	
11,305.0	10,544.4	11,037.5	10,354.3	25.7	21.9	68.89	926.4	-456.8	525.2	479.8	45.37	11.576	
11,400.0	10,544.8	11,132.5	10,354.7	25.9	22.2	68.89	1,021.4	-457.0	525.2	479.4	45.85	11.455	
11,495.0	10,545.2	11,227.5	10,355.1	26.1	22.4	68.89	1,116.4	-457.2	525.2	478.8	46.38	11.325	
11,500.0	10,545.2	11,232.5	10,355.1	26.1	22.5	68.89	1,121.4	-457.2	525.2	478.8	46.40	11.318	
11,590.0	10,545.6	11,322.5	10,355.5	26.4	22.7	68.89	1,211.4	-457.4	525.2	478.3	46.94	11.189	
11,600.0	10,545.6	11,332.5	10,355.6	26.4	22.8	68.89	1,221.4	-457.4	525.2	478.2	47.00	11.175	
11,685.0	10,546.0	11,417.5	10,355.9	26.6	23.0	68.89	1,306.4	-457.5	525.2	477.7	47.54	11.048	
11,700.0	10,546.0	11,432.5	10,356.0	26.7	23.1	68.89	1,321.4	-457.6	525.2	477.6	47.64	11.025	
11,780.0	10,546.4	11,512.5	10,356.3	26.9	23.4	68.89	1,401.4	-457.7	525.2	477.1	48.18	10.902	
11,800.0	10,546.5	11,532.5	10,356.4	27.0	23.4	68.89	1,421.4	-457.8	525.2	476.9	48.32	10.870	
11,875.0	10,546.8	11,607.5	10,356.7	27.2	23.7	68.89	1,496.4	-457.9	525.2	476.4	48.85	10.751	
11,900.0	10,546.9	11,632.5	10,356.8	27.3	23.8	68.89	1,521.4	-458.0	525.2	476.2	49.04	10.711	
11,970.0	10,547.2	11,702.5	10,357.1	27.6	24.1	68.89	1,591.4	-458.1	525.2	475.7	49.56	10.598	
12,000.0	10,547.3	11,732.5	10,357.2	27.7	24.2	68.89	1,621.4	-458.1	525.2	475.4	49.79	10.549	
12,065.0	10,547.6	11,797.5	10,357.5	27.9	24.5	68.89	1,686.4	-458.3	525.2	474.9	50.30	10.442	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 (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)					
12,100.0	10,547.7	11,832.5	10,357.6	28.0	24.6	68.89	1,721.4	-458.3	525.2	474.7	50.58	10.385	
12,160.0	10,548.0	11,892.5	10,357.9	28.2	24.8	68.89	1,781.4	-458.5	525.2	474.2	51.07	10.285	
12,200.0	10,548.1	11,932.5	10,358.0	28.4	25.0	68.89	1,821.4	-458.5	525.2	473.8	51.40	10.218	
12,255.0	10,548.4	11,987.5	10,358.2	28.6	25.3	68.89	1,876.4	-458.6	525.2	473.4	51.87	10.126	
12,300.0	10,548.5	12,032.5	10,358.4	28.8	25.5	68.89	1,921.4	-458.7	525.2	473.0	52.26	10.051	
12,350.0	10,548.8	12,082.5	10,358.6	29.0	25.7	68.88	1,971.4	-458.8	525.2	472.6	52.70	9.967	
12,400.0	10,549.0	12,132.5	10,358.8	29.2	25.9	68.88	2,021.4	-458.9	525.3	472.1	53.14	9.884	
12,445.0	10,549.2	12,177.5	10,359.0	29.4	26.1	68.88	2,066.4	-459.0	525.3	471.7	53.55	9.808	
12,500.0	10,549.4	12,232.5	10,359.3	29.6	26.4	68.88	2,121.4	-459.1	525.3	471.2	54.06	9.717	
12,540.0	10,549.6	12,272.5	10,359.4	29.8	26.6	68.88	2,161.4	-459.2	525.3	470.8	54.43	9.650	
12,600.0	10,549.8	12,332.5	10,359.7	30.0	26.9	68.88	2,221.4	-459.3	525.3	470.3	55.00	9.550	
12,635.0	10,550.0	12,367.5	10,359.8	30.2	27.0	68.88	2,256.4	-459.4	525.3	469.9	55.34	9.492	
12,700.0	10,550.2	12,432.5	10,360.1	30.5	27.4	68.88	2,321.4	-459.5	525.3	469.3	55.97	9.385	
12,730.0	10,550.4	12,462.5	10,360.2	30.6	27.5	68.88	2,351.4	-459.6	525.3	469.0	56.26	9.336	
12,800.0	10,550.6	12,532.5	10,360.5	30.9	27.9	68.88	2,421.4	-459.7	525.3	468.3	56.96	9.222	
12,825.0	10,550.7	12,557.5	10,360.6	31.1	28.0	68.88	2,446.4	-459.7	525.3	468.1	57.21	9.181	
12,900.0	10,551.1	12,632.5	10,360.9	31.4	28.4	68.88	2,521.4	-459.9	525.3	467.3	57.98	9.060	
12,920.0	10,551.1	12,652.5	10,361.0	31.5	28.5	68.88	2,541.4	-459.9	525.3	467.1	58.18	9.028	
13,000.0	10,551.5	12,732.5	10,361.3	31.9	28.9	68.88	2,621.4	-460.1	525.3	466.3	59.02	8.901	
13,015.0	10,551.5	12,747.5	10,361.4	32.0	29.0	68.88	2,636.4	-460.1	525.3	466.1	59.17	8.877	
13,100.0	10,551.9	12,832.5	10,361.7	32.4	29.4	68.88	2,721.4	-460.3	525.3	465.2	60.08	8.744	
13,110.0	10,551.9	12,842.5	10,361.8	32.4	29.5	68.88	2,731.4	-460.3	525.3	465.1	60.18	8.728	
13,200.0	10,552.3	12,932.5	10,362.1	32.9	30.0	68.88	2,821.4	-460.5	525.3	464.1	61.16	8.589	
13,205.0	10,552.3	12,937.5	10,362.2	32.9	30.0	68.88	2,826.4	-460.5	525.3	464.1	61.21	8.582	
13,300.0	10,552.7	13,032.5	10,362.5	33.4	30.6	68.88	2,921.4	-460.7	525.3	463.0	62.25	8.438	
13,395.0	10,553.1	13,127.5	10,362.9	33.9	31.1	68.88	3,016.4	-460.8	525.3	462.0	63.31	8.296	
13,400.0	10,553.2	13,132.5	10,363.0	33.9	31.1	68.88	3,021.4	-460.8	525.3	461.9	63.37	8.289	
13,490.0	10,553.5	13,222.5	10,363.3	34.4	31.6	68.87	3,111.4	-461.0	525.3	460.9	64.39	8.158	
13,500.0	10,553.6	13,232.5	10,363.4	34.5	31.7	68.87	3,121.4	-461.0	525.3	460.8	64.51	8.143	
13,585.0	10,553.9	13,317.5	10,363.7	34.9	32.2	68.87	3,206.4	-461.2	525.3	459.8	65.48	8.022	
13,600.0	10,554.0	13,332.5	10,363.8	35.0	32.3	68.87	3,221.4	-461.2	525.3	459.6	65.66	8.001	
13,680.0	10,554.3	13,412.5	10,364.1	35.4	32.7	68.87	3,301.4	-461.4	525.3	458.7	66.59	7.889	
13,700.0	10,554.4	13,432.5	10,364.2	35.5	32.9	68.87	3,321.4	-461.4	525.3	458.5	66.82	7.861	
13,775.0	10,554.7	13,507.5	10,364.5	36.0	33.3	68.87	3,396.4	-461.6	525.3	457.6	67.71	7.759	
13,800.0	10,554.8	13,532.5	10,364.6	36.1	33.5	68.87	3,421.4	-461.6	525.3	457.3	68.00	7.725	
13,870.0	10,555.1	13,602.5	10,364.9	36.5	33.9	68.87	3,491.4	-461.8	525.3	456.5	68.84	7.631	
13,900.0	10,555.3	13,632.5	10,365.0	36.7	34.1	68.87	3,521.4	-461.8	525.3	456.1	69.20	7.592	
13,965.0	10,555.5	13,697.5	10,365.3	37.0	34.5	68.87	3,586.4	-461.9	525.3	455.3	69.98	7.507	
14,000.0	10,555.7	13,732.5	10,365.4	37.2	34.7	68.87	3,621.4	-462.0	525.3	454.9	70.40	7.461	
14,060.0	10,555.9	13,792.5	10,365.7	37.6	35.0	68.87	3,681.4	-462.1	525.3	454.2	71.13	7.385	
14,100.0	10,556.1	13,832.5	10,365.8	37.8	35.3	68.87	3,721.4	-462.2	525.3	453.7	71.62	7.334	
14,155.0	10,556.3	13,887.5	10,366.1	38.1	35.6	68.87	3,776.4	-462.3	525.3	453.0	72.30	7.266	
14,200.0	10,556.5	13,932.5	10,366.2	38.4	35.9	68.87	3,821.4	-462.4	525.3	452.5	72.85	7.210	
14,250.0	10,556.7	13,982.5	10,366.4	38.7	36.2	68.87	3,871.4	-462.5	525.3	451.8	73.47	7.150	
14,300.0	10,556.9	14,032.5	10,366.6	39.0	36.5	68.87	3,921.4	-462.6	525.3	451.2	74.10	7.090	
14,345.0	10,557.1	14,077.5	10,366.8	39.2	36.8	68.87	3,966.4	-462.7	525.3	450.7	74.66	7.036	
14,400.0	10,557.4	14,132.5	10,367.1	39.6	37.2	68.87	4,021.4	-462.8	525.3	450.0	75.35	6.972	
14,440.0	10,557.5	14,172.5	10,367.2	39.8	37.4	68.87	4,061.4	-462.9	525.3	449.5	75.85	6.925	
14,500.0	10,557.8	14,232.5	10,367.5	40.2	37.8	68.87	4,121.4	-463.0	525.3	448.7	76.61	6.857	
14,535.0	10,557.9	14,267.5	10,367.6	40.4	38.0	68.87	4,156.4	-463.0	525.3	448.3	77.06	6.817	
14,600.0	10,558.2	14,332.5	10,367.9	40.8	38.4	68.87	4,221.4	-463.2	525.3	447.4	77.89	6.745	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	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)		
14,630.0	10,558.3	14,362.5	10,368.0	41.0	38.6	68.86	4,251.4	-463.2	525.3	447.0	78.27	6.712	
14,700.0	10,558.6	14,432.5	10,368.3	41.4	39.1	68.86	4,321.4	-463.4	525.3	446.2	79.17	6.635	
14,725.0	10,558.7	14,457.5	10,368.4	41.5	39.3	68.86	4,346.4	-463.4	525.3	445.8	79.49	6.609	
14,800.0	10,559.0	14,532.5	10,368.7	42.0	39.7	68.86	4,421.4	-463.5	525.3	444.9	80.46	6.529	
14,820.0	10,559.1	14,552.5	10,368.8	42.1	39.9	68.86	4,441.4	-463.6	525.3	444.6	80.72	6.508	
14,900.0	10,559.4	14,632.5	10,369.1	42.6	40.4	68.86	4,521.4	-463.7	525.3	443.6	81.76	6.425	
14,915.0	10,559.5	14,647.5	10,369.2	42.7	40.5	68.86	4,536.4	-463.8	525.3	443.4	81.96	6.410	
15,000.0	10,559.9	14,732.5	10,369.5	43.2	41.1	68.86	4,621.4	-463.9	525.3	442.3	83.07	6.324	
15,010.0	10,559.9	14,742.5	10,369.6	43.3	41.1	68.86	4,631.4	-464.0	525.3	442.1	83.20	6.314	
15,100.0	10,560.3	14,832.5	10,369.9	43.9	41.7	68.86	4,721.4	-464.1	525.3	441.0	84.38	6.226	
15,105.0	10,560.3	14,837.5	10,370.0	43.9	41.7	68.86	4,726.4	-464.1	525.3	440.9	84.45	6.221	
15,200.0	10,560.7	14,932.5	10,370.3	44.5	42.4	68.86	4,821.4	-464.3	525.3	439.6	85.71	6.130	
15,295.0	10,561.1	15,027.5	10,370.7	45.1	43.0	68.86	4,916.4	-464.5	525.3	438.4	86.97	6.041	
15,300.0	10,561.1	15,032.5	10,370.8	45.1	43.0	68.86	4,921.4	-464.5	525.3	438.3	87.03	6.036	
15,390.0	10,561.5	15,122.5	10,371.1	45.7	43.7	68.86	5,011.4	-464.7	525.3	437.1	88.24	5.954	
15,400.0	10,561.5	15,132.5	10,371.2	45.8	43.7	68.86	5,021.4	-464.7	525.3	437.0	88.37	5.945	
15,485.0	10,561.9	15,217.5	10,371.5	46.3	44.3	68.86	5,106.4	-464.9	525.3	435.8	89.51	5.869	
15,500.0	10,562.0	15,232.5	10,371.6	46.4	44.4	68.86	5,121.4	-464.9	525.3	435.6	89.71	5.856	
15,580.0	10,562.3	15,312.5	10,371.9	46.9	44.9	68.86	5,201.4	-465.1	525.3	434.6	90.79	5.786	
15,600.0	10,562.4	15,332.5	10,372.0	47.1	45.1	68.86	5,221.4	-465.1	525.3	434.3	91.06	5.769	
15,675.0	10,562.7	15,407.5	10,372.3	47.6	45.6	68.86	5,296.4	-465.2	525.4	433.3	92.08	5.706	
15,700.0	10,562.8	15,432.5	10,372.4	47.7	45.7	68.86	5,321.4	-465.3	525.4	432.9	92.41	5.685	
15,770.0	10,563.1	15,502.5	10,372.7	48.2	46.2	68.85	5,391.4	-465.4	525.4	432.0	93.37	5.627	
15,800.0	10,563.2	15,532.5	10,372.8	48.4	46.4	68.85	5,421.4	-465.5	525.4	431.6	93.77	5.602	
15,865.0	10,563.5	15,597.5	10,373.1	48.8	46.9	68.85	5,486.4	-465.6	525.4	430.7	94.66	5.550	
15,900.0	10,563.6	15,632.5	10,373.2	49.0	47.1	68.85	5,521.4	-465.7	525.4	430.2	95.14	5.522	
15,960.0	10,563.9	15,692.5	10,373.5	49.4	47.5	68.85	5,581.4	-465.8	525.4	429.4	95.96	5.475	
16,000.0	10,564.1	15,732.5	10,373.6	49.7	47.8	68.85	5,621.4	-465.9	525.4	428.9	96.51	5.444	
16,055.0	10,564.3	15,787.5	10,373.9	50.1	48.2	68.85	5,676.4	-466.0	525.4	428.1	97.26	5.401	
16,100.0	10,564.5	15,832.5	10,374.0	50.4	48.5	68.85	5,721.4	-466.1	525.4	427.5	97.88	5.367	
16,150.0	10,564.7	15,882.5	10,374.2	50.7	48.8	68.85	5,771.4	-466.2	525.4	426.8	98.57	5.330	
16,200.0	10,564.9	15,932.5	10,374.5	51.0	49.2	68.85	5,821.4	-466.3	525.4	426.1	99.26	5.293	
16,245.0	10,565.1	15,977.5	10,374.6	51.3	49.5	68.85	5,866.4	-466.3	525.4	425.5	99.89	5.260	
16,300.0	10,565.3	16,032.5	10,374.9	51.7	49.9	68.85	5,921.4	-466.4	525.4	424.7	100.65	5.220	
16,340.0	10,565.5	16,072.5	10,375.0	52.0	50.2	68.85	5,961.4	-466.5	525.4	424.2	101.20	5.191	
16,400.0	10,565.7	16,132.5	10,375.3	52.4	50.6	68.85	6,021.4	-466.6	525.4	423.3	102.04	5.149	
16,435.0	10,565.9	16,167.5	10,375.4	52.6	50.8	68.85	6,056.4	-466.7	525.4	422.9	102.52	5.124	
16,500.0	10,566.2	16,232.5	10,375.7	53.0	51.3	68.85	6,121.4	-466.8	525.4	421.9	103.43	5.080	
16,530.0	10,566.3	16,262.5	10,375.8	53.3	51.5	68.85	6,151.4	-466.9	525.4	421.5	103.85	5.059	
16,600.0	10,566.6	16,332.5	10,376.1	53.7	52.0	68.85	6,221.4	-467.0	525.4	420.6	104.82	5.012	
16,625.0	10,566.7	16,357.5	10,376.2	53.9	52.1	68.85	6,246.4	-467.1	525.4	420.2	105.17	4.995	
16,700.0	10,567.0	16,432.5	10,376.5	54.4	52.7	68.85	6,321.4	-467.2	525.4	419.2	106.22	4.946	
16,720.0	10,567.1	16,452.5	10,376.6	54.5	52.8	68.85	6,341.4	-467.3	525.4	418.9	106.50	4.933	
16,800.0	10,567.4	16,532.5	10,376.9	55.1	53.4	68.85	6,421.4	-467.4	525.4	417.8	107.63	4.882	
16,815.0	10,567.5	16,547.5	10,377.0	55.2	53.5	68.85	6,436.4	-467.4	525.4	417.5	107.84	4.872	
16,900.0	10,567.8	16,632.5	10,377.3	55.8	54.1	68.85	6,521.4	-467.6	525.4	416.4	109.03	4.819	
16,910.0	10,567.9	16,642.5	10,377.4	55.8	54.1	68.85	6,531.4	-467.6	525.4	416.2	109.18	4.812	
17,000.0	10,568.3	16,732.5	10,377.7	56.5	54.8	68.84	6,621.4	-467.8	525.4	414.9	110.44	4.757	
17,005.0	10,568.3	16,737.5	10,377.8	56.5	54.8	68.84	6,626.4	-467.8	525.4	414.9	110.52	4.754	
17,100.0	10,568.7	16,832.5	10,378.2	57.1	55.5	68.84	6,721.4	-468.0	525.4	413.5	111.86	4.697	
17,195.0	10,569.1	16,927.5	10,378.5	57.8	56.2	68.84	6,816.4	-468.2	525.4	412.2	113.20	4.641	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
17,200.0	10,569.1	16,932.5	10,378.6	57.8	56.2	68.84	6,821.4	-468.2	525.4	412.1	113.28	4.638	
17,290.0	10,569.5	17,022.5	10,378.9	58.4	56.8	68.84	6,911.4	-468.4	525.4	410.8	114.55	4.587	
17,300.0	10,569.5	17,032.5	10,379.0	58.5	56.9	68.84	6,921.4	-468.4	525.4	410.7	114.70	4.581	
17,385.0	10,569.9	17,117.5	10,379.3	59.1	57.5	68.84	7,006.4	-468.5	525.4	409.5	115.90	4.533	
17,400.0	10,569.9	17,132.5	10,379.4	59.2	57.6	68.84	7,021.4	-468.6	525.4	409.3	116.12	4.525	
17,480.0	10,570.3	17,212.5	10,379.7	59.8	58.2	68.84	7,101.4	-468.7	525.4	408.1	117.26	4.481	
17,500.0	10,570.4	17,232.5	10,379.8	59.9	58.3	68.84	7,121.4	-468.8	525.4	407.9	117.54	4.470	
17,575.0	10,570.7	17,307.5	10,380.1	60.4	58.9	68.84	7,196.4	-468.9	525.4	406.8	118.61	4.430	
17,600.0	10,570.8	17,332.5	10,380.2	60.6	59.0	68.84	7,221.4	-469.0	525.4	406.4	118.97	4.416	
17,670.0	10,571.1	17,402.5	10,380.5	61.1	59.5	68.84	7,291.4	-469.1	525.4	405.4	119.97	4.379	
17,700.0	10,571.2	17,432.5	10,380.6	61.3	59.8	68.84	7,321.3	-469.1	525.4	405.0	120.40	4.364	
17,765.0	10,571.5	17,497.5	10,380.9	61.8	60.2	68.84	7,386.3	-469.3	525.4	404.1	121.33	4.330	
17,800.0	10,571.6	17,532.5	10,381.0	62.0	60.5	68.84	7,421.3	-469.3	525.4	403.6	121.84	4.312	
17,860.0	10,571.9	17,592.5	10,381.3	62.4	60.9	68.84	7,481.3	-469.5	525.4	402.7	122.70	4.282	
17,900.0	10,572.0	17,632.5	10,381.4	62.7	61.2	68.84	7,521.3	-469.5	525.4	402.1	123.27	4.262	
17,955.0	10,572.3	17,687.5	10,381.7	63.1	61.6	68.84	7,576.3	-469.6	525.4	401.4	124.06	4.235	
18,000.0	10,572.4	17,732.5	10,381.8	63.4	61.9	68.84	7,621.3	-469.7	525.4	400.7	124.71	4.213	
18,050.0	10,572.7	17,782.5	10,382.1	63.8	62.3	68.84	7,671.3	-469.8	525.4	400.0	125.43	4.189	
18,100.0	10,572.9	17,832.5	10,382.3	64.1	62.6	68.83	7,721.3	-469.9	525.4	399.3	126.15	4.165	
18,145.0	10,573.1	17,877.5	10,382.4	64.4	63.0	68.83	7,766.3	-470.0	525.4	398.6	126.80	4.144	
18,200.0	10,573.3	17,932.5	10,382.7	64.8	63.4	68.83	7,821.3	-470.1	525.4	397.8	127.59	4.118	
18,240.0	10,573.5	17,972.5	10,382.8	65.1	63.6	68.83	7,861.3	-470.2	525.4	397.3	128.17	4.099	
18,300.0	10,573.7	18,032.5	10,383.1	65.5	64.1	68.83	7,921.3	-470.3	525.4	396.4	129.04	4.072	
18,335.0	10,573.9	18,067.5	10,383.2	65.8	64.3	68.83	7,956.3	-470.4	525.4	395.9	129.54	4.056	
18,400.0	10,574.1	18,132.5	10,383.5	66.2	64.8	68.83	8,021.3	-470.5	525.4	395.0	130.48	4.027	
18,430.0	10,574.3	18,162.5	10,383.6	66.4	65.0	68.83	8,051.3	-470.6	525.4	394.5	130.92	4.013	
18,500.0	10,574.5	18,232.5	10,383.9	66.9	65.5	68.83	8,121.3	-470.7	525.4	393.5	131.93	3.983	
18,525.0	10,574.6	18,257.5	10,384.0	67.1	65.7	68.83	8,146.3	-470.7	525.4	393.1	132.29	3.972	
18,600.0	10,575.0	18,332.5	10,384.3	67.6	66.3	68.83	8,221.3	-470.9	525.4	392.1	133.38	3.939	
18,620.0	10,575.0	18,352.5	10,384.4	67.8	66.4	68.83	8,241.3	-470.9	525.4	391.8	133.67	3.931	
18,700.0	10,575.4	18,432.5	10,384.7	68.4	67.0	68.83	8,321.3	-471.1	525.4	390.6	134.83	3.897	
18,715.0	10,575.4	18,447.5	10,384.8	68.5	67.1	68.83	8,336.3	-471.1	525.4	390.4	135.05	3.891	
18,800.0	10,575.8	18,532.5	10,385.1	69.1	67.7	68.83	8,421.3	-471.3	525.4	389.2	136.29	3.855	
18,810.0	10,575.8	18,542.5	10,385.2	69.1	67.8	68.83	8,431.3	-471.3	525.4	389.0	136.43	3.851	
18,900.0	10,576.2	18,632.5	10,385.5	69.8	68.4	68.83	8,521.3	-471.5	525.4	387.7	137.74	3.815	
18,905.0	10,576.2	18,637.5	10,385.6	69.8	68.5	68.83	8,526.3	-471.5	525.4	387.6	137.82	3.813	
19,000.0	10,576.6	18,732.5	10,386.0	70.5	69.2	68.83	8,621.3	-471.7	525.5	386.3	139.20	3.775	
19,095.0	10,577.0	18,827.5	10,386.3	71.2	69.9	68.83	8,716.3	-471.8	525.5	384.9	140.59	3.738	
19,100.0	10,577.1	18,832.5	10,386.4	71.2	69.9	68.83	8,721.3	-471.8	525.5	384.8	140.66	3.736	
19,190.0	10,577.4	18,922.5	10,386.7	71.8	70.5	68.83	8,811.3	-472.0	525.5	383.5	141.97	3.701	
19,200.0	10,577.5	18,932.5	10,386.8	71.9	70.6	68.83	8,821.3	-472.0	525.5	383.3	142.12	3.697	
19,285.0	10,577.8	19,017.5	10,387.1	72.5	71.2	68.82	8,906.3	-472.2	525.5	382.1	143.36	3.665	
19,300.0	10,577.9	19,032.5	10,387.2	72.6	71.3	68.82	8,921.3	-472.2	525.5	381.9	143.58	3.660	
19,380.0	10,578.2	19,112.5	10,387.5	73.2	71.9	68.82	9,001.3	-472.4	525.5	380.7	144.75	3.630	
19,400.0	10,578.3	19,132.5	10,387.6	73.4	72.1	68.82	9,021.3	-472.4	525.5	380.4	145.05	3.623	
19,475.0	10,578.6	19,207.5	10,387.9	73.9	72.6	68.82	9,096.3	-472.6	525.5	379.3	146.15	3.595	
19,500.0	10,578.7	19,232.5	10,388.0	74.1	72.8	68.82	9,121.3	-472.6	525.5	379.0	146.51	3.587	
19,570.0	10,579.0	19,302.5	10,388.3	74.6	73.3	68.82	9,191.3	-472.8	525.5	377.9	147.54	3.562	
19,600.0	10,579.2	19,332.5	10,388.4	74.8	73.5	68.82	9,221.3	-472.8	525.5	377.5	147.98	3.551	
19,665.0	10,579.4	19,397.5	10,388.7	75.3	74.0	68.82	9,286.3	-472.9	525.5	376.5	148.93	3.528	
19,700.0	10,579.6	19,432.5	10,388.8	75.5	74.3	68.82	9,321.3	-473.0	525.5	376.0	149.45	3.516	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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									Rule Assigned:				Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,760.0	10,579.8	19,492.5	10,389.1	75.9	74.7	68.82	9,381.3	-473.1	525.5	375.1	150.33	3.496		
19,800.0	10,580.0	19,532.5	10,389.2	76.2	75.0	68.82	9,421.3	-473.2	525.5	374.6	150.92	3.482		
19,855.0	10,580.2	19,587.5	10,389.5	76.6	75.4	68.82	9,476.3	-473.3	525.5	373.8	151.72	3.463		
19,900.0	10,580.4	19,632.5	10,389.7	77.0	75.7	68.82	9,521.3	-473.4	525.5	373.1	152.39	3.448		
19,950.0	10,580.6	19,682.5	10,389.9	77.3	76.1	68.82	9,571.3	-473.5	525.5	372.4	153.12	3.432		
20,000.0	10,580.8	19,732.5	10,390.1	77.7	76.5	68.82	9,621.3	-473.6	525.5	371.6	153.86	3.415		
20,045.0	10,581.0	19,777.5	10,390.3	78.0	76.8	68.82	9,666.3	-473.7	525.5	371.0	154.52	3.401		
20,100.0	10,581.3	19,832.5	10,390.5	78.4	77.2	68.82	9,721.3	-473.8	525.5	370.2	155.33	3.383		
20,140.0	10,581.4	19,872.5	10,390.6	78.7	77.5	68.82	9,761.3	-473.9	525.5	369.6	155.92	3.370		
20,200.0	10,581.7	19,932.5	10,390.9	79.1	77.9	68.82	9,821.3	-474.0	525.5	368.7	156.80	3.351		
20,235.0	10,581.8	19,967.5	10,391.0	79.4	78.2	68.82	9,856.3	-474.0	525.5	368.2	157.32	3.340		
20,300.0	10,582.1	20,032.5	10,391.3	79.9	78.7	68.82	9,921.3	-474.2	525.5	367.2	158.28	3.320		
20,330.0	10,582.2	20,062.5	10,391.4	80.1	78.9	68.82	9,951.3	-474.2	525.5	366.8	158.72	3.311		
20,400.0	10,582.5	20,132.5	10,391.7	80.6	79.4	68.81	10,021.3	-474.4	525.5	365.7	159.76	3.289		
20,425.0	10,582.6	20,157.5	10,391.8	80.8	79.6	68.81	10,046.3	-474.4	525.5	365.4	160.12	3.282		
20,500.0	10,582.9	20,232.5	10,392.1	81.3	80.2	68.81	10,121.3	-474.5	525.5	364.3	161.23	3.259		
20,520.0	10,583.0	20,252.5	10,392.2	81.5	80.3	68.81	10,141.3	-474.6	525.5	364.0	161.53	3.253		
20,600.0	10,583.3	20,332.5	10,392.5	82.0	80.9	68.81	10,221.3	-474.7	525.5	362.8	162.71	3.230		
20,615.0	10,583.4	20,347.5	10,392.6	82.1	81.0	68.81	10,236.3	-474.8	525.5	362.6	162.93	3.225		
20,700.0	10,583.8	20,432.5	10,392.9	82.8	81.6	68.81	10,321.3	-474.9	525.5	361.3	164.19	3.201		
20,710.0	10,583.8	20,442.5	10,393.0	82.8	81.7	68.81	10,331.3	-475.0	525.5	361.2	164.34	3.198		
20,800.0	10,584.2	20,532.5	10,393.4	83.5	82.4	68.81	10,421.3	-475.1	525.5	359.8	165.67	3.172		
20,805.0	10,584.2	20,537.5	10,393.4	83.5	82.4	68.81	10,426.3	-475.1	525.5	359.8	165.74	3.171		
20,900.0	10,584.6	20,632.5	10,393.8	84.2	83.1	68.81	10,521.3	-475.3	525.5	358.4	167.15	3.144		
20,995.0	10,585.0	20,727.5	10,394.2	84.9	83.8	68.81	10,616.3	-475.5	525.5	357.0	168.56	3.118		
21,000.0	10,585.0	20,732.5	10,394.2	84.9	83.8	68.81	10,621.3	-475.5	525.5	356.9	168.63	3.116		
21,090.0	10,585.4	20,822.5	10,394.5	85.6	84.5	68.81	10,711.3	-475.7	525.5	355.5	169.97	3.092		
21,100.0	10,585.4	20,832.5	10,394.6	85.7	84.6	68.81	10,721.3	-475.7	525.5	355.4	170.12	3.089		
21,185.0	10,585.8	20,917.5	10,394.9	86.3	85.2	68.81	10,806.3	-475.9	525.5	354.1	171.38	3.066		
21,200.0	10,585.9	20,932.5	10,395.0	86.4	85.3	68.81	10,821.3	-475.9	525.5	353.9	171.60	3.062		
21,280.0	10,586.2	21,012.5	10,395.3	87.0	85.9	68.81	10,901.3	-476.1	525.5	352.7	172.79	3.041		
21,300.0	10,586.3	21,032.5	10,395.4	87.1	86.1	68.81	10,921.3	-476.1	525.5	352.4	173.09	3.036		
21,375.0	10,586.6	21,107.5	10,395.7	87.7	86.6	68.81	10,996.3	-476.2	525.5	351.3	174.20	3.017		
21,400.0	10,586.7	21,132.5	10,395.8	87.9	86.8	68.81	11,021.3	-476.3	525.5	351.0	174.57	3.010		
21,470.0	10,587.0	21,202.5	10,396.1	88.4	87.3	68.81	11,091.3	-476.4	525.5	349.9	175.61	2.993		
21,500.0	10,587.1	21,232.5	10,396.2	88.6	87.6	68.81	11,121.3	-476.5	525.5	349.5	176.06	2.985		
21,565.0	10,587.4	21,297.5	10,396.5	89.1	88.0	68.80	11,186.3	-476.6	525.5	348.5	177.03	2.969		
21,600.0	10,587.5	21,332.5	10,396.6	89.3	88.3	68.80	11,221.3	-476.7	525.5	348.0	177.55	2.960		
21,660.0	10,587.8	21,392.5	10,396.9	89.8	88.7	68.80	11,281.3	-476.8	525.5	347.1	178.44	2.945		
21,700.0	10,588.0	21,432.5	10,397.0	90.1	89.0	68.80	11,321.3	-476.9	525.5	346.5	179.03	2.935		
21,755.0	10,588.2	21,487.5	10,397.3	90.5	89.4	68.80	11,376.3	-477.0	525.5	345.7	179.85	2.922		
21,800.0	10,588.4	21,532.5	10,397.5	90.8	89.8	68.80	11,421.3	-477.1	525.5	345.0	180.52	2.911		
21,850.0	10,588.6	21,582.5	10,397.7	91.2	90.1	68.80	11,471.3	-477.2	525.5	344.3	181.27	2.899		
21,900.0	10,588.8	21,632.5	10,397.9	91.5	90.5	68.80	11,521.3	-477.3	525.5	343.5	182.01	2.887		
21,945.0	10,589.0	21,677.5	10,398.1	91.9	90.9	68.80	11,566.3	-477.3	525.5	342.9	182.68	2.877		
22,000.0	10,589.2	21,732.5	10,398.3	92.3	91.3	68.80	11,621.3	-477.4	525.5	342.0	183.50	2.864		
22,040.0	10,589.4	21,772.5	10,398.4	92.6	91.6	68.80	11,661.3	-477.5	525.5	341.4	184.10	2.855		
22,100.0	10,589.6	21,832.5	10,398.7	93.0	92.0	68.80	11,721.3	-477.6	525.5	340.6	184.99	2.841		
22,135.0	10,589.8	21,867.5	10,398.8	93.3	92.3	68.80	11,756.3	-477.7	525.5	340.0	185.52	2.833		
22,200.0	10,590.1	21,932.5	10,399.1	93.7	92.8	68.80	11,821.3	-477.8	525.5	339.1	186.49	2.818		
22,230.0	10,590.2	21,962.5	10,399.2	94.0	93.0	68.80	11,851.3	-477.9	525.5	338.6	186.93	2.811		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
22,300.0	10,590.5	22,032.5	10,399.5	94.5	93.5	68.80	11,921.3	-478.0	525.6	337.6	187.98	2.796			
22,325.0	10,590.6	22,057.5	10,399.6	94.7	93.7	68.80	11,946.3	-478.1	525.6	337.2	188.35	2.790			
22,400.0	10,590.9	22,132.5	10,399.9	95.2	94.2	68.80	12,021.3	-478.2	525.6	336.1	189.47	2.774			
22,420.0	10,591.0	22,152.5	10,400.0	95.4	94.4	68.80	12,041.3	-478.3	525.6	335.8	189.77	2.769			
22,500.0	10,591.3	22,232.5	10,400.3	96.0	95.0	68.80	12,121.3	-478.4	525.6	334.6	190.96	2.752			
22,515.0	10,591.4	22,247.5	10,400.4	96.1	95.1	68.80	12,136.3	-478.4	525.6	334.4	191.19	2.749			
22,533.2	10,591.5	22,265.7	10,400.5	96.2	95.2	68.80	12,154.5	-478.5	525.6	334.1	191.46	2.745			
22,600.0	10,591.7	22,332.5	10,400.7	96.7	95.7	68.80	12,221.3	-478.6	525.6	333.1	192.45	2.731			
22,610.0	10,591.8	22,342.5	10,400.8	96.8	95.8	68.80	12,231.3	-478.6	525.6	333.0	192.60	2.729			
22,615.1	10,591.8	22,347.6	10,400.8	96.8	95.8	68.80	12,236.4	-478.6	525.6	332.9	192.68	2.728			
22,663.2	10,592.0	22,394.8	10,401.0	97.2	96.2	68.80	12,283.6	-478.7	525.6	332.2	193.39	2.718 SF			

