

District I

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

District II

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

District III

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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 324619

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 30-015-49971
4. Property Code 329348	5. Property Name POTATO BABY STATE COM	6. Well No. 905H

7. Surface Location

UL - Lot H	Section 34	Township 26S	Range 28E	Lot Idn 4	Feet From 300	N/S Line S	Feet From 885	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	------------------	---------------	----------------

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 2290	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	----------------

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
----------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3067
16. Multiple N	17. Proposed Depth 22170	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	9700	940	0
Int1	9.875	7.625	29.7	7000	940	0
Prod	6.75	5.5	20	22170	1650	6200
Prod	6.75	5.5	20	9200	1650	9200

Casing/Cement Program: Additional Comments

--

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	

District I

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

District II

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

District III

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

District IV

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

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015- 49971	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 905H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 3067.83'

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	885'	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	2290'	EAST	EDDY

12 Dedicated Acres 847.72	13 Joint or Infill Infill	14 Consolidation Code Com	15 Order No.
-------------------------------------	-------------------------------------	-------------------------------------	---------------------

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

SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=623072.17 LAT.= 32.00083093° N Y=364141.46 LONG.= -104.06966099° W 300' FSL, 885' FEL - SECTION 34 FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=621667.05 LAT.= 32.00090532° N Y=364165.12 LONG.= -104.07419361° W 330' FSL, 2290' FEL - SECTION 34 LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=621643.38 LAT.= 32.03424786° N Y=376294.18 LONG.= -104.07417613° W 330' FNL, 2290' FEL - SECTION 22 BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=621643.50 LAT.= 32.03460522° N Y=376244.18 LONG.= -104.07417475° W 200' FNL, 2290' FEL - SECTION 22 CORNER DATA NEW MEXICO EAST - NAD 83 <table border="0"> <tr> <td>A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'</td> <td>F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'</td> <td>L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'</td> </tr> <tr> <td>B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'</td> <td>G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'</td> <td>M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'</td> </tr> <tr> <td>C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'</td> <td>H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'</td> <td>N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'</td> </tr> <tr> <td>D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'</td> <td>I - CALCULATED CORNER N:363833.89' E:621393.73'</td> <td>O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'</td> </tr> <tr> <td>E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'</td> <td>J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'</td> <td>P - CALCULATED CORNER N:366058.22' E:621388.44'</td> </tr> <tr> <td></td> <td>K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'</td> <td></td> </tr> </table>	A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'	F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'	L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'	B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'	G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'	M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'	C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'	H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'	N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'	D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'	I - CALCULATED CORNER N:363833.89' E:621393.73'	O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'	E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'	J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'	P - CALCULATED CORNER N:366058.22' E:621388.44'		K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'		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: Certificate Number
A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'	F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'	L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'																	
B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'	G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'	M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'																	
C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'	H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'	N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'																	
D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'	I - CALCULATED CORNER N:363833.89' E:621393.73'	O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'																	
E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'	J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'	P - CALCULATED CORNER N:366058.22' E:621388.44'																	
	K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'																		

District I

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

District II

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

District III

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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 324619

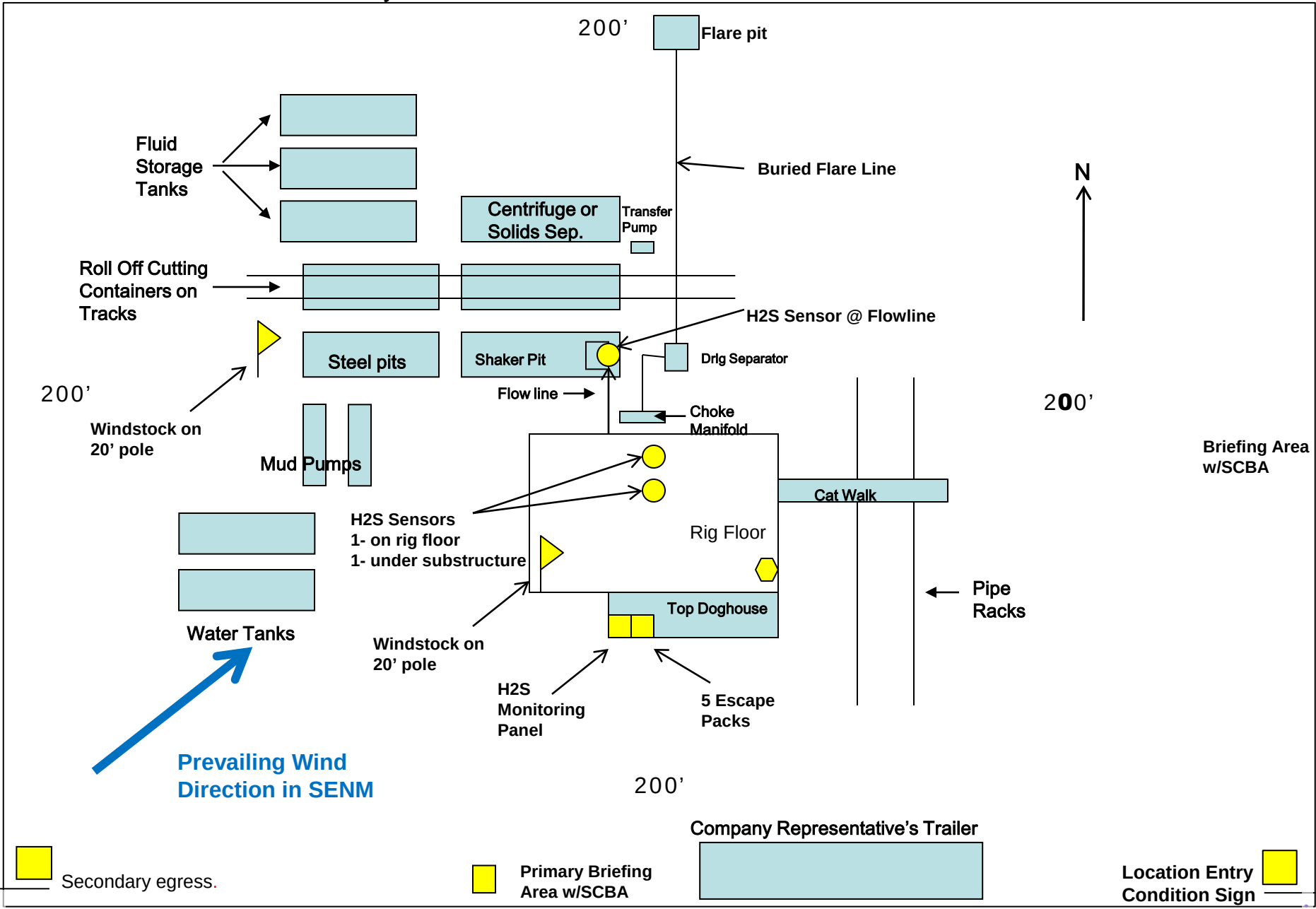
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-49971
	Well: POTATO BABY STATE COM #905H

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

COC 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:

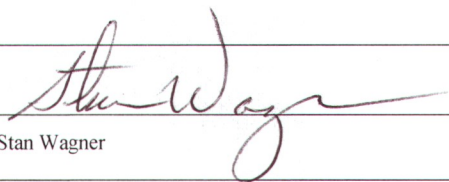
(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit 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 905H

1. Geologic Formations

TVD of target	10,383' EOL	Pilot hole depth	NA
MD at TD:	22,170'	Deepest expected fresh water:	175'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	523	Water	
Top of Salt	863	Salt	
Base of Salt	2448	Salt	
Lamar	2623	Salt Water	
Bell Canyon	2656	Salt Water	
Cherry Canyon	3507	Oil/Gas	
Brushy Canyon	4702	Oil/Gas	
Bone Spring Lime	6276	Oil/Gas	
1st Bone Spring Sand	7213	Oil/Gas	
2nd Bone Spring Sand	7973	Oil/Gas	
3rd Bone Spring Sand	8998	Oil/Gas	
Wolfcamp A	9415	Oil/Gas	
Wolfcamp B	9731	Oil/Gas	
Wolfcamp C	10246	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	1.20	3.29	3.47
8.750"	7000	9700	7.625"	29.7	HCP110	W513	1.48	1.66	3.26	1.94
6.75"	0	9200	5.5"	20	P110	TXP BTC	2.06	2.84	3.96	3.96
6.75"	9200	22,170	5.5"	20	P110	W441	1.82	2.51	3.51	2.86
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 905H

	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 905H

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	427	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1223	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	9,200'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Potato Baby State Com 905H

4. Pressure Control Equipment

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

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	3M	Annular	x	2500psi
			Blind Ram		3000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	5M	5M Annular	x	2500psi
			Blind Ram		5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

COG Operating, LLC - Potato Baby State Com 905H

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 905H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6750 psi at 10383' TVD
Abnormal Temperature	NO 160 Deg. F.