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	0.4	0.4	3.0	3.0	-90.02	0.0	-30.0	30.0					
95.0	95.0	95.4	95.4	3.0	3.0	-90.02	0.0	-30.0	30.0	23.9	6.05	4.952		
100.0	100.0	100.4	100.4	3.0	3.0	-90.02	0.0	-30.0	30.0	23.9	6.06	4.947		
190.0	190.0	190.4	190.4	3.1	3.1	-90.02	0.0	-30.0	30.0	23.7	6.27	4.779		
200.0	200.0	200.4	200.4	3.2	3.2	-90.02	0.0	-30.0	30.0	23.7	6.30	4.754		
285.0	285.0	285.4	285.4	3.3	3.3	-90.02	0.0	-30.0	30.0	23.5	6.50	4.611		
300.0	300.0	300.4	300.4	3.3	3.3	-90.02	0.0	-30.0	30.0	23.4	6.54	4.583		
380.0	380.0	380.4	380.4	3.4	3.4	-90.02	0.0	-30.0	30.0	23.2	6.72	4.461		
400.0	400.0	400.4	400.4	3.4	3.4	-90.02	0.0	-30.0	30.0	23.2	6.76	4.429		
475.0	475.0	475.4	475.4	3.5	3.5	-90.02	0.0	-30.0	30.0	23.0	6.93	4.325		
500.0	500.0	500.4	500.4	3.5	3.5	-90.02	0.0	-30.0	30.0	23.0	6.98	4.289		
570.0	570.0	570.4	570.4	3.6	3.6	-90.02	0.0	-30.0	30.0	22.8	7.13	4.201		
600.0	600.0	600.4	600.4	3.6	3.6	-90.02	0.0	-30.0	30.0	22.8	7.20	4.162		
665.0	665.0	665.4	665.4	3.7	3.7	-90.02	0.0	-30.0	30.0	22.6	7.33	4.087		
700.0	700.0	700.4	700.4	3.8	3.8	-90.02	0.0	-30.0	30.0	22.6	7.41	4.046		
760.0	760.0	760.4	760.4	3.8	3.8	-90.02	0.0	-30.0	30.0	22.4	7.52	3.981		
800.0	800.0	800.4	800.4	3.9	3.9	-90.02	0.0	-30.0	30.0	22.4	7.61	3.939		
855.0	855.0	855.4	855.4	4.0	4.0	-90.02	0.0	-30.0	30.0	22.2	7.71	3.884		
900.0	900.0	900.4	900.4	4.0	4.0	-90.02	0.0	-30.0	30.0	22.2	7.80	3.840		
950.0	950.0	950.4	950.4	4.1	4.1	-90.02	0.0	-30.0	30.0	22.1	7.90	3.793		
1,000.0	1,000.0	1,000.4	1,000.4	4.1	4.1	-90.02	0.0	-30.0	30.0	22.0	7.99	3.748		
1,045.0	1,045.0	1,045.4	1,045.4	4.2	4.2	-90.02	0.0	-30.0	30.0	21.9	8.08	3.709		
1,100.0	1,100.0	1,100.4	1,100.4	4.3	4.3	-90.02	0.0	-30.0	30.0	21.8	8.18	3.662		
1,140.0	1,140.0	1,140.4	1,140.4	4.3	4.3	-90.02	0.0	-30.0	30.0	21.7	8.25	3.630		
1,200.0	1,200.0	1,200.4	1,200.4	4.4	4.4	-90.02	0.0	-30.0	30.0	21.6	8.36	3.582		
1,235.0	1,235.0	1,235.4	1,235.4	4.4	4.4	-90.02	0.0	-30.0	30.0	21.5	8.43	3.556		
1,300.0	1,300.0	1,300.4	1,300.4	4.5	4.5	-90.02	0.0	-30.0	30.0	21.4	8.54	3.507		
1,330.0	1,330.0	1,330.4	1,330.4	4.5	4.5	-90.02	0.0	-30.0	30.0	21.4	8.60	3.486		
1,400.0	1,400.0	1,400.4	1,400.4	4.6	4.6	-90.02	0.0	-30.0	30.0	21.2	8.72	3.436		
1,425.0	1,425.0	1,425.4	1,425.4	4.6	4.6	-90.02	0.0	-30.0	30.0	21.2	8.76	3.420		
1,437.4	1,437.4	1,437.8	1,437.8	4.7	4.7	-90.02	0.0	-30.0	30.0	21.2	8.78	3.411		
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-90.02	0.0	-30.0	30.0	21.1	8.89	3.371		
1,520.0	1,520.0	1,520.2	1,520.2	4.7	4.7	-1.56	0.0	-30.0	30.0	21.0	8.97	3.342		
1,600.0	1,600.0	1,599.4	1,599.4	4.8	4.8	-0.83	0.4	-31.6	29.9	20.6	9.27	3.227		
1,615.0	1,615.0	1,614.2	1,614.2	4.8	4.9	-0.58	0.6	-32.2	29.9	20.5	9.34	3.198		
1,700.0	1,699.8	1,698.4	1,698.2	5.0	5.0	1.45	1.8	-36.6	29.7	19.9	9.81	3.031		
1,710.0	1,709.8	1,708.3	1,708.1	5.0	5.0	1.77	1.9	-37.3	29.7	19.8	9.86	3.012		
1,800.0	1,799.5	1,797.4	1,796.8	5.2	5.3	5.30	4.0	-44.9	29.5	19.2	10.38	2.846		
1,805.0	1,804.4	1,802.3	1,801.7	5.2	5.3	5.53	4.1	-45.4	29.5	19.1	10.41	2.837		
1,868.9	1,867.9	1,865.6	1,864.6	5.4	5.5	8.87	6.0	-52.5	29.5	18.7	10.79	2.731 CC		
1,900.0	1,898.7	1,896.3	1,895.0	5.5	5.5	10.72	7.0	-56.4	29.5	18.5	10.98	2.686		
1,995.0	1,992.5	1,990.3	1,987.9	5.8	5.8	17.23	10.8	-70.4	29.8	18.2	11.56	2.577		
2,000.0	1,997.5	1,995.2	1,992.8	5.9	5.9	17.60	11.0	-71.2	29.8	18.2	11.59	2.573 ES		
2,090.0	2,085.8	2,084.2	2,080.2	6.2	6.2	24.81	15.3	-87.3	30.7	18.5	12.12	2.530		
2,100.0	2,095.6	2,094.1	2,089.8	6.2	6.2	25.65	15.8	-89.3	30.8	18.6	12.18	2.530 SF		
2,185.0	2,178.5	2,178.1	2,171.8	6.5	6.5	33.00	20.5	-107.1	32.3	19.7	12.61	2.564		
2,200.1	2,193.1	2,193.0	2,186.2	6.6	6.6	34.32	21.4	-110.6	32.7	20.0	12.67	2.578		
2,280.0	2,270.7	2,272.7	2,263.6	6.8	6.8	40.82	26.4	-129.2	35.0	22.0	12.97	2.698		
2,300.0	2,290.1	2,292.7	2,283.0	6.9	6.9	42.32	27.7	-133.9	35.6	22.6	13.04	2.734		
2,375.0	2,362.9	2,367.6	2,355.6	7.1	7.1	47.43	32.3	-151.4	38.3	25.0	13.29	2.879		
2,400.0	2,387.1	2,392.5	2,379.8	7.2	7.2	48.98	33.9	-157.2	39.2	25.8	13.37	2.932		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Separation (usft)	Factor	
2,470.0	2,455.0	2,462.4	2,447.7	7.5	7.5	52.95	38.2	-173.5	42.0	28.4	13.58	3.088	
2,500.0	2,484.1	2,492.4	2,476.7	7.6	7.6	54.48	40.1	-180.5	43.2	29.5	13.67	3.159	
2,565.0	2,547.2	2,557.3	2,539.7	7.8	7.8	57.53	44.1	-195.7	46.0	32.1	13.87	3.314	
2,600.0	2,581.2	2,592.2	2,573.6	7.9	7.9	59.02	46.3	-203.9	47.5	33.5	13.97	3.400	
2,660.0	2,639.4	2,652.1	2,631.7	8.2	8.1	61.36	50.0	-217.9	50.2	36.1	14.15	3.549	
2,700.0	2,678.2	2,692.0	2,670.5	8.3	8.3	62.78	52.5	-227.2	52.1	37.8	14.27	3.650	
2,755.0	2,731.6	2,747.0	2,723.8	8.5	8.5	64.58	55.9	-240.1	54.7	40.3	14.44	3.788	
2,800.0	2,775.2	2,791.9	2,767.4	8.7	8.7	65.92	58.7	-250.6	56.9	42.3	14.57	3.901	
2,850.0	2,823.7	2,841.8	2,815.8	8.9	8.9	67.30	61.8	-262.2	59.3	44.6	14.72	4.027	
2,900.0	2,872.3	2,891.7	2,864.2	9.1	9.1	68.58	64.9	-273.9	61.8	46.9	14.88	4.151	
2,945.0	2,915.9	2,936.7	2,907.8	9.3	9.3	69.64	67.7	-284.4	64.0	49.0	15.02	4.262	
3,000.0	2,969.3	2,991.6	2,961.1	9.5	9.5	70.83	71.2	-297.2	66.8	51.6	15.19	4.397	
3,040.0	3,008.1	3,031.5	2,999.9	9.7	9.6	71.64	73.6	-306.6	68.8	53.5	15.31	4.494	
3,100.0	3,066.3	3,091.4	3,058.0	9.9	9.9	72.77	77.4	-320.6	71.9	56.4	15.50	4.637	
3,135.0	3,100.3	3,126.4	3,091.9	10.1	10.0	73.39	79.5	-328.8	73.7	58.1	15.61	4.719	
3,200.0	3,163.3	3,191.2	3,154.9	10.3	10.3	74.45	83.6	-343.9	77.1	61.2	15.82	4.870	
3,230.0	3,192.5	3,221.2	3,183.9	10.5	10.4	74.91	85.4	-350.9	78.6	62.7	15.92	4.939	
3,300.0	3,260.4	3,291.1	3,251.7	10.8	10.7	75.92	89.8	-367.3	82.3	66.1	16.15	5.096	
3,325.0	3,284.6	3,316.1	3,276.0	10.9	10.8	76.26	91.4	-373.1	83.6	67.4	16.23	5.151	
3,400.0	3,357.4	3,390.9	3,348.6	11.2	11.2	77.21	96.0	-390.6	87.6	71.1	16.48	5.314	
3,420.0	3,376.8	3,410.9	3,368.0	11.3	11.3	77.45	97.3	-395.3	88.6	72.1	16.55	5.357	
3,500.0	3,454.4	3,490.8	3,445.5	11.6	11.6	78.36	102.2	-413.9	92.9	76.1	16.82	5.524	
3,515.0	3,469.0	3,505.8	3,460.0	11.7	11.7	78.52	103.2	-417.4	93.7	76.8	16.87	5.555	
3,600.0	3,551.5	3,590.6	3,542.4	12.1	12.0	79.38	108.4	-437.3	98.3	81.1	17.16	5.726	
3,610.0	3,561.2	3,600.6	3,552.1	12.1	12.1	79.47	109.1	-439.6	98.8	81.6	17.19	5.746	
3,700.0	3,648.5	3,690.5	3,639.2	12.5	12.5	80.29	114.7	-460.6	103.6	86.1	17.50	5.921	
3,705.0	3,653.3	3,695.5	3,644.1	12.5	12.5	80.33	115.0	-461.8	103.9	86.4	17.52	5.931	
3,800.0	3,745.5	3,790.3	3,736.1	13.0	12.9	81.11	120.9	-484.0	109.0	91.2	17.85	6.108	
3,895.0	3,837.7	3,885.2	3,828.2	13.4	13.4	81.82	126.8	-506.1	114.2	96.0	18.19	6.279	
3,900.0	3,842.5	3,890.1	3,833.0	13.4	13.4	81.86	127.1	-507.3	114.5	96.3	18.21	6.288	
3,990.0	3,929.9	3,980.0	3,920.2	13.8	13.8	82.47	132.7	-528.3	119.4	100.8	18.53	6.444	
4,000.0	3,939.6	3,990.0	3,929.9	13.9	13.8	82.54	133.3	-530.7	119.9	101.4	18.56	6.461	
4,085.0	4,022.1	4,074.9	4,012.2	14.3	14.2	83.07	138.6	-550.5	124.6	105.7	18.87	6.602	
4,100.0	4,036.6	4,089.8	4,026.7	14.3	14.3	83.16	139.5	-554.0	125.4	106.5	18.92	6.627	
4,180.0	4,114.2	4,169.7	4,104.2	14.7	14.7	83.62	144.5	-572.7	129.8	110.5	19.21	6.755	
4,200.0	4,133.6	4,189.7	4,123.6	14.8	14.7	83.73	145.7	-577.3	130.9	111.6	19.28	6.786	
4,275.0	4,206.4	4,264.6	4,196.3	15.1	15.1	84.12	150.4	-594.8	135.0	115.4	19.56	6.901	
4,300.0	4,230.7	4,289.5	4,220.5	15.2	15.2	84.25	151.9	-600.7	136.3	116.7	19.65	6.939	
4,370.0	4,298.6	4,359.4	4,288.3	15.6	15.5	84.59	156.3	-617.0	140.2	120.3	19.90	7.043	
4,400.0	4,327.7	4,389.4	4,317.4	15.7	15.7	84.73	158.2	-624.0	141.8	121.8	20.01	7.086	
4,465.0	4,390.8	4,454.3	4,380.3	16.0	16.0	85.02	162.2	-639.2	145.4	125.2	20.25	7.179	
4,500.0	4,424.7	4,489.2	4,414.3	16.2	16.1	85.17	164.4	-647.4	147.3	127.0	20.38	7.228	
4,560.0	4,482.9	4,549.1	4,472.4	16.5	16.4	85.43	168.1	-661.4	150.6	130.0	20.61	7.310	
4,600.0	4,521.8	4,589.0	4,511.1	16.6	16.6	85.59	170.6	-670.7	152.9	132.1	20.76	7.364	
4,655.0	4,575.1	4,644.0	4,564.4	16.9	16.8	85.80	174.0	-683.5	155.9	134.9	20.96	7.437	
4,700.0	4,618.8	4,688.9	4,608.0	17.1	17.1	85.97	176.8	-694.0	158.4	137.2	21.13	7.495	
4,750.0	4,667.3	4,738.8	4,656.4	17.3	17.3	86.15	179.9	-705.7	161.1	139.8	21.32	7.559	
4,800.0	4,715.8	4,788.7	4,704.9	17.6	17.5	86.33	183.0	-717.4	163.9	142.4	21.51	7.621	
4,845.0	4,759.5	4,833.7	4,748.5	17.8	17.7	86.48	185.8	-727.9	166.4	144.7	21.68	7.676	
4,900.0	4,812.8	4,888.6	4,801.8	18.0	18.0	86.67	189.2	-740.7	169.4	147.6	21.88	7.742	
4,940.0	4,851.6	4,928.5	4,840.5	18.2	18.2	86.79	191.7	-750.1	171.6	149.6	22.04	7.790	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.0	4,909.9	4,988.4	4,898.6	18.5	18.5	86.98	195.4	-764.1	175.0	152.7	22.26	7.859	
5,035.0	4,943.8	5,023.4	4,932.5	18.7	18.6	87.09	197.6	-772.2	176.9	154.5	22.40	7.899	
5,100.0	5,006.9	5,088.2	4,995.5	19.0	18.9	87.28	201.7	-787.4	180.5	157.9	22.64	7.972	
5,130.0	5,036.0	5,118.2	5,024.6	19.1	19.1	87.36	203.5	-794.4	182.2	159.4	22.76	8.005	
5,200.0	5,103.9	5,188.1	5,092.4	19.5	19.4	87.55	207.9	-810.7	186.1	163.0	23.03	8.080	
5,225.0	5,128.2	5,213.1	5,116.6	19.6	19.5	87.62	209.4	-816.6	187.5	164.3	23.12	8.107	
5,300.0	5,201.0	5,287.9	5,189.3	19.9	19.9	87.81	214.1	-834.1	191.6	168.2	23.41	8.185	
5,320.0	5,220.4	5,307.9	5,208.6	20.0	20.0	87.86	215.3	-838.8	192.7	169.2	23.49	8.205	
5,404.0	5,301.9	5,391.8	5,290.0	20.4	20.4	88.07	220.5	-858.4	197.4	173.6	23.82	8.289	
5,415.0	5,312.5	5,402.8	5,300.7	20.5	20.4	88.10	221.2	-860.9	198.0	174.1	23.86	8.300	
5,500.0	5,395.4	5,487.6	5,383.0	20.9	20.8	87.95	226.5	-880.8	202.8	178.5	24.24	8.366	
5,510.0	5,405.2	5,497.6	5,392.7	20.9	20.9	87.88	227.1	-883.1	203.4	179.1	24.29	8.372	
5,600.0	5,493.5	5,587.3	5,479.8	21.4	21.3	86.89	232.7	-904.1	208.6	183.8	24.82	8.405	
5,605.0	5,498.4	5,592.3	5,484.6	21.4	21.3	86.82	233.0	-905.2	208.9	184.0	24.85	8.406	
5,700.0	5,592.3	5,686.9	5,576.4	21.8	21.8	84.99	238.9	-927.4	214.7	189.1	25.57	8.397	
5,795.0	5,686.5	5,781.1	5,667.8	22.2	22.2	82.48	244.8	-949.4	221.2	194.7	26.51	8.343	
5,800.0	5,691.5	5,786.1	5,672.6	22.3	22.3	82.33	245.1	-950.5	221.6	195.0	26.57	8.339	
5,890.0	5,781.1	5,874.9	5,758.8	22.6	22.7	79.38	250.6	-971.3	228.7	201.0	27.73	8.247	
5,900.0	5,791.1	5,884.8	5,768.4	22.7	22.7	79.03	251.2	-973.6	229.6	201.7	27.88	8.235	
5,985.0	5,876.0	5,968.3	5,849.4	23.0	23.1	75.82	256.4	-993.1	237.6	208.4	29.25	8.124	
6,000.0	5,890.9	5,982.9	5,863.6	23.0	23.2	75.22	257.3	-996.6	239.2	209.7	29.52	8.103	
6,080.0	5,970.9	6,061.0	5,939.3	23.2	23.6	71.91	262.2	-1,014.8	248.5	217.4	31.08	7.996	
6,104.1	5,995.0	6,084.4	5,962.0	23.2	23.7	-17.55	263.7	-1,020.3	251.6	220.0	31.58	7.967	
6,175.0	6,065.9	6,153.2	6,028.8	23.2	24.0	-20.67	267.9	-1,036.4	261.4	228.4	33.02	7.918	
6,200.0	6,090.9	6,177.4	6,052.3	23.2	24.1	-21.71	269.4	-1,042.0	265.1	231.5	33.51	7.909	
6,270.0	6,160.9	6,245.3	6,118.2	23.3	24.5	-24.49	273.7	-1,057.9	275.7	240.8	34.87	7.905	
6,300.0	6,190.9	6,274.4	6,146.5	23.3	24.6	-25.61	275.5	-1,064.7	280.4	245.0	35.44	7.913	
6,365.0	6,255.9	6,337.5	6,207.7	23.3	24.9	-27.93	279.4	-1,079.5	291.1	254.4	36.62	7.948	
6,400.0	6,290.9	6,371.5	6,240.6	23.3	25.1	-29.11	281.5	-1,087.4	297.0	259.7	37.23	7.976	
6,460.0	6,350.9	6,429.7	6,297.1	23.3	25.3	-31.03	285.2	-1,101.0	307.4	269.1	38.24	8.038	
6,500.0	6,390.9	6,468.5	6,334.8	23.3	25.5	-32.24	287.6	-1,110.1	314.5	275.6	38.89	8.087	
6,555.0	6,445.9	6,521.9	6,386.5	23.4	25.8	-33.81	290.9	-1,122.6	324.5	284.8	39.75	8.165	
6,600.0	6,490.9	6,565.5	6,428.9	23.4	26.0	-35.03	293.6	-1,132.8	332.9	292.5	40.42	8.236	
6,650.0	6,540.9	6,614.1	6,476.0	23.4	26.2	-36.32	296.6	-1,144.1	342.3	301.2	41.13	8.323	
6,700.0	6,590.9	6,662.6	6,523.1	23.4	26.5	-37.54	299.6	-1,155.4	352.0	310.1	41.82	8.416	
6,745.0	6,635.9	6,706.2	6,565.4	23.4	26.7	-38.59	302.4	-1,165.7	360.8	318.3	42.42	8.505	
6,800.0	6,690.9	6,759.6	6,617.2	23.4	26.9	-39.79	305.7	-1,178.1	371.6	328.5	43.12	8.620	
6,840.0	6,730.9	6,798.4	6,654.9	23.5	27.1	-40.63	308.1	-1,187.2	379.7	336.0	43.61	8.706	
6,900.0	6,790.9	6,856.6	6,711.4	23.5	27.4	-41.82	311.7	-1,200.8	391.8	347.5	44.32	8.842	
6,935.0	6,825.9	6,890.6	6,744.3	23.5	27.6	-42.48	313.8	-1,208.8	399.0	354.3	44.72	8.923	
7,000.0	6,890.9	6,953.7	6,805.5	23.5	27.9	-43.65	317.8	-1,223.5	412.4	367.0	45.43	9.078	
7,030.0	6,920.9	6,982.8	6,833.7	23.5	28.0	-44.16	319.6	-1,230.3	418.7	372.9	45.75	9.151	
7,100.0	6,990.9	7,050.7	6,899.7	23.5	28.3	-45.31	323.8	-1,246.2	433.4	386.9	46.48	9.325	
7,125.0	7,015.9	7,074.9	6,923.2	23.6	28.5	-45.70	325.3	-1,251.9	438.7	392.0	46.73	9.388	
7,200.0	7,090.9	7,147.7	6,993.8	23.6	28.8	-46.81	329.8	-1,268.9	454.7	407.2	47.47	9.580	
7,220.0	7,110.9	7,167.1	7,012.6	23.6	28.9	-47.09	331.1	-1,273.4	459.0	411.4	47.66	9.631	
7,300.0	7,190.9	7,244.7	7,087.9	23.6	29.3	-48.18	335.9	-1,291.5	476.3	427.9	48.40	9.841	
7,315.0	7,205.9	7,259.3	7,102.1	23.6	29.4	-48.38	336.8	-1,295.0	479.6	431.0	48.54	9.880	
7,400.0	7,290.9	7,341.8	7,182.1	23.6	29.8	-49.43	341.9	-1,314.2	498.1	448.8	49.29	10.106	
7,410.0	7,300.9	7,351.5	7,191.5	23.6	29.8	-49.55	342.5	-1,316.5	500.3	450.9	49.38	10.133	
7,500.0	7,390.9	7,438.8	7,276.2	23.7	30.2	-50.58	348.0	-1,336.9	520.1	470.0	50.14	10.374	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	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
7,505.0	7,395.9	7,443.7	7,280.9	23.7	30.2	-50.64	348.3	-1,338.0	521.2	471.1	50.18	10.387	
7,600.0	7,490.9	7,541.6	7,376.0	23.7	30.7	-51.69	354.3	-1,360.8	542.2	491.2	50.99	10.634	
7,695.0	7,585.9	7,654.5	7,486.4	23.7	31.3	-52.67	360.5	-1,383.9	560.8	509.0	51.76	10.834	
7,700.0	7,590.9	7,660.5	7,492.3	23.8	31.3	-52.72	360.8	-1,385.0	561.7	509.9	51.80	10.844	
7,790.0	7,680.9	7,769.3	7,599.4	23.8	31.8	-53.43	365.5	-1,403.0	576.0	523.6	52.40	10.993	
7,800.0	7,690.9	7,781.4	7,611.4	23.8	31.9	-53.50	366.0	-1,404.7	577.4	525.0	52.46	11.007	
7,885.0	7,775.9	7,885.4	7,714.5	23.8	32.3	-53.99	369.5	-1,417.9	587.8	534.9	52.89	11.113	
7,900.0	7,790.9	7,903.9	7,732.9	23.8	32.4	-54.06	370.0	-1,419.8	589.3	536.3	52.96	11.128	
7,980.0	7,870.9	8,002.7	7,831.3	23.9	32.8	-54.37	372.3	-1,428.3	596.0	542.7	53.23	11.195	
8,000.0	7,890.9	8,027.5	7,856.0	23.9	32.9	-54.42	372.7	-1,429.9	597.2	543.9	53.28	11.209	
8,075.0	7,965.9	8,120.6	7,949.1	23.9	33.2	-54.57	373.9	-1,434.2	600.5	547.1	53.38	11.249	
8,100.0	7,990.9	8,151.7	7,980.1	23.9	33.2	-54.60	374.1	-1,434.9	601.1	547.7	53.36	11.264	
8,170.0	8,060.9	8,232.9	8,061.3	23.9	33.3	-54.61	374.2	-1,435.5	601.5	548.2	53.33	11.280	
8,200.0	8,090.9	8,262.9	8,091.3	23.9	33.3	-54.61	374.2	-1,435.5	601.5	548.2	53.35	11.276	
8,265.0	8,155.9	8,327.9	8,156.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.1	53.39	11.267	
8,300.0	8,190.9	8,362.9	8,191.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.1	53.41	11.261	
8,360.0	8,250.9	8,422.9	8,251.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.1	53.46	11.253	
8,400.0	8,290.9	8,462.9	8,291.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.0	53.49	11.247	
8,455.0	8,345.9	8,517.9	8,346.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.0	53.52	11.238	
8,500.0	8,390.9	8,562.9	8,391.3	24.0	33.4	-54.61	374.2	-1,435.5	601.5	548.0	53.56	11.232	
8,550.0	8,440.9	8,612.9	8,441.3	24.1	33.4	-54.61	374.2	-1,435.5	601.5	547.9	53.59	11.224	
8,600.0	8,490.9	8,662.9	8,491.3	24.1	33.4	-54.61	374.2	-1,435.5	601.5	547.9	53.63	11.217	
8,645.0	8,535.9	8,707.9	8,536.3	24.1	33.5	-54.61	374.2	-1,435.5	601.5	547.9	53.66	11.210	
8,700.0	8,590.9	8,762.9	8,591.3	24.1	33.5	-54.61	374.2	-1,435.5	601.5	547.8	53.70	11.202	
8,740.0	8,630.9	8,802.9	8,631.3	24.1	33.5	-54.61	374.2	-1,435.5	601.5	547.8	53.73	11.196	
8,800.0	8,690.9	8,862.9	8,691.3	24.2	33.5	-54.61	374.2	-1,435.5	601.5	547.8	53.77	11.187	
8,835.0	8,725.9	8,897.9	8,726.3	24.2	33.5	-54.61	374.2	-1,435.5	601.5	547.7	53.80	11.182	
8,900.0	8,790.9	8,962.9	8,791.3	24.2	33.5	-54.61	374.2	-1,435.5	601.5	547.7	53.84	11.172	
8,930.0	8,820.9	8,992.9	8,821.3	24.2	33.5	-54.61	374.2	-1,435.5	601.5	547.7	53.87	11.167	
9,000.0	8,890.9	9,062.9	8,891.3	24.2	33.6	-54.61	374.2	-1,435.5	601.5	547.6	53.92	11.157	
9,025.0	8,915.9	9,087.9	8,916.3	24.2	33.6	-54.61	374.2	-1,435.5	601.5	547.6	53.93	11.153	
9,100.0	8,990.9	9,162.9	8,991.3	24.3	33.6	-54.61	374.2	-1,435.5	601.5	547.5	53.99	11.142	
9,120.0	9,010.9	9,182.9	9,011.3	24.3	33.6	-54.61	374.2	-1,435.5	601.5	547.5	54.00	11.139	
9,200.0	9,090.9	9,262.9	9,091.3	24.3	33.6	-54.61	374.2	-1,435.5	601.5	547.5	54.06	11.126	
9,215.0	9,105.9	9,277.9	9,106.3	24.3	33.6	-54.61	374.2	-1,435.5	601.5	547.5	54.07	11.124	
9,300.0	9,190.9	9,362.9	9,191.3	24.3	33.6	-54.61	374.2	-1,435.5	601.5	547.4	54.14	11.111	
9,310.0	9,200.9	9,372.9	9,201.3	24.4	33.6	-54.61	374.2	-1,435.5	601.5	547.4	54.14	11.110	
9,400.0	9,290.9	9,462.9	9,291.3	24.4	33.7	-54.61	374.2	-1,435.5	601.5	547.3	54.21	11.096	
9,405.0	9,295.9	9,467.9	9,296.3	24.4	33.7	-54.61	374.2	-1,435.5	601.5	547.3	54.22	11.095	
9,500.0	9,390.9	9,562.9	9,391.3	24.4	33.7	-54.61	374.2	-1,435.5	601.5	547.2	54.29	11.081	
9,595.0	9,485.9	9,657.9	9,486.3	24.5	33.7	-54.61	374.2	-1,435.5	601.5	547.2	54.36	11.066	
9,600.0	9,490.9	9,662.9	9,491.3	24.5	33.7	-54.61	374.2	-1,435.5	601.5	547.2	54.36	11.065	
9,690.0	9,580.9	9,752.9	9,581.3	24.5	33.7	-54.61	374.2	-1,435.5	601.5	547.1	54.43	11.051	
9,700.0	9,590.9	9,762.9	9,591.3	24.5	33.7	-54.61	374.2	-1,435.5	601.5	547.1	54.44	11.050	
9,785.0	9,675.9	9,847.9	9,676.3	24.5	33.8	-54.61	374.2	-1,435.5	601.5	547.0	54.50	11.037	
9,800.0	9,690.9	9,862.9	9,691.3	24.5	33.8	-54.61	374.2	-1,435.5	601.5	547.0	54.51	11.035	
9,810.3	9,701.2	9,873.2	9,701.6	24.6	33.8	-54.61	374.2	-1,435.5	601.5	547.0	54.52	11.033	
9,880.0	9,770.9	9,939.9	9,768.2	24.6	33.8	-54.61	374.2	-1,435.5	601.5	546.9	54.61	11.015	
9,900.0	9,790.9	9,950.0	9,778.4	24.6	33.8	-54.60	374.4	-1,435.5	601.8	547.0	54.77	10.987	
9,975.0	9,865.9	10,000.0	9,828.3	24.6	33.8	-54.33	377.9	-1,435.5	604.9	549.8	55.09	10.979	
10,000.0	9,890.9	10,013.8	9,842.0	24.6	33.8	-54.19	379.7	-1,435.5	606.7	551.5	55.21	10.989	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						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		
10,070.0	9,960.9	10,050.0	9,877.6	24.6	33.8	-53.73	385.8	-1,435.5	614.1	558.5	55.53	11.058		
10,079.1	9,970.0	10,061.4	9,888.8	24.6	33.8	-53.55	388.2	-1,435.5	615.2	559.7	55.47	11.091		
10,100.0	9,990.9	10,073.7	9,900.8	24.7	33.8	-53.02	391.0	-1,435.5	617.9	562.4	55.51	11.132		
10,150.0	10,040.7	10,100.0	9,926.1	24.7	33.8	-52.19	397.9	-1,435.5	623.6	568.0	55.68	11.200		
10,165.0	10,055.6	10,112.0	9,937.6	24.7	33.8	-51.93	401.4	-1,435.5	625.2	569.5	55.68	11.227		
10,200.0	10,090.0	10,132.6	9,957.1	24.7	33.8	-51.46	408.1	-1,435.5	628.4	572.6	55.80	11.261		
10,250.0	10,138.4	10,161.9	9,984.4	24.7	33.8	-50.93	418.7	-1,435.5	632.0	576.0	55.99	11.288		
10,260.0	10,147.9	10,167.8	9,989.8	24.7	33.8	-50.84	421.0	-1,435.6	632.6	576.6	56.03	11.290		
10,300.0	10,185.5	10,200.0	10,019.0	24.7	33.8	-50.52	434.6	-1,435.6	634.7	578.6	56.10	11.314		
10,350.0	10,230.9	10,220.5	10,037.2	24.7	33.8	-50.37	444.0	-1,435.6	636.0	579.5	56.44	11.267		
10,355.0	10,235.4	10,223.4	10,039.8	24.7	33.8	-50.36	445.5	-1,435.6	636.1	579.6	56.47	11.264		
10,400.0	10,274.4	10,250.0	10,062.7	24.7	33.8	-50.33	458.8	-1,435.6	636.2	579.5	56.70	11.221		
10,450.0	10,315.6	10,279.0	10,087.1	24.7	33.8	-50.46	474.6	-1,435.7	635.3	578.4	56.98	11.151		
10,500.0	10,354.1	10,300.0	10,104.2	24.7	33.8	-50.70	486.8	-1,435.7	633.4	576.0	57.34	11.046		
10,545.0	10,386.3	10,334.7	10,131.4	24.7	33.9	-51.15	508.3	-1,435.7	630.5	573.0	57.54	10.958		
10,550.0	10,389.7	10,337.6	10,133.6	24.7	33.9	-51.20	510.2	-1,435.7	630.1	572.6	57.57	10.946		
10,600.0	10,422.1	10,367.0	10,155.5	24.8	33.9	-51.82	529.7	-1,435.8	625.9	568.0	57.87	10.814		
10,640.0	10,445.5	10,400.0	10,178.9	24.8	33.9	-52.56	553.0	-1,435.8	621.8	563.8	58.05	10.711		
10,650.0	10,451.0	10,400.0	10,178.9	24.8	33.9	-52.66	553.0	-1,435.8	620.6	562.4	58.16	10.670		
10,700.0	10,476.3	10,426.0	10,196.3	24.8	33.9	-53.58	572.3	-1,435.8	614.3	555.8	58.50	10.500		
10,735.0	10,491.8	10,450.0	10,211.7	24.8	33.9	-54.42	590.8	-1,435.9	609.3	550.6	58.70	10.380		
10,750.0	10,497.8	10,450.0	10,211.7	24.8	33.9	-54.60	590.8	-1,435.9	607.1	548.3	58.84	10.318		
10,800.0	10,515.2	10,485.4	10,232.8	24.9	33.9	-56.04	619.1	-1,435.9	599.0	539.9	59.12	10.132		
10,830.0	10,523.7	10,500.0	10,241.0	24.9	33.9	-56.83	631.2	-1,436.0	593.9	534.5	59.31	10.012		
10,850.0	10,528.5	10,515.3	10,249.3	24.9	33.9	-57.54	644.1	-1,436.0	590.3	530.8	59.42	9.934		
10,900.0	10,537.5	10,550.0	10,266.8	25.0	33.9	-59.37	674.1	-1,436.0	580.9	521.2	59.69	9.731		
10,925.0	10,540.4	10,560.5	10,271.7	25.0	33.9	-60.14	683.4	-1,436.1	576.0	516.2	59.83	9.627		
10,950.0	10,542.3	10,575.7	10,278.5	25.0	33.9	-61.10	697.0	-1,436.1	571.0	511.1	59.96	9.523		
10,976.7	10,543.0	10,600.0	10,288.6	25.1	34.0	-62.47	719.0	-1,436.1	565.7	505.6	60.09	9.414		
11,000.0	10,543.1	10,600.0	10,288.6	25.1	34.0	-62.47	719.0	-1,436.1	561.1	501.0	60.17	9.325		
11,020.0	10,543.2	10,619.0	10,295.9	25.1	34.0	-63.14	736.6	-1,436.2	557.5	497.2	60.27	9.250		
11,100.0	10,543.5	10,671.6	10,313.0	25.3	34.0	-64.73	786.3	-1,436.3	545.7	485.2	60.50	9.019		
11,115.0	10,543.6	10,681.8	10,315.7	25.3	34.0	-64.99	796.1	-1,436.3	543.9	483.4	60.53	8.985		
11,200.0	10,543.9	10,741.3	10,328.4	25.5	34.1	-66.19	854.2	-1,436.4	536.4	475.7	60.67	8.841		
11,210.0	10,544.0	10,750.0	10,329.8	25.5	34.1	-66.32	862.8	-1,436.4	535.8	475.1	60.70	8.827		
11,300.0	10,544.4	10,813.8	10,335.6	25.7	34.1	-66.87	926.3	-1,436.5	532.6	471.8	60.75	8.766		
11,305.0	10,544.4	10,817.5	10,335.7	25.7	34.1	-66.88	930.0	-1,436.5	532.5	471.8	60.76	8.765		
11,325.2	10,544.5	10,832.3	10,336.0	25.7	34.1	-66.90	944.8	-1,436.6	532.4	471.7	60.76	8.762		
11,400.0	10,544.8	10,907.1	10,336.3	25.9	34.2	-66.90	1,019.6	-1,436.7	532.4	471.4	61.03	8.725		
11,495.0	10,545.2	11,002.1	10,336.7	26.1	34.3	-66.90	1,114.6	-1,436.9	532.4	471.0	61.39	8.672		
11,500.0	10,545.2	11,007.1	10,336.7	26.1	34.3	-66.90	1,119.6	-1,436.9	532.4	471.0	61.41	8.670		
11,590.0	10,545.6	11,097.1	10,337.1	26.4	34.5	-66.90	1,209.6	-1,437.1	532.4	470.6	61.79	8.616		
11,600.0	10,545.6	11,107.1	10,337.1	26.4	34.5	-66.90	1,219.6	-1,437.1	532.4	470.6	61.84	8.610		
11,685.0	10,546.0	11,192.1	10,337.5	26.6	34.6	-66.90	1,304.6	-1,437.3	532.4	470.2	62.23	8.557		
11,700.0	10,546.0	11,207.1	10,337.6	26.7	34.6	-66.90	1,319.6	-1,437.3	532.4	470.1	62.30	8.547		
11,780.0	10,546.4	11,287.1	10,337.9	26.9	34.8	-66.90	1,399.6	-1,437.5	532.4	469.8	62.69	8.493		
11,800.0	10,546.5	11,307.1	10,338.0	27.0	34.8	-66.90	1,419.6	-1,437.5	532.4	469.7	62.79	8.480		
11,875.0	10,546.8	11,382.1	10,338.3	27.2	34.9	-66.90	1,494.6	-1,437.6	532.4	469.3	63.18	8.427		
11,900.0	10,546.9	11,407.1	10,338.4	27.3	35.0	-66.90	1,519.6	-1,437.7	532.4	469.1	63.31	8.410		
11,970.0	10,547.2	11,477.1	10,338.7	27.6	35.1	-66.90	1,589.6	-1,437.8	532.5	468.7	63.70	8.358		
12,000.0	10,547.3	11,507.1	10,338.8	27.7	35.2	-66.90	1,619.6	-1,437.9	532.5	468.6	63.87	8.336		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
12,065.0	10,547.6	11,572.1	10,339.1	27.9	35.3	-66.90	1,684.6	-1,438.0	532.5	468.2	64.26	8.286	
12,100.0	10,547.7	11,607.1	10,339.2	28.0	35.4	-66.90	1,719.6	-1,438.1	532.5	468.0	64.46	8.260	
12,160.0	10,548.0	11,667.1	10,339.5	28.2	35.6	-66.90	1,779.6	-1,438.2	532.5	467.6	64.84	8.212	
12,200.0	10,548.1	11,707.1	10,339.6	28.4	35.6	-66.90	1,819.6	-1,438.3	532.5	467.4	65.08	8.181	
12,255.0	10,548.4	11,762.1	10,339.9	28.6	35.8	-66.90	1,874.6	-1,438.4	532.5	467.0	65.44	8.136	
12,300.0	10,548.5	11,807.1	10,340.0	28.8	35.9	-66.90	1,919.6	-1,438.5	532.5	466.7	65.74	8.100	
12,350.0	10,548.8	11,857.1	10,340.2	29.0	36.0	-66.90	1,969.6	-1,438.6	532.5	466.4	66.07	8.059	
12,400.0	10,549.0	11,907.1	10,340.5	29.2	36.2	-66.90	2,019.6	-1,438.7	532.5	466.1	66.41	8.017	
12,445.0	10,549.2	11,952.1	10,340.6	29.4	36.3	-66.90	2,064.6	-1,438.8	532.5	465.7	66.73	7.979	
12,500.0	10,549.4	12,007.1	10,340.9	29.6	36.5	-66.90	2,119.6	-1,438.9	532.5	465.3	67.12	7.933	
12,540.0	10,549.6	12,047.1	10,341.0	29.8	36.6	-66.90	2,159.6	-1,438.9	532.5	465.1	67.42	7.898	
12,600.0	10,549.8	12,107.1	10,341.3	30.0	36.8	-66.90	2,219.6	-1,439.1	532.5	464.6	67.86	7.847	
12,635.0	10,550.0	12,142.1	10,341.4	30.2	36.9	-66.90	2,254.6	-1,439.1	532.5	464.4	68.12	7.816	
12,700.0	10,550.2	12,207.1	10,341.7	30.5	37.1	-66.90	2,319.6	-1,439.3	532.5	463.9	68.62	7.760	
12,730.0	10,550.4	12,237.1	10,341.8	30.6	37.2	-66.90	2,349.6	-1,439.3	532.5	463.6	68.85	7.734	
12,800.0	10,550.6	12,307.1	10,342.1	30.9	37.4	-66.90	2,419.6	-1,439.5	532.5	463.1	69.40	7.672	
12,825.0	10,550.7	12,332.1	10,342.2	31.1	37.5	-66.90	2,444.6	-1,439.5	532.5	462.9	69.61	7.650	
12,900.0	10,551.1	12,407.1	10,342.5	31.4	37.7	-66.90	2,519.6	-1,439.6	532.5	462.3	70.22	7.584	
12,920.0	10,551.1	12,427.1	10,342.6	31.5	37.8	-66.90	2,539.6	-1,439.7	532.5	462.1	70.38	7.566	
13,000.0	10,551.5	12,507.1	10,342.9	31.9	38.1	-66.90	2,619.6	-1,439.8	532.5	461.4	71.05	7.495	
13,015.0	10,551.5	12,522.1	10,343.0	32.0	38.1	-66.90	2,634.6	-1,439.9	532.5	461.3	71.18	7.481	
13,100.0	10,551.9	12,607.1	10,343.4	32.4	38.5	-66.90	2,719.6	-1,440.0	532.5	460.6	71.91	7.405	
13,110.0	10,551.9	12,617.1	10,343.4	32.4	38.5	-66.90	2,729.6	-1,440.1	532.5	460.5	71.99	7.396	
13,200.0	10,552.3	12,707.1	10,343.8	32.9	38.8	-66.90	2,819.6	-1,440.2	532.5	459.7	72.79	7.316	
13,205.0	10,552.3	12,712.1	10,343.8	32.9	38.9	-66.90	2,824.6	-1,440.2	532.5	459.7	72.83	7.311	
13,300.0	10,552.7	12,807.1	10,344.2	33.4	39.2	-66.90	2,919.6	-1,440.4	532.5	458.8	73.69	7.227	
13,395.0	10,553.1	12,902.1	10,344.6	33.9	39.6	-66.90	3,014.6	-1,440.6	532.5	457.9	74.56	7.142	
13,400.0	10,553.2	12,907.1	10,344.6	33.9	39.6	-66.90	3,019.6	-1,440.6	532.5	457.9	74.61	7.137	
13,490.0	10,553.5	12,997.1	10,345.0	34.4	40.0	-66.90	3,109.6	-1,440.8	532.5	457.1	75.45	7.058	
13,500.0	10,553.6	13,007.1	10,345.0	34.5	40.0	-66.90	3,119.6	-1,440.8	532.5	457.0	75.55	7.049	
13,585.0	10,553.9	13,092.1	10,345.4	34.9	40.4	-66.89	3,204.6	-1,441.0	532.5	456.2	76.36	6.973	
13,600.0	10,554.0	13,107.1	10,345.4	35.0	40.5	-66.89	3,219.6	-1,441.0	532.5	456.0	76.51	6.960	
13,680.0	10,554.3	13,187.1	10,345.8	35.4	40.8	-66.89	3,299.6	-1,441.2	532.5	455.2	77.29	6.890	
13,700.0	10,554.4	13,207.1	10,345.8	35.5	40.9	-66.89	3,319.6	-1,441.2	532.5	455.0	77.48	6.873	
13,775.0	10,554.7	13,282.1	10,346.2	36.0	41.2	-66.89	3,394.6	-1,441.4	532.5	454.3	78.23	6.807	
13,800.0	10,554.8	13,307.1	10,346.3	36.1	41.4	-66.89	3,419.6	-1,441.4	532.5	454.0	78.48	6.785	
13,870.0	10,555.1	13,377.1	10,346.5	36.5	41.7	-66.89	3,489.6	-1,441.5	532.5	453.3	79.19	6.725	
13,900.0	10,555.3	13,407.1	10,346.7	36.7	41.8	-66.89	3,519.6	-1,441.6	532.5	453.0	79.49	6.699	
13,965.0	10,555.5	13,472.1	10,346.9	37.0	42.1	-66.89	3,584.6	-1,441.7	532.5	452.4	80.16	6.643	
14,000.0	10,555.7	13,507.1	10,347.1	37.2	42.3	-66.89	3,619.6	-1,441.8	532.5	452.0	80.52	6.614	
14,060.0	10,555.9	13,567.1	10,347.3	37.6	42.6	-66.89	3,679.6	-1,441.9	532.5	451.4	81.15	6.563	
14,100.0	10,556.1	13,607.1	10,347.5	37.8	42.8	-66.89	3,719.6	-1,442.0	532.5	451.0	81.56	6.529	
14,155.0	10,556.3	13,662.1	10,347.7	38.1	43.0	-66.89	3,774.6	-1,442.1	532.5	450.4	82.15	6.483	
14,200.0	10,556.5	13,707.1	10,347.9	38.4	43.2	-66.89	3,819.6	-1,442.2	532.5	449.9	82.62	6.445	
14,250.0	10,556.7	13,757.1	10,348.1	38.7	43.5	-66.89	3,869.6	-1,442.3	532.5	449.4	83.16	6.404	
14,300.0	10,556.9	13,807.1	10,348.3	39.0	43.7	-66.89	3,919.6	-1,442.4	532.5	448.8	83.70	6.363	
14,345.0	10,557.1	13,852.1	10,348.5	39.2	44.0	-66.89	3,964.6	-1,442.5	532.5	448.4	84.19	6.326	
14,400.0	10,557.4	13,907.1	10,348.7	39.6	44.2	-66.89	4,019.6	-1,442.6	532.5	447.8	84.78	6.281	
14,440.0	10,557.5	13,947.1	10,348.9	39.8	44.4	-66.89	4,059.6	-1,442.7	532.5	447.3	85.22	6.249	
14,500.0	10,557.8	14,007.1	10,349.2	40.2	44.8	-66.89	4,119.6	-1,442.8	532.5	446.7	85.88	6.201	
14,535.0	10,557.9	14,042.1	10,349.3	40.4	44.9	-66.89	4,154.6	-1,442.8	532.5	446.3	86.27	6.173	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,600.0	10,558.2	14,107.1	10,349.6	40.8	45.3	-66.89	4,219.6	-1,443.0	532.6	445.6	87.00	6.121	
14,630.0	10,558.3	14,137.1	10,349.7	41.0	45.4	-66.89	4,249.6	-1,443.0	532.6	445.2	87.34	6.098	
14,700.0	10,558.6	14,207.1	10,350.0	41.4	45.8	-66.89	4,319.6	-1,443.2	532.6	444.4	88.12	6.043	
14,725.0	10,558.7	14,232.1	10,350.1	41.5	45.9	-66.89	4,344.6	-1,443.2	532.6	444.1	88.41	6.024	
14,800.0	10,559.0	14,307.1	10,350.4	42.0	46.3	-66.89	4,419.6	-1,443.4	532.6	443.3	89.26	5.966	
14,820.0	10,559.1	14,327.1	10,350.5	42.1	46.4	-66.89	4,439.6	-1,443.4	532.6	443.1	89.49	5.951	
14,900.0	10,559.4	14,407.1	10,350.8	42.6	46.9	-66.89	4,519.6	-1,443.5	532.6	442.2	90.41	5.890	
14,915.0	10,559.5	14,422.1	10,350.9	42.7	46.9	-66.89	4,534.6	-1,443.6	532.6	442.0	90.59	5.879	
15,000.0	10,559.9	14,507.1	10,351.2	43.2	47.4	-66.89	4,619.6	-1,443.7	532.6	441.0	91.57	5.816	
15,010.0	10,559.9	14,517.1	10,351.3	43.3	47.5	-66.89	4,629.6	-1,443.8	532.6	440.9	91.69	5.808	
15,100.0	10,560.3	14,607.1	10,351.6	43.9	48.0	-66.89	4,719.6	-1,443.9	532.6	439.8	92.74	5.742	
15,105.0	10,560.3	14,612.1	10,351.7	43.9	48.0	-66.89	4,724.6	-1,443.9	532.6	439.8	92.80	5.739	
15,200.0	10,560.7	14,707.1	10,352.1	44.5	48.5	-66.89	4,819.6	-1,444.1	532.6	438.7	93.92	5.670	
15,295.0	10,561.1	14,802.1	10,352.5	45.1	49.1	-66.89	4,914.6	-1,444.3	532.6	437.5	95.06	5.603	
15,300.0	10,561.1	14,807.1	10,352.5	45.1	49.1	-66.89	4,919.6	-1,444.3	532.6	437.5	95.12	5.599	
15,390.0	10,561.5	14,897.1	10,352.9	45.7	49.6	-66.89	5,009.6	-1,444.5	532.6	436.4	96.20	5.536	
15,400.0	10,561.5	14,907.1	10,352.9	45.8	49.7	-66.89	5,019.6	-1,444.5	532.6	436.3	96.32	5.529	
15,485.0	10,561.9	14,992.1	10,353.2	46.3	50.1	-66.89	5,104.6	-1,444.7	532.6	435.2	97.35	5.471	
15,500.0	10,562.0	15,007.1	10,353.3	46.4	50.2	-66.89	5,119.6	-1,444.7	532.6	435.1	97.53	5.461	
15,580.0	10,562.3	15,087.1	10,353.6	46.9	50.7	-66.89	5,199.6	-1,444.9	532.6	434.1	98.50	5.407	
15,600.0	10,562.4	15,107.1	10,353.7	47.1	50.8	-66.89	5,219.6	-1,444.9	532.6	433.8	98.75	5.394	
15,675.0	10,562.7	15,182.1	10,354.0	47.6	51.2	-66.89	5,294.6	-1,445.1	532.6	432.9	99.67	5.344	
15,700.0	10,562.8	15,207.1	10,354.1	47.7	51.4	-66.89	5,319.6	-1,445.1	532.6	432.6	99.97	5.327	
15,770.0	10,563.1	15,277.1	10,354.4	48.2	51.8	-66.89	5,389.6	-1,445.2	532.6	431.8	100.84	5.282	
15,800.0	10,563.2	15,307.1	10,354.5	48.4	52.0	-66.89	5,419.6	-1,445.3	532.6	431.4	101.21	5.262	
15,865.0	10,563.5	15,372.1	10,354.8	48.8	52.4	-66.89	5,484.6	-1,445.4	532.6	430.6	102.02	5.221	
15,900.0	10,563.6	15,407.1	10,355.0	49.0	52.6	-66.89	5,519.6	-1,445.5	532.6	430.1	102.45	5.199	
15,960.0	10,563.9	15,467.1	10,355.2	49.4	52.9	-66.89	5,579.6	-1,445.6	532.6	429.4	103.20	5.161	
16,000.0	10,564.1	15,507.1	10,355.4	49.7	53.2	-66.89	5,619.6	-1,445.7	532.6	428.9	103.70	5.136	
16,055.0	10,564.3	15,562.1	10,355.6	50.1	53.5	-66.89	5,674.6	-1,445.8	532.6	428.2	104.40	5.102	
16,100.0	10,564.5	15,607.1	10,355.8	50.4	53.8	-66.89	5,719.6	-1,445.9	532.6	427.6	104.96	5.074	
16,150.0	10,564.7	15,657.1	10,356.0	50.7	54.1	-66.88	5,769.6	-1,446.0	532.6	427.0	105.60	5.044	
16,200.0	10,564.9	15,707.1	10,356.2	51.0	54.4	-66.88	5,819.6	-1,446.1	532.6	426.4	106.23	5.014	
16,245.0	10,565.1	15,752.1	10,356.4	51.3	54.7	-66.88	5,864.6	-1,446.2	532.6	425.8	106.80	4.987	
16,300.0	10,565.3	15,807.1	10,356.6	51.7	55.0	-66.88	5,919.6	-1,446.3	532.6	425.1	107.50	4.955	
16,340.0	10,565.5	15,847.1	10,356.8	52.0	55.2	-66.88	5,959.6	-1,446.4	532.6	424.6	108.01	4.931	
16,400.0	10,565.7	15,907.1	10,357.0	52.4	55.6	-66.88	6,019.6	-1,446.5	532.6	423.8	108.78	4.896	
16,435.0	10,565.9	15,942.1	10,357.2	52.6	55.8	-66.88	6,054.6	-1,446.5	532.6	423.4	109.23	4.876	
16,500.0	10,566.2	16,007.1	10,357.5	53.0	56.2	-66.88	6,119.6	-1,446.7	532.6	422.6	110.07	4.839	
16,530.0	10,566.3	16,037.1	10,357.6	53.3	56.4	-66.88	6,149.6	-1,446.7	532.6	422.2	110.45	4.822	
16,600.0	10,566.6	16,107.1	10,357.9	53.7	56.9	-66.88	6,219.6	-1,446.9	532.6	421.3	111.36	4.783	
16,625.0	10,566.7	16,132.1	10,358.0	53.9	57.0	-66.88	6,244.6	-1,446.9	532.6	420.9	111.68	4.769	
16,700.0	10,567.0	16,207.1	10,358.3	54.4	57.5	-66.88	6,319.6	-1,447.1	532.6	420.0	112.66	4.728	
16,720.0	10,567.1	16,227.1	10,358.4	54.5	57.6	-66.88	6,339.6	-1,447.1	532.6	419.7	112.92	4.717	
16,800.0	10,567.4	16,307.1	10,358.7	55.1	58.1	-66.88	6,419.6	-1,447.3	532.6	418.7	113.96	4.674	
16,815.0	10,567.5	16,322.1	10,358.8	55.2	58.2	-66.88	6,434.6	-1,447.3	532.6	418.5	114.16	4.666	
16,900.0	10,567.8	16,407.1	10,359.1	55.8	58.7	-66.88	6,519.6	-1,447.4	532.6	417.4	115.27	4.621	
16,910.0	10,567.9	16,417.1	10,359.2	55.8	58.8	-66.88	6,529.6	-1,447.5	532.6	417.2	115.40	4.616	
17,000.0	10,568.3	16,507.1	10,359.5	56.5	59.4	-66.88	6,619.6	-1,447.6	532.6	416.1	116.58	4.569	
17,005.0	10,568.3	16,512.1	10,359.5	56.5	59.4	-66.88	6,624.6	-1,447.7	532.6	416.0	116.65	4.566	
17,100.0	10,568.7	16,607.1	10,359.9	57.1	60.0	-66.88	6,719.6	-1,447.8	532.6	414.7	117.90	4.518	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	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
17,195.0	10,569.1	16,702.1	10,360.3	57.8	60.6	-66.88	6,814.5	-1,448.0	532.7	413.5	119.16	4.470	
17,200.0	10,569.1	16,707.1	10,360.4	57.8	60.7	-66.88	6,819.5	-1,448.0	532.7	413.4	119.23	4.468	
17,290.0	10,569.5	16,797.1	10,360.7	58.4	61.2	-66.88	6,909.5	-1,448.2	532.7	412.2	120.42	4.423	
17,300.0	10,569.5	16,807.1	10,360.8	58.5	61.3	-66.88	6,919.5	-1,448.2	532.7	412.1	120.56	4.418	
17,385.0	10,569.9	16,892.1	10,361.1	59.1	61.9	-66.88	7,004.5	-1,448.4	532.7	411.0	121.69	4.377	
17,400.0	10,569.9	16,907.1	10,361.2	59.2	62.0	-66.88	7,019.5	-1,448.4	532.7	410.8	121.89	4.370	
17,480.0	10,570.3	16,987.1	10,361.5	59.8	62.5	-66.88	7,099.5	-1,448.6	532.7	409.7	122.96	4.332	
17,500.0	10,570.4	17,007.1	10,361.6	59.9	62.6	-66.88	7,119.5	-1,448.6	532.7	409.4	123.23	4.323	
17,575.0	10,570.7	17,082.1	10,361.9	60.4	63.1	-66.88	7,194.5	-1,448.8	532.7	408.4	124.24	4.287	
17,600.0	10,570.8	17,107.1	10,362.0	60.6	63.3	-66.88	7,219.5	-1,448.8	532.7	408.1	124.57	4.276	
17,670.0	10,571.1	17,177.1	10,362.3	61.1	63.7	-66.88	7,289.5	-1,449.0	532.7	407.2	125.52	4.244	
17,700.0	10,571.2	17,207.1	10,362.4	61.3	63.9	-66.88	7,319.5	-1,449.0	532.7	406.7	125.92	4.230	
17,765.0	10,571.5	17,272.1	10,362.7	61.8	64.3	-66.88	7,384.5	-1,449.1	532.7	405.9	126.80	4.201	
17,800.0	10,571.6	17,307.1	10,362.8	62.0	64.6	-66.88	7,419.5	-1,449.2	532.7	405.4	127.27	4.185	
17,860.0	10,571.9	17,367.1	10,363.1	62.4	65.0	-66.88	7,479.5	-1,449.3	532.7	404.6	128.09	4.159	
17,900.0	10,572.0	17,407.1	10,363.3	62.7	65.2	-66.88	7,519.5	-1,449.4	532.7	404.0	128.63	4.141	
17,955.0	10,572.3	17,462.1	10,363.5	63.1	65.6	-66.88	7,574.5	-1,449.5	532.7	403.3	129.38	4.117	
18,000.0	10,572.4	17,507.1	10,363.7	63.4	65.9	-66.88	7,619.5	-1,449.6	532.7	402.7	129.99	4.098	
18,050.0	10,572.7	17,557.1	10,363.9	63.8	66.2	-66.88	7,669.5	-1,449.7	532.7	402.0	130.67	4.077	
18,100.0	10,572.9	17,607.1	10,364.1	64.1	66.6	-66.88	7,719.5	-1,449.8	532.7	401.3	131.35	4.055	
18,145.0	10,573.1	17,652.1	10,364.3	64.4	66.9	-66.88	7,764.5	-1,449.9	532.7	400.7	131.97	4.037	
18,200.0	10,573.3	17,707.1	10,364.5	64.8	67.2	-66.88	7,819.5	-1,450.0	532.7	400.0	132.72	4.014	
18,240.0	10,573.5	17,747.1	10,364.7	65.1	67.5	-66.88	7,859.5	-1,450.1	532.7	399.4	133.27	3.997	
18,300.0	10,573.7	17,807.1	10,364.9	65.5	67.9	-66.88	7,919.5	-1,450.2	532.7	398.6	134.09	3.973	
18,335.0	10,573.9	17,842.1	10,365.1	65.8	68.1	-66.88	7,954.5	-1,450.2	532.7	398.1	134.57	3.958	
18,400.0	10,574.1	17,907.1	10,365.3	66.2	68.6	-66.88	8,019.5	-1,450.4	532.7	397.2	135.46	3.932	
18,430.0	10,574.3	17,937.1	10,365.5	66.4	68.8	-66.88	8,049.5	-1,450.4	532.7	396.8	135.88	3.920	
18,500.0	10,574.5	18,007.1	10,365.7	66.9	69.2	-66.88	8,119.5	-1,450.6	532.7	395.9	136.84	3.893	
18,525.0	10,574.6	18,032.1	10,365.8	67.1	69.4	-66.88	8,144.5	-1,450.6	532.7	395.5	137.19	3.883	
18,600.0	10,575.0	18,107.1	10,366.2	67.6	69.9	-66.88	8,219.5	-1,450.8	532.7	394.5	138.22	3.854	
18,620.0	10,575.0	18,127.1	10,366.2	67.8	70.0	-66.88	8,239.5	-1,450.8	532.7	394.2	138.50	3.846	
18,700.0	10,575.4	18,207.1	10,366.6	68.4	70.6	-66.88	8,319.5	-1,451.0	532.7	393.1	139.61	3.816	
18,715.0	10,575.4	18,222.1	10,366.6	68.5	70.7	-66.88	8,334.5	-1,451.0	532.7	392.9	139.81	3.810	
18,800.0	10,575.8	18,307.1	10,367.0	69.1	71.3	-66.87	8,419.5	-1,451.2	532.7	391.7	140.99	3.778	
18,810.0	10,575.8	18,317.1	10,367.0	69.1	71.3	-66.87	8,429.5	-1,451.2	532.7	391.6	141.13	3.775	
18,900.0	10,576.2	18,407.1	10,367.4	69.8	71.9	-66.87	8,519.5	-1,451.4	532.7	390.3	142.38	3.741	
18,905.0	10,576.2	18,412.1	10,367.4	69.8	72.0	-66.87	8,524.5	-1,451.4	532.7	390.3	142.45	3.740	
19,000.0	10,576.6	18,507.1	10,367.8	70.5	72.6	-66.87	8,619.5	-1,451.5	532.7	388.9	143.77	3.705	
19,095.0	10,577.0	18,602.1	10,368.2	71.2	73.3	-66.87	8,714.5	-1,451.7	532.7	387.6	145.10	3.671	
19,100.0	10,577.1	18,607.1	10,368.2	71.2	73.3	-66.87	8,719.5	-1,451.7	532.7	387.6	145.17	3.670	
19,190.0	10,577.4	18,697.1	10,368.6	71.8	73.9	-66.87	8,809.5	-1,451.9	532.7	386.3	146.43	3.638	
19,200.0	10,577.5	18,707.1	10,368.6	71.9	74.0	-66.87	8,819.5	-1,451.9	532.7	386.2	146.57	3.635	
19,285.0	10,577.8	18,792.1	10,369.0	72.5	74.6	-66.87	8,904.5	-1,452.1	532.7	385.0	147.76	3.605	
19,300.0	10,577.9	18,807.1	10,369.1	72.6	74.7	-66.87	8,919.5	-1,452.1	532.7	384.8	147.97	3.600	
19,380.0	10,578.2	18,887.1	10,369.4	73.2	75.2	-66.87	8,999.5	-1,452.3	532.7	383.6	149.09	3.573	
19,400.0	10,578.3	18,907.1	10,369.5	73.4	75.4	-66.87	9,019.5	-1,452.3	532.7	383.4	149.37	3.566	
19,475.0	10,578.6	18,982.1	10,369.8	73.9	75.9	-66.87	9,094.5	-1,452.5	532.7	382.3	150.43	3.542	
19,500.0	10,578.7	19,007.1	10,369.9	74.1	76.0	-66.87	9,119.5	-1,452.5	532.7	382.0	150.78	3.533	
19,570.0	10,579.0	19,077.1	10,370.2	74.6	76.5	-66.87	9,189.5	-1,452.7	532.7	381.0	151.76	3.510	
19,600.0	10,579.2	19,107.1	10,370.3	74.8	76.7	-66.87	9,219.5	-1,452.7	532.7	380.6	152.19	3.501	
19,665.0	10,579.4	19,172.1	10,370.6	75.3	77.2	-66.87	9,284.5	-1,452.8	532.7	379.6	153.10	3.480	