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

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

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

x	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 #905H

OWB

PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	9,934.6	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
9,934.6	22,170.0	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
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	9,317.5	10,047.7	1,212.0	1,153.7	20.788	CC, ES, SF
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	4,427.0	4,361.4	705.5	691.2	49.399	CC
WETHERBEE C ALLOCATION #407H - OWB - AWP	4,465.0	4,398.3	705.6	691.2	49.139	ES
WETHERBEE C ALLOCATION #407H - OWB - AWP	7,800.0	7,591.0	1,106.8	1,074.6	34.393	SF
WETHERBEE D ALLOCATION #406H - OWB - AWP	1,554.5	1,548.3	879.0	870.2	100.670	CC, ES
WETHERBEE D ALLOCATION #406H - OWB - AWP	3,900.0	3,824.8	1,309.9	1,292.4	74.632	SF
WETHERBEE D ALLOCATION #408H - OWB - AWP	7,704.6	7,488.1	1,164.3	1,139.0	46.047	CC, ES
WETHERBEE D ALLOCATION #408H - OWB - AWP	7,980.0	7,573.9	1,191.9	1,165.4	45.070	SF
WETHERBEE UNIT #423H - OWB - AWP	10,200.0	15,385.0	1,159.0	1,069.4	12.926	SF
WETHERBEE UNIT #423H - OWB - AWP	10,209.1	15,385.0	1,158.9	1,069.3	12.927	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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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						Out of range
DIAMONDBACK 22 STATE COM #4H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #701H - OWB - AWP	2,307.2	2,312.3	97.1	87.8	10.376	CC, ES, SF
POTATO BABY STATE COM #702H - OWB - AWP	3,000.0	2,974.4	82.9	72.1	7.687	ES
POTATO BABY STATE COM #702H - OWB - AWP	3,002.1	2,976.4	82.9	72.1	7.688	CC
POTATO BABY STATE COM #702H - OWB - AWP	21,090.0	20,709.0	1,257.9	1,074.5	6.858	SF
POTATO BABY STATE COM #703H - OWB - AWP	3,132.6	3,096.4	153.5	138.0	9.923	CC
POTATO BABY STATE COM #703H - OWB - AWP	3,135.0	3,098.7	153.5	138.0	9.917	ES
POTATO BABY STATE COM #703H - OWB - AWP	22,040.1	21,780.4	802.1	609.1	4.156	SF
POTATO BABY STATE COM #704H - OWB - AWP	9,765.3	10,199.9	677.1	613.5	10.652	CC, ES
POTATO BABY STATE COM #704H - OWB - AWP	22,170.0	21,915.0	882.8	682.8	4.414	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	1,497.6	119.9	111.0	13.492	CC, ES
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,600.0	1,593.6	123.2	113.9	13.312	SF
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,500.0	1,498.1	90.0	81.1	10.120	CC, ES
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,600.0	1,598.1	91.6	82.5	10.005	SF
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,905.3	1,912.2	58.9	47.9	5.342	CC, ES
POTATO BABY STATE COM #903H - OWB - PWP0.1	22,170.0	22,394.8	980.2	785.6	5.038	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,865.6	1,868.9	29.5	18.7	2.731	CC
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,995.0	1,999.6	29.8	18.2	2.571	ES
POTATO BABY STATE COM #904H - OWB - PWP0.1	2,100.0	2,105.5	30.9	18.7	2.526	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1	10,831.9	11,383.7	580.0	513.9	8.770	CC
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,170.0	22,721.8	582.4	384.7	2.946	ES, SF
POTATO BABY STATE COM #907H - OWB - PWP0.1	10,670.4	10,945.5	1,038.8	977.4	16.916	CC
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,170.0	22,443.0	1,042.8	847.0	5.324	ES, SF
POTATO BABY STATE COM #908H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #909H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #910H - OWB - PWP0.1						Out of range
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	4,906.9	4,780.1	173.1	100.2	2.375	CC
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	4,940.0	4,811.9	173.4	100.0	2.363	ES
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	5,035.0	4,905.0	175.5	100.4	2.339	SF
SRO STATE #61H - OWB - AWP						Out of range
SRO STATE #62H - OWB - AWP						Out of range
SRO STATE COM #64H - OWB - AWP						Out of range

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	22,170.0	21,873.9				Out of Range @TD
KEG SHELL FEDERAL COM #705H - OWB - PWP1	22,170.0	21,794.5				Out of Range @TD
KEG SHELL FEDERAL COM #706H - OWB - PWP1	22,170.0	21,850.6				Out of Range @TD
KEG SHELL FEDERAL COM #906H - OWB - PWP0	22,170.0	23,044.8				Out of Range @TD
KEG SHELL FEDERAL COM #907H - OWB - PWP0	22,170.0	22,758.7				Out of Range @TD
KEG SHELL FEDERAL COM #908H - OWB - PWP0	22,170.0	22,900.0				Out of Range @TD
KEG SHELL FEDERAL COM #909H - OWB - PWP0	22,170.0	22,687.8				Out of Range @TD
KEG SHELL FEDERAL COM #910H - OWB - PWP0	22,170.0	22,909.1				Out of Range @TD
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP	22,170.0	2,655.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD	22,170.0	10,395.2				Out of Range @TD
BOWSER SWD #2 - OWB - SWD	22,170.0	10,320.2				Out of Range @TD
WETHERBEE #401H - OWB - AWP	22,170.0	9,863.9				Out of Range @TD
WETHERBEE #405H - OWB - AWP	22,170.0	7,667.0				Out of Range @TD
WETHERBEE #422H - OWB - AWP	22,170.0	15,540.0				Out of Range @TD
WETHERBEE #424H - OWB - AWP	22,170.0	15,475.0				Out of Range @TD
WETHERBEE A ALLOCATION #405H - OWB - AWP	22,170.0	7,667.0				Out of Range @TD
WETHERBEE C ALLOCATION #407H - OWB - AWP	22,170.0	7,781.0				Out of Range @TD
WETHERBEE D ALLOCATION #406H - OWB - AWP	22,170.0	7,599.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	22,170.0	7,531.0				Out of Range @TD
WETHERBEE UNIT #423H - OWB - AWP	22,170.0	15,385.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,170.0	9,187.2				Out of Range @TD
DIAMONDBACK 22 STATE COM #1H - OWB - AWP	22,170.0	8,246.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	22,170.0	10,133.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #4H - OWB - AWP	22,170.0	8,643.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #5H - OWB - AWP	22,170.0	8,355.0				Out of Range @TD
POTATO BABY STATE COM #701H - OWB - AWP	22,170.0	16,584.0				Out of Range @TD
POTATO BABY STATE COM #702H - OWB - AWP	22,170.0	20,709.0				Out of Range @TD
POTATO BABY STATE COM #703H - OWB - AWP	22,170.0	21,894.4	810.4	615.8	4.164	
POTATO BABY STATE COM #704H - OWB - AWP	22,170.0	21,915.0	882.8	682.8	4.414	SF
POTATO BABY STATE COM #705H - OWB - AWP	22,170.0	21,720.1				Out of Range @TD
POTATO BABY STATE COM #706H - OWB - AWP	22,170.0	21,821.0				Out of Range @TD
POTATO BABY STATE COM #901H - OWB - PWP0.1	22,170.0	18,096.7				Out of Range @TD
POTATO BABY STATE COM #902H - OWB - PWP0.1	22,170.0	18,284.8				Out of Range @TD
POTATO BABY STATE COM #903H - OWB - PWP0.1	22,170.0	22,394.8	980.2	785.6	5.038	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	22,170.0	22,662.9	532.9	336.6	2.716	
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,170.0	22,721.8	582.4	384.7	2.946	ES, SF
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,170.0	22,443.0	1,042.8	847.0	5.324	ES, SF
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,170.0	22,562.8				Out of Range @TD
POTATO BABY STATE COM #909H - OWB - PWP0.1	22,170.0	22,326.7				Out of Range @TD
POTATO BABY STATE COM #910H - OWB - PWP0.1	22,170.0	22,530.0				Out of Range @TD
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	22,170.0	13,334.0				Out of Range @TD
SRO STATE #61H - OWB - AWP	22,170.0	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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
POTATO BABY STATE PROJECT (ATLAS 2628)						
SRO STATE #62H - OWB - AWP	22,170.0	12,575.0				Out of Range @TD
SRO STATE COM #64H - OWB - AWP	22,170.0	16,852.0				Out of Range @TD

Offset Design: PEACEKEEPER - WETHERBEE #401H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		100-GYRO-NS, 8660-MWD <th colspan="4">Rule Assigned:</th> <th>Offset Well Error:</th> <td>3.0 usft</td>					Rule Assigned:				Offset Well Error:	3.0 usft		
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,800.0	8,628.4	10,038.0	9,185.8	33.6	39.3	-178.22	-837.2	-1,443.1	1,317.8	1,261.9	55.96	23.548		
8,835.0	8,663.4	10,038.6	9,185.8	33.6	39.4	-178.25	-837.2	-1,442.5	1,304.5	1,248.2	56.25	23.193		
8,900.0	8,728.4	10,044.0	9,185.9	33.6	39.4	-178.50	-837.4	-1,437.1	1,281.9	1,225.0	56.83	22.555		
8,930.0	8,758.4	10,044.0	9,185.9	33.7	39.4	-178.50	-837.4	-1,437.1	1,272.4	1,215.4	57.03	22.311		
9,000.0	8,828.4	10,044.0	9,185.9	33.7	39.4	-178.50	-837.4	-1,437.1	1,252.9	1,195.4	57.44	21.814		
9,025.0	8,853.4	10,044.0	9,185.9	33.7	39.4	-178.50	-837.4	-1,437.1	1,246.8	1,189.2	57.56	21.660		
9,100.0	8,928.4	10,044.0	9,185.9	33.7	39.4	-178.50	-837.4	-1,437.1	1,231.3	1,173.5	57.88	21.275		
9,120.0	8,948.4	10,044.0	9,185.9	33.7	39.4	-178.50	-837.4	-1,437.1	1,228.0	1,170.0	57.95	21.192		
9,200.0	9,028.4	10,045.2	9,185.9	33.7	39.4	-178.56	-837.4	-1,435.9	1,217.7	1,159.5	58.17	20.932		
9,215.0	9,043.4	10,045.6	9,185.9	33.7	39.5	-178.58	-837.4	-1,435.6	1,216.3	1,158.1	58.20	20.897		
9,300.0	9,128.4	10,047.3	9,186.0	33.8	39.5	-178.66	-837.4	-1,433.8	1,212.1	1,153.8	58.30	20.791		
9,310.0	9,138.4	10,047.5	9,186.0	33.8	39.5	-178.67	-837.5	-1,433.6	1,212.0	1,153.7	58.30	20.789		
9,317.5	9,146.0	10,047.7	9,186.0	33.8	39.5	-178.68	-837.5	-1,433.4	1,212.0	1,153.7	58.30	20.788	CC, ES, SF	
9,400.0	9,228.4	10,049.4	9,186.0	33.8	39.5	-178.76	-837.5	-1,431.7	1,214.8	1,156.5	58.24	20.859		
9,405.0	9,233.4	10,049.5	9,186.0	33.8	39.5	-178.77	-837.5	-1,431.6	1,215.1	1,156.9	58.23	20.868		
9,500.0	9,328.4	10,051.4	9,186.0	33.8	39.5	-178.86	-837.5	-1,429.7	1,225.6	1,167.6	58.01	21.130		
9,595.0	9,423.4	10,053.3	9,186.1	33.8	39.6	-178.95	-837.6	-1,427.8	1,243.3	1,185.7	57.65	21.567		
9,600.0	9,428.4	10,053.4	9,186.1	33.8	39.6	-178.95	-837.6	-1,427.7	1,244.5	1,186.8	57.63	21.595		
9,690.0	9,518.4	10,055.2	9,186.1	33.9	39.6	-179.04	-837.6	-1,425.9	1,267.9	1,210.7	57.20	22.168		
9,700.0	9,528.4	10,055.4	9,186.1	33.9	39.6	-179.04	-837.6	-1,425.7	1,270.9	1,213.7	57.14	22.240		
9,785.0	9,613.4	10,057.1	9,186.1	33.9	39.6	-179.12	-837.7	-1,424.1	1,299.0	1,242.3	56.67	22.921		
9,800.0	9,628.4	10,057.4	9,186.1	33.9	39.6	-179.14	-837.7	-1,423.8	1,304.5	1,247.9	56.59	23.052		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7591-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	14.0	14.0	4.2	3.0	-121.92	-523.7	-840.6	990.4				
95.0	95.0	114.7	114.7	4.3	3.0	-121.93	-523.6	-840.2	990.1	982.8	7.26	136.353	
100.0	100.0	120.0	120.0	4.3	3.0	-121.93	-523.6	-840.2	990.0	982.8	7.26	136.297	
190.0	190.0	213.8	213.8	4.3	3.0	-121.90	-522.7	-839.8	989.2	981.8	7.35	134.656	
200.0	200.0	223.5	223.5	4.4	3.0	-121.89	-522.5	-839.7	989.1	981.7	7.36	134.409	
285.0	285.0	305.6	305.6	4.4	3.0	-121.82	-521.1	-839.7	988.3	980.9	7.44	132.850	
300.0	300.0	320.3	320.3	4.4	3.0	-121.81	-520.9	-839.8	988.2	980.8	7.46	132.551	
380.0	380.0	398.8	398.7	4.5	3.0	-121.72	-519.3	-840.1	987.7	980.2	7.53	131.149	
400.0	400.0	419.9	419.9	4.5	3.0	-121.70	-518.9	-840.2	987.6	980.0	7.55	130.772	
475.0	475.0	499.5	499.5	4.6	3.1	-121.60	-517.1	-840.5	986.9	979.3	7.63	129.427	
500.0	500.0	526.2	526.2	4.6	3.1	-121.57	-516.5	-840.5	986.6	978.9	7.65	128.935	
570.0	570.0	600.9	600.8	4.7	3.1	-121.47	-514.4	-840.4	985.5	977.8	7.72	127.594	
600.0	600.0	630.2	630.0	4.7	3.1	-121.43	-513.5	-840.4	985.0	977.2	7.76	126.984	
665.0	665.0	693.7	693.6	4.8	3.1	-121.36	-512.0	-840.1	983.9	976.1	7.83	125.716	
700.0	700.0	730.1	730.0	4.8	3.1	-121.33	-511.3	-839.8	983.4	975.5	7.87	124.987	
760.0	760.0	793.4	793.2	4.9	3.2	-121.30	-510.2	-839.1	982.2	974.3	7.94	123.729	
800.0	800.0	835.3	835.1	4.9	3.2	-121.29	-509.6	-838.4	981.4	973.4	7.99	122.837	
855.0	855.0	892.8	892.6	5.0	3.2	-121.28	-508.7	-837.3	980.1	972.0	8.06	121.602	
900.0	900.0	939.3	939.1	5.0	3.2	-121.28	-508.1	-836.3	978.9	970.8	8.12	120.563	
950.0	950.0	990.9	990.7	5.1	3.3	-121.29	-507.5	-835.0	977.5	969.4	8.19	119.410	
1,000.0	1,000.0	1,040.1	1,039.9	5.1	3.3	-121.31	-507.1	-833.7	976.2	967.9	8.25	118.258	
1,045.0	1,045.0	1,083.9	1,083.7	5.1	3.3	-121.33	-506.8	-832.5	974.9	966.6	8.32	117.245	
1,100.0	1,100.0	1,140.5	1,140.2	5.2	3.3	-121.36	-506.5	-830.9	973.5	965.1	8.39	115.977	
1,140.0	1,140.0	1,182.5	1,182.2	5.2	3.4	-121.38	-506.1	-829.7	972.3	963.9	8.45	115.048	
1,200.0	1,200.0	1,238.6	1,238.3	5.3	3.4	-121.40	-505.5	-828.2	970.6	962.1	8.54	113.679	
1,235.0	1,235.0	1,269.8	1,269.5	5.3	3.4	-121.41	-505.2	-827.5	969.8	961.2	8.59	112.920	
1,300.0	1,300.0	1,330.6	1,330.2	5.4	3.5	-121.41	-504.7	-826.5	968.5	959.9	8.68	111.534	
1,330.0	1,330.0	1,360.1	1,359.7	5.4	3.5	-121.42	-504.5	-826.0	968.0	959.3	8.73	110.902	
1,400.0	1,400.0	1,430.7	1,430.4	5.5	3.5	-121.45	-504.3	-824.7	966.8	958.0	8.84	109.433	
1,425.0	1,425.0	1,456.9	1,456.5	5.5	3.5	-121.47	-504.3	-824.1	966.4	957.5	8.87	108.914	
1,500.0	1,500.0	1,535.3	1,534.9	5.6	3.6	-121.53	-504.5	-822.1	964.8	955.8	8.99	107.357	
1,520.0	1,520.0	1,556.2	1,555.8	5.6	3.6	-46.48	-504.5	-821.5	964.3	955.3	9.03	106.820	
1,600.0	1,600.0	1,635.9	1,635.5	5.7	3.6	-46.69	-504.9	-819.0	961.2	952.0	9.17	104.787	
1,615.0	1,615.0	1,650.1	1,649.6	5.7	3.6	-46.74	-505.0	-818.6	960.5	951.3	9.21	104.290	
1,700.0	1,699.8	1,734.6	1,734.1	5.8	3.7	-47.13	-505.7	-816.1	955.5	946.1	9.42	101.410	
1,710.0	1,709.8	1,745.3	1,744.8	5.9	3.7	-47.19	-505.7	-815.8	954.8	945.4	9.45	101.056	
1,800.0	1,799.5	1,837.0	1,836.4	6.1	3.8	-47.79	-506.2	-812.7	947.1	937.4	9.68	97.831	
1,805.0	1,804.4	1,841.7	1,841.1	6.1	3.8	-47.83	-506.3	-812.5	946.6	936.9	9.69	97.651	
1,900.0	1,898.7	1,930.1	1,929.5	6.3	3.8	-48.61	-507.1	-809.7	936.7	926.8	9.94	94.253	
1,995.0	1,992.5	2,016.9	2,016.3	6.6	3.9	-49.52	-507.9	-807.6	925.5	915.4	10.18	90.914	
2,000.0	1,997.5	2,021.5	2,020.9	6.6	3.9	-49.57	-507.9	-807.5	924.9	914.7	10.19	90.745	
2,090.0	2,085.8	2,104.2	2,103.5	6.9	3.9	-50.61	-508.9	-806.0	913.2	902.8	10.42	87.679	
2,100.0	2,095.6	2,113.9	2,113.3	6.9	4.0	-50.74	-509.1	-805.9	911.8	901.4	10.44	87.343	
2,185.0	2,178.5	2,196.7	2,196.0	7.2	4.0	-51.93	-509.8	-804.8	899.4	888.8	10.65	84.455	