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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				Reference		Offset		Highside		Rule Assigned:		Warning		Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
19,700.0	10,579.6	19,207.1	10,370.7	75.5	77.4	-66.87	9,319.5	-1,452.9	532.7	379.2	153.60	3.468			
19,760.0	10,579.8	19,267.1	10,371.0	75.9	77.8	-66.87	9,379.5	-1,453.0	532.8	378.3	154.45	3.449			
19,800.0	10,580.0	19,307.1	10,371.1	76.2	78.1	-66.87	9,419.5	-1,453.1	532.8	377.7	155.01	3.437			
19,855.0	10,580.2	19,362.1	10,371.4	76.6	78.5	-66.87	9,474.5	-1,453.2	532.8	377.0	155.79	3.420			
19,900.0	10,580.4	19,407.1	10,371.5	77.0	78.8	-66.87	9,519.5	-1,453.3	532.8	376.3	156.43	3.406			
19,950.0	10,580.6	19,457.1	10,371.8	77.3	79.2	-66.87	9,569.5	-1,453.4	532.8	375.6	157.13	3.390			
20,000.0	10,580.8	19,507.1	10,372.0	77.7	79.5	-66.87	9,619.5	-1,453.5	532.8	374.9	157.84	3.375			
20,045.0	10,581.0	19,552.1	10,372.1	78.0	79.8	-66.87	9,664.5	-1,453.6	532.8	374.3	158.48	3.362			
20,100.0	10,581.3	19,607.1	10,372.4	78.4	80.2	-66.87	9,719.5	-1,453.7	532.8	373.5	159.26	3.345			
20,140.0	10,581.4	19,647.1	10,372.5	78.7	80.5	-66.87	9,759.5	-1,453.8	532.8	372.9	159.83	3.333			
20,200.0	10,581.7	19,707.1	10,372.8	79.1	80.9	-66.87	9,819.5	-1,453.9	532.8	372.1	160.68	3.316			
20,235.0	10,581.8	19,742.1	10,372.9	79.4	81.2	-66.87	9,854.5	-1,454.0	532.8	371.6	161.18	3.305			
20,300.0	10,582.1	19,807.1	10,373.2	79.9	81.6	-66.87	9,919.5	-1,454.1	532.8	370.7	162.11	3.287			
20,330.0	10,582.2	19,837.1	10,373.3	80.1	81.8	-66.87	9,949.5	-1,454.1	532.8	370.2	162.54	3.278			
20,400.0	10,582.5	19,907.1	10,373.6	80.6	82.3	-66.87	10,019.5	-1,454.3	532.8	369.2	163.53	3.258			
20,425.0	10,582.6	19,932.1	10,373.7	80.8	82.5	-66.87	10,044.5	-1,454.3	532.8	368.9	163.89	3.251			
20,500.0	10,582.9	20,007.1	10,374.0	81.3	83.0	-66.87	10,119.5	-1,454.5	532.8	367.8	164.96	3.230			
20,520.0	10,583.0	20,027.1	10,374.1	81.5	83.1	-66.87	10,139.5	-1,454.5	532.8	367.5	165.25	3.224			
20,600.0	10,583.3	20,107.1	10,374.4	82.0	83.7	-66.87	10,219.5	-1,454.7	532.8	366.4	166.39	3.202			
20,615.0	10,583.4	20,122.1	10,374.5	82.1	83.8	-66.87	10,234.5	-1,454.7	532.8	366.2	166.60	3.198			
20,700.0	10,583.8	20,207.1	10,374.9	82.8	84.4	-66.87	10,319.5	-1,454.9	532.8	365.0	167.82	3.175			
20,710.0	10,583.8	20,217.1	10,374.9	82.8	84.5	-66.87	10,329.5	-1,454.9	532.8	364.8	167.96	3.172			
20,800.0	10,584.2	20,307.1	10,375.3	83.5	85.1	-66.87	10,419.5	-1,455.1	532.8	363.5	169.25	3.148			
20,805.0	10,584.2	20,312.1	10,375.3	83.5	85.2	-66.87	10,424.5	-1,455.1	532.8	363.5	169.33	3.147			
20,900.0	10,584.6	20,407.1	10,375.7	84.2	85.8	-66.87	10,519.5	-1,455.3	532.8	362.1	170.69	3.121			
20,995.0	10,585.0	20,502.1	10,376.1	84.9	86.5	-66.87	10,614.5	-1,455.4	532.8	360.7	172.05	3.097			
21,000.0	10,585.0	20,507.1	10,376.1	84.9	86.5	-66.87	10,619.5	-1,455.4	532.8	360.7	172.13	3.095			
21,090.0	10,585.4	20,597.1	10,376.5	85.6	87.2	-66.87	10,709.5	-1,455.6	532.8	359.4	173.42	3.072			
21,100.0	10,585.4	20,607.1	10,376.5	85.7	87.2	-66.87	10,719.5	-1,455.6	532.8	359.2	173.56	3.070			
21,185.0	10,585.8	20,692.1	10,376.9	86.3	87.8	-66.87	10,804.5	-1,455.8	532.8	358.0	174.79	3.048			
21,200.0	10,585.9	20,707.1	10,376.9	86.4	87.9	-66.87	10,819.5	-1,455.8	532.8	357.8	175.00	3.045			
21,280.0	10,586.2	20,787.1	10,377.3	87.0	88.5	-66.87	10,899.5	-1,456.0	532.8	356.7	176.16	3.025			
21,300.0	10,586.3	20,807.1	10,377.3	87.1	88.7	-66.87	10,919.5	-1,456.0	532.8	356.4	176.44	3.020			
21,375.0	10,586.6	20,882.1	10,377.7	87.7	89.2	-66.87	10,994.5	-1,456.2	532.8	355.3	177.53	3.001			
21,400.0	10,586.7	20,907.1	10,377.8	87.9	89.4	-66.87	11,019.5	-1,456.2	532.8	354.9	177.89	2.995			
21,470.0	10,587.0	20,977.1	10,378.1	88.4	89.9	-66.86	11,089.5	-1,456.4	532.8	353.9	178.90	2.978			
21,500.0	10,587.1	21,007.1	10,378.2	88.6	90.1	-66.86	11,119.5	-1,456.4	532.8	353.5	179.33	2.971			
21,565.0	10,587.4	21,072.1	10,378.4	89.1	90.5	-66.86	11,184.5	-1,456.6	532.8	352.5	180.27	2.956			
21,600.0	10,587.5	21,107.1	10,378.6	89.3	90.8	-66.86	11,219.5	-1,456.6	532.8	352.0	180.78	2.947			
21,660.0	10,587.8	21,167.1	10,378.8	89.8	91.2	-66.86	11,279.5	-1,456.7	532.8	351.2	181.64	2.933			
21,700.0	10,588.0	21,207.1	10,379.0	90.1	91.5	-66.86	11,319.5	-1,456.8	532.8	350.6	182.22	2.924			
21,755.0	10,588.2	21,262.1	10,379.2	90.5	91.9	-66.86	11,374.5	-1,456.9	532.8	349.8	183.02	2.911			
21,800.0	10,588.4	21,307.1	10,379.4	90.8	92.2	-66.86	11,419.5	-1,457.0	532.8	349.2	183.67	2.901			
21,850.0	10,588.6	21,357.1	10,379.6	91.2	92.6	-66.86	11,469.5	-1,457.1	532.8	348.4	184.40	2.890			
21,900.0	10,588.8	21,407.1	10,379.8	91.5	92.9	-66.86	11,519.5	-1,457.2	532.8	347.7	185.12	2.878			
21,945.0	10,589.0	21,452.1	10,380.0	91.9	93.3	-66.86	11,564.5	-1,457.3	532.8	347.1	185.77	2.868			
22,000.0	10,589.2	21,507.1	10,380.3	92.3	93.6	-66.86	11,619.5	-1,457.4	532.8	346.3	186.57	2.856			
22,040.0	10,589.4	21,547.1	10,380.4	92.6	93.9	-66.86	11,659.5	-1,457.5	532.8	345.7	187.15	2.847			
22,100.0	10,589.6	21,607.1	10,380.7	93.0	94.4	-66.86	11,719.5	-1,457.6	532.8	344.8	188.02	2.834			
22,135.0	10,589.8	21,642.1	10,380.8	93.3	94.6	-66.86	11,754.5	-1,457.7	532.8	344.3	188.53	2.826			
22,200.0	10,590.1	21,707.1	10,381.1	93.7	95.1	-66.86	11,819.5	-1,457.8	532.8	343.4	189.48	2.812			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
22,230.0	10,590.2	21,737.1	10,381.2	94.0	95.3	-66.86	11,849.5	-1,457.8	532.8	342.9	189.91	2.806		
22,300.0	10,590.5	21,807.1	10,381.5	94.5	95.8	-66.86	11,919.5	-1,458.0	532.8	341.9	190.93	2.791		
22,325.0	10,590.6	21,832.1	10,381.6	94.7	96.0	-66.86	11,944.5	-1,458.0	532.8	341.6	191.30	2.785		
22,400.0	10,590.9	21,907.1	10,381.9	95.2	96.5	-66.86	12,019.5	-1,458.2	532.9	340.5	192.39	2.770		
22,420.0	10,591.0	21,927.1	10,382.0	95.4	96.7	-66.86	12,039.5	-1,458.2	532.9	340.2	192.68	2.765		
22,500.0	10,591.3	22,007.1	10,382.3	96.0	97.2	-66.86	12,119.5	-1,458.4	532.9	339.0	193.84	2.749		
22,515.0	10,591.4	22,022.1	10,382.4	96.1	97.3	-66.86	12,134.5	-1,458.4	532.9	338.8	194.06	2.746		
22,533.2	10,591.5	22,040.3	10,382.5	96.2	97.5	-66.86	12,152.7	-1,458.4	532.9	338.5	194.33	2.742		
22,600.0	10,591.7	22,107.1	10,382.7	96.7	97.9	-66.86	12,219.5	-1,458.6	532.9	337.6	195.30	2.728		
22,610.0	10,591.8	22,117.1	10,382.8	96.8	98.0	-66.86	12,229.5	-1,458.6	532.9	337.4	195.44	2.726		
22,613.1	10,591.8	22,120.2	10,382.8	96.8	98.0	-66.86	12,232.6	-1,458.6	532.9	337.4	195.49	2.726		
22,663.2	10,592.0	22,170.0	10,383.0	97.2	98.4	-66.86	12,282.4	-1,458.7	532.9	336.6	196.22	2.716		

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-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
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)					
6,600.0	6,490.9	6,969.5	6,820.9	23.4	27.9	-89.64	33.8	-2,221.2	1,315.2	1,264.8	50.38	26.106	
6,650.0	6,540.9	7,018.0	6,867.9	23.4	28.2	-89.67	33.2	-2,209.5	1,303.1	1,252.4	50.64	25.732	
6,700.0	6,590.9	7,066.5	6,915.0	23.4	28.4	-89.69	32.6	-2,197.8	1,291.0	1,240.1	50.90	25.362	
6,745.0	6,635.9	7,110.2	6,957.4	23.4	28.6	-89.72	32.0	-2,187.2	1,280.1	1,229.0	51.14	25.033	
6,800.0	6,690.9	7,163.6	7,009.2	23.4	28.9	-89.74	31.4	-2,174.3	1,266.8	1,215.4	51.43	24.634	
6,840.0	6,730.9	7,202.4	7,046.8	23.5	29.1	-89.77	30.9	-2,164.9	1,257.2	1,205.5	51.64	24.347	
6,900.0	6,790.9	7,260.6	7,103.3	23.5	29.4	-89.80	30.1	-2,150.9	1,242.7	1,190.7	51.95	23.920	
6,935.0	6,825.9	7,294.6	7,136.3	23.5	29.5	-89.82	29.7	-2,142.7	1,234.2	1,182.1	52.13	23.673	
7,000.0	6,890.9	7,357.6	7,197.5	23.5	29.8	-89.86	28.9	-2,127.4	1,218.5	1,166.0	52.48	23.220	
7,030.0	6,920.9	7,386.7	7,225.7	23.5	30.0	-89.87	28.5	-2,120.4	1,211.2	1,158.6	52.63	23.013	
7,100.0	6,990.9	7,454.6	7,291.6	23.5	30.3	-89.91	27.6	-2,104.0	1,194.3	1,141.3	53.00	22.534	
7,125.0	7,015.9	7,478.9	7,315.1	23.6	30.4	-89.93	27.3	-2,098.1	1,188.3	1,135.2	53.13	22.364	
7,200.0	7,090.9	7,551.7	7,385.8	23.6	30.8	-89.97	26.4	-2,080.5	1,170.2	1,116.6	53.53	21.860	
7,220.0	7,110.9	7,571.1	7,404.6	23.6	30.9	-89.99	26.1	-2,075.9	1,165.3	1,111.7	53.63	21.727	
7,300.0	7,190.9	7,635.5	7,467.1	23.6	31.2	-90.03	25.3	-2,060.5	1,146.3	1,092.2	54.09	21.194	
7,315.0	7,205.9	7,645.9	7,477.3	23.6	31.2	-90.04	25.2	-2,058.1	1,142.8	1,088.7	54.17	21.096	
7,400.0	7,290.9	7,700.0	7,530.1	23.6	31.5	-90.07	24.6	-2,046.3	1,124.4	1,069.8	54.66	20.570	
7,410.0	7,300.9	7,700.0	7,530.1	23.6	31.5	-90.07	24.6	-2,046.3	1,122.5	1,067.7	54.72	20.512	
7,500.0	7,390.9	7,776.0	7,604.6	23.7	31.9	-90.11	23.8	-2,031.5	1,105.0	1,049.8	55.19	20.019	
7,505.0	7,395.9	7,779.6	7,608.1	23.7	31.9	-90.11	23.7	-2,030.8	1,104.1	1,048.8	55.22	19.994	
7,600.0	7,490.9	7,847.3	7,674.8	23.7	32.2	-90.15	23.1	-2,019.3	1,087.9	1,032.2	55.70	19.534	
7,695.0	7,585.9	7,915.6	7,742.4	23.7	32.5	-90.18	22.6	-2,009.4	1,074.1	1,017.9	56.14	19.132	
7,700.0	7,590.9	7,919.2	7,745.9	23.8	32.5	-90.18	22.6	-2,008.9	1,073.4	1,017.2	56.16	19.112	
7,790.0	7,680.9	7,984.3	7,810.6	23.8	32.8	-90.20	22.1	-2,000.9	1,062.4	1,005.9	56.54	18.789	
7,800.0	7,690.9	8,000.0	7,826.2	23.8	32.9	-90.21	22.1	-1,999.2	1,061.4	1,004.8	56.60	18.751	
7,885.0	7,775.9	8,053.4	7,879.3	23.8	33.1	-90.22	21.8	-1,994.1	1,053.0	996.1	56.91	18.505	
7,900.0	7,790.9	8,064.3	7,890.2	23.8	33.1	-90.23	21.7	-1,993.2	1,051.8	994.8	56.96	18.465	
7,980.0	7,870.9	8,122.7	7,948.5	23.9	33.3	-90.24	21.5	-1,988.9	1,046.0	988.7	57.23	18.277	
8,000.0	7,890.9	8,137.4	7,963.1	23.9	33.4	-90.24	21.5	-1,988.1	1,044.8	987.5	57.29	18.237	
8,075.0	7,965.9	8,200.0	8,025.6	23.9	33.6	-90.25	21.3	-1,985.1	1,041.2	983.7	57.54	18.097	
8,100.0	7,990.9	8,200.0	8,025.6	23.9	33.6	-90.25	21.3	-1,985.1	1,040.4	982.8	57.52	18.088	
8,170.0	8,060.9	8,262.0	8,087.6	23.9	33.7	-90.26	21.2	-1,983.6	1,038.7	981.0	57.63	18.022	
8,200.0	8,090.9	8,284.0	8,109.7	23.9	33.8	-90.26	21.2	-1,983.4	1,038.4	980.7	57.66	18.007	
8,235.2	8,126.1	8,312.6	8,138.2	23.9	33.8	-90.26	21.2	-1,983.3	1,038.3	980.6	57.69	17.996	
8,265.0	8,155.9	8,342.4	8,168.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.6	57.71	17.991	
8,300.0	8,190.9	8,377.4	8,203.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.5	57.73	17.984	
8,360.0	8,250.9	8,437.4	8,263.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.5	57.77	17.974	
8,400.0	8,290.9	8,477.4	8,303.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.5	57.79	17.966	
8,455.0	8,345.9	8,532.4	8,358.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.5	57.82	17.956	
8,500.0	8,390.9	8,577.4	8,403.0	24.0	33.8	-90.26	21.2	-1,983.3	1,038.3	980.4	57.85	17.948	
8,550.0	8,440.9	8,627.4	8,453.0	24.1	33.9	-90.26	21.2	-1,983.3	1,038.3	980.4	57.88	17.939	
8,600.0	8,490.9	8,677.4	8,503.0	24.1	33.9	-90.26	21.2	-1,983.3	1,038.3	980.4	57.91	17.930	
8,645.0	8,535.9	8,722.4	8,548.0	24.1	33.9	-90.26	21.2	-1,983.3	1,038.3	980.3	57.94	17.921	
8,700.0	8,590.9	8,777.4	8,603.0	24.1	33.9	-90.26	21.2	-1,983.3	1,038.3	980.3	57.97	17.911	
8,740.0	8,630.9	8,817.4	8,643.0	24.1	33.9	-90.26	21.2	-1,983.3	1,038.3	980.3	57.99	17.904	
8,800.0	8,690.9	8,877.4	8,703.0	24.2	33.9	-90.26	21.2	-1,983.3	1,038.3	980.3	58.03	17.893	
8,835.0	8,725.9	8,912.4	8,738.0	24.2	33.9	-90.26	21.2	-1,983.3	1,038.3	980.2	58.05	17.886	
8,900.0	8,790.9	8,977.4	8,803.0	24.2	33.9	-90.26	21.2	-1,983.3	1,038.3	980.2	58.09	17.874	
8,930.0	8,820.9	9,007.4	8,833.0	24.2	33.9	-90.26	21.2	-1,983.3	1,038.3	980.2	58.11	17.869	
9,000.0	8,890.9	9,077.4	8,903.0	24.2	34.0	-90.26	21.2	-1,983.3	1,038.3	980.1	58.15	17.855	
9,025.0	8,915.9	9,102.4	8,928.0	24.2	34.0	-90.26	21.2	-1,983.3	1,038.3	980.1	58.16	17.851	

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-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
9,100.0	8,990.9	9,177.4	9,003.0	24.3	34.0	-90.26	21.2	-1,983.3	1,038.3	980.1	58.21	17.837	
9,120.0	9,010.9	9,197.4	9,023.0	24.3	34.0	-90.26	21.2	-1,983.3	1,038.3	980.1	58.22	17.833	
9,200.0	9,090.9	9,277.4	9,103.0	24.3	34.0	-90.26	21.2	-1,983.3	1,038.3	980.0	58.27	17.818	
9,215.0	9,105.9	9,292.4	9,118.0	24.3	34.0	-90.26	21.2	-1,983.3	1,038.3	980.0	58.28	17.815	
9,300.0	9,190.9	9,377.4	9,203.0	24.3	34.0	-90.26	21.2	-1,983.3	1,038.3	979.9	58.33	17.799	
9,310.0	9,200.9	9,387.4	9,213.0	24.4	34.0	-90.26	21.2	-1,983.3	1,038.3	979.9	58.34	17.797	
9,400.0	9,290.9	9,477.4	9,303.0	24.4	34.0	-90.26	21.2	-1,983.3	1,038.3	979.9	58.40	17.780	
9,405.0	9,295.9	9,482.4	9,308.0	24.4	34.0	-90.26	21.2	-1,983.3	1,038.3	979.9	58.40	17.779	
9,500.0	9,390.9	9,577.4	9,403.0	24.4	34.1	-90.26	21.2	-1,983.3	1,038.3	979.8	58.46	17.761	
9,595.0	9,485.9	9,672.4	9,498.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.8	58.52	17.743	
9,600.0	9,490.9	9,677.4	9,503.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.8	58.52	17.742	
9,690.0	9,580.9	9,767.4	9,593.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.7	58.58	17.724	
9,700.0	9,590.9	9,777.4	9,603.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.7	58.59	17.722	
9,785.0	9,675.9	9,862.4	9,688.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.6	58.64	17.706	
9,800.0	9,690.9	9,877.4	9,703.0	24.5	34.1	-90.26	21.2	-1,983.3	1,038.3	979.6	58.65	17.703	
9,880.0	9,770.9	9,957.4	9,783.0	24.6	34.2	-90.26	21.2	-1,983.3	1,038.3	979.6	58.70	17.688	
9,900.0	9,790.9	9,977.4	9,803.0	24.6	34.2	-90.26	21.2	-1,983.3	1,038.3	979.6	58.71	17.684	
9,975.0	9,865.9	10,052.4	9,878.0	24.6	34.2	-90.26	21.2	-1,983.3	1,038.3	979.5	58.76	17.669	
10,000.0	9,890.9	10,077.4	9,903.0	24.6	34.2	-90.26	21.2	-1,983.3	1,038.3	979.5	58.78	17.664	
10,070.0	9,960.9	10,147.4	9,973.1	24.6	34.2	-90.25	21.3	-1,983.3	1,038.3	979.5	58.81	17.656	
10,079.1	9,970.0	10,156.6	9,982.2	24.6	34.2	-90.24	21.6	-1,983.3	1,038.3	979.5	58.81	17.655	
10,100.0	9,990.9	10,177.5	10,003.1	24.7	34.2	-90.08	22.8	-1,983.3	1,038.3	979.5	58.81	17.654	
10,114.9	10,005.8	10,192.5	10,018.0	24.7	34.2	-90.05	24.0	-1,983.3	1,038.3	979.5	58.82	17.652 CC	
10,150.0	10,040.7	10,227.5	10,052.7	24.7	34.2	-89.98	28.6	-1,983.3	1,038.3	979.5	58.83	17.650	
10,165.0	10,055.6	10,242.5	10,067.5	24.7	34.2	-89.95	31.2	-1,983.3	1,038.3	979.5	58.83	17.649	
10,200.0	10,090.0	10,277.3	10,101.5	24.7	34.2	-89.88	38.7	-1,983.4	1,038.3	979.4	58.84	17.646	
10,250.0	10,138.4	10,327.0	10,149.1	24.7	34.2	-89.78	52.9	-1,983.4	1,038.3	979.4	58.85	17.643	
10,260.0	10,147.9	10,336.9	10,158.4	24.7	34.2	-89.76	56.3	-1,983.4	1,038.3	979.4	58.85	17.643	
10,300.0	10,185.5	10,376.5	10,195.1	24.7	34.2	-89.68	71.2	-1,983.4	1,038.3	979.5	58.86	17.640	
10,350.0	10,230.9	10,425.9	10,239.2	24.7	34.2	-89.58	93.3	-1,983.5	1,038.3	979.5	58.87	17.637	
10,355.0	10,235.4	10,430.8	10,243.5	24.7	34.2	-89.57	95.7	-1,983.5	1,038.3	979.5	58.87	17.637	
10,400.0	10,274.4	10,475.1	10,281.2	24.7	34.2	-89.49	119.0	-1,983.5	1,038.4	979.5	58.88	17.634	
10,450.0	10,315.6	10,524.2	10,320.6	24.7	34.2	-89.40	148.1	-1,983.6	1,038.4	979.5	58.90	17.630	
10,500.0	10,354.1	10,573.1	10,357.4	24.7	34.2	-89.31	180.4	-1,983.7	1,038.4	979.5	58.92	17.625	
10,545.0	10,386.3	10,617.1	10,387.9	24.7	34.3	-89.24	212.0	-1,983.8	1,038.4	979.5	58.94	17.620	
10,550.0	10,389.7	10,622.0	10,391.2	24.7	34.3	-89.24	215.7	-1,983.8	1,038.4	979.5	58.94	17.619	
10,600.0	10,422.1	10,670.7	10,421.8	24.8	34.3	-89.16	253.6	-1,983.8	1,038.5	979.5	58.97	17.611	
10,640.0	10,445.5	10,709.6	10,443.8	24.8	34.3	-89.11	285.6	-1,983.9	1,038.5	979.5	59.00	17.603	
10,650.0	10,451.0	10,719.3	10,449.0	24.8	34.3	-89.09	293.9	-1,983.9	1,038.5	979.5	59.00	17.601	
10,700.0	10,476.3	10,767.9	10,472.7	24.8	34.3	-89.03	336.2	-1,984.0	1,038.5	979.5	59.05	17.588	
10,735.0	10,491.8	10,801.8	10,487.0	24.8	34.3	-89.00	366.9	-1,984.1	1,038.6	979.5	59.08	17.578	
10,750.0	10,497.8	10,816.3	10,492.6	24.8	34.3	-88.98	380.4	-1,984.1	1,038.6	979.5	59.10	17.573	
10,800.0	10,515.2	10,864.7	10,508.8	24.9	34.4	-88.93	426.0	-1,984.2	1,038.6	979.4	59.16	17.555	
10,830.0	10,523.7	10,893.7	10,516.6	24.9	34.4	-88.91	453.9	-1,984.3	1,038.6	979.4	59.20	17.543	
10,850.0	10,528.5	10,913.0	10,521.0	24.9	34.4	-88.90	472.7	-1,984.3	1,038.6	979.4	59.23	17.534	
10,900.0	10,537.5	10,961.3	10,529.2	25.0	34.4	-88.87	520.3	-1,984.5	1,038.6	979.3	59.32	17.510	
10,925.0	10,540.4	10,985.4	10,531.8	25.0	34.5	-88.85	544.2	-1,984.5	1,038.7	979.3	59.36	17.496	
10,950.0	10,542.3	11,009.6	10,533.4	25.0	34.5	-88.84	568.3	-1,984.6	1,038.7	979.3	59.41	17.483	
10,976.7	10,543.0	11,035.4	10,534.0	25.1	34.5	-88.84	594.2	-1,984.6	1,038.7	979.2	59.47	17.467	
11,000.0	10,543.1	11,058.7	10,534.1	25.1	34.5	-88.84	617.4	-1,984.7	1,038.7	979.2	59.52	17.451	
11,020.0	10,543.2	11,078.7	10,534.2	25.1	34.5	-88.84	637.4	-1,984.7	1,038.7	979.1	59.57	17.437	