2,200.0	2,193.1	2,213.0	2,212.3	7.2	4.0	-52.18	-509.9	-804.7	897.1	886.4	10.69	83.927	
2,280.0	2,270.7	2,301.9	2,301.2	7.5	4.1	-53.39	-510.3	-802.9	884.1	873.2	10.88	81.249	
2,300.0	2,290.1	2,321.5	2,320.8	7.5	4.1	-53.66	-510.4	-802.3	880.7	869.8	10.93	80.585	
2,375.0	2,362.9	2,395.6	2,394.8	7.8	4.2	-54.73	-510.6	-800.2	868.4	857.2	11.11	78.141	
2,400.0	2,387.1	2,416.7	2,416.0	7.8	4.2	-55.04	-510.7	-799.6	864.3	853.1	11.17	77.393	
2,470.0	2,455.0	2,473.9	2,473.1	8.1	4.2	-55.87	-511.0	-798.4	853.7	842.3	11.32	75.410	
2,500.0	2,484.1	2,500.0	2,499.3	8.2	4.3	-56.25	-511.3	-798.1	849.4	838.0	11.38	74.611	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)				
2,565.0	2,547.2	2,558.5	2,557.7	8.4	4.3	-57.11	-511.8	-797.7	840.7	829.2	11.50	73.123		
2,600.0	2,581.2	2,590.9	2,590.2	8.5	4.3	-57.59	-512.2	-797.6	836.2	824.6	11.56	72.358		
2,660.0	2,639.4	2,647.6	2,646.8	8.7	4.3	-58.42	-512.7	-797.6	828.7	817.0	11.64	71.181		
2,700.0	2,678.2	2,685.5	2,684.7	8.8	4.3	-58.98	-513.1	-797.6	823.9	812.2	11.70	70.437		
2,755.0	2,731.6	2,738.7	2,737.9	9.0	4.3	-59.78	-513.5	-797.8	817.4	805.6	11.77	69.467		
2,800.0	2,775.2	2,782.5	2,781.7	9.2	4.3	-60.44	-513.9	-798.0	812.2	800.4	11.82	68.706		
2,850.0	2,823.7	2,830.9	2,830.2	9.4	4.3	-61.18	-514.3	-798.1	806.6	794.7	11.88	67.878		
2,900.0	2,872.3	2,879.2	2,878.4	9.6	4.3	-61.92	-514.7	-798.3	801.2	789.2	11.94	67.074		
2,945.0	2,915.9	2,922.6	2,921.8	9.8	4.3	-62.60	-515.1	-798.5	796.4	784.4	12.00	66.368		
3,000.0	2,969.3	2,975.6	2,974.8	10.0	4.3	-63.43	-515.4	-798.8	790.7	778.7	12.07	65.531		
3,040.0	3,008.1	3,014.1	3,013.3	10.1	4.3	-64.04	-515.7	-799.1	786.7	774.6	12.11	64.951		
3,100.0	3,066.3	3,071.6	3,070.8	10.4	4.3	-64.96	-516.1	-799.5	781.0	768.8	12.19	64.092		
3,135.0	3,100.3	3,105.4	3,104.6	10.5	4.3	-65.51	-516.4	-799.8	777.8	765.5	12.24	63.567		
3,200.0	3,163.4	3,171.7	3,170.9	10.8	4.2	-66.59	-516.8	-800.3	771.8	759.5	12.32	62.659		
3,230.0	3,192.5	3,202.3	3,201.5	10.9	4.2	-67.09	-516.9	-800.5	769.1	756.7	12.35	62.258		
3,300.0	3,260.4	3,267.7	3,267.0	11.2	4.2	-68.17	-517.1	-801.0	763.0	750.5	12.45	61.291		
3,325.0	3,284.6	3,291.2	3,290.4	11.3	4.2	-68.56	-517.3	-801.2	760.9	748.5	12.48	60.962		
3,400.0	3,357.4	3,367.3	3,366.5	11.6	4.2	-69.84	-517.6	-801.8	754.9	742.4	12.58	59.999		
3,420.0	3,376.8	3,387.8	3,387.0	11.7	4.2	-70.19	-517.6	-801.9	753.3	740.7	12.61	59.744		
3,500.0	3,454.4	3,466.9	3,466.1	12.0	4.2	-71.54	-517.5	-802.4	747.1	734.3	12.73	58.695		
3,515.0	3,469.0	3,481.6	3,480.9	12.1	4.2	-71.79	-517.5	-802.6	745.9	733.2	12.75	58.502		
3,600.0	3,551.5	3,563.9	3,563.2	12.4	4.2	-73.20	-517.2	-803.3	739.7	726.8	12.88	57.427		
3,610.0	3,561.2	3,573.6	3,572.8	12.5	4.2	-73.37	-517.1	-803.4	739.0	726.1	12.90	57.305		
3,700.0	3,648.5	3,661.4	3,660.6	12.9	4.2	-74.89	-516.8	-804.3	733.1	720.0	13.04	56.238		
3,705.0	3,653.3	3,666.3	3,665.5	12.9	4.2	-74.98	-516.8	-804.3	732.8	719.7	13.04	56.181		
3,800.0	3,745.5	3,760.6	3,759.8	13.3	4.2	-76.65	-516.4	-805.1	727.0	713.8	13.19	55.134		
3,895.0	3,837.7	3,855.8	3,855.0	13.7	4.2	-78.33	-515.4	-806.1	721.5	708.2	13.34	54.072		
3,900.0	3,842.6	3,860.8	3,860.0	13.8	4.2	-78.42	-515.4	-806.1	721.2	707.9	13.35	54.017		
3,990.0	3,929.9	3,947.7	3,946.9	14.2	4.2	-79.98	-514.4	-806.9	716.4	702.9	13.51	53.049		
4,000.0	3,939.6	3,957.1	3,956.3	14.2	4.2	-80.15	-514.3	-807.0	715.9	702.4	13.52	52.946		
4,085.0	4,022.1	4,038.7	4,037.9	14.6	4.2	-81.63	-513.6	-807.9	712.3	698.6	13.67	52.101		
4,100.0	4,036.6	4,053.5	4,052.7	14.6	4.2	-81.90	-513.4	-808.0	711.7	698.0	13.70	51.956		
4,180.0	4,114.2	4,129.7	4,128.9	15.0	4.3	-83.33	-512.9	-808.4	708.8	694.9	13.84	51.216		
4,200.0	4,133.6	4,147.8	4,147.0	15.1	4.3	-83.67	-512.9	-808.5	708.2	694.3	13.87	51.046		
4,275.0	4,206.4	4,216.3	4,215.5	15.4	4.3	-84.99	-513.0	-808.8	706.6	692.6	14.01	50.452		
4,300.0	4,230.7	4,239.9	4,239.1	15.5	4.3	-85.45	-513.1	-809.0	706.2	692.2	14.05	50.274		
4,370.0	4,298.6	4,306.0	4,305.1	15.9	4.3	-86.72	-513.5	-809.3	705.6	691.5	14.17	49.790		
4,400.0	4,327.7	4,335.1	4,334.3	16.0	4.3	-87.29	-513.8	-809.5	705.5	691.3	14.23	49.584		
4,427.0	4,353.9	4,361.4	4,360.6	16.1	4.3	-87.80	-514.0	-809.7	705.5	691.2	14.28	49.399 CC		
4,465.0	4,390.8	4,398.3	4,397.5	16.3	4.3	-88.51	-514.3	-809.9	705.6	691.2	14.36	49.139 ES		
4,500.0	4,424.7	4,431.2	4,430.4	16.5	4.3	-89.14	-514.5	-810.2	705.7	691.3	14.43	48.899		
4,560.0	4,483.0	4,487.6	4,486.8	16.7	4.4	-90.22	-515.1	-810.8	706.4	691.8	14.57	48.497		
4,600.0	4,521.8	4,525.9	4,525.0	16.9	4.4	-90.94	-515.5	-811.2	707.1	692.4	14.66	48.232		
4,655.0	4,575.1	4,578.8	4,578.0	17.2	4.4	-91.95	-516.1	-811.8	708.2	693.4	14.80	47.866		
4,700.0	4,618.8	4,622.3	4,621.4	17.4	4.4	-92.78	-516.7	-812.1	709.4	694.5	14.91	47.562		
4,750.0	4,667.3	4,670.7	4,669.8	17.6	4.4	-93.72	-517.4	-812.3	710.9	695.8	15.05	47.223		
4,800.0	4,715.8	4,718.1	4,717.2	17.8	4.5	-94.65	-518.2	-812.3	712.6	697.4	15.20	46.886		
4,845.0	4,759.5	4,759.4	4,758.6	18.0	4.5	-95.46	-518.9	-812.3	714.4	699.1	15.33	46.589		
4,900.0	4,812.9	4,810.4	4,809.5	18.3	4.5	-96.45	-520.0	-812.4	717.0	701.5	15.51	46.237		
4,940.0	4,851.7	4,848.6	4,847.7	18.5	4.5	-97.18	-520.9	-812.6	719.2	703.5	15.64	45.976		
5,000.0	4,909.9	4,906.1	4,905.2	18.8	4.6	-98.27	-522.3	-812.9	722.7	706.8	15.85	45.588		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7591-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	4,943.8	4,940.5	4,939.5	18.9	4.6	-98.90	-523.1	-813.1	724.9	708.9	15.98	45.355	
5,100.0	5,006.9	5,004.2	5,003.2	19.2	4.6	-100.06	-524.6	-813.8	729.1	712.9	16.23	44.923	
5,130.0	5,036.0	5,032.9	5,031.9	19.4	4.6	-100.57	-525.2	-814.2	731.2	714.8	16.35	44.727	
5,200.0	5,103.9	5,100.0	5,099.0	19.7	4.7	-101.74	-526.8	-815.4	736.3	719.7	16.63	44.280	
5,225.0	5,128.2	5,124.4	5,123.4	19.8	4.7	-102.16	-527.4	-815.8	738.2	721.5	16.73	44.119	
5,300.0	5,201.0	5,197.9	5,196.9	20.2	4.7	-103.41	-529.1	-817.1	744.2	727.1	17.06	43.633	
5,320.0	5,220.4	5,217.0	5,216.0	20.3	4.8	-103.73	-529.5	-817.5	745.8	728.7	17.14	43.507	
5,400.0	5,298.0	5,293.0	5,291.9	20.6	4.8	-104.99	-531.4	-818.8	752.8	735.3	17.50	43.015	
5,415.0	5,312.6	5,307.3	5,306.2	20.7	4.8	-105.23	-531.8	-819.1	754.2	736.6	17.57	42.925	
5,500.0	5,395.0	5,388.3	5,387.1	21.1	4.9	-106.54	-534.0	-820.6	762.3	744.3	17.97	42.422	