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)		
11,100.0	10,543.5	11,158.7	10,534.5	25.3	34.6	-88.83	717.4	-1,984.9	1,038.7	978.9	59.78	17.375
11,115.0	10,543.6	11,173.7	10,534.5	25.3	34.7	-88.83	732.4	-1,984.9	1,038.7	978.9	59.83	17.362
11,200.0	10,543.9	11,258.7	10,534.9	25.5	34.8	-88.83	817.4	-1,985.1	1,038.8	978.7	60.09	17.287
11,210.0	10,544.0	11,268.7	10,534.9	25.5	34.8	-88.83	827.4	-1,985.1	1,038.8	978.6	60.12	17.278
11,300.0	10,544.4	11,358.7	10,535.3	25.7	34.9	-88.83	917.4	-1,985.4	1,038.8	978.4	60.43	17.190
11,305.0	10,544.4	11,363.7	10,535.3	25.7	34.9	-88.83	922.4	-1,985.4	1,038.8	978.3	60.45	17.184
11,400.0	10,544.8	11,458.7	10,535.6	25.9	35.1	-88.83	1,017.4	-1,985.6	1,038.8	978.0	60.81	17.083
11,495.0	10,545.2	11,553.7	10,536.0	26.1	35.3	-88.83	1,112.4	-1,985.8	1,038.9	977.7	61.20	16.973
11,500.0	10,545.2	11,558.7	10,536.0	26.1	35.3	-88.83	1,117.4	-1,985.8	1,038.9	977.6	61.23	16.968
11,590.0	10,545.6	11,648.7	10,536.4	26.4	35.4	-88.83	1,207.4	-1,986.0	1,038.9	977.3	61.63	16.857
11,600.0	10,545.6	11,658.7	10,536.4	26.4	35.5	-88.82	1,217.4	-1,986.0	1,038.9	977.2	61.68	16.844
11,685.0	10,546.0	11,743.7	10,536.7	26.6	35.6	-88.82	1,302.4	-1,986.2	1,038.9	976.8	62.09	16.733
11,700.0	10,546.0	11,758.7	10,536.8	26.7	35.7	-88.82	1,317.4	-1,986.3	1,038.9	976.8	62.16	16.713
11,780.0	10,546.4	11,838.7	10,537.1	26.9	35.9	-88.82	1,397.4	-1,986.4	1,039.0	976.4	62.58	16.603
11,800.0	10,546.5	11,858.7	10,537.2	27.0	35.9	-88.82	1,417.4	-1,986.5	1,039.0	976.3	62.68	16.575
11,875.0	10,546.8	11,933.7	10,537.5	27.2	36.1	-88.82	1,492.4	-1,986.7	1,039.0	975.9	63.10	16.467
11,900.0	10,546.9	11,958.7	10,537.6	27.3	36.1	-88.82	1,517.4	-1,986.7	1,039.0	975.8	63.23	16.431
11,970.0	10,547.2	12,028.7	10,537.8	27.6	36.3	-88.82	1,587.4	-1,986.9	1,039.0	975.4	63.64	16.326
12,000.0	10,547.3	12,058.7	10,537.9	27.7	36.4	-88.82	1,617.4	-1,986.9	1,039.0	975.2	63.82	16.281
12,065.0	10,547.6	12,123.7	10,538.2	27.9	36.6	-88.82	1,682.4	-1,987.1	1,039.1	974.8	64.22	16.180
12,100.0	10,547.7	12,158.7	10,538.3	28.0	36.7	-88.82	1,717.4	-1,987.2	1,039.1	974.6	64.43	16.126
12,160.0	10,548.0	12,218.7	10,538.6	28.2	36.8	-88.81	1,777.4	-1,987.3	1,039.1	974.3	64.82	16.030
12,200.0	10,548.1	12,258.7	10,538.7	28.4	37.0	-88.81	1,817.4	-1,987.4	1,039.1	974.0	65.08	15.966
12,255.0	10,548.4	12,313.7	10,538.9	28.6	37.1	-88.81	1,872.4	-1,987.5	1,039.1	973.7	65.45	15.877
12,300.0	10,548.5	12,358.7	10,539.1	28.8	37.3	-88.81	1,917.4	-1,987.6	1,039.1	973.4	65.76	15.803
12,350.0	10,548.8	12,408.7	10,539.3	29.0	37.4	-88.81	1,967.4	-1,987.7	1,039.2	973.1	66.10	15.720
12,400.0	10,549.0	12,458.7	10,539.5	29.2	37.6	-88.81	2,017.4	-1,987.8	1,039.2	972.7	66.46	15.636
12,445.0	10,549.2	12,503.7	10,539.7	29.4	37.7	-88.81	2,062.4	-1,987.9	1,039.2	972.4	66.78	15.560
12,500.0	10,549.4	12,558.7	10,539.9	29.6	37.9	-88.81	2,117.4	-1,988.1	1,039.2	972.0	67.19	15.467
12,540.0	10,549.6	12,598.7	10,540.0	29.8	38.0	-88.81	2,157.4	-1,988.2	1,039.2	971.7	67.49	15.398
12,600.0	10,549.8	12,658.7	10,540.3	30.0	38.2	-88.81	2,217.4	-1,988.3	1,039.2	971.3	67.95	15.295
12,635.0	10,550.0	12,693.7	10,540.4	30.2	38.3	-88.81	2,252.4	-1,988.4	1,039.3	971.0	68.22	15.234
12,700.0	10,550.2	12,758.7	10,540.6	30.5	38.6	-88.80	2,317.4	-1,988.5	1,039.3	970.5	68.73	15.121
12,730.0	10,550.4	12,788.7	10,540.8	30.6	38.7	-88.80	2,347.4	-1,988.6	1,039.3	970.3	68.97	15.069
12,800.0	10,550.6	12,858.7	10,541.0	30.9	38.9	-88.80	2,417.4	-1,988.8	1,039.3	969.8	69.54	14.946
12,825.0	10,550.7	12,883.7	10,541.1	31.1	39.0	-88.80	2,442.4	-1,988.8	1,039.3	969.6	69.74	14.902
12,900.0	10,551.1	12,958.7	10,541.4	31.4	39.3	-88.80	2,517.4	-1,989.0	1,039.3	969.0	70.37	14.770
12,920.0	10,551.1	12,978.7	10,541.5	31.5	39.4	-88.80	2,537.4	-1,989.0	1,039.4	968.8	70.54	14.735
13,000.0	10,551.5	13,058.7	10,541.8	31.9	39.7	-88.80	2,617.4	-1,989.2	1,039.4	968.2	71.22	14.594
13,015.0	10,551.5	13,073.7	10,541.9	32.0	39.7	-88.80	2,632.4	-1,989.2	1,039.4	968.0	71.35	14.567
13,100.0	10,551.9	13,158.7	10,542.2	32.4	40.1	-88.80	2,717.4	-1,989.4	1,039.4	967.3	72.10	14.417
13,110.0	10,551.9	13,168.7	10,542.2	32.4	40.1	-88.80	2,727.4	-1,989.5	1,039.4	967.2	72.19	14.399
13,200.0	10,552.3	13,258.7	10,542.6	32.9	40.5	-88.80	2,817.4	-1,989.7	1,039.5	966.5	72.99	14.240
13,205.0	10,552.3	13,263.7	10,542.6	32.9	40.5	-88.80	2,822.4	-1,989.7	1,039.5	966.4	73.04	14.232
13,300.0	10,552.7	13,358.7	10,543.0	33.4	40.9	-88.79	2,917.4	-1,989.9	1,039.5	965.6	73.91	14.064
13,395.0	10,553.1	13,453.7	10,543.3	33.9	41.3	-88.79	3,012.4	-1,990.1	1,039.5	964.7	74.80	13.897
13,400.0	10,553.2	13,458.7	10,543.3	33.9	41.3	-88.79	3,017.4	-1,990.1	1,039.5	964.7	74.85	13.888
13,490.0	10,553.5	13,548.7	10,543.7	34.4	41.7	-88.79	3,107.4	-1,990.3	1,039.6	963.8	75.71	13.731
13,500.0	10,553.6	13,558.7	10,543.7	34.5	41.8	-88.79	3,117.4	-1,990.3	1,039.6	963.7	75.80	13.714
13,585.0	10,553.9	13,643.7	10,544.0	34.9	42.1	-88.79	3,202.4	-1,990.5	1,039.6	963.0	76.63	13.566
13,600.0	10,554.0	13,658.7	10,544.1	35.0	42.2	-88.79	3,217.4	-1,990.6	1,039.6	962.8	76.78	13.540

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance		Rule Assigned:			
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside								Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,680.0	10,554.3	13,738.7	10,544.4	35.4	42.6	-88.79	3,297.4	-1,990.7	1,039.6	962.0	77.57	13.402		
13,700.0	10,554.4	13,758.7	10,544.5	35.5	42.6	-88.79	3,317.4	-1,990.8	1,039.6	961.9	77.77	13.368		
13,775.0	10,554.7	13,833.7	10,544.8	36.0	43.0	-88.78	3,392.4	-1,991.0	1,039.6	961.1	78.53	13.239		
13,800.0	10,554.8	13,858.7	10,544.9	36.1	43.1	-88.78	3,417.4	-1,991.0	1,039.7	960.9	78.78	13.197		
13,870.0	10,555.1	13,928.7	10,545.1	36.5	43.4	-88.78	3,487.4	-1,991.2	1,039.7	960.2	79.50	13.078		
13,900.0	10,555.3	13,958.7	10,545.3	36.7	43.6	-88.78	3,517.4	-1,991.2	1,039.7	959.9	79.80	13.028		
13,965.0	10,555.5	14,023.7	10,545.5	37.0	43.9	-88.78	3,582.4	-1,991.4	1,039.7	959.2	80.48	12.919		
14,000.0	10,555.7	14,058.7	10,545.6	37.2	44.0	-88.78	3,617.4	-1,991.5	1,039.7	958.9	80.85	12.861		
14,060.0	10,555.9	14,118.7	10,545.9	37.6	44.3	-88.78	3,677.4	-1,991.6	1,039.7	958.3	81.48	12.761		
14,100.0	10,556.1	14,158.7	10,546.0	37.8	44.5	-88.78	3,717.4	-1,991.7	1,039.8	957.9	81.90	12.695		
14,155.0	10,556.3	14,213.7	10,546.2	38.1	44.8	-88.78	3,772.4	-1,991.8	1,039.8	957.3	82.49	12.605		
14,200.0	10,556.5	14,258.7	10,546.4	38.4	45.0	-88.78	3,817.4	-1,991.9	1,039.8	956.8	82.97	12.532		
14,250.0	10,556.7	14,308.7	10,546.6	38.7	45.3	-88.78	3,867.4	-1,992.0	1,039.8	956.3	83.51	12.451		
14,300.0	10,556.9	14,358.7	10,546.8	39.0	45.5	-88.77	3,917.4	-1,992.2	1,039.8	955.8	84.06	12.371		
14,345.0	10,557.1	14,403.7	10,547.0	39.2	45.7	-88.77	3,962.4	-1,992.3	1,039.8	955.3	84.55	12.299		
14,400.0	10,557.4	14,458.7	10,547.2	39.6	46.0	-88.77	4,017.4	-1,992.4	1,039.9	954.7	85.15	12.212		
14,440.0	10,557.5	14,498.7	10,547.3	39.8	46.2	-88.77	4,057.4	-1,992.5	1,039.9	954.3	85.60	12.149		
14,500.0	10,557.8	14,558.7	10,547.6	40.2	46.5	-88.77	4,117.4	-1,992.6	1,039.9	953.6	86.26	12.055		
14,535.0	10,557.9	14,593.7	10,547.7	40.4	46.7	-88.77	4,152.4	-1,992.7	1,039.9	953.3	86.66	12.000		
14,600.0	10,558.2	14,658.7	10,548.0	40.8	47.1	-88.77	4,217.4	-1,992.8	1,039.9	952.5	87.39	11.900		
14,630.0	10,558.3	14,688.7	10,548.1	41.0	47.2	-88.77	4,247.4	-1,992.9	1,039.9	952.2	87.73	11.854		
14,700.0	10,558.6	14,758.7	10,548.3	41.4	47.6	-88.77	4,317.4	-1,993.1	1,040.0	951.4	88.52	11.748		
14,725.0	10,558.7	14,783.7	10,548.4	41.5	47.7	-88.77	4,342.4	-1,993.1	1,040.0	951.2	88.81	11.710		
14,800.0	10,559.0	14,858.7	10,548.7	42.0	48.1	-88.77	4,417.4	-1,993.3	1,040.0	950.3	89.67	11.598		
14,820.0	10,559.1	14,878.7	10,548.8	42.1	48.2	-88.77	4,437.4	-1,993.3	1,040.0	950.1	89.90	11.569		
14,900.0	10,559.4	14,958.7	10,549.1	42.6	48.7	-88.76	4,517.4	-1,993.5	1,040.0	949.2	90.83	11.451		
14,915.0	10,559.5	14,973.7	10,549.2	42.7	48.7	-88.76	4,532.4	-1,993.5	1,040.0	949.0	91.00	11.429		
15,000.0	10,559.9	15,058.7	10,549.5	43.2	49.2	-88.76	4,617.4	-1,993.7	1,040.1	948.1	91.99	11.306		
15,010.0	10,559.9	15,068.7	10,549.5	43.3	49.2	-88.76	4,627.4	-1,993.8	1,040.1	948.0	92.11	11.291		
15,100.0	10,560.3	15,158.7	10,549.9	43.9	49.7	-88.76	4,717.4	-1,994.0	1,040.1	946.9	93.17	11.163		
15,105.0	10,560.3	15,163.7	10,549.9	43.9	49.8	-88.76	4,722.4	-1,994.0	1,040.1	946.9	93.23	11.156		
15,200.0	10,560.7	15,258.7	10,550.3	44.5	50.3	-88.76	4,817.4	-1,994.2	1,040.1	945.8	94.36	11.023		
15,295.0	10,561.1	15,353.7	10,550.6	45.1	50.8	-88.76	4,912.4	-1,994.4	1,040.2	944.7	95.50	10.892		
15,300.0	10,561.1	15,358.7	10,550.6	45.1	50.9	-88.76	4,917.4	-1,994.4	1,040.2	944.6	95.56	10.885		
15,390.0	10,561.5	15,448.7	10,551.0	45.7	51.4	-88.75	5,007.4	-1,994.6	1,040.2	943.6	96.64	10.763		
15,400.0	10,561.5	15,458.7	10,551.0	45.8	51.4	-88.75	5,017.4	-1,994.6	1,040.2	943.4	96.76	10.750		
15,485.0	10,561.9	15,543.7	10,551.4	46.3	51.9	-88.75	5,102.4	-1,994.8	1,040.2	942.4	97.80	10.637		
15,500.0	10,562.0	15,558.7	10,551.4	46.4	52.0	-88.75	5,117.4	-1,994.9	1,040.2	942.3	97.98	10.617		
15,580.0	10,562.3	15,638.7	10,551.7	46.9	52.5	-88.75	5,197.4	-1,995.1	1,040.3	941.3	98.96	10.512		
15,600.0	10,562.4	15,658.7	10,551.8	47.1	52.6	-88.75	5,217.4	-1,995.1	1,040.3	941.1	99.20	10.486		
15,675.0	10,562.7	15,733.7	10,552.1	47.6	53.0	-88.75	5,292.4	-1,995.3	1,040.3	940.2	100.13	10.390		
15,700.0	10,562.8	15,758.7	10,552.2	47.7	53.1	-88.75	5,317.4	-1,995.3	1,040.3	939.9	100.44	10.358		
15,770.0	10,563.1	15,828.7	10,552.5	48.2	53.6	-88.75	5,387.4	-1,995.5	1,040.3	939.0	101.30	10.270		
15,800.0	10,563.2	15,858.7	10,552.6	48.4	53.7	-88.75	5,417.4	-1,995.6	1,040.3	938.7	101.68	10.232		
15,865.0	10,563.5	15,923.7	10,552.8	48.8	54.1	-88.75	5,482.4	-1,995.7	1,040.4	937.9	102.49	10.151		
15,900.0	10,563.6	15,958.7	10,553.0	49.0	54.3	-88.75	5,517.4	-1,995.8	1,040.4	937.5	102.92	10.108		
15,960.0	10,563.9	16,018.7	10,553.2	49.4	54.7	-88.74	5,577.4	-1,995.9	1,040.4	936.7	103.68	10.035		
16,000.0	10,564.1	16,058.7	10,553.3	49.7	54.9	-88.74	5,617.4	-1,996.0	1,040.4	936.2	104.18	9.987		
16,055.0	10,564.3	16,113.7	10,553.6	50.1	55.2	-88.74	5,672.4	-1,996.1	1,040.4	935.6	104.87	9.921		
16,100.0	10,564.5	16,158.7	10,553.7	50.4	55.5	-88.74	5,717.4	-1,996.2	1,040.4	935.0	105.44	9.868		
16,150.0	10,564.7	16,208.7	10,553.9	50.7	55.8	-88.74	5,767.4	-1,996.3	1,040.5	934.4	106.07	9.809		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-r.5 MWD+IFR1+MS				Reference		Offset		Rule Assigned:		Offset Well Error: 3.0 usft				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
16,200.0	10,564.9	16,258.7	10,554.1	51.0	56.1	-88.74	5,817.4	-1,996.5	1,040.5	933.8	106.71	9.751		
16,245.0	10,565.1	16,303.7	10,554.3	51.3	56.4	-88.74	5,862.4	-1,996.6	1,040.5	933.2	107.28	9.699		
16,300.0	10,565.3	16,358.7	10,554.5	51.7	56.7	-88.74	5,917.4	-1,996.7	1,040.5	932.5	107.98	9.636		
16,340.0	10,565.5	16,398.7	10,554.7	52.0	57.0	-88.74	5,957.4	-1,996.8	1,040.5	932.0	108.50	9.590		
16,400.0	10,565.7	16,458.7	10,554.9	52.4	57.3	-88.74	6,017.4	-1,996.9	1,040.6	931.3	109.27	9.523		
16,435.0	10,565.9	16,493.7	10,555.0	52.6	57.5	-88.74	6,052.4	-1,997.0	1,040.6	930.8	109.72	9.484		
16,500.0	10,566.2	16,558.7	10,555.3	53.0	57.9	-88.73	6,117.4	-1,997.1	1,040.6	930.0	110.55	9.412		
16,530.0	10,566.3	16,588.7	10,555.4	53.3	58.1	-88.73	6,147.4	-1,997.2	1,040.6	929.7	110.94	9.380		
16,600.0	10,566.6	16,658.7	10,555.7	53.7	58.5	-88.73	6,217.4	-1,997.4	1,040.6	928.8	111.85	9.304		
16,625.0	10,566.7	16,683.7	10,555.8	53.9	58.7	-88.73	6,242.4	-1,997.4	1,040.6	928.5	112.17	9.277		
16,700.0	10,567.0	16,758.7	10,556.0	54.4	59.2	-88.73	6,317.4	-1,997.6	1,040.7	927.5	113.15	9.197		
16,720.0	10,567.1	16,778.7	10,556.1	54.5	59.3	-88.73	6,337.4	-1,997.6	1,040.7	927.3	113.41	9.176		
16,800.0	10,567.4	16,858.7	10,556.4	55.1	59.8	-88.73	6,417.4	-1,997.8	1,040.7	926.2	114.45	9.093		
16,815.0	10,567.5	16,873.7	10,556.5	55.2	59.9	-88.73	6,432.4	-1,997.9	1,040.7	926.0	114.65	9.077		
16,900.0	10,567.8	16,958.7	10,556.8	55.8	60.4	-88.73	6,517.4	-1,998.0	1,040.7	925.0	115.76	8.990		
16,910.0	10,567.9	16,968.7	10,556.8	55.8	60.5	-88.73	6,527.4	-1,998.1	1,040.7	924.8	115.89	8.980		
17,000.0	10,568.3	17,058.7	10,557.2	56.5	61.0	-88.72	6,617.4	-1,998.3	1,040.8	923.7	117.08	8.889		
17,005.0	10,568.3	17,063.7	10,557.2	56.5	61.1	-88.72	6,622.4	-1,998.3	1,040.8	923.6	117.15	8.884		
17,100.0	10,568.7	17,158.7	10,557.6	57.1	61.7	-88.72	6,717.4	-1,998.5	1,040.8	922.4	118.40	8.790		
17,195.0	10,569.1	17,253.7	10,557.9	57.8	62.3	-88.72	6,812.4	-1,998.7	1,040.8	921.2	119.66	8.698		
17,200.0	10,569.1	17,258.7	10,558.0	57.8	62.3	-88.72	6,817.4	-1,998.7	1,040.8	921.1	119.73	8.693		
17,290.0	10,569.5	17,348.7	10,558.3	58.4	62.9	-88.72	6,907.4	-1,998.9	1,040.9	919.9	120.92	8.608		
17,300.0	10,569.5	17,358.7	10,558.3	58.5	62.9	-88.72	6,917.4	-1,999.0	1,040.9	919.8	121.06	8.598		
17,385.0	10,569.9	17,443.7	10,558.7	59.1	63.5	-88.72	7,002.4	-1,999.1	1,040.9	918.7	122.19	8.519		
17,400.0	10,569.9	17,458.7	10,558.7	59.2	63.6	-88.72	7,017.4	-1,999.2	1,040.9	918.5	122.39	8.505		
17,480.0	10,570.3	17,538.7	10,559.0	59.8	64.1	-88.72	7,097.4	-1,999.4	1,040.9	917.5	123.46	8.431		
17,500.0	10,570.4	17,558.7	10,559.1	59.9	64.2	-88.72	7,117.4	-1,999.4	1,040.9	917.2	123.73	8.413		
17,575.0	10,570.7	17,633.7	10,559.4	60.4	64.7	-88.71	7,192.4	-1,999.6	1,041.0	916.2	124.74	8.345		
17,600.0	10,570.8	17,658.7	10,559.5	60.6	64.9	-88.71	7,217.4	-1,999.6	1,041.0	915.9	125.07	8.323		
17,670.0	10,571.1	17,728.7	10,559.8	61.1	65.3	-88.71	7,287.4	-1,999.8	1,041.0	915.0	126.02	8.261		
17,700.0	10,571.2	17,758.7	10,559.9	61.3	65.5	-88.71	7,317.4	-1,999.9	1,041.0	914.6	126.42	8.234		
17,765.0	10,571.5	17,823.7	10,560.1	61.8	65.9	-88.71	7,382.4	-2,000.0	1,041.0	913.7	127.30	8.178		
17,800.0	10,571.6	17,858.7	10,560.3	62.0	66.2	-88.71	7,417.4	-2,000.1	1,041.0	913.3	127.77	8.148		
17,860.0	10,571.9	17,918.7	10,560.5	62.4	66.6	-88.71	7,477.4	-2,000.2	1,041.1	912.5	128.58	8.096		
17,900.0	10,572.0	17,958.7	10,560.7	62.7	66.8	-88.71	7,517.4	-2,000.3	1,041.1	911.9	129.13	8.062		
17,955.0	10,572.3	18,013.7	10,560.9	63.1	67.2	-88.71	7,572.4	-2,000.4	1,041.1	911.2	129.87	8.016		
18,000.0	10,572.4	18,058.7	10,561.0	63.4	67.5	-88.71	7,617.4	-2,000.5	1,041.1	910.6	130.49	7.979		
18,050.0	10,572.7	18,108.7	10,561.2	63.8	67.8	-88.71	7,667.4	-2,000.7	1,041.1	910.0	131.17	7.937		
18,100.0	10,572.9	18,158.7	10,561.4	64.1	68.1	-88.70	7,717.4	-2,000.8	1,041.1	909.3	131.85	7.896		
18,145.0	10,573.1	18,203.7	10,561.6	64.4	68.4	-88.70	7,762.4	-2,000.9	1,041.2	908.7	132.46	7.860		
18,200.0	10,573.3	18,258.7	10,561.8	64.8	68.8	-88.70	7,817.4	-2,001.0	1,041.2	908.0	133.22	7.816		
18,240.0	10,573.5	18,298.7	10,562.0	65.1	69.1	-88.70	7,857.4	-2,001.1	1,041.2	907.4	133.76	7.784		
18,300.0	10,573.7	18,358.7	10,562.2	65.5	69.5	-88.70	7,917.3	-2,001.2	1,041.2	906.6	134.59	7.736		
18,335.0	10,573.9	18,393.7	10,562.3	65.8	69.7	-88.70	7,952.3	-2,001.3	1,041.2	906.2	135.07	7.709		
18,400.0	10,574.1	18,458.7	10,562.6	66.2	70.1	-88.70	8,017.3	-2,001.4	1,041.2	905.3	135.96	7.659		
18,430.0	10,574.3	18,488.7	10,562.7	66.4	70.3	-88.70	8,047.3	-2,001.5	1,041.3	904.9	136.37	7.635		
18,500.0	10,574.5	18,558.7	10,563.0	66.9	70.8	-88.70	8,117.3	-2,001.7	1,041.3	903.9	137.33	7.582		
18,525.0	10,574.6	18,583.7	10,563.1	67.1	70.9	-88.70	8,142.3	-2,001.7	1,041.3	903.6	137.68	7.563		
18,600.0	10,575.0	18,658.7	10,563.4	67.6	71.4	-88.70	8,217.3	-2,001.9	1,041.3	902.6	138.71	7.507		
18,620.0	10,575.0	18,678.7	10,563.4	67.8	71.6	-88.69	8,237.3	-2,001.9	1,041.3	902.3	138.99	7.492		
18,700.0	10,575.4	18,758.7	10,563.7	68.4	72.1	-88.69	8,317.3	-2,002.1	1,041.3	901.3	140.10	7.433		