5,510.0	5,404.7	5,397.8	5,396.6	21.2	4.9	-106.70	-534.2	-820.7	763.3	745.3	18.02	42.364	
5,600.0	5,492.1	5,485.3	5,484.1	21.6	4.9	-108.09	-536.8	-822.3	772.5	754.1	18.46	41.838	
5,605.0	5,496.9	5,490.2	5,489.0	21.6	5.0	-108.17	-536.9	-822.4	773.0	754.6	18.49	41.809	
5,700.0	5,589.1	5,583.7	5,582.5	22.0	5.0	-109.61	-539.5	-824.1	783.3	764.3	18.98	41.257	
5,795.0	5,681.3	5,676.4	5,675.1	22.5	5.1	-111.04	-542.0	-825.4	793.9	774.4	19.50	40.716	
5,800.0	5,686.1	5,681.2	5,679.9	22.5	5.1	-111.11	-542.1	-825.5	794.4	774.9	19.52	40.688	
5,890.0	5,773.4	5,765.4	5,764.1	22.9	5.2	-112.38	-544.4	-826.5	805.1	785.1	20.02	40.222	
5,900.0	5,783.1	5,774.7	5,773.4	23.0	5.2	-112.52	-544.7	-826.6	806.3	786.2	20.07	40.173	
5,985.0	5,865.6	5,857.4	5,856.1	23.4	5.3	-113.75	-547.3	-827.4	817.1	796.5	20.56	39.738	
6,000.0	5,880.2	5,872.4	5,871.0	23.5	5.3	-113.97	-547.7	-827.5	819.0	798.4	20.65	39.660	
6,080.0	5,957.8	5,951.7	5,950.3	23.9	5.4	-115.12	-549.9	-828.2	829.4	808.3	21.13	39.247	
6,100.0	5,977.2	5,971.5	5,970.1	23.9	5.4	-115.40	-550.5	-828.4	832.0	810.8	21.25	39.147	
6,175.0	6,050.0	6,044.9	6,043.4	24.3	5.5	-116.43	-552.4	-829.1	842.0	820.2	21.71	38.785	
6,200.0	6,074.2	6,069.2	6,067.7	24.4	5.5	-116.77	-553.0	-829.3	845.3	823.5	21.86	38.669	
6,270.0	6,142.2	6,139.0	6,137.5	24.8	5.5	-117.72	-554.8	-829.9	854.9	832.6	22.30	38.339	
6,300.0	6,171.3	6,169.7	6,168.2	24.9	5.6	-118.13	-555.5	-830.3	859.0	836.5	22.49	38.196	
6,365.0	6,234.3	6,239.2	6,237.7	25.2	5.6	-119.02	-557.0	-831.5	867.7	844.8	22.91	37.876	
6,400.0	6,268.3	6,278.1	6,276.5	25.4	5.7	-119.50	-557.6	-832.4	872.2	849.1	23.14	37.695	
6,460.0	6,326.5	6,337.6	6,336.0	25.7	5.7	-120.21	-558.2	-833.9	879.9	856.4	23.50	37.443	
6,500.0	6,365.3	6,374.9	6,373.3	25.9	5.8	-120.66	-558.7	-834.8	885.1	861.3	23.73	37.300	
6,555.0	6,418.7	6,425.4	6,423.8	26.1	5.8	-121.27	-559.4	-835.8	892.5	868.4	24.05	37.113	
6,600.0	6,462.4	6,465.9	6,464.3	26.3	5.9	-121.76	-560.0	-836.4	898.8	874.5	24.31	36.967	
6,650.0	6,510.9	6,510.6	6,509.0	26.6	5.9	-122.32	-560.8	-836.7	906.1	881.5	24.61	36.814	
6,700.0	6,559.4	6,554.0	6,552.4	26.8	5.9	-122.86	-561.7	-836.7	913.7	888.8	24.92	36.673	
6,745.0	6,603.0	6,593.0	6,591.4	27.0	6.0	-123.36	-562.6	-836.5	920.9	895.7	25.19	36.557	
6,800.0	6,656.4	6,647.6	6,646.0	27.3	6.0	-124.05	-563.9	-835.9	929.9	904.3	25.57	36.367	
6,840.0	6,695.2	6,688.2	6,686.5	27.5	6.1	-124.58	-564.7	-835.2	936.5	910.6	25.86	36.220	
6,900.0	6,753.4	6,744.2	6,742.5	27.8	6.1	-125.31	-565.7	-834.0	946.4	920.1	26.26	36.039	
6,935.0	6,787.4	6,776.2	6,774.5	27.9	6.1	-125.72	-566.4	-833.3	952.3	925.9	26.49	35.947	
7,000.0	6,850.5	6,841.1	6,839.4	28.3	6.2	-126.54	-567.7	-831.9	963.6	936.6	26.96	35.743	
7,030.0	6,879.6	6,872.8	6,871.1	28.4	6.2	-126.93	-568.3	-831.3	968.7	941.6	27.18	35.637	
7,100.0	6,947.5	6,942.4	6,940.7	28.7	6.3	-127.76	-569.4	-830.3	980.7	953.0	27.68	35.429	
7,125.0	6,971.8	6,966.4	6,964.6	28.9	6.3	-128.02	-569.9	-830.1	985.0	957.1	27.85	35.367	
7,200.0	7,044.5	7,037.5	7,035.8	29.2	6.4	-128.79	-571.4	-830.0	998.0	969.7	28.35	35.202	
7,220.0	7,063.9	7,056.3	7,054.5	29.3	6.4	-128.99	-571.9	-829.9	1,001.6	973.1	28.48	35.162	
7,300.0	7,141.6	7,129.4	7,127.6	29.7	6.5	-129.78	-573.4	-829.1	1,016.0	987.0	29.01	35.019	
7,315.0	7,156.1	7,142.6	7,140.8	29.8	6.5	-129.92	-573.7	-828.9	1,018.8	989.7	29.11	34.998	
7,400.0	7,238.6	7,218.6	7,216.7	30.2	6.6	-130.76	-575.6	-827.2	1,035.0	1,005.3	29.67	34.882	
7,410.0	7,248.3	7,228.0	7,226.1	30.2	6.6	-130.86	-575.8	-826.9	1,037.0	1,007.2	29.74	34.865	
7,505.0	7,340.5	7,317.8	7,315.9	30.7	6.7	-131.84	-578.1	-824.5	1,055.7	1,025.3	30.41	34.721	
7,508.6	7,343.9	7,321.2	7,319.3	30.7	6.7	-131.87	-578.1	-824.4	1,056.5	1,026.0	30.43	34.716	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
7,600.0	7,433.0	7,409.4	7,407.4	31.2	6.8	-132.99	-580.5	-822.1	1,073.9	1,042.8	31.06	34.579		
7,695.0	7,526.2	7,497.7	7,495.7	31.6	6.9	-133.94	-583.1	-819.8	1,090.3	1,058.7	31.65	34.453		
7,700.0	7,531.1	7,502.4	7,500.3	31.6	6.9	-133.99	-583.2	-819.7	1,091.2	1,059.5	31.68	34.446		
7,790.0	7,619.9	7,583.0	7,580.9	32.0	6.9	-134.73	-585.8	-817.2	1,105.3	1,073.1	32.14	34.393		
7,800.0	7,629.8	7,591.0	7,588.9	32.1	6.9	-134.79	-586.1	-817.0	1,106.8	1,074.6	32.18	34.393 SF		
7,885.0	7,714.1	7,635.3	7,633.1	32.5	7.0	-135.14	-589.0	-816.5	1,119.9	1,087.6	32.31	34.661		
7,900.0	7,729.0	7,640.7	7,638.5	32.5	7.0	-135.18	-589.6	-816.5	1,122.4	1,090.1	32.32	34.730		
7,980.0	7,808.7	7,678.1	7,675.5	32.8	7.1	-135.36	-594.8	-816.9	1,136.7	1,104.3	32.35	35.131		
8,000.0	7,828.6	7,726.3	7,723.0	32.9	7.1	-135.27	-602.3	-818.5	1,140.1	1,107.5	32.56	35.019		
8,075.0	7,903.5	7,764.6	7,760.7	33.2	7.2	-135.27	-608.6	-820.5	1,152.1	1,119.5	32.53	35.411		
8,100.0	7,928.4	7,781.0	7,776.8	33.3	7.2	-135.23	-611.9	-821.4	1,156.4	1,123.9	32.54	35.538		
8,170.0	7,998.4	7,800.2	7,795.4	33.4	7.3	-135.27	-616.3	-822.5	1,169.3	1,136.9	32.36	36.137		
8,208.6	8,037.0	7,813.0	7,807.8	33.5	7.3	149.63	-619.6	-823.3	1,177.0	1,144.7	32.26	36.483		
8,265.0	8,093.4	7,844.0	7,837.4	33.5	7.4	149.95	-628.6	-825.3	1,189.5	1,157.3	32.13	37.026		
8,300.0	8,128.4	7,844.0	7,837.4	33.5	7.4	149.95	-628.6	-825.3	1,197.9	1,165.9	31.95	37.497		
8,360.0	8,188.4	7,876.0	7,867.3	33.5	7.5	150.32	-639.7	-827.5	1,214.0	1,182.2	31.82	38.157		
8,400.0	8,228.4	7,876.0	7,867.3	33.5	7.5	150.32	-639.7	-827.5	1,225.7	1,194.0	31.63	38.754		
8,455.0	8,283.4	7,895.4	7,885.1	33.5	7.6	150.56	-647.3	-829.0	1,243.1	1,211.6	31.47	39.498		
8,500.0	8,328.4	7,908.0	7,896.5	33.5	7.7	150.73	-652.6	-829.9	1,258.5	1,227.2	31.33	40.163		
8,550.0	8,378.4	7,940.0	7,925.1	33.6	7.7	151.17	-666.7	-832.4	1,276.6	1,245.3	31.25	40.851		
8,600.0	8,428.4	7,952.5	7,936.1	33.6	7.8	151.34	-672.5	-833.4	1,295.5	1,264.4	31.10	41.662		
8,645.0	8,473.4	7,972.0	7,953.1	33.6	7.8	151.63	-681.9	-835.1	1,313.5	1,282.5	30.99	42.380		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor		
0.0	0.0	0.0	0.0	4.2	3.0	135.88	-632.2	613.0	880.8					
95.0	95.0	66.0	66.0	4.3	3.0	135.87	-632.3	613.4	880.9	873.7	7.26	121.340		
100.0	100.0	70.4	70.4	4.3	3.0	135.87	-632.3	613.4	881.0	873.7	7.26	121.303		
190.0	190.0	155.8	155.7	4.3	3.0	135.84	-632.8	614.5	882.2	874.9	7.34	120.152		
200.0	200.0	165.6	165.6	4.4	3.0	135.84	-632.9	614.7	882.4	875.0	7.36	119.965		
285.0	285.0	252.0	252.0	4.4	3.0	135.81	-633.6	615.9	883.7	876.2	7.44	118.795		
300.0	300.0	267.6	267.6	4.4	3.0	135.81	-633.7	616.1	883.9	876.4	7.46	118.549		
380.0	380.0	348.4	348.4	4.5	3.0	135.76	-633.9	617.3	884.9	877.3	7.54	117.370		
400.0	400.0	368.2	368.2	4.5	3.0	135.75	-633.9	617.6	885.1	877.5	7.56	117.050		
475.0	475.0	444.5	444.4	4.6	3.1	135.71	-634.2	618.7	886.0	878.4	7.64	115.924		
500.0	500.0	470.4	470.3	4.6	3.1	135.69	-634.2	619.1	886.3	878.6	7.67	115.520		
570.0	570.0	541.9	541.8	4.7	3.1	135.63	-634.0	620.1	886.9	879.2	7.75	114.454		
600.0	600.0	572.2	572.2	4.7	3.1	135.61	-633.9	620.6	887.1	879.4	7.78	113.983		
665.0	665.0	637.8	637.7	4.8	3.1	135.55	-633.6	621.6	887.6	879.8	7.85	113.009		
700.0	700.0	673.0	673.0	4.8	3.1	135.52	-633.5	622.1	887.9	880.0	7.89	112.470		
760.0	760.0	735.3	735.3	4.9	3.2	135.46	-633.2	623.0	888.3	880.3	7.96	111.602		
800.0	800.0	777.9	777.8	4.9	3.2	135.43	-632.8	623.5	888.4	880.4	8.00	111.004		
855.0	855.0	834.5	834.5	5.0	3.2	135.38	-632.3	624.0	888.4	880.3	8.06	110.275		
900.0	900.0	879.9	879.8	5.0	3.2	135.34	-631.9	624.5	888.4	880.3	8.11	109.601		
950.0	950.0	932.4	932.3	5.1	3.2	135.30	-631.4	624.8	888.3	880.1	8.15	108.967		
1,000.0	1,000.0	986.2	986.1	5.1	3.3	135.27	-630.8	624.9	888.0	879.8	8.20	108.355		
1,045.0	1,045.0	1,032.2	1,032.1	5.1	3.3	135.25	-630.4	624.9	887.6	879.4	8.23	107.829		
1,100.0	1,100.0	1,087.2	1,087.1	5.2	3.3	135.23	-629.8	624.8	887.1	878.9	8.28	107.192		
1,140.0	1,140.0	1,130.4	1,130.3	5.2	3.3	135.21	-629.3	624.6	886.7	878.4	8.31	106.729		
1,200.0	1,200.0	1,197.3	1,197.2	5.3	3.3	135.20	-628.4	624.0	885.7	877.4	8.36	105.979		
1,235.0	1,235.0	1,233.8	1,233.6	5.3	3.3	135.20	-627.9	623.4	885.0	876.6	8.39	105.507		
1,300.0	1,300.0	1,301.1	1,301.0	5.4	3.3	135.24	-627.1	621.9	883.5	875.0	8.45	104.602		
1,330.0	1,330.0	1,329.9	1,329.7	5.4	3.3	135.27	-626.9	621.2	882.8	874.3	8.48	104.159		
1,400.0	1,400.0	1,397.1	1,397.0	5.5	3.3	135.35	-626.8	619.2	881.3	872.7	8.54	103.143		
1,425.0	1,425.0	1,421.3	1,421.2	5.5	3.3	135.38	-626.8	618.5	880.8	872.2	8.57	102.777		
1,500.0	1,500.0	1,494.0	1,493.8	5.6	3.3	135.49	-627.1	616.4	879.4	870.8	8.65	101.695		
1,520.0	1,520.0	1,513.8	1,513.6	5.6	3.3	-149.39	-627.2	615.8	879.1	870.5	8.68	101.326		
1,554.5	1,554.5	1,548.3	1,548.0	5.6	3.3	-149.35	-627.4	614.8	879.0	870.2	8.73	100.670 CC, ES		
1,600.0	1,600.0	1,593.8	1,593.5	5.7	3.3	-149.31	-627.7	613.4	879.3	870.5	8.81	99.783		
1,615.0	1,615.0	1,610.0	1,609.7	5.7	3.3	-149.30	-627.8	612.9	879.5	870.7	8.85	99.429		
1,700.0	1,699.8	1,706.0	1,705.6	5.8	3.3	-149.29	-628.0	609.5	881.5	872.5	9.04	97.463		
1,710.0	1,709.8	1,714.5	1,714.1	5.9	3.3	-149.29	-628.0	609.1	881.8	872.8	9.07	97.235		
1,800.0	1,799.5	1,800.0	1,799.6	6.1	3.3	-149.36	-627.9	606.1	886.4	877.1	9.29	95.382		
1,805.0	1,804.4	1,800.0	1,799.6	6.1	3.3	-149.35	-627.9	606.1	886.8	877.4	9.31	95.294		
1,900.0	1,898.7	1,890.7	1,890.2	6.3	3.3	-149.52	-627.9	603.7	895.1	885.5	9.56	93.625		
1,995.0	1,992.5	1,987.3	1,986.9	6.6	3.3	-149.81	-627.8	601.8	906.5	896.7	9.84	92.154		
2,000.0	1,997.5	1,992.5	1,992.0	6.6	3.3	-149.83	-627.8	601.7	907.2	897.3	9.85	92.079		
2,090.0	2,085.8	2,079.5	2,079.1	6.9	3.4	-150.15	-627.5	600.0	920.5	910.4	10.14	90.817		
2,100.0	2,095.6	2,089.1	2,088.7	6.9	3.4	-150.19	-627.5	599.8	922.2	912.0	10.17	90.688		
2,185.0	2,178.5	2,173.1	2,172.6	7.2	3.4	-150.56	-627.3	598.2	937.4	927.0	10.46	89.625		
2,200.0	2,193.1	2,187.9	2,187.4	7.2	3.4	-150.63	-627.2	597.9	940.3	929.8	10.51	89.452		
2,280.0	2,270.7	2,262.4	2,261.9	7.5	3.4	-151.13	-626.9	596.7	956.2	945.4	10.76	88.845		
2,300.0	2,290.1	2,280.8	2,280.3	7.5	3.5	-151.25	-626.8	596.5	960.2	949.4	10.83	88.696		
2,375.0	2,362.9	2,348.4	2,347.9	7.8	3.5	-151.70	-626.7	595.8	975.6	964.5	11.07	88.134		
2,400.0	2,387.1	2,370.7	2,370.2	7.8	3.5	-151.85	-626.7	595.6	980.9	969.7	11.15	87.960		
2,470.0	2,455.0	2,436.0	2,435.5	8.1	3.5	-152.26	-627.0	595.2	995.8	984.4	11.39	87.446		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7056-MWD											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)		
2,500.0	2,484.1	2,465.0	2,464.5	8.2	3.5	-152.44	-627.1	595.0	1,002.2	990.7	11.49	87.231
2,565.0	2,547.2	2,527.5	2,527.0	8.4	3.6	-152.81	-627.5	594.6	1,016.2	1,004.5	11.72	86.735
2,600.0	2,581.2	2,560.7	2,560.2	8.5	3.6	-153.00	-627.8	594.4	1,023.8	1,011.9	11.84	86.477
2,660.0	2,639.4	2,618.7	2,618.2	8.7	3.6	-153.33	-628.3	594.0	1,036.8	1,024.8	12.06	85.999
2,700.0	2,678.2	2,658.7	2,658.2	8.8	3.6	-153.54	-628.6	593.7	1,045.5	1,033.3	12.20	85.667
2,755.0	2,731.6	2,713.4	2,712.9	9.0	3.7	-153.82	-629.2	593.1	1,057.5	1,045.0	12.41	85.180
2,800.0	2,775.2	2,757.0	2,756.5	9.2	3.7	-154.04	-629.7	592.6	1,067.2	1,054.6	12.59	84.781
2,850.0	2,823.7	2,805.5	2,805.0	9.4	3.7	-154.29	-630.1	592.1	1,078.1	1,065.3	12.79	84.318
2,900.0	2,872.3	2,854.4	2,853.9	9.6	3.7	-154.53	-630.5	591.6	1,088.9	1,075.9	12.99	83.856
2,945.0	2,915.9	2,898.4	2,897.9	9.8	3.8	-154.74	-630.9	591.1	1,098.7	1,085.5	13.17	83.424
3,000.0	2,969.3	2,950.2	2,949.6	10.0	3.8	-154.99	-631.4	590.6	1,110.7	1,097.3	13.39	82.943
3,040.0	3,008.1	2,987.7	2,987.2	10.1	3.8	-155.16	-631.8	590.2	1,119.5	1,106.0	13.56	82.579
3,100.0	3,066.3	3,049.2	3,048.6	10.4	3.9	-155.44	-632.5	589.6	1,132.7	1,118.9	13.82	81.967
3,135.0	3,100.3	3,085.8	3,085.2	10.5	3.9	-155.61	-632.7	589.3	1,140.3	1,126.4	13.97	81.599
3,200.0	3,163.4	3,145.6	3,145.0	10.8	3.9	-155.89	-632.9	588.8	1,154.5	1,140.2	14.25	81.007
3,230.0	3,192.5	3,172.2	3,171.6	10.9	4.0	-156.01	-633.1	588.6	1,161.1	1,146.7	14.38	80.748
3,300.0	3,260.4	3,237.3	3,236.8	11.2	4.0	-156.30	-633.7	588.3	1,176.8	1,162.1	14.68	80.169
3,325.0	3,284.6	3,261.6	3,261.0	11.3	4.0	-156.40	-633.9	588.2	1,182.4	1,167.6	14.79	79.964
3,400.0	3,357.4	3,335.1	3,334.5	11.6	4.1	-156.72	-634.5	588.0	1,199.3	1,184.2	15.12	79.344
3,420.0	3,376.8	3,355.0	3,354.4	11.7	4.1	-156.81	-634.6	587.9	1,203.8	1,188.6	15.20	79.173
3,500.0	3,454.4	3,434.5	3,433.9	12.0	4.1	-157.14	-635.1	587.6	1,221.7	1,206.2	15.57	78.475
3,515.0	3,469.0	3,449.3	3,448.7	12.1	4.2	-157.21	-635.2	587.5	1,225.1	1,209.5	15.64	78.338
3,600.0	3,551.5	3,536.1	3,535.5	12.4	4.2	-157.57	-635.4	587.2	1,244.0	1,228.0	16.05	77.518
3,610.0	3,561.2	3,546.8	3,546.2	12.5	4.2	-157.62	-635.4	587.1	1,246.2	1,230.1	16.10	77.411