CC - Min centre to center 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft		
Offset				Semi Major Axis					Rule Assigned:						
Measured	Reference	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth		Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Ellipses	Separation	Factor		
(usft)		(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	(usft)	(usft)			
18,715.0		10,575.4	18,773.7	10,563.8	68.5	72.2	-88.69	8,332.3	-2,002.2	1,041.4	901.0	140.30	7.422		
18,800.0		10,575.8	18,858.7	10,564.1	69.1	72.8	-88.69	8,417.3	-2,002.4	1,041.4	899.9	141.48	7.361		
18,810.0		10,575.8	18,868.7	10,564.2	69.1	72.9	-88.69	8,427.3	-2,002.4	1,041.4	899.8	141.62	7.353		
18,900.0		10,576.2	18,958.7	10,564.5	69.8	73.5	-88.69	8,517.3	-2,002.6	1,041.4	898.5	142.87	7.289		
18,905.0		10,576.2	18,963.7	10,564.5	69.8	73.5	-88.69	8,522.3	-2,002.6	1,041.4	898.5	142.94	7.286		
19,000.0		10,576.6	19,058.7	10,564.9	70.5	74.1	-88.69	8,617.3	-2,002.8	1,041.4	897.2	144.26	7.219		
19,095.0		10,577.0	19,153.7	10,565.3	71.2	74.8	-88.69	8,712.3	-2,003.0	1,041.5	895.9	145.58	7.154		
19,100.0		10,577.1	19,158.7	10,565.3	71.2	74.8	-88.69	8,717.3	-2,003.0	1,041.5	895.8	145.65	7.150		
19,190.0		10,577.4	19,248.7	10,565.6	71.8	75.4	-88.68	8,807.3	-2,003.2	1,041.5	894.6	146.91	7.089		
19,200.0		10,577.5	19,258.7	10,565.7	71.9	75.5	-88.68	8,817.3	-2,003.3	1,041.5	894.5	147.05	7.083		
19,285.0		10,577.8	19,343.7	10,566.0	72.5	76.1	-88.68	8,902.3	-2,003.5	1,041.5	893.3	148.24	7.026		
19,300.0		10,577.9	19,358.7	10,566.0	72.6	76.2	-88.68	8,917.3	-2,003.5	1,041.6	893.1	148.45	7.016		
19,380.0		10,578.2	19,438.7	10,566.4	73.2	76.7	-88.68	8,997.3	-2,003.7	1,041.6	892.0	149.57	6.964		
19,400.0		10,578.3	19,458.7	10,566.4	73.4	76.9	-88.68	9,017.3	-2,003.7	1,041.6	891.7	149.85	6.951		
19,475.0		10,578.6	19,533.7	10,566.7	73.9	77.4	-88.68	9,092.3	-2,003.9	1,041.6	890.7	150.90	6.903		
19,500.0		10,578.7	19,558.7	10,566.8	74.1	77.5	-88.68	9,117.3	-2,003.9	1,041.6	890.4	151.25	6.887		
19,570.0		10,579.0	19,628.7	10,567.1	74.6	78.0	-88.68	9,187.3	-2,004.1	1,041.6	889.4	152.24	6.842		
19,600.0		10,579.2	19,658.7	10,567.2	74.8	78.2	-88.68	9,217.3	-2,004.2	1,041.7	889.0	152.66	6.823		
19,665.0		10,579.4	19,723.7	10,567.5	75.3	78.7	-88.68	9,282.3	-2,004.3	1,041.7	888.1	153.57	6.783		
19,700.0		10,579.6	19,758.7	10,567.6	75.5	78.9	-88.68	9,317.3	-2,004.4	1,041.7	887.6	154.07	6.761		
19,760.0		10,579.8	19,818.7	10,567.8	75.9	79.3	-88.67	9,377.3	-2,004.5	1,041.7	886.8	154.91	6.724		
19,800.0		10,580.0	19,858.7	10,568.0	76.2	79.6	-88.67	9,417.3	-2,004.6	1,041.7	886.2	155.48	6.700		
19,855.0		10,580.2	19,913.7	10,568.2	76.6	80.0	-88.67	9,472.3	-2,004.7	1,041.7	885.5	156.26	6.667		
19,900.0		10,580.4	19,958.7	10,568.4	77.0	80.3	-88.67	9,517.3	-2,004.8	1,041.8	884.9	156.89	6.640		
19,950.0		10,580.6	20,008.7	10,568.5	77.3	80.6	-88.67	9,567.3	-2,005.0	1,041.8	884.2	157.60	6.610		
20,000.0		10,580.8	20,058.7	10,568.7	77.7	81.0	-88.67	9,617.3	-2,005.1	1,041.8	883.5	158.31	6.581		
20,045.0		10,581.0	20,103.7	10,568.9	78.0	81.3	-88.67	9,662.3	-2,005.2	1,041.8	882.9	158.94	6.555		
20,100.0		10,581.3	20,158.7	10,569.1	78.4	81.7	-88.67	9,717.3	-2,005.3	1,041.8	882.1	159.72	6.523		
20,140.0		10,581.4	20,198.7	10,569.3	78.7	81.9	-88.67	9,757.3	-2,005.4	1,041.8	881.6	160.29	6.500		
20,200.0		10,581.7	20,258.7	10,569.5	79.1	82.3	-88.67	9,817.3	-2,005.5	1,041.9	880.7	161.14	6.466		
20,235.0		10,581.8	20,293.7	10,569.6	79.4	82.6	-88.67	9,852.3	-2,005.6	1,041.9	880.2	161.64	6.446		
20,300.0		10,582.1	20,358.7	10,569.9	79.9	83.0	-88.66	9,917.3	-2,005.8	1,041.9	879.3	162.56	6.409		
20,330.0		10,582.2	20,388.7	10,570.0	80.1	83.3	-88.66	9,947.3	-2,005.8	1,041.9	878.9	162.99	6.393		
20,400.0		10,582.5	20,458.7	10,570.3	80.6	83.7	-88.66	10,017.3	-2,006.0	1,041.9	877.9	163.99	6.354		
20,425.0		10,582.6	20,483.7	10,570.4	80.8	83.9	-88.66	10,042.3	-2,006.0	1,041.9	877.6	164.34	6.340		
20,500.0		10,582.9	20,558.7	10,570.7	81.3	84.4	-88.66	10,117.3	-2,006.2	1,042.0	876.6	165.41	6.299		
20,520.0		10,583.0	20,578.7	10,570.7	81.5	84.6	-88.66	10,137.3	-2,006.3	1,042.0	876.3	165.69	6.289		
20,600.0		10,583.3	20,658.7	10,571.1	82.0	85.1	-88.66	10,217.3	-2,006.4	1,042.0	875.2	166.84	6.246		
20,615.0		10,583.4	20,673.7	10,571.1	82.1	85.2	-88.66	10,232.3	-2,006.5	1,042.0	875.0	167.05	6.238		
20,700.0		10,583.8	20,758.7	10,571.4	82.8	85.8	-88.66	10,317.3	-2,006.7	1,042.0	873.8	168.26	6.193		
20,710.0		10,583.8	20,768.7	10,571.5	82.8	85.9	-88.66	10,327.3	-2,006.7	1,042.0	873.6	168.41	6.188		
20,800.0		10,584.2	20,858.7	10,571.8	83.5	86.5	-88.65	10,417.3	-2,006.9	1,042.1	872.4	169.69	6.141		
20,805.0		10,584.2	20,863.7	10,571.8	83.5	86.6	-88.65	10,422.3	-2,006.9	1,042.1	872.3	169.77	6.138		
20,900.0		10,584.6	20,958.7	10,572.2	84.2	87.2	-88.65	10,517.3	-2,007.1	1,042.1	871.0	171.13	6.090		
20,995.0		10,585.0	21,053.7	10,572.6	84.9	87.9	-88.65	10,612.3	-2,007.3	1,042.1	869.7	172.49	6.042		
21,000.0		10,585.0	21,058.7	10,572.6	84.9	87.9	-88.65	10,617.3	-2,007.3	1,042.1	869.6	172.56	6.039		
21,090.0		10,585.4	21,148.7	10,572.9	85.6	88.6	-88.65	10,707.3	-2,007.5	1,042.2	868.3	173.85	5.995		
21,100.0		10,585.4	21,158.7	10,573.0	85.7	88.6	-88.65	10,717.3	-2,007.6	1,042.2	868.2	173.99	5.990		
21,185.0		10,585.8	21,243.7	10,573.3	86.3	89.2	-88.65	10,802.3	-2,007.8	1,042.2	867.0	175.21	5.948		
21,200.0		10,585.9	21,258.7	10,573.4	86.4	89.3	-88.65	10,817.3	-2,007.8	1,042.2	866.8	175.43	5.941		
21,280.0		10,586.2	21,338.7	10,573.7	87.0	89.9	-88.65	10,897.3	-2,008.0	1,042.2	865.7	176.58	5.902		

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 #906H - 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, 10135-r.5 MWD+IFR1+MS						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 (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)	Separation (usft)		Factor	
21,300.0	10,586.3	21,358.7	10,573.7	87.1	90.0	-88.65	10,917.3	-2,008.0	1,042.2	865.4	176.87	5.893		
21,375.0	10,586.6	21,433.7	10,574.0	87.7	90.6	-88.64	10,992.3	-2,008.2	1,042.3	864.3	177.95	5.857		
21,400.0	10,586.7	21,458.7	10,574.1	87.9	90.7	-88.64	11,017.3	-2,008.2	1,042.3	864.0	178.31	5.845		
21,470.0	10,587.0	21,528.7	10,574.4	88.4	91.2	-88.64	11,087.3	-2,008.4	1,042.3	863.0	179.31	5.813		
21,500.0	10,587.1	21,558.7	10,574.5	88.6	91.4	-88.64	11,117.3	-2,008.5	1,042.3	862.6	179.75	5.799		
21,565.0	10,587.4	21,623.7	10,574.8	89.1	91.9	-88.64	11,182.3	-2,008.6	1,042.3	861.7	180.68	5.769		
21,600.0	10,587.5	21,658.7	10,574.9	89.3	92.2	-88.64	11,217.3	-2,008.7	1,042.3	861.2	181.19	5.753		
21,660.0	10,587.8	21,718.7	10,575.1	89.8	92.6	-88.64	11,277.3	-2,008.8	1,042.4	860.3	182.05	5.726		
21,700.0	10,588.0	21,758.7	10,575.3	90.1	92.9	-88.64	11,317.3	-2,008.9	1,042.4	859.8	182.63	5.708		
21,755.0	10,588.2	21,813.7	10,575.5	90.5	93.3	-88.64	11,372.3	-2,009.1	1,042.4	859.0	183.43	5.683		
21,800.0	10,588.4	21,858.7	10,575.7	90.8	93.6	-88.64	11,417.3	-2,009.2	1,042.4	858.3	184.08	5.663		
21,850.0	10,588.6	21,908.7	10,575.9	91.2	93.9	-88.64	11,467.3	-2,009.3	1,042.4	857.6	184.80	5.641		
21,900.0	10,588.8	21,958.7	10,576.1	91.5	94.3	-88.63	11,517.3	-2,009.4	1,042.5	856.9	185.52	5.619		
21,945.0	10,589.0	22,003.7	10,576.2	91.9	94.6	-88.63	11,562.3	-2,009.5	1,042.5	856.3	186.17	5.599		
22,000.0	10,589.2	22,058.7	10,576.4	92.3	95.0	-88.63	11,617.3	-2,009.6	1,042.5	855.5	186.97	5.576		
22,040.0	10,589.4	22,098.7	10,576.6	92.6	95.3	-88.63	11,657.3	-2,009.7	1,042.5	855.0	187.55	5.559		
22,100.0	10,589.6	22,158.7	10,576.8	93.0	95.7	-88.63	11,717.3	-2,009.8	1,042.5	854.1	188.42	5.533		
22,135.0	10,589.8	22,193.7	10,577.0	93.3	96.0	-88.63	11,752.3	-2,009.9	1,042.5	853.6	188.93	5.518		
22,200.0	10,590.1	22,258.7	10,577.2	93.7	96.4	-88.63	11,817.3	-2,010.1	1,042.6	852.7	189.87	5.491		
22,230.0	10,590.2	22,288.7	10,577.3	94.0	96.6	-88.63	11,847.3	-2,010.1	1,042.6	852.3	190.30	5.478		
22,300.0	10,590.5	22,358.7	10,577.6	94.5	97.1	-88.63	11,917.3	-2,010.3	1,042.6	851.3	191.32	5.449		
22,325.0	10,590.6	22,383.7	10,577.7	94.7	97.3	-88.63	11,942.3	-2,010.3	1,042.6	850.9	191.68	5.439		
22,400.0	10,590.9	22,458.7	10,578.0	95.2	97.8	-88.63	12,017.3	-2,010.5	1,042.6	849.9	192.77	5.409		
22,420.0	10,591.0	22,478.7	10,578.1	95.4	98.0	-88.62	12,037.3	-2,010.6	1,042.6	849.6	193.06	5.401		
22,500.0	10,591.3	22,558.7	10,578.4	96.0	98.6	-88.62	12,117.3	-2,010.7	1,042.7	848.4	194.22	5.368		
22,515.0	10,591.4	22,573.7	10,578.4	96.1	98.7	-88.62	12,132.3	-2,010.8	1,042.7	848.2	194.44	5.362		
22,533.2	10,591.5	22,591.9	10,578.5	96.2	98.8	-88.62	12,150.5	-2,010.8	1,042.7	848.0	194.71	5.355		
22,600.0	10,591.7	22,658.7	10,578.8	96.7	99.3	-88.62	12,217.3	-2,011.0	1,042.7	847.0	195.68	5.329		
22,610.0	10,591.8	22,668.7	10,578.8	96.8	99.3	-88.62	12,227.3	-2,011.0	1,042.7	846.9	195.82	5.325		
22,663.2	10,592.0	22,721.8	10,579.0	97.2	99.7	-88.62	12,280.5	-2,011.1	1,042.7	846.1	196.59	5.304 ES, SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-89.19		11.5	-815.1	816.2					
95.0	95.0	54.6	54.6	3.0	3.1	-89.19		11.5	-815.1	815.2	809.1	6.09	133.840		
100.0	100.0	59.6	59.6	3.0	3.1	-89.19		11.5	-815.1	815.2	809.0	6.11	133.487		
190.0	190.0	149.6	149.6	3.1	3.5	-89.19		11.5	-815.1	815.2	808.6	6.60	123.536		
200.0	200.0	159.6	159.6	3.2	3.5	-89.19		11.5	-815.1	815.2	808.5	6.67	122.134		
285.0	285.0	244.6	244.6	3.3	4.4	-89.19		11.5	-815.1	815.2	807.5	7.62	107.039		
300.0	300.0	259.6	259.6	3.3	4.7	-89.19		11.5	-815.1	815.2	807.2	7.98	102.118		
380.0	380.0	339.6	339.6	3.4	6.8	-89.16		12.0	-815.1	815.2	805.0	10.16	80.207		
400.0	400.0	359.7	359.6	3.4	7.4	-89.16		11.9	-815.1	815.2	804.4	10.75	75.844		
475.0	475.0	434.8	434.6	3.5	9.7	-89.19		11.5	-815.1	815.2	802.0	13.12	62.124		
500.0	500.0	459.8	459.6	3.5	10.6	-89.19		11.5	-815.1	815.2	801.0	14.10	57.797		
570.0	570.0	529.8	529.6	3.6	13.3	-89.10		12.8	-815.1	815.2	798.3	16.88	48.278		
600.0	600.0	560.0	559.7	3.6	14.5	-89.12		12.6	-815.1	815.2	797.1	18.09	45.053		
665.0	665.0	625.0	624.6	3.7	17.0	-89.19		11.5	-815.1	815.2	794.5	20.69	39.402		
700.0	700.0	660.0	659.6	3.8	18.2	-89.19		11.5	-815.1	815.2	793.2	21.93	37.163		
760.0	760.0	720.0	719.6	3.8	20.3	-89.19		11.5	-815.1	815.2	791.1	24.07	33.862		
800.0	800.0	760.2	759.7	3.9	21.7	-89.10		12.8	-815.1	815.2	789.7	25.51	31.959		
855.0	855.0	815.4	814.9	4.0	23.6	-89.15		12.0	-815.1	815.2	787.7	27.48	29.662		
900.0	900.0	860.2	859.6	4.0	25.1	-89.19		11.5	-815.1	815.2	786.1	29.03	28.076		
950.0	950.0	910.3	909.6	4.1	26.7	-89.16		12.0	-815.1	815.2	784.5	30.70	26.556		
1,000.0	1,000.0	960.3	959.6	4.1	28.4	-89.19		11.5	-815.1	815.2	782.8	32.36	25.186		
1,045.0	1,045.0	1,005.3	1,004.6	4.2	30.0	-89.19		11.5	-815.1	815.2	781.1	34.04	23.950		
1,100.0	1,100.0	1,060.4	1,059.6	4.3	32.0	-89.12		12.5	-815.1	815.2	779.1	36.08	22.594		
1,140.0	1,140.0	1,100.5	1,099.7	4.3	33.4	-89.14		12.3	-815.1	815.2	777.6	37.57	21.697		
1,200.0	1,200.0	1,160.5	1,159.6	4.4	35.7	-89.19		11.5	-815.1	815.2	775.3	39.84	20.462		
1,235.0	1,235.0	1,195.5	1,194.6	4.4	37.1	-89.19		11.5	-815.1	815.2	773.9	41.28	19.749		
1,300.0	1,300.0	1,260.8	1,259.8	4.5	39.7	-89.16		12.0	-815.1	815.2	771.2	43.96	18.545		
1,330.0	1,330.0	1,290.7	1,289.6	4.5	40.9	-89.19		11.5	-815.1	815.2	770.0	45.19	18.038		
1,400.0	1,400.0	1,360.7	1,359.6	4.6	44.0	-89.19		11.5	-815.1	815.2	766.8	48.35	16.860		
1,425.0	1,425.0	1,385.8	1,384.6	4.6	45.1	-89.20		11.4	-815.1	815.2	765.7	49.48	16.475		
1,426.6	1,426.6	1,387.4	1,386.2	4.6	45.2	-89.20		11.4	-815.1	815.2	765.6	49.55	16.451		
1,500.0	1,500.0	1,460.8	1,459.6	4.7	48.4	-89.20		11.4	-815.1	815.2	762.3	52.86	15.421		
1,520.0	1,520.0	1,481.2	1,479.8	4.7	49.3	-0.76		11.5	-815.1	815.1	761.3	53.76	15.162		
1,600.0	1,600.0	1,570.8	1,569.3	4.8	50.2	-0.62		13.6	-814.2	812.6	757.8	54.80	14.829		
1,615.0	1,615.0	1,585.9	1,584.4	4.8	50.2	-0.59		14.0	-814.0	811.9	757.1	54.84	14.804		
1,700.0	1,699.8	1,672.3	1,670.8	5.0	50.2	-0.46		15.8	-812.9	806.1	751.0	55.09	14.633		
1,710.0	1,709.8	1,682.5	1,680.9	5.0	50.2	-0.45		15.9	-812.7	805.3	750.2	55.12	14.609		
1,800.0	1,799.5	1,772.9	1,771.4	5.2	50.2	-0.38		17.0	-811.3	795.9	740.5	55.40	14.368		
1,805.0	1,804.4	1,777.9	1,776.4	5.2	50.2	-0.37		17.1	-811.3	795.3	739.9	55.41	14.353		
1,900.0	1,898.7	1,877.2	1,875.6	5.5	50.2	-0.30		18.1	-809.5	782.0	726.3	55.72	14.035		
1,995.0	1,992.5	1,977.3	1,975.7	5.8	50.2	-0.22		19.2	-806.8	764.7	708.7	56.03	13.647		
2,000.0	1,997.5	1,982.5	1,980.9	5.9	50.2	-0.21		19.3	-806.6	763.7	707.6	56.05	13.625		
2,090.0	2,085.8	2,066.5	2,064.8	6.2	50.2	-0.13		20.4	-804.1	744.1	687.7	56.39	13.196		
2,100.0	2,095.6	2,075.6	2,073.9	6.2	50.2	-0.12		20.4	-803.9	741.8	685.3	56.42	13.146		
2,185.0	2,178.5	2,162.0	2,160.3	6.5	50.3	-0.08		21.0	-801.5	720.6	663.9	56.74	12.700		
2,200.1	2,193.1	2,177.7	2,176.0	6.6	50.3	-0.07		21.1	-801.0	716.6	659.8	56.80	12.616		
2,280.0	2,270.7	2,256.3	2,254.6	6.8	50.3	0.00		21.8	-798.3	694.6	637.5	57.06	12.173		
2,300.0	2,290.1	2,275.9	2,274.1	6.9	50.3	0.01		22.0	-797.6	689.1	632.0	57.13	12.063		
2,375.0	2,362.9	2,345.0	2,343.2	7.1	50.3	0.06		22.5	-795.3	668.5	611.1	57.40	11.647		
2,400.0	2,387.1	2,368.0	2,366.2	7.2	50.3	0.08		22.6	-794.6	661.7	604.2	57.49	11.510		
2,470.0	2,455.0	2,428.7	2,426.8	7.5	50.3	0.12		23.0	-793.1	643.1	585.4	57.77	11.133		

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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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		Semi Major Axis		Offset Wellbore Centre		Distance		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	
2,500.0	2,484.1	2,454.5	2,452.7	7.6	50.3	0.13	23.1	-792.7	635.4	577.5	57.89	10.976		
2,565.0	2,547.2	2,513.0	2,511.2	7.8	50.4	0.16	23.4	-792.1	619.0	560.9	58.15	10.645		
2,600.0	2,581.2	2,545.1	2,543.2	7.9	50.4	0.17	23.4	-791.9	610.4	552.1	58.29	10.471		
2,660.0	2,639.4	2,602.1	2,600.2	8.2	50.4	0.17	23.4	-791.7	595.6	537.1	58.54	10.176		
2,700.0	2,678.2	2,639.6	2,637.8	8.3	50.4	0.18	23.4	-791.7	586.0	527.3	58.70	9.982		
2,755.0	2,731.6	2,693.0	2,691.2	8.5	50.4	0.18	23.4	-791.7	572.7	513.7	58.94	9.717		
2,800.0	2,775.2	2,736.7	2,734.8	8.7	50.4	0.18	23.4	-791.7	561.8	502.6	59.13	9.501		
2,850.0	2,823.7	2,785.2	2,783.3	8.9	50.4	0.19	23.4	-791.7	549.7	490.3	59.34	9.262		
2,900.0	2,872.3	2,833.7	2,831.8	9.1	50.5	0.19	23.4	-791.5	537.4	477.8	59.56	9.022		
2,945.0	2,915.9	2,877.2	2,875.3	9.3	50.5	0.20	23.4	-791.5	526.5	466.7	59.76	8.810		
3,000.0	2,969.3	2,930.3	2,928.5	9.5	50.5	0.20	23.4	-791.5	513.2	453.2	60.00	8.553		
3,040.0	3,008.1	2,969.0	2,967.1	9.7	50.5	0.20	23.4	-791.6	503.6	443.4	60.19	8.367		
3,100.0	3,066.3	3,027.0	3,025.2	9.9	50.5	0.21	23.4	-791.6	489.1	428.7	60.46	8.091		
3,135.0	3,100.3	3,061.7	3,059.9	10.1	50.6	0.21	23.4	-791.7	480.7	420.1	60.64	7.928		
3,200.0	3,163.3	3,124.8	3,122.9	10.3	50.7	0.22	23.4	-791.7	465.0	403.9	61.05	7.617		
3,230.0	3,192.5	3,153.9	3,152.1	10.5	50.8	0.22	23.4	-791.7	457.7	396.5	61.24	7.474		
3,300.0	3,260.4	3,221.8	3,220.0	10.8	50.9	0.25	23.5	-791.7	440.8	379.1	61.69	7.145		
3,325.0	3,284.6	3,246.1	3,244.2	10.9	51.0	0.25	23.5	-791.7	434.7	372.9	61.85	7.029		
3,400.0	3,357.4	3,318.9	3,317.0	11.2	51.2	0.25	23.4	-791.7	416.6	354.2	62.36	6.681		
3,420.0	3,376.8	3,338.3	3,336.4	11.3	51.2	0.25	23.4	-791.7	411.8	349.2	62.52	6.586		
3,500.0	3,454.4	3,415.9	3,414.0	11.6	51.5	0.26	23.4	-791.7	392.4	329.2	63.17	6.212		
3,515.0	3,469.0	3,430.4	3,428.6	11.7	51.6	0.31	23.7	-791.7	388.8	325.5	63.29	6.143		
3,600.0	3,551.5	3,513.0	3,511.1	12.1	51.9	0.30	23.6	-791.7	368.2	304.2	63.99	5.755		
3,610.0	3,561.2	3,522.7	3,520.8	12.1	52.0	0.30	23.5	-791.7	365.8	301.7	64.07	5.710		
3,700.0	3,648.5	3,610.0	3,608.1	12.5	52.4	0.30	23.4	-791.7	344.0	279.1	64.87	5.303		
3,705.0	3,653.3	3,614.8	3,612.9	12.5	52.4	0.30	23.4	-791.7	342.8	277.9	64.92	5.280		
3,800.0	3,745.5	3,707.0	3,705.1	13.0	52.9	0.32	23.4	-791.7	319.8	254.0	65.85	4.857		
3,895.0	3,837.7	3,799.2	3,797.4	13.4	53.4	0.36	23.5	-791.7	296.8	230.0	66.84	4.441		
3,900.0	3,842.5	3,804.1	3,802.2	13.4	53.5	0.36	23.4	-791.7	295.6	228.7	66.89	4.420		
3,990.0	3,929.9	3,891.4	3,889.5	13.8	54.1	0.42	23.6	-791.7	273.9	206.0	67.90	4.033		
4,000.0	3,939.6	3,901.1	3,899.2	13.9	54.1	0.42	23.6	-791.7	271.4	203.4	68.01	3.991		
4,085.0	4,022.1	3,983.5	3,981.7	14.3	54.7	0.41	23.4	-791.7	250.9	181.9	69.01	3.635		
4,100.0	4,036.6	3,998.1	3,996.2	14.3	54.9	0.42	23.4	-791.7	247.2	178.1	69.19	3.573		
4,180.0	4,114.2	4,075.7	4,073.8	14.7	55.5	0.45	23.4	-791.7	227.9	157.7	70.16	3.248		
4,200.0	4,133.6	4,095.1	4,093.2	14.8	55.6	0.46	23.4	-791.7	223.0	152.6	70.42	3.167		
4,275.0	4,206.4	4,167.9	4,166.0	15.1	56.3	0.59	23.7	-791.7	204.9	133.5	71.40	2.870		
4,300.0	4,230.7	4,192.2	4,190.3	15.2	56.5	0.60	23.7	-791.7	198.9	127.1	71.72	2.773		
4,370.0	4,298.6	4,260.1	4,258.2	15.6	57.1	0.57	23.4	-791.7	181.9	109.3	72.64	2.504		
4,400.0	4,327.7	4,289.2	4,287.3	15.7	57.3	0.59	23.4	-791.7	174.7	101.6	73.06	2.391		
4,465.0	4,390.8	4,352.3	4,350.4	16.0	58.0	0.76	23.7	-791.7	158.9	85.0	73.97	2.149		
4,500.0	4,424.7	4,386.3	4,384.3	16.2	58.3	0.79	23.7	-791.7	150.5	76.0	74.46	2.021		
4,560.0	4,482.9	4,444.5	4,442.6	16.5	58.8	0.76	23.4	-791.7	135.9	60.7	75.30	1.806 Advise and Monitor		
4,600.0	4,521.8	4,483.3	4,481.4	16.6	59.3	0.81	23.4	-791.7	126.3	50.4	75.89	1.664 Advise and Monitor		
4,655.0	4,575.1	4,536.7	4,534.7	16.9	59.8	0.91	23.4	-791.7	113.0	36.3	76.72	1.473 Advise and Monitor		
4,700.0	4,618.8	4,580.3	4,578.4	17.1	60.3	1.18	23.7	-791.7	102.1	24.7	77.39	1.319 Advise and Monitor		
4,750.0	4,667.3	4,628.9	4,626.9	17.3	60.8	1.21	23.5	-791.7	90.0	11.9	78.14	1.152 Advise and Monitor		
4,800.0	4,715.8	4,677.4	4,675.4	17.6	61.3	1.32	23.4	-791.7	77.9	-1.0	78.91	0.987 Advise and Monitor		
4,845.0	4,759.5	4,721.0	4,719.1	17.8	61.8	1.53	23.4	-791.7	67.0	-12.6	79.62	0.842 Advise and Monitor		
4,900.0	4,812.8	4,774.4	4,772.4	18.0	62.4	2.17	23.6	-791.7	53.7	-26.8	80.49	0.667 Advise and Monitor		
4,940.0	4,851.6	4,813.2	4,811.3	18.2	62.9	2.42	23.5	-791.7	44.0	-37.1	81.12	0.543 Advise and Monitor		
5,000.0	4,909.9	4,871.4	4,869.5	18.5	63.6	3.48	23.4	-791.7	29.5	-52.6	82.11	0.360 Advise and Monitor		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
5,035.0	4,943.8	4,905.4	4,903.4	18.7	64.0	5.60	23.7	-791.7	21.1	-61.6	82.67	0.255	Advise and Monitor	
5,100.0	5,006.9	4,968.5	4,966.5	19.0	64.8	19.60	23.5	-791.7	5.6	-77.6	83.16	0.067	Advise and Monitor	
5,121.9	5,028.1	4,989.7	4,987.7	19.1	65.1	89.99	23.4	-791.7	1.7	-74.2	75.99	0.023	Advise and Monitor, CC, SF	
5,130.0	5,036.0	4,997.6	4,995.6	19.1	65.2	137.68	23.4	-791.7	2.6	-78.5	81.13	0.032	Advise and Monitor, ES	
5,200.0	5,103.9	5,065.5	5,063.5	19.5	66.2	174.58	23.4	-791.7	19.0	-66.5	85.54	0.222	Advise and Monitor	
5,225.0	5,128.2	5,089.8	5,087.8	19.6	66.5	174.93	23.8	-791.7	25.0	-61.0	86.00	0.291	Advise and Monitor	
5,300.0	5,201.0	5,162.6	5,160.6	19.9	67.5	177.50	23.5	-791.7	43.1	-44.3	87.42	0.493	Advise and Monitor	
5,320.0	5,220.4	5,182.0	5,180.0	20.0	67.8	177.86	23.4	-791.7	48.0	-39.8	87.80	0.546	Advise and Monitor	
5,404.0	5,301.9	5,263.5	5,261.5	20.4	69.0	178.49	23.4	-791.7	68.3	-21.2	89.46	0.763	Advise and Monitor	
5,415.0	5,312.5	5,274.2	5,272.1	20.5	69.2	178.12	23.9	-791.7	70.9	-18.7	89.67	0.791	Advise and Monitor	
5,500.0	5,395.4	5,357.0	5,355.0	20.9	70.5	178.82	23.5	-791.7	89.9	-1.4	91.35	0.985	Advise and Monitor	
5,510.0	5,405.2	5,366.8	5,364.8	20.9	70.6	178.89	23.4	-791.7	92.0	0.5	91.55	1.005	Advise and Monitor	
5,600.0	5,493.5	5,455.2	5,453.1	21.4	72.0	179.07	23.4	-791.7	109.2	15.8	93.36	1.169	Advise and Monitor	
5,605.0	5,498.4	5,460.1	5,458.0	21.4	72.1	179.08	23.4	-791.7	110.0	16.6	93.46	1.177	Advise and Monitor	
5,700.0	5,592.3	5,553.9	5,551.9	21.8	73.5	179.06	23.7	-791.7	124.9	29.6	95.36	1.310	Advise and Monitor	
5,795.0	5,686.5	5,648.2	5,646.1	22.2	75.0	179.27	23.4	-791.7	136.7	39.5	97.25	1.406	Advise and Monitor	
5,800.0	5,691.5	5,653.2	5,651.1	22.3	75.1	179.27	23.4	-791.7	137.3	39.9	97.35	1.410	Advise and Monitor	
5,890.0	5,781.1	5,742.8	5,740.7	22.6	76.5	179.31	23.4	-791.7	145.4	46.3	99.13	1.467	Advise and Monitor	
5,900.0	5,791.1	5,752.8	5,750.7	22.7	76.7	179.32	23.4	-791.7	146.1	46.8	99.34	1.471	Advise and Monitor	
5,985.0	5,876.0	5,837.7	5,835.6	23.0	78.1	179.34	23.4	-791.7	150.9	49.8	101.12	1.492	Advise and Monitor	
6,000.0	5,890.9	5,852.7	5,850.5	23.0	78.4	179.15	23.9	-791.7	151.5	50.1	101.43	1.494	Advise and Monitor	
6,080.0	5,970.9	5,932.7	5,930.5	23.2	79.8	179.26	23.7	-791.7	153.3	50.3	102.95	1.489	Advise and Monitor	
6,104.1	5,995.0	5,956.7	5,954.6	23.2	80.2	90.89	23.5	-791.7	153.4	50.0	103.41	1.483	Advise and Monitor	
6,162.5	6,053.4	6,015.2	6,013.0	23.2	81.3	90.80	23.7	-791.7	153.4	48.9	104.49	1.468	Advise and Monitor	
6,175.0	6,065.9	6,027.7	6,025.5	23.2	81.5	90.81	23.7	-791.7	153.4	48.7	104.73	1.465	Advise and Monitor	
6,200.0	6,090.9	6,052.7	6,050.5	23.2	82.0	90.88	23.5	-791.7	153.4	48.2	105.19	1.458	Advise and Monitor	
6,270.0	6,160.9	6,122.7	6,120.5	23.3	83.3	90.94	23.4	-791.7	153.4	46.9	106.52	1.440	Advise and Monitor	
6,300.0	6,190.9	6,152.7	6,150.5	23.3	83.8	90.92	23.4	-791.7	153.4	46.3	107.09	1.432	Advise and Monitor	
6,365.0	6,255.9	6,218.9	6,216.7	23.3	84.5	90.96	23.3	-791.9	153.1	45.3	107.84	1.420	Advise and Monitor	
6,400.0	6,290.9	6,254.6	6,252.3	23.3	84.9	91.31	22.4	-792.3	152.8	44.6	108.23	1.412	Advise and Monitor	
6,460.0	6,350.9	6,314.9	6,312.6	23.3	85.4	91.02	23.2	-793.1	152.0	43.3	108.75	1.398	Advise and Monitor	
6,500.0	6,390.9	6,354.5	6,351.9	23.3	85.9	89.29	27.7	-793.5	151.5	42.5	109.06	1.390	Advise and Monitor	
6,521.5	6,412.4	6,374.9	6,372.0	23.3	86.0	87.88	31.5	-793.7	151.4	42.3	109.14	1.387	Advise and Monitor	
6,555.0	6,445.9	6,406.5	6,402.5	23.4	86.1	84.79	39.6	-793.9	151.8	42.7	109.08	1.392	Advise and Monitor	
6,600.0	6,490.9	6,448.0	6,441.4	23.4	86.1	79.43	54.0	-794.5	153.5	44.9	108.58	1.413	Advise and Monitor	
6,650.0	6,540.9	6,493.5	6,482.9	23.4	86.1	72.57	72.8	-795.6	157.6	50.2	107.45	1.467	Advise and Monitor	
6,700.0	6,590.9	6,531.7	6,516.3	23.4	86.1	66.22	91.2	-796.9	165.5	60.6	104.93	1.577	Advise and Monitor	
6,745.0	6,635.9	6,563.1	6,542.5	23.4	86.2	60.70	108.5	-797.8	177.0	75.5	101.49	1.744	Advise and Monitor	
6,800.0	6,690.9	6,603.9	6,574.5	23.4	86.2	53.43	133.6	-799.9	196.1	99.1	97.05	2.021		
6,840.0	6,730.9	6,629.9	6,594.0	23.5	86.2	48.89	150.6	-802.1	212.9	119.6	93.26	2.282		
6,900.0	6,790.9	6,660.4	6,615.6	23.5	86.2	43.76	172.0	-805.1	243.1	156.5	86.67	2.805		
6,935.0	6,825.9	6,675.0	6,625.4	23.5	86.2	41.46	182.7	-806.5	263.5	180.7	82.77	3.183		
7,000.0	6,890.9	6,707.0	6,645.9	23.5	86.2	36.85	207.1	-809.2	305.3	227.8	77.46	3.941		
7,030.0	6,920.9	6,714.6	6,650.5	23.5	86.2	35.85	213.1	-809.7	326.0	251.7	74.34	4.385		
7,100.0	6,990.9	6,738.0	6,664.1	23.5	86.2	32.95	232.1	-811.4	377.5	308.4	69.06	5.466		
7,125.0	7,015.9	6,738.0	6,664.1	23.6	86.2	32.95	232.1	-811.4	396.8	330.5	66.28	5.986		
7,200.0	7,090.9	6,770.0	6,680.8	23.6	86.3	29.39	259.3	-813.6	456.6	393.2	63.44	7.197		
7,220.0	7,110.9	6,770.0	6,680.8	23.6	86.3	29.39	259.3	-813.6	473.0	411.2	61.73	7.662		
7,300.0	7,190.9	6,787.1	6,688.9	23.6	86.3	27.65	274.4	-814.9	540.2	482.4	57.82	9.342		
7,315.0	7,205.9	6,790.2	6,690.2	23.6	86.3	27.35	277.1	-815.1	553.1	495.9	57.19	9.671		
7,400.0	7,290.9	6,801.0	6,695.0	23.6	86.3	26.31	286.8	-816.1	627.2	573.8	53.39	11.746		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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						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)	Separation (usft)	Factor		
7,410.0	7,300.9	6,801.0	6,695.0	23.6	86.3	26.31	286.8	-816.1	636.1	583.2	52.88	12.029		
7,500.0	7,390.9	6,822.5	6,703.6	23.7	86.3	24.34	306.4	-818.2	716.4	665.6	50.80	14.103		
7,505.0	7,395.9	6,832.0	6,707.1	23.7	86.3	23.51	315.1	-819.3	721.1	669.6	51.46	14.012		
7,600.0	7,490.9	6,832.0	6,707.1	23.7	86.3	23.51	315.1	-819.3	807.6	759.7	47.85	16.877		
7,695.0	7,585.9	6,844.3	6,711.2	23.7	86.3	22.47	326.6	-820.7	895.5	849.6	45.91	19.504		
7,700.0	7,590.9	6,844.7	6,711.4	23.8	86.3	22.43	327.0	-820.7	900.2	854.4	45.81	19.650		
7,790.0	7,680.9	6,863.0	6,716.7	23.8	86.3	20.97	344.3	-823.0	984.7	939.9	44.83	21.966		
7,800.0	7,690.9	6,863.0	6,716.7	23.8	86.3	20.97	344.3	-823.0	994.1	949.5	44.59	22.293		
7,885.0	7,775.9	6,863.0	6,716.7	23.8	86.3	20.97	344.3	-823.0	1,074.4	1,031.6	42.78	25.113		
7,900.0	7,790.9	6,863.0	6,716.7	23.8	86.3	20.97	344.3	-823.0	1,088.6	1,046.1	42.49	25.619		
7,980.0	7,870.9	6,863.0	6,716.7	23.9	86.3	20.97	344.3	-823.0	1,164.8	1,123.7	41.10	28.345		
8,000.0	7,890.9	6,863.0	6,716.7	23.9	86.3	20.97	344.3	-823.0	1,184.0	1,143.2	40.78	29.033		
8,075.0	7,965.9	6,863.0	6,716.7	23.9	86.3	20.97	344.3	-823.0	1,256.0	1,216.3	39.70	31.635		
8,100.0	7,990.9	6,863.0	6,716.7	23.9	86.3	20.97	344.3	-823.0	1,280.1	1,240.7	39.38	32.509		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 3067.4ft @ 3092.4usft