3,700.0	3,648.5	3,638.7	3,638.2	12.9	4.3	-157.99	-635.3	586.3	1,265.8	1,249.3	16.55	76.471
3,705.0	3,653.3	3,643.6	3,643.0	12.9	4.3	-158.01	-635.3	586.3	1,266.9	1,250.3	16.58	76.421
3,800.0	3,745.5	3,732.7	3,732.1	13.3	4.4	-158.36	-635.2	585.5	1,287.6	1,270.6	17.05	75.512
3,895.0	3,837.7	3,819.8	3,819.2	13.7	4.5	-158.70	-635.2	585.2	1,308.8	1,291.3	17.53	74.679
3,900.0	3,842.6	3,824.8	3,824.2	13.8	4.5	-158.72	-635.2	585.2	1,309.9	1,292.4	17.55	74.632 SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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
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		
6,300.0	6,171.3	6,189.8	6,189.5	24.9	6.3	-55.58	-569.4	-2,050.5	1,317.7	1,294.5	23.16	56.893		
6,365.0	6,234.3	6,256.2	6,255.9	25.2	6.4	-56.20	-570.5	-2,050.3	1,309.3	1,286.0	23.26	56.286		
6,400.0	6,268.3	6,292.8	6,292.5	25.4	6.4	-56.54	-570.9	-2,050.3	1,304.7	1,281.4	23.31	55.966		
6,460.0	6,326.5	6,348.3	6,348.0	25.7	6.4	-57.05	-571.2	-2,050.5	1,297.0	1,273.6	23.42	55.373		
6,500.0	6,365.3	6,384.9	6,384.6	25.9	6.5	-57.36	-571.1	-2,051.0	1,292.0	1,268.5	23.50	54.980		
6,555.0	6,418.7	6,440.1	6,439.8	26.1	6.4	-57.82	-570.6	-2,052.1	1,285.2	1,261.6	23.60	54.467		
6,600.0	6,462.4	6,487.0	6,486.7	26.3	6.4	-58.20	-570.0	-2,053.1	1,279.6	1,255.9	23.67	54.060		
6,650.0	6,510.9	6,537.6	6,537.3	26.6	6.4	-58.61	-569.2	-2,054.2	1,273.3	1,249.6	23.76	53.601		
6,700.0	6,559.4	6,587.8	6,587.4	26.8	6.4	-59.02	-568.2	-2,055.3	1,267.1	1,243.3	23.84	53.146		
6,745.0	6,603.0	6,629.3	6,628.9	27.0	6.4	-59.35	-567.3	-2,056.3	1,261.5	1,237.6	23.93	52.725		
6,800.0	6,656.4	6,678.5	6,678.1	27.3	6.4	-59.75	-566.3	-2,057.7	1,255.0	1,230.9	24.03	52.222		
6,840.0	6,695.2	6,716.1	6,715.6	27.5	6.4	-60.05	-565.6	-2,058.8	1,250.4	1,226.3	24.10	51.877		
6,900.0	6,753.4	6,776.4	6,775.9	27.8	6.4	-60.55	-564.5	-2,060.6	1,243.5	1,219.3	24.20	51.388		
6,935.0	6,787.4	6,811.8	6,811.3	27.9	6.4	-60.84	-563.8	-2,061.6	1,239.5	1,215.2	24.25	51.110		
7,000.0	6,850.5	6,878.4	6,877.9	28.3	6.4	-61.39	-562.3	-2,063.5	1,232.0	1,207.7	24.35	50.603		
7,030.0	6,879.6	6,909.7	6,909.1	28.4	6.4	-61.64	-561.6	-2,064.4	1,228.5	1,204.1	24.39	50.374		
7,100.0	6,947.5	6,985.2	6,984.6	28.7	6.3	-62.27	-559.4	-2,066.5	1,220.3	1,195.8	24.48	49.850		
7,125.0	6,971.8	7,011.1	7,010.5	28.9	6.3	-62.48	-558.6	-2,067.1	1,217.2	1,192.7	24.51	49.658		
7,200.0	7,044.5	7,084.6	7,083.9	29.2	6.3	-63.11	-556.4	-2,068.7	1,208.2	1,183.6	24.61	49.086		
7,220.0	7,063.9	7,103.9	7,103.2	29.3	6.3	-63.28	-555.9	-2,069.1	1,205.9	1,181.2	24.64	48.939		
7,300.0	7,141.6	7,178.4	7,177.7	29.7	6.3	-63.98	-554.5	-2,070.1	1,196.6	1,171.9	24.74	48.368		
7,315.0	7,156.1	7,192.4	7,191.6	29.8	6.3	-64.11	-554.3	-2,070.2	1,194.9	1,170.2	24.76	48.267		
7,400.0	7,238.6	7,266.2	7,265.5	30.2	6.4	-64.86	-553.9	-2,070.7	1,185.8	1,161.0	24.86	47.701		
7,410.0	7,248.3	7,274.8	7,274.1	30.2	6.4	-64.95	-553.9	-2,070.7	1,184.8	1,160.0	24.87	47.638		
7,505.0	7,340.5	7,362.0	7,361.3	30.7	6.4	-65.89	-554.5	-2,071.1	1,175.8	1,150.8	24.94	47.144		
7,508.6	7,343.9	7,365.6	7,364.9	30.7	6.4	-65.93	-554.5	-2,071.1	1,175.5	1,150.5	24.94	47.130		
7,600.0	7,433.0	7,443.6	7,442.9	31.2	6.4	-66.62	-555.6	-2,071.2	1,168.0	1,143.0	25.00	46.715		
7,695.0	7,526.2	7,484.8	7,484.0	31.6	6.4	-67.01	-557.8	-2,070.7	1,164.3	1,139.1	25.25	46.106		
7,700.0	7,531.1	7,486.6	7,485.7	31.6	6.5	-67.02	-558.0	-2,070.7	1,164.3	1,139.0	25.27	46.074		
7,704.6	7,535.6	7,488.1	7,487.3	31.6	6.5	-67.04	-558.1	-2,070.7	1,164.3	1,139.0	25.29	46.047 CC, ES		
7,790.0	7,619.9	7,515.3	7,514.2	32.0	6.5	-67.41	-561.5	-2,070.3	1,166.9	1,141.3	25.62	45.554		
7,800.0	7,629.8	7,518.2	7,517.2	32.1	6.6	-67.45	-562.0	-2,070.2	1,167.6	1,141.9	25.66	45.502		
7,885.0	7,714.1	7,543.5	7,541.9	32.5	6.7	-67.91	-566.9	-2,069.9	1,176.2	1,150.1	26.03	45.181		
7,900.0	7,729.0	7,547.9	7,546.2	32.5	6.7	-68.00	-567.8	-2,069.9	1,178.2	1,152.1	26.10	45.140		
7,980.0	7,808.7	7,573.9	7,571.4	32.8	6.8	-68.56	-574.4	-2,069.8	1,191.9	1,165.4	26.44	45.070 SF		
8,000.0	7,828.6	7,581.4	7,578.5	32.9	6.8	-68.72	-576.5	-2,069.8	1,195.9	1,169.4	26.53	45.085		
8,075.0	7,903.5	7,607.9	7,603.9	33.2	6.9	-69.34	-584.3	-2,070.2	1,213.4	1,186.6	26.82	45.244		
8,100.0	7,928.4	7,626.0	7,621.0	33.3	6.9	-69.63	-590.1	-2,070.9	1,220.2	1,193.3	26.89	45.381		
8,170.0	7,998.4	7,639.7	7,633.9	33.4	6.9	-70.15	-594.6	-2,071.6	1,240.6	1,213.4	27.19	45.620		
8,208.6	8,037.0	7,658.0	7,651.0	33.5	6.9	-145.62	-601.1	-2,072.8	1,253.2	1,225.9	27.33	45.847		
8,265.0	8,093.4	7,670.6	7,662.6	33.5	7.0	-145.71	-605.8	-2,073.7	1,273.0	1,245.4	27.55	46.200		
8,300.0	8,128.4	7,690.0	7,680.4	33.5	7.0	-145.87	-613.6	-2,075.1	1,286.0	1,258.4	27.65	46.509		
8,360.0	8,188.4	7,690.0	7,680.4	33.5	7.0	-145.87	-613.6	-2,075.1	1,309.5	1,281.6	27.91	46.919		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,880.0	9,708.4	15,385.0	10,481.8	33.9	91.3	144.08	-444.5	-812.4	1,275.8	1,189.7	86.13	14.812	
9,900.0	9,728.4	15,385.0	10,481.8	33.9	91.3	144.08	-444.5	-812.4	1,263.7	1,177.2	86.46	14.616	
9,934.6	9,763.0	15,385.0	10,481.8	33.9	91.3	144.08	-444.5	-812.4	1,243.2	1,155.9	87.28	14.243	
9,950.0	9,778.4	15,385.0	10,481.8	33.9	91.3	144.81	-444.5	-812.4	1,234.5	1,147.0	87.53	14.104	
9,975.0	9,803.4	15,385.0	10,481.8	33.9	91.3	145.71	-444.5	-812.4	1,221.1	1,133.2	87.91	13.891	
10,000.0	9,828.3	15,385.0	10,481.8	33.9	91.3	146.48	-444.5	-812.4	1,209.0	1,120.7	88.27	13.697	
10,050.0	9,877.6	15,385.0	10,481.8	33.9	91.3	147.72	-444.5	-812.4	1,188.3	1,099.4	88.88	13.370	
10,070.0	9,897.2	15,385.0	10,481.8	33.9	91.3	148.11	-444.5	-812.4	1,181.5	1,092.4	89.08	13.263	
10,100.0	9,926.1	15,385.0	10,481.8	33.9	91.3	148.58	-444.5	-812.4	1,172.9	1,083.5	89.33	13.130	
10,150.0	9,973.4	15,385.0	10,481.8	33.9	91.3	149.10	-444.5	-812.4	1,163.0	1,073.4	89.60	12.981	
10,165.0	9,987.3	15,385.0	10,481.8	34.0	91.3	149.19	-444.5	-812.4	1,161.2	1,071.6	89.64	12.954	
10,200.0	10,019.0	15,385.0	10,481.8	34.0	91.3	149.30	-444.5	-812.4	1,159.0	1,069.4	89.67	12.926 SF	
10,209.1	10,027.2	15,385.0	10,481.8	34.0	91.3	149.31	-444.5	-812.4	1,158.9	1,069.3	89.65	12.927 CC, ES	
10,250.0	10,062.7	15,385.0	10,481.8	34.0	91.3	149.21	-444.5	-812.4	1,160.9	1,071.4	89.53	12.967	
10,260.0	10,071.2	15,385.0	10,481.8	34.0	91.3	149.15	-444.5	-812.4	1,162.0	1,072.5	89.47	12.987	