Offset Depths are relative to Offset Datum

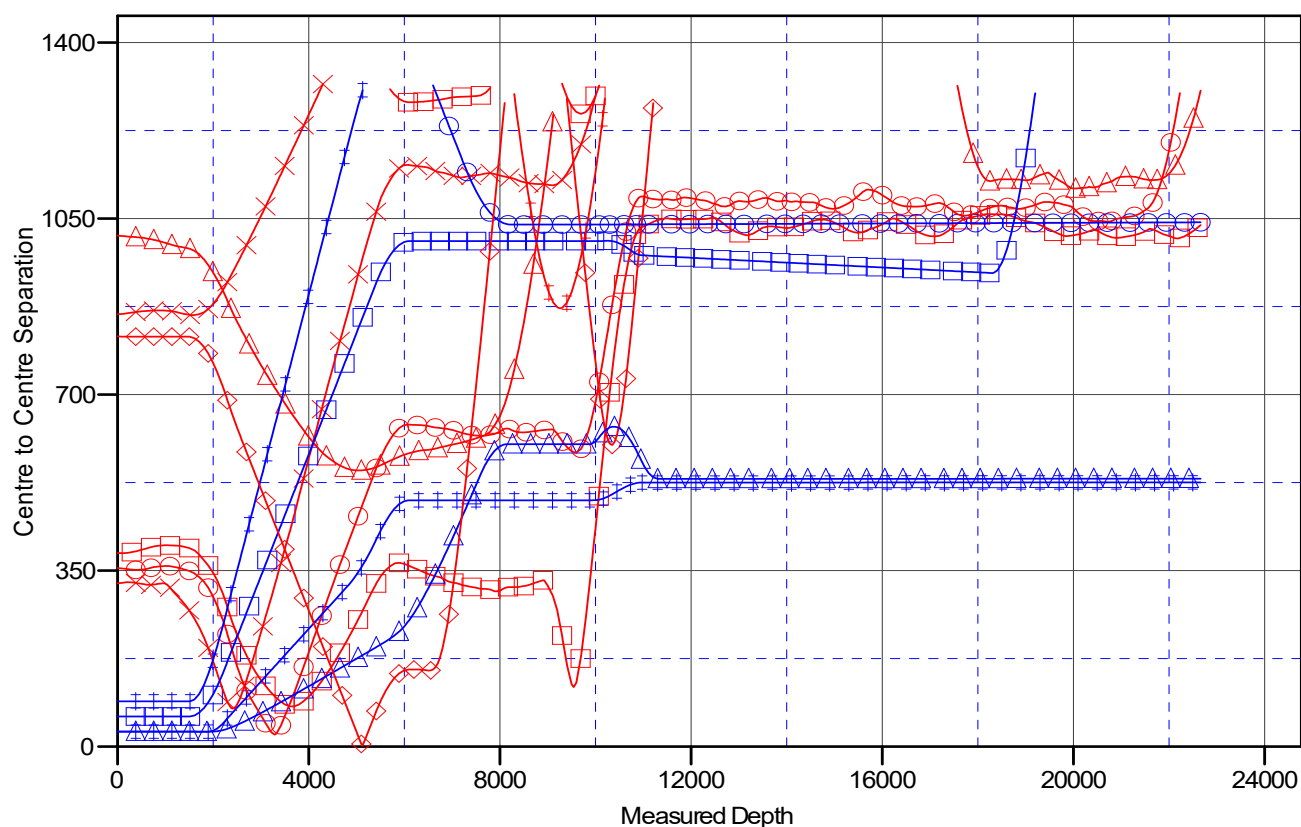
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #904H

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

Grid Convergence at Surface is: 0.14°

Ladder Plot



LEGEND

WETHERBEE #401H, OWB, AWP V0	POTATO BABY STATE COM#701H, OWB, AWP V0	POTATO BABY STATE COM#903H, OWB, PWP0.1 V0
WETHERBEE C ALLOCATION #407H, OWB, AWP V0	POTATO BABY STATE COM#702H, OWB, AWP V0	POTATO BABY STATE COM#905H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #408H, OWB, AWP V0	POTATO BABY STATE COM#703H, OWB, AWP V0	POTATO BABY STATE COM#906H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #408H, OWB, AWP V0	POTATO BABY STATE COM#704H, OWB, AWP V0	SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
WETHERBEE UNIT #423H, OWB, AWP V0	POTATO BABY STATE COM#901H, OWB, PWP0.1 V0	
DIAMONDBACK 22 STATE COM #3H, OWB, AWP V0	POTATO BABY STATE COM#902H, 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 #904H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #904H	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 3067.4ft @ 3092.4usft

Offset Depths are relative to Offset Datum

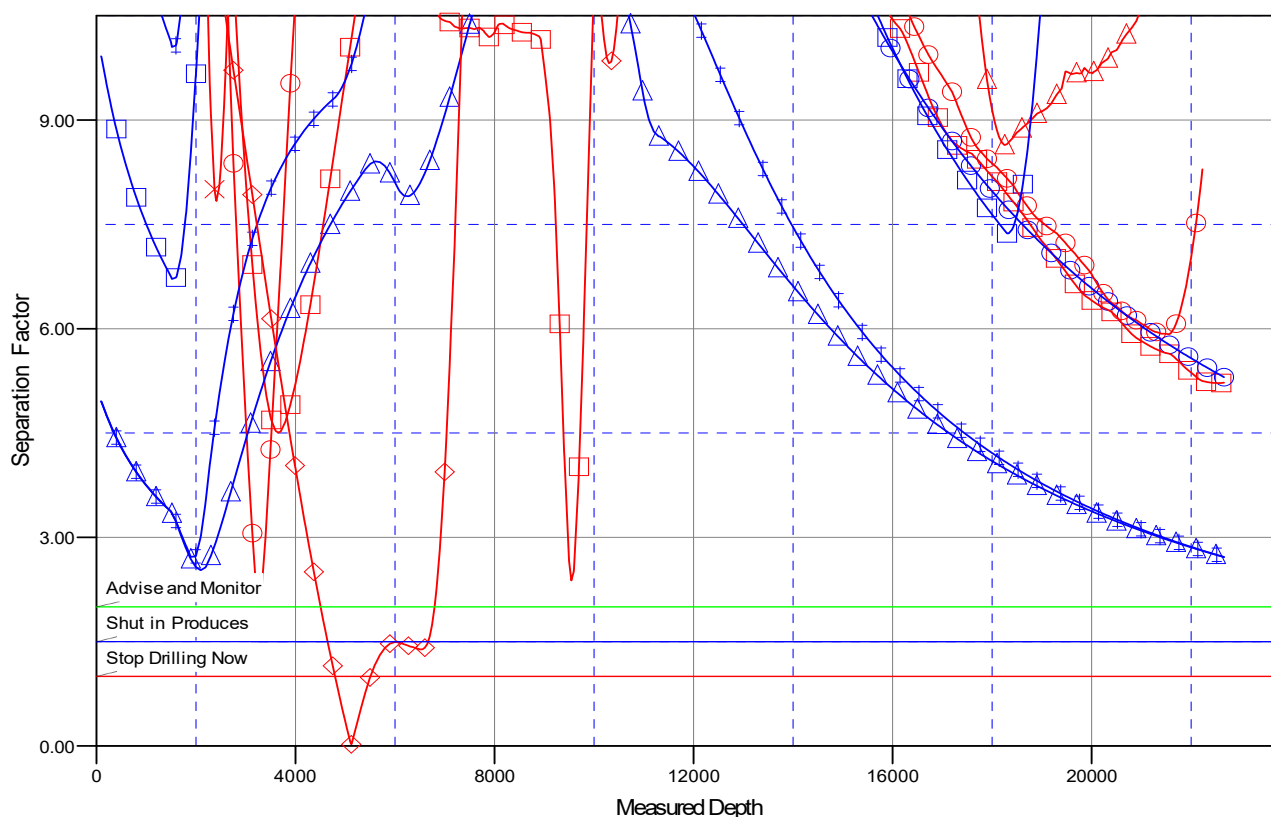
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #904H

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

Grid Convergence at Surface is: 0.14°

Separation Factor Plot



LEGEND

WETHERBEE #401H, OWB, AWP V0	POTATO BABY STATE COM#701H, OWB, AWP V0	POTATO BABY STATE COM#903H, OWB, PWP0.1 V0
WETHERBEE C ALLOCATION #407H, OWB, AWP V0	POTATO BABY STATE COM#702H, OWB, AWP V0	POTATO BABY STATE COM#905H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #406H, OWB, AWP V0	POTATO BABY STATE COM#703H, OWB, AWP V0	POTATO BABY STATE COM#906H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #408H, OWB, AWP V0	POTATO BABY STATE COM#704H, OWB, AWP V0	SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
WETHERBEE UNIT #423H, OWB, AWP V0	POTATO BABY STATE COM#901H, OWB, PWP0.1 V0	
DIAMONDBACK 22 STATE COM #3H, OWB, AWP V0	POTATO BABY STATE COM#902H, OWB, PWP0.1 V0	

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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

POTATO BABY STATE PROJECT (ATLAS 2628)

POTATO BABY STATE COM #904H

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 #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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 #904H			
Well Position	+N/-S	267.6 usft	Northing:	364,084.41 usft
	+E/-W	4,445.5 usft	Easting:	581,916.90 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Ground Level:	3,067.4 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	8/1/2023	6.60	59.53	47,319.17105713

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	355.49	

Plan Survey Tool Program	Date	8/19/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0.1 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocomp		
2	1,500.0	10,079.1 PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		
3	10,079.1	22,663.2 PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.1	14.00	271.57	2,193.1	2.3	-85.1	2.00	2.00	0.00	271.57	
5,404.0	14.00	271.57	5,301.9	23.5	-860.0	0.00	0.00	0.00	0.00	
6,104.1	0.00	0.00	5,995.0	25.9	-945.0	2.00	-2.00	0.00	180.00	
10,079.1	0.00	0.00	9,970.0	25.9	-945.0	0.00	0.00	0.00	0.00	
10,976.7	89.76	359.89	10,543.0	596.4	-946.2	10.00	10.00	-0.01	359.89	
22,533.2	89.76	359.89	10,591.5	12,152.8	-968.4	0.00	0.00	0.00	0.00	LTP (POTATO BABY
22,663.2	89.76	359.89	10,592.0	12,282.7	-968.7	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 #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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
Start Build 2.00									
1,600.0	2.00	271.57	1,600.0	0.0	-1.7	0.2	2.00	2.00	0.00
1,700.0	4.00	271.57	1,699.8	0.2	-7.0	0.7	2.00	2.00	0.00
1,800.0	6.00	271.57	1,799.5	0.4	-15.7	1.7	2.00	2.00	0.00
1,900.0	8.00	271.57	1,898.7	0.8	-27.9	3.0	2.00	2.00	0.00
2,000.0	10.00	271.57	1,997.5	1.2	-43.5	4.6	2.00	2.00	0.00
2,100.0	12.00	271.57	2,095.6	1.7	-62.6	6.6	2.00	2.00	0.00
2,200.1	14.00	271.57	2,193.1	2.3	-85.1	9.0	2.00	2.00	0.00
Start 3203.9 hold at 2200.1 MD									
2,300.0	14.00	271.57	2,290.1	3.0	-109.3	11.6	0.00	0.00	0.00
2,400.0	14.00	271.57	2,387.1	3.7	-133.4	14.1	0.00	0.00	0.00
2,500.0	14.00	271.57	2,484.1	4.3	-157.6	16.7	0.00	0.00	0.00
2,600.0	14.00	271.57	2,581.2	5.0	-181.8	19.3	0.00	0.00	0.00
2,700.0	14.00	271.57	2,678.2	5.6	-206.0	21.8	0.00	0.00	0.00
2,800.0	14.00	271.57	2,775.2	6.3	-230.2	24.4	0.00	0.00	0.00
2,900.0	14.00	271.57	2,872.3	7.0	-254.4	26.9	0.00	0.00	0.00
3,000.0	14.00	271.57	2,969.3	7.6	-278.5	29.5	0.00	0.00	0.00
3,100.0	14.00	271.57	3,066.3	8.3	-302.7	32.1	0.00	0.00	0.00
3,200.0	14.00	271.57	3,163.3	8.9	-326.9	34.6	0.00	0.00	0.00
3,300.0	14.00	271.57	3,260.4	9.6	-351.1	37.2	0.00	0.00	0.00
3,400.0	14.00	271.57	3,357.4	10.3	-375.3	39.7	0.00	0.00	0.00
3,500.0	14.00	271.57	3,454.4	10.9	-399.5	42.3	0.00	0.00	0.00
3,600.0	14.00	271.57	3,551.5	11.6	-423.7	44.9	0.00	0.00	0.00
3,700.0	14.00	271.57	3,648.5	12.3	-447.8	47.4	0.00	0.00	0.00
3,800.0	14.00	271.57	3,745.5	12.9	-472.0	50.0	0.00	0.00	0.00
3,900.0	14.00	271.57	3,842.5	13.6	-496.2	52.5	0.00	0.00	0.00
4,000.0	14.00	271.57	3,939.6	14.2	-520.4	55.1	0.00	0.00	0.00
4,100.0	14.00	271.57	4,036.6	14.9	-544.6	57.7	0.00	0.00	0.00
4,200.0	14.00	271.57	4,133.6	15.6	-568.8	60.2	0.00	0.00	0.00
4,300.0	14.00	271.57	4,230.7	16.2	-593.0	62.8	0.00	0.00	0.00
4,400.0	14.00	271.57	4,327.7	16.9	-617.1	65.3	0.00	0.00	0.00
4,500.0	14.00	271.57	4,424.7	17.6	-641.3	67.9	0.00	0.00	0.00
4,600.0	14.00	271.57	4,521.8	18.2	-665.5	70.5	0.00	0.00	0.00
4,700.0	14.00	271.57	4,618.8	18.9	-689.7	73.0	0.00	0.00	0.00
4,800.0	14.00	271.57	4,715.8	19.5	-713.9	75.6	0.00	0.00	0.00
4,900.0	14.00	271.57	4,812.8	20.2	-738.1	78.1	0.00	0.00	0.00
5,000.0	14.00	271.57	4,909.9	20.9	-762.3	80.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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)	
5,100.0	14.00	271.57	5,006.9	21.5	-786.4	83.3	0.00	0.00	0.00	
5,200.0	14.00	271.57	5,103.9	22.2	-810.6	85.8	0.00	0.00	0.00	
5,300.0	14.00	271.57	5,201.0	22.9	-834.8	88.4	0.00	0.00	0.00	
5,404.0	14.00	271.57	5,301.9	23.5	-860.0	91.1	0.00	0.00	0.00	
Start Drop -2.00										
5,500.0	12.08	271.57	5,395.4	24.1	-881.6	93.3	2.00	-2.00	0.00	
5,600.0	10.08	271.57	5,493.5	24.7	-900.8	95.4	2.00	-2.00	0.00	
5,700.0	8.08	271.57	5,592.3	25.1	-916.6	97.1	2.00	-2.00	0.00	
5,800.0	6.08	271.57	5,691.5	25.4	-928.9	98.4	2.00	-2.00	0.00	
5,900.0	4.08	271.57	5,791.1	25.7	-937.8	99.3	2.00	-2.00	0.00	
6,000.0	2.08	271.57	5,890.9	25.8	-943.2	99.9	2.00	-2.00	0.00	
6,104.1	0.00	0.00	5,995.0	25.9	-945.0	100.1	2.00	-2.00	0.00	
Start 3975.0 hold at 6104.1 MD										
6,200.0	0.00	0.00	6,090.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,190.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,290.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,390.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,490.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,590.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,690.9	25.9	-945.0	100.1	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,790.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,890.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,990.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,090.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,190.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,290.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,390.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,490.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,590.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,690.9	25.9	-945.0	100.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,790.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,890.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,990.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,090.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,190.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,290.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,390.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,490.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,590.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,690.9	25.9	-945.0	100.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,790.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,890.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,990.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,090.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,190.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,290.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,390.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,490.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,590.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,690.9	25.9	-945.0	100.1	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,790.9	25.9	-945.0	100.1	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,890.9	25.9	-945.0	100.1	0.00	0.00	0.00	
10,079.1	0.00	0.00	9,970.0	25.9	-945.0	100.1	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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)
Start DLS 10.00 TFO 359.89									
10,100.0	2.09	359.89	9,990.9	26.3	-945.1	100.4	10.00	10.00	0.00
10,150.0	7.09	359.89	10,040.7	30.2	-945.1	104.4	10.00	10.00	0.00
10,200.0	12.09	359.89	10,090.0	38.6	-945.1	112.7	10.00	10.00	0.00
10,250.0	17.09	359.89	10,138.4	51.2	-945.1	125.3	10.00	10.00	0.00
10,300.0	22.09	359.89	10,185.5	67.9	-945.1	142.0	10.00	10.00	0.00
10,350.0	27.09	359.89	10,230.9	88.7	-945.2	162.7	10.00	10.00	0.00
10,400.0	32.09	359.89	10,274.4	113.4	-945.2	187.3	10.00	10.00	0.00
10,450.0	37.09	359.89	10,315.6	141.8	-945.3	215.6	10.00	10.00	0.00
10,500.0	42.09	359.89	10,354.1	173.6	-945.3	247.4	10.00	10.00	0.00
10,550.0	47.09	359.89	10,389.7	208.7	-945.4	282.4	10.00	10.00	0.00
10,600.0	52.09	359.89	10,422.1	246.8	-945.5	320.3	10.00	10.00	0.00
10,650.0	57.09	359.89	10,451.0	287.5	-945.6	360.9	10.00	10.00	0.00
10,700.0	62.09	359.89	10,476.3	330.6	-945.6	403.9	10.00	10.00	0.00
10,750.0	67.09	359.89	10,497.8	375.8	-945.7	448.9	10.00	10.00	0.00
10,800.0	72.09	359.89	10,515.2	422.6	-945.8	495.6	10.00	10.00	0.00
10,850.0	77.09	359.89	10,528.5	470.8	-945.9	543.7	10.00	10.00	0.00
10,900.0	82.09	359.89	10,537.5	519.9	-946.0	592.7	10.00	10.00	0.00
10,950.0	87.09	359.89	10,542.3	569.7	-946.1	642.3	10.00	10.00	0.00
10,976.7	89.76	359.89	10,543.0	596.4	-946.2	668.9	10.00	10.00	0.00
Start 11556.5 hold at 10976.7 MD									
11,000.0	89.76	359.89	10,543.1	619.7	-946.2	692.1	0.00	0.00	0.00
11,100.0	89.76	359.89	10,543.5	719.7	-946.4	791.8	0.00	0.00	0.00
11,200.0	89.76	359.89	10,543.9	819.7	-946.6	891.6	0.00	0.00	0.00
11,300.0	89.76	359.89	10,544.4	919.7	-946.8	991.3	0.00	0.00	0.00
11,400.0	89.76	359.89	10,544.8	1,019.7	-947.0	1,091.0	0.00	0.00	0.00
11,500.0	89.76	359.89	10,545.2	1,119.7	-947.2	1,190.7	0.00	0.00	0.00
11,600.0	89.76	359.89	10,545.6	1,219.7	-947.4	1,290.4	0.00	0.00	0.00
11,700.0	89.76	359.89	10,546.0	1,319.7	-947.5	1,390.1	0.00	0.00	0.00
11,800.0	89.76	359.89	10,546.5	1,419.7	-947.7	1,489.8	0.00	0.00	0.00
11,900.0	89.76	359.89	10,546.9	1,519.7	-947.9	1,589.5	0.00	0.00	0.00
12,000.0	89.76	359.89	10,547.3	1,619.7	-948.1	1,689.2	0.00	0.00	0.00
12,100.0	89.76	359.89	10,547.7	1,719.7	-948.3	1,788.9	0.00	0.00	0.00
12,200.0	89.76	359.89	10,548.1	1,819.7	-948.5	1,888.6	0.00	0.00	0.00
12,300.0	89.76	359.89	10,548.5	1,919.7	-948.7	1,988.3	0.00	0.00	0.00
12,400.0	89.76	359.89	10,549.0	2,019.7	-948.9	2,088.0	0.00	0.00	0.00
12,500.0	89.76	359.89	10,549.4	2,119.7	-949.1	2,187.7	0.00	0.00	0.00
12,600.0	89.76	359.89	10,549.8	2,219.7	-949.3	2,287.4	0.00	0.00	0.00
12,700.0	89.76	359.89	10,550.2	2,319.7	-949.5	2,387.1	0.00	0.00	0.00
12,800.0	89.76	359.89	10,550.6	2,419.7	-949.7	2,486.8	0.00	0.00	0.00
12,900.0	89.76	359.89	10,551.1	2,519.7	-949.9	2,586.5	0.00	0.00	0.00
13,000.0	89.76	359.89	10,551.5	2,619.7	-950.1	2,686.2	0.00	0.00	0.00
13,100.0	89.76	359.89	10,551.9	2,719.7	-950.2	2,785.9	0.00	0.00	0.00
13,200.0	89.76	359.89	10,552.3	2,819.7	-950.4	2,885.6	0.00	0.00	0.00
13,300.0	89.76	359.89	10,552.7	2,919.7	-950.6	2,985.4	0.00	0.00	0.00
13,400.0	89.76	359.89	10,553.2	3,019.7	-950.8	3,085.1	0.00	0.00	0.00
13,500.0	89.76	359.89	10,553.6	3,119.7	-951.0	3,184.8	0.00	0.00	0.00
13,600.0	89.76	359.89	10,554.0	3,219.7	-951.2	3,284.5	0.00	0.00	0.00
13,700.0	89.76	359.89	10,554.4	3,319.7	-951.4	3,384.2	0.00	0.00	0.00
13,800.0	89.76	359.89	10,554.8	3,419.7	-951.6	3,483.9	0.00	0.00	0.00
13,900.0	89.76	359.89	10,555.3	3,519.7	-951.8	3,583.6	0.00	0.00	0.00
14,000.0	89.76	359.89	10,555.7	3,619.7	-952.0	3,683.3	0.00	0.00	0.00
14,100.0	89.76	359.89	10,556.1	3,719.7	-952.2	3,783.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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)
14,200.0	89.76	359.89	10,556.5	3,819.7	-952.4	3,882.7	0.00	0.00	0.00
14,300.0	89.76	359.89	10,556.9	3,919.7	-952.6	3,982.4	0.00	0.00	0.00
14,400.0	89.76	359.89	10,557.4	4,019.7	-952.8	4,082.1	0.00	0.00	0.00
14,500.0	89.76	359.89	10,557.8	4,119.7	-952.9	4,181.8	0.00	0.00	0.00
14,600.0	89.76	359.89	10,558.2	4,219.7	-953.1	4,281.5	0.00	0.00	0.00
14,700.0	89.76	359.89	10,558.6	4,319.7	-953.3	4,381.2	0.00	0.00	0.00
14,800.0	89.76	359.89	10,559.0	4,419.7	-953.5	4,480.9	0.00	0.00	0.00
14,900.0	89.76	359.89	10,559.4	4,519.7	-953.7	4,580.6	0.00	0.00	0.00
15,000.0	89.76	359.89	10,559.9	4,619.7	-953.9	4,680.3	0.00	0.00	0.00
15,100.0	89.76	359.89	10,560.3	4,719.7	-954.1	4,780.0	0.00	0.00	0.00
15,200.0	89.76	359.89	10,560.7	4,819.7	-954.3	4,879.7	0.00	0.00	0.00
15,300.0	89.76	359.89	10,561.1	4,919.7	-954.5	4,979.4	0.00	0.00	0.00
15,400.0	89.76	359.89	10,561.5	5,019.6	-954.7	5,079.2	0.00	0.00	0.00
15,500.0	89.76	359.89	10,562.0	5,119.6	-954.9	5,178.9	0.00	0.00	0.00
15,600.0	89.76	359.89	10,562.4	5,219.6	-955.1	5,278.6	0.00	0.00	0.00
15,700.0	89.76	359.89	10,562.8	5,319.6	-955.3	5,378.3	0.00	0.00	0.00
15,800.0	89.76	359.89	10,563.2	5,419.6	-955.5	5,478.0	0.00	0.00	0.00
15,900.0	89.76	359.89	10,563.6	5,519.6	-955.7	5,577.7	0.00	0.00	0.00
16,000.0	89.76	359.89	10,564.1	5,619.6	-955.8	5,677.4	0.00	0.00	0.00
16,100.0	89.76	359.89	10,564.5	5,719.6	-956.0	5,777.1	0.00	0.00	0.00
16,200.0	89.76	359.89	10,564.9	5,819.6	-956.2	5,876.8	0.00	0.00	0.00
16,300.0	89.76	359.89	10,565.3	5,919.6	-956.4	5,976.5	0.00	0.00	0.00
16,400.0	89.76	359.89	10,565.7	6,019.6	-956.6	6,076.2	0.00	0.00	0.00
16,500.0	89.76	359.89	10,566.2	6,119.6	-956.8	6,175.9	0.00	0.00	0.00
16,600.0	89.76	359.89	10,566.6	6,219.6	-957.0	6,275.6	0.00	0.00	0.00
16,700.0	89.76	359.89	10,567.0	6,319.6	-957.2	6,375.3	0.00	0.00	0.00
16,800.0	89.76	359.89	10,567.4	6,419.6	-957.4	6,475.0	0.00	0.00	0.00
16,900.0	89.76	359.89	10,567.8	6,519.6	-957.6	6,574.7	0.00	0.00	0.00
17,000.0	89.76	359.89	10,568.3	6,619.6	-957.8	6,674.4	0.00	0.00	0.00
17,100.0	89.76	359.89	10,568.7	6,719.6	-958.0	6,774.1	0.00	0.00	0.00
17,200.0	89.76	359.89	10,569.1	6,819.6	-958.2	6,873.8	0.00	0.00	0.00
17,300.0	89.76	359.89	10,569.5	6,919.6	-958.4	6,973.5	0.00	0.00	0.00
17,400.0	89.76	359.89	10,569.9	7,019.6	-958.5	7,073.2	0.00	0.00	0.00
17,500.0	89.76	359.89	10,570.4	7,119.6	-958.7	7,173.0	0.00	0.00	0.00
17,600.0	89.76	359.89	10,570.8	7,219.6	-958.9	7,272.7	0.00	0.00	0.00
17,700.0	89.76	359.89	10,571.2	7,319.6	-959.1	7,372.4	0.00	0.00	0.00
17,800.0	89.76	359.89	10,571.6	7,419.6	-959.3	7,472.1	0.00	0.00	0.00
17,900.0	89.76	359.89	10,572.0	7,519.6	-959.5	7,571.8	0.00	0.00	0.00
18,000.0	89.76	359.89	10,572.4	7,619.6	-959.7	7,671.5	0.00	0.00	0.00
18,100.0	89.76	359.89	10,572.9	7,719.6	-959.9	7,771.2	0.00	0.00	0.00
18,200.0	89.76	359.89	10,573.3	7,819.6	-960.1	7,870.9	0.00	0.00	0.00
18,300.0	89.76	359.89	10,573.7	7,919.6	-960.3	7,970.6	0.00	0.00	0.00
18,400.0	89.76	359.89	10,574.1	8,019.6	-960.5	8,070.3	0.00	0.00	0.00
18,500.0	89.76	359.89	10,574.5	8,119.6	-960.7	8,170.0	0.00	0.00	0.00
18,600.0	89.76	359.89	10,575.0	8,219.6	-960.9	8,269.7	0.00	0.00	0.00
18,700.0	89.76	359.89	10,575.4	8,319.6	-961.1	8,369.4	0.00	0.00	0.00
18,800.0	89.76	359.89	10,575.8	8,419.6	-961.2	8,469.1	0.00	0.00	0.00
18,900.0	89.76	359.89	10,576.2	8,519.6	-961.4	8,568.8	0.00	0.00	0.00
19,000.0	89.76	359.89	10,576.6	8,619.6	-961.6	8,668.5	0.00	0.00	0.00
19,100.0	89.76	359.89	10,577.1	8,719.6	-961.8	8,768.2	0.00	0.00	0.00
19,200.0	89.76	359.89	10,577.5	8,819.6	-962.0	8,867.9	0.00	0.00	0.00
19,300.0	89.76	359.89	10,577.9	8,919.6	-962.2	8,967.6	0.00	0.00	0.00
19,400.0	89.76	359.89	10,578.3	9,019.6	-962.4	9,067.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	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)	
19,500.0	89.76	359.89	10,578.7	9,119.6	-962.6	9,167.1	0.00	0.00	0.00	
19,600.0	89.76	359.89	10,579.2	9,219.6	-962.8	9,266.8	0.00	0.00	0.00	
19,700.0	89.76	359.89	10,579.6	9,319.6	-963.0	9,366.5	0.00	0.00	0.00	
19,800.0	89.76	359.89	10,580.0	9,419.6	-963.2	9,466.2	0.00	0.00	0.00	
19,900.0	89.76	359.89	10,580.4	9,519.6	-963.4	9,565.9	0.00	0.00	0.00	
20,000.0	89.76	359.89	10,580.8	9,619.6	-963.6	9,665.6	0.00	0.00	0.00	
20,100.0	89.76	359.89	10,581.3	9,719.6	-963.8	9,765.3	0.00	0.00	0.00	
20,200.0	89.76	359.89	10,581.7	9,819.6	-963.9	9,865.0	0.00	0.00	0.00	
20,300.0	89.76	359.89	10,582.1	9,919.6	-964.1	9,964.7	0.00	0.00	0.00	
20,400.0	89.76	359.89	10,582.5	10,019.6	-964.3	10,064.4	0.00	0.00	0.00	
20,500.0	89.76	359.89	10,582.9	10,119.6	-964.5	10,164.1	0.00	0.00	0.00	
20,600.0	89.76	359.89	10,583.3	10,219.6	-964.7	10,263.8	0.00	0.00	0.00	
20,700.0	89.76	359.89	10,583.8	10,319.6	-964.9	10,363.5	0.00	0.00	0.00	
20,800.0	89.76	359.89	10,584.2	10,419.6	-965.1	10,463.2	0.00	0.00	0.00	
20,900.0	89.76	359.89	10,584.6	10,519.6	-965.3	10,562.9	0.00	0.00	0.00	
21,000.0	89.76	359.89	10,585.0	10,619.6	-965.5	10,662.6	0.00	0.00	0.00	
21,100.0	89.76	359.89	10,585.4	10,719.6	-965.7	10,762.3	0.00	0.00	0.00	
21,200.0	89.76	359.89	10,585.9	10,819.6	-965.9	10,862.0	0.00	0.00	0.00	
21,300.0	89.76	359.89	10,586.3	10,919.6	-966.1	10,961.7	0.00	0.00	0.00	
21,400.0	89.76	359.89	10,586.7	11,019.6	-966.3	11,061.4	0.00	0.00	0.00	
21,500.0	89.76	359.89	10,587.1	11,119.6	-966.5	11,161.1	0.00	0.00	0.00	
21,600.0	89.76	359.89	10,587.5	11,219.6	-966.6	11,260.9	0.00	0.00	0.00	
21,700.0	89.76	359.89	10,588.0	11,319.6	-966.8	11,360.6	0.00	0.00	0.00	
21,800.0	89.76	359.89	10,588.4	11,419.6	-967.0	11,460.3	0.00	0.00	0.00	
21,900.0	89.76	359.89	10,588.8	11,519.6	-967.2	11,560.0	0.00	0.00	0.00	
22,000.0	89.76	359.89	10,589.2	11,619.6	-967.4	11,659.7	0.00	0.00	0.00	
22,100.0	89.76	359.89	10,589.6	11,719.6	-967.6	11,759.4	0.00	0.00	0.00	
22,200.0	89.76	359.89	10,590.1	11,819.6	-967.8	11,859.1	0.00	0.00	0.00	
22,300.0	89.76	359.89	10,590.5	11,919.6	-968.0	11,958.8	0.00	0.00	0.00	
22,400.0	89.76	359.89	10,590.9	12,019.6	-968.2	12,058.5	0.00	0.00	0.00	
22,500.0	89.76	359.89	10,591.3	12,119.6	-968.4	12,158.2	0.00	0.00	0.00	
22,533.2	89.76	359.89	10,591.5	12,152.8	-968.4	12,191.3	0.00	0.00	0.00	
Start 130.0 hold at 22533.2 MD										
22,600.0	89.76	359.89	10,591.7	12,219.6	-968.6	12,257.9	0.00	0.00	0.00	
22,663.2	89.76	359.89	10,592.0	12,282.7	-968.7	12,320.9	0.00	0.00	0.00	
TD at 22663.2										

Wellbore Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (POTATO BABY ST - hit/miss target - Shape)	0.00	0.00	10,543.0	25.9	-945.0	364,110.28	580,971.85	32° 0' 2.822 N	104° 4' 19.659 W	
- plan misses target center by 237.3usft at 10530.8usft MD (10376.4 TVD, 194.9 N, -945.4 E)										
- Circle (radius 50.0)										
LTP (POTATO BABY ST - plan hits target center - Point)	0.00	0.00	10,591.5	12,152.8	-968.4	376,237.18	580,948.45	32° 2' 2.837 N	104° 4' 19.590 W	
BHL (POTATO BABY ST - plan misses target center by 0.4usft at 22663.2usft MD (10592.0 TVD, 12282.7 N, -968.7 E) - Rectangle (sides W100.0 H12,258.0 D20.0)	0.24	359.89	10,592.0	12,282.8	-968.3	376,367.18	580,948.57	32° 2' 4.124 N	104° 4' 19.585 W	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.4ft @ 3092.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

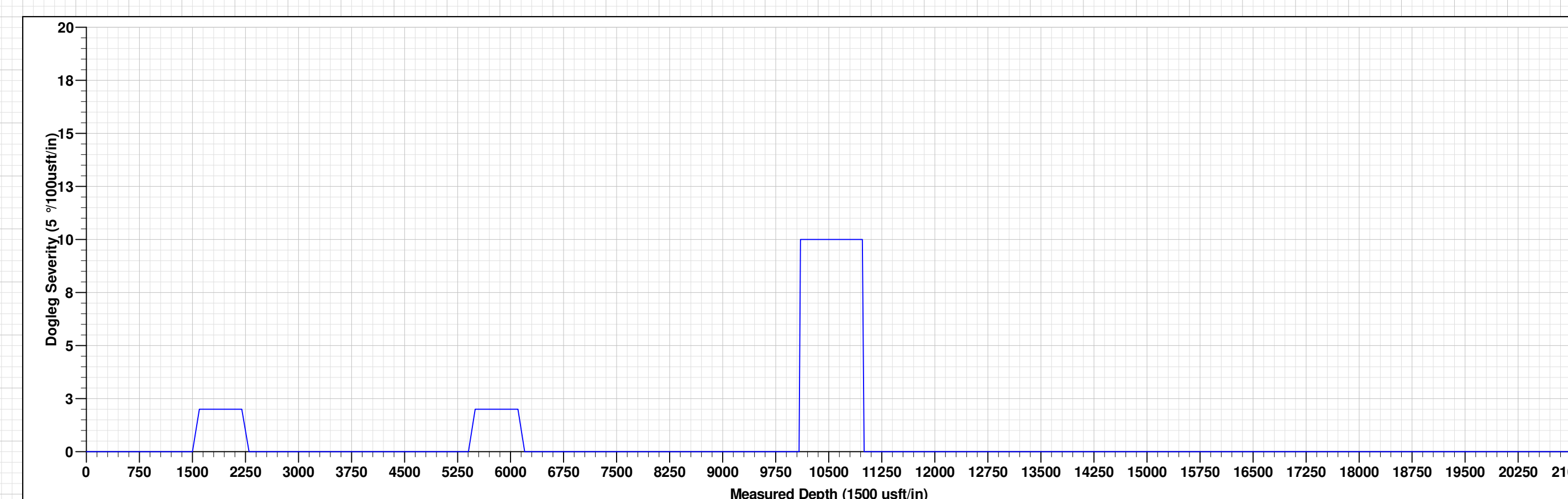
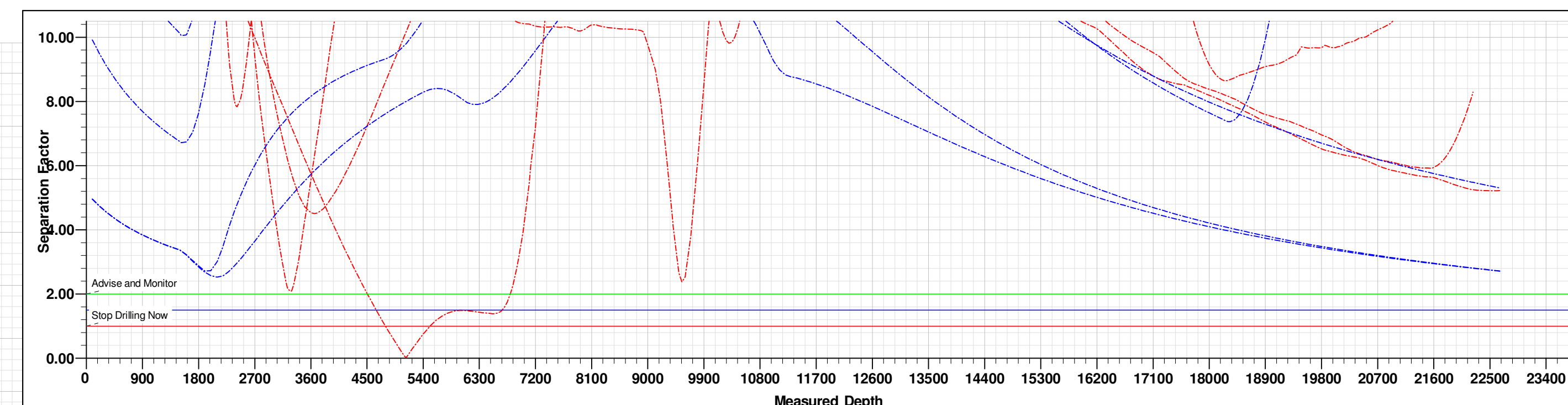
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,200.1	2,193.1	2.3	-85.1	Start 3203.9 hold at 2200.1 MD	
5,404.0	5,301.9	23.5	-860.0	Start Drop -2.00	
6,104.1	5,995.0	25.9	-945.0	Start 3975.0 hold at 6104.1 MD	
10,079.1	9,970.0	25.9	-945.0	Start DLS 10.00 TFO 359.89	
10,976.7	10,543.0	596.4	-946.2	Start 11556.5 hold at 10976.7 MD	
22,533.2	10,591.5	12,152.8	-968.4	Start 130.0 hold at 22533.2 MD	
22,663.2	10,592.0	12,282.7	-968.7	TD at 22663.2	



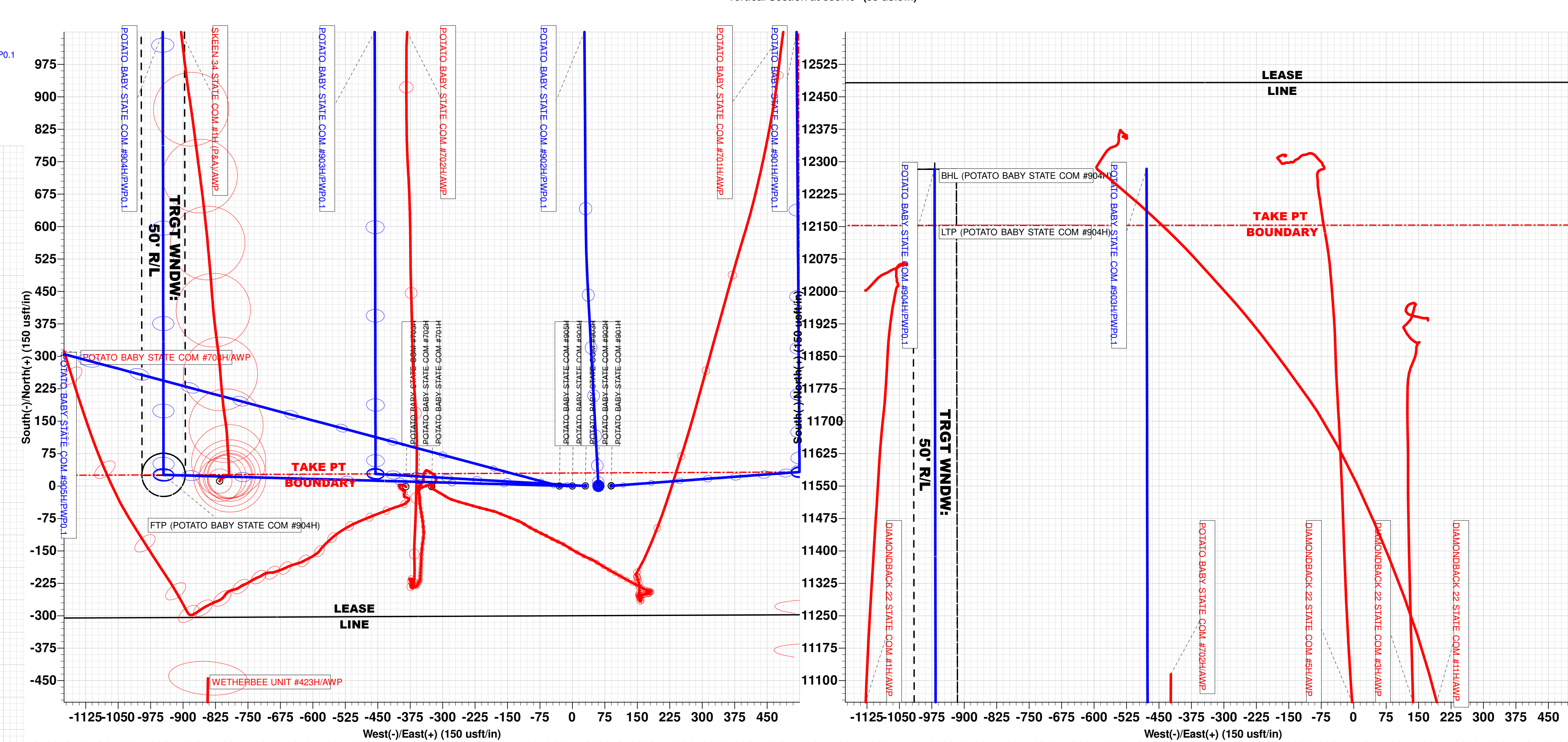
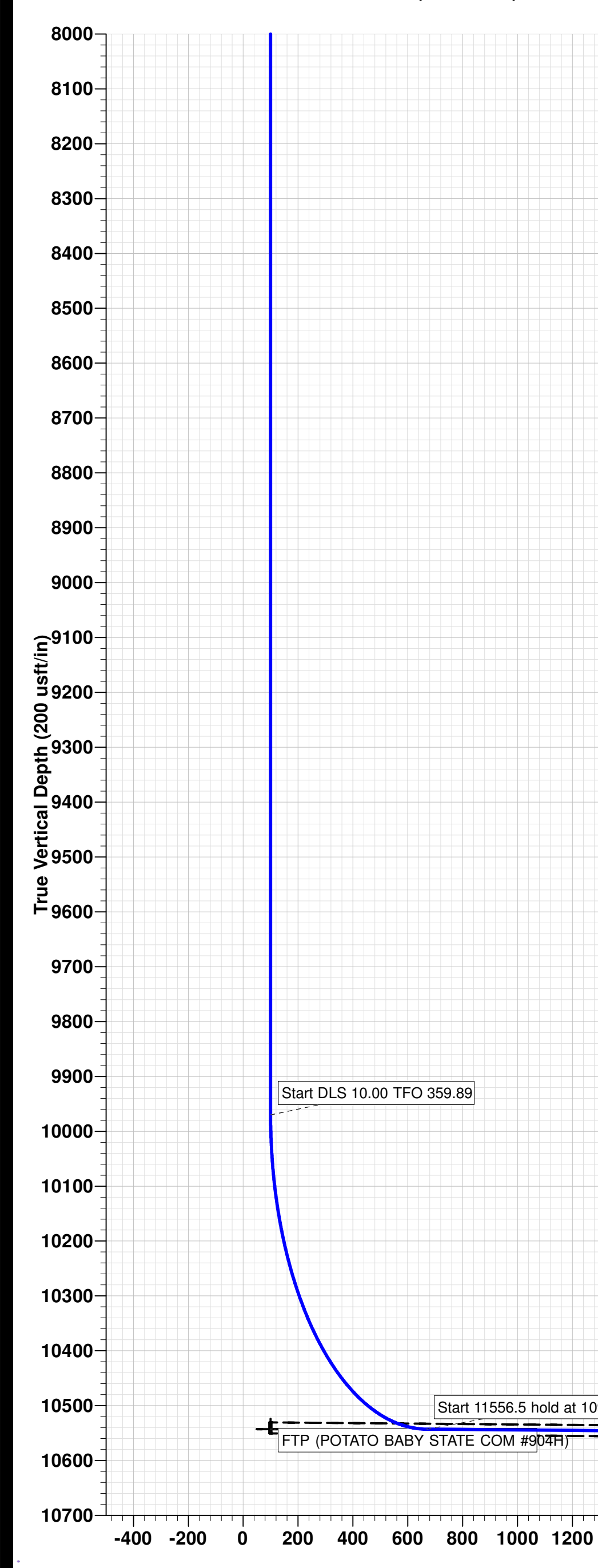
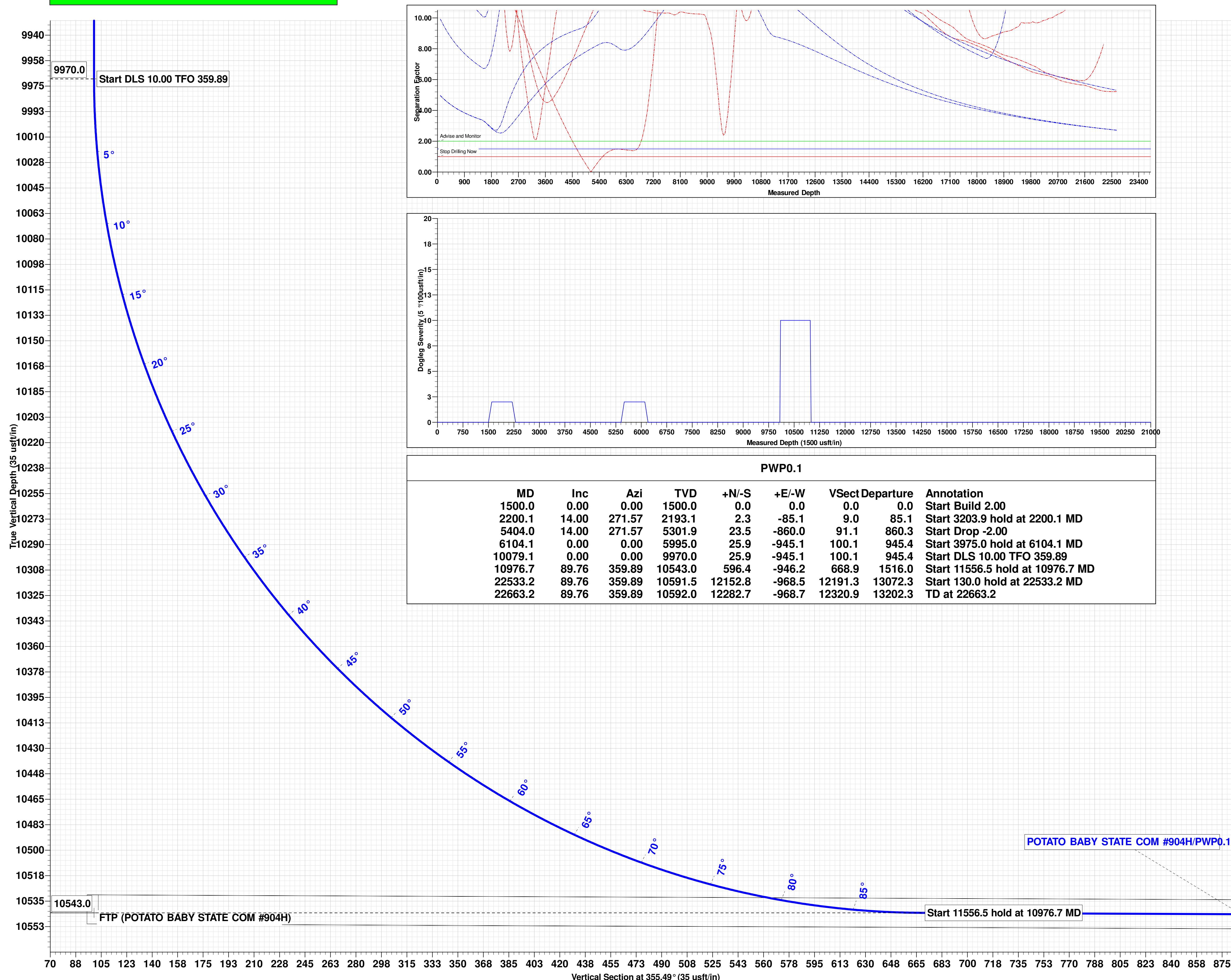
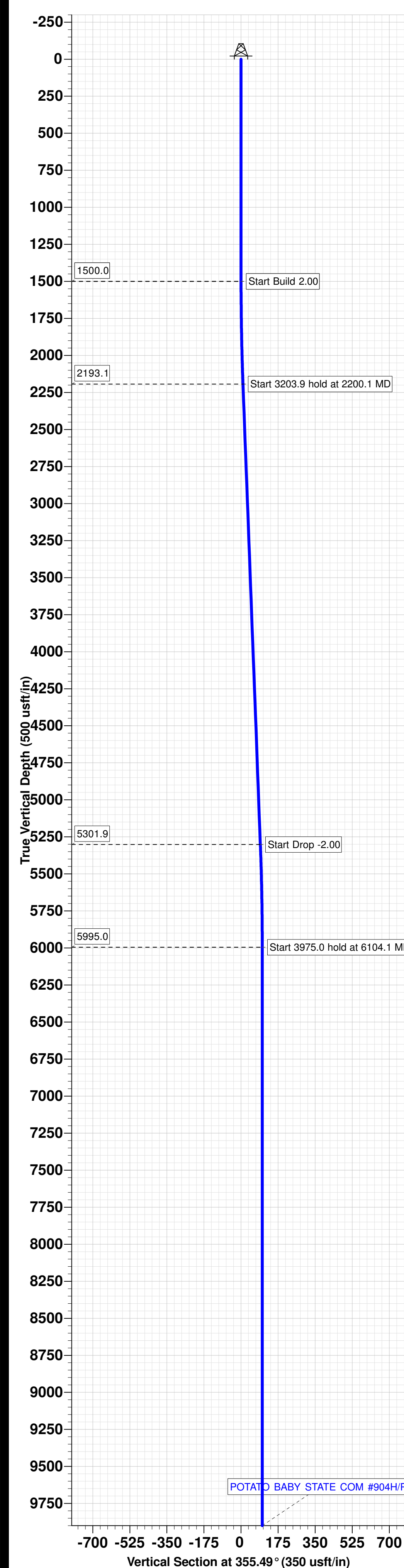
Project: ATLAS PROSPECT (NM-E)
Site: POTATO BABY STATE PROJECT (ATLAS 2628)
Well: POTATO BABY STATE COM #904H
Wellbore: OWB
Design: PWP0.1
GL: 3067.4
RKB 25ft + GL 3067.4ft @ 3092.4usft

WELL DETAILS: POTATO BABY STATE COM #904H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	364084.41	581916.90	32° 0' 2.543 N	104° 4' 8.685 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (POTATO BABY STATE COM #904H)	10543.0	25.9	-945.1	364110.28	580971.85
LTP (POTATO BABY STATE COM #904H)	10591.5	12152.8	-968.5	376237.18	580948.45
BHL (POTATO BABY STATE COM #904H)	10592.0	12262.8	-968.3	376367.18	580948.57



MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.0	Start Build 2.00
2200.1	14.00	271.57	2193.1	2.3	-85.1	9.0	85.1	Start 3203.9 hold at 2200.1 MD
5404.0	14.00	271.57	5301.9	23.5	-860.0	91.1	860.3	Start Drop -2.00
6104.1	0.00	0.00	5995.0	25.9	-945.1	100.1	945.4	Start 3975.0 hold at 6104.1 MD
10079.1	0.00	0.00	9970.0	25.9	-945.1	100.1	945.4	Start DLS 10.00 TFO 359.89
10976.7	89.76	359.89	10543.0	596.4	-946.2	668.9	1516.0	Start 11556.5 hold at 10976.7 MD
22533.2	89.76	359.89	10591.5	12152.8	-968.5	12191.3	13072.3	Start 130.0 hold at 22533.2 MD
22663.2	89.76	359.89	10592.0	12262.7	-968.7	12320.9	13202.3	TD at 22663.2



TRGT WNDW:
10' A/B