10,300.0	10,104.2	15,385.0	10,481.8	34.0	91.3	148.80	-444.5	-812.4	1,168.6	1,079.4	89.18	13.104	
10,350.0	10,143.0	15,385.0	10,481.8	34.0	91.3	148.07	-444.5	-812.4	1,182.0	1,093.4	88.66	13.332	
10,355.0	10,146.7	15,385.0	10,481.8	34.0	91.3	147.98	-444.5	-812.4	1,183.7	1,095.1	88.60	13.360	
10,400.0	10,178.9	15,385.0	10,481.8	34.0	91.3	146.98	-444.5	-812.4	1,200.8	1,112.9	87.97	13.650	
10,450.0	10,211.7	15,385.0	10,481.8	34.0	91.3	145.48	-444.5	-812.4	1,224.6	1,137.5	87.16	14.050	
10,500.0	10,241.0	15,385.0	10,481.8	34.0	91.3	143.47	-444.5	-812.4	1,253.0	1,166.7	86.26	14.525	
10,545.0	10,264.3	15,385.0	10,481.8	34.1	91.3	141.16	-444.5	-812.4	1,281.9	1,196.6	85.40	15.012	
10,550.0	10,266.8	15,385.0	10,481.8	34.1	91.3	140.86	-444.5	-812.4	1,285.4	1,200.1	85.30	15.069	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		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	5.0	5.0	3.0	3.0	-90.26	-1.3	-295.1	295.1						
95.0	95.0	96.4	96.4	3.0	3.0	-90.32	-1.7	-295.7	295.7	289.7	6.02	49.083			
100.0	100.0	101.2	101.2	3.0	3.0	-90.33	-1.7	-295.7	295.8	289.7	6.03	49.065			
190.0	190.0	192.9	192.8	3.1	3.0	-90.44	-2.3	-297.0	297.0	290.9	6.14	48.384			
200.0	200.0	203.6	203.6	3.2	3.0	-90.44	-2.3	-297.1	297.1	290.9	6.16	48.261			
285.0	285.0	293.1	293.1	3.3	3.0	-90.29	-1.5	-296.8	296.9	290.6	6.26	47.455			
300.0	300.0	308.5	308.5	3.3	3.0	-90.25	-1.3	-296.7	296.7	290.4	6.28	47.280			
380.0	380.0	389.2	389.2	3.4	3.0	-90.03	-0.1	-295.7	295.7	289.4	6.37	46.451			
400.0	400.0	409.3	409.3	3.4	3.0	-90.00	0.0	-295.4	295.5	289.1	6.39	46.227			
475.0	475.0	485.3	485.3	3.5	3.0	-90.03	-0.2	-294.3	294.3	287.9	6.48	45.438			
500.0	500.0	510.2	510.2	3.5	3.0	-90.07	-0.4	-293.9	293.9	287.4	6.51	45.157			
570.0	570.0	579.8	579.7	3.6	3.0	-90.18	-0.9	-292.8	292.8	286.2	6.59	44.436			
600.0	600.0	609.2	609.1	3.6	3.0	-90.23	-1.2	-292.3	292.4	285.7	6.63	44.121			
665.0	665.0	671.1	671.0	3.7	3.0	-90.30	-1.5	-291.8	291.8	285.1	6.70	43.541			
676.0	676.0	681.3	681.2	3.7	3.0	-90.32	-1.6	-291.8	291.8	285.1	6.72	43.457			
700.0	700.0	703.5	703.4	3.8	3.0	-90.35	-1.8	-291.9	291.9	285.2	6.74	43.294			
760.0	760.0	761.4	761.3	3.8	3.0	-90.43	-2.2	-292.4	292.4	285.6	6.81	42.966			
800.0	800.0	800.8	800.7	3.9	3.0	-90.49	-2.5	-293.0	293.0	286.2	6.85	42.787			
855.0	855.0	856.7	856.6	4.0	3.1	-90.57	-2.9	-293.8	293.8	286.9	6.91	42.534			
900.0	900.0	901.1	901.0	4.0	3.1	-90.62	-3.2	-294.4	294.4	287.5	6.96	42.316			
950.0	950.0	952.7	952.6	4.1	3.1	-90.68	-3.5	-295.0	295.1	288.1	7.01	42.080			
1,000.0	1,000.0	1,017.4	1,017.3	4.1	3.1	-90.99	-5.1	-294.0	294.2	287.2	7.07	41.642			
1,045.0	1,045.0	1,071.9	1,071.7	4.2	3.1	-91.46	-7.4	-291.0	291.9	284.8	7.11	41.073			
1,100.0	1,100.0	1,137.3	1,136.6	4.3	3.1	-92.30	-11.4	-284.4	286.4	279.2	7.15	40.033			
1,140.0	1,140.0	1,177.2	1,176.1	4.3	3.1	-92.87	-14.0	-280.0	282.0	274.8	7.20	39.175			
1,200.0	1,200.0	1,236.5	1,235.0	4.4	3.1	-93.74	-17.9	-273.3	275.5	268.2	7.27	37.904			
1,235.0	1,235.0	1,270.4	1,268.6	4.4	3.1	-94.26	-20.1	-269.5	271.8	264.5	7.31	37.180			
1,300.0	1,300.0	1,334.6	1,332.2	4.5	3.2	-95.26	-24.2	-262.6	265.1	257.7	7.39	35.895			
1,330.0	1,330.0	1,364.3	1,361.7	4.5	3.2	-95.73	-26.0	-259.4	262.1	254.7	7.42	35.314			
1,400.0	1,400.0	1,440.0	1,436.8	4.6	3.2	-96.93	-30.5	-250.8	254.6	247.1	7.49	33.982			
1,425.0	1,425.0	1,466.4	1,463.0	4.6	3.2	-97.32	-31.8	-247.2	251.4	243.9	7.52	33.433			
1,500.0	1,500.0	1,541.0	1,536.8	4.7	3.2	-98.43	-35.1	-237.0	241.6	234.0	7.61	31.748			
1,520.0	1,520.0	1,560.6	1,556.2	4.7	3.3	-23.67	-36.0	-234.3	239.0	231.3	7.65	31.217			
1,600.0	1,600.0	1,638.7	1,633.5	4.8	3.3	-25.11	-39.0	-223.8	227.3	219.5	7.83	29.041			
1,615.0	1,615.0	1,653.2	1,647.8	4.9	3.3	-25.41	-39.6	-221.9	225.0	217.1	7.87	28.576			
1,700.0	1,699.8	1,736.3	1,730.2	5.0	3.3	-27.41	-42.5	-211.1	210.6	202.5	8.13	25.922			
1,710.0	1,709.8	1,746.1	1,739.8	5.0	3.3	-27.68	-42.8	-209.9	208.8	200.6	8.16	25.604			
1,800.0	1,799.5	1,832.9	1,825.9	5.3	3.4	-30.63	-46.0	-198.9	191.6	183.2	8.42	22.751			
1,805.0	1,804.4	1,837.8	1,830.8	5.3	3.4	-30.83	-46.2	-198.3	190.6	182.2	8.44	22.593			
1,900.0	1,898.7	1,930.0	1,922.2	5.6	3.4	-35.18	-49.5	-186.8	170.6	161.9	8.71	19.588			
1,995.0	1,992.5	2,021.7	2,013.1	5.9	3.5	-41.39	-52.5	-175.0	148.9	139.9	8.95	16.630			
2,000.0	1,997.5	2,026.5	2,017.9	5.9	3.5	-41.79	-52.6	-174.4	147.7	138.7	8.96	16.479			
2,090.0	2,085.8	2,111.0	2,101.7	6.2	3.6	-50.23	-55.3	-163.8	127.4	118.3	9.14	13.931			
2,100.0	2,095.6	2,120.5	2,111.0	6.2	3.6	-51.37	-55.6	-162.7	125.3	116.1	9.16	13.675			
2,185.0	2,178.5	2,200.0	2,190.0	6.5	3.6	-63.01	-58.0	-153.2	108.7	99.5	9.24	11.760			
2,200.0	2,193.1	2,214.2	2,204.1	6.6	3.6	-65.51	-58.5	-151.5	106.3	97.0	9.25	11.487			
2,280.0	2,270.7	2,287.3	2,276.3	6.8	3.7	-80.80	-62.1	-141.4	97.7	88.4	9.31	10.501			
2,300.0	2,290.1	2,305.6	2,294.4	6.9	3.7	-85.11	-63.3	-138.6	97.2	87.8	9.34	10.400			
2,307.2	2,297.1	2,312.3	2,301.0	6.9	3.7	-86.68	-63.7	-137.5	97.1	87.8	9.36	10.376 CC, ES, SF			
2,375.0	2,362.9	2,374.2	2,361.9	7.2	3.7	-101.28	-67.8	-127.4	100.9	91.3	9.62	10.489			
2,400.0	2,387.1	2,397.0	2,384.4	7.2	3.8	-106.34	-69.4	-123.6	104.2	94.4	9.76	10.674			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
2,470.0	2,455.0	2,461.0	2,447.3	7.5	3.8	-118.85	-73.7	-113.0	117.7	107.5	10.20	11.537		
2,500.0	2,484.1	2,489.0	2,474.9	7.6	3.8	-123.43	-75.5	-108.5	124.9	114.5	10.40	12.010		
2,565.0	2,547.2	2,550.4	2,535.5	7.8	3.9	-131.65	-79.2	-99.3	142.3	131.5	10.83	13.144		
2,600.0	2,581.2	2,583.7	2,568.5	7.9	3.9	-135.23	-81.0	-94.8	152.4	141.3	11.05	13.788		
2,660.0	2,639.4	2,640.3	2,624.5	8.2	3.9	-140.10	-84.3	-87.8	170.2	158.8	11.40	14.926		
2,700.0	2,678.2	2,677.9	2,661.8	8.3	4.0	-142.62	-86.7	-83.7	182.5	170.9	11.62	15.699		
2,755.0	2,731.6	2,729.6	2,713.1	8.5	4.0	-145.58	-90.0	-78.2	199.8	187.9	11.92	16.761		
2,800.0	2,775.2	2,771.5	2,754.7	8.7	4.1	-147.62	-92.7	-73.7	214.2	202.0	12.16	17.620		
2,850.0	2,823.7	2,818.3	2,801.1	8.9	4.1	-149.63	-95.6	-68.7	230.5	218.0	12.42	18.560		
2,900.0	2,872.3	2,866.0	2,848.4	9.1	4.1	-151.42	-98.5	-63.6	246.9	234.2	12.68	19.464		
2,945.0	2,915.9	2,909.3	2,891.4	9.3	4.2	-152.86	-101.0	-59.1	261.6	248.7	12.93	20.238		
3,000.0	2,969.3	2,962.1	2,943.9	9.5	4.2	-154.44	-103.7	-53.8	279.5	266.3	13.22	21.144		
3,040.0	3,008.1	2,999.7	2,981.3	9.7	4.2	-155.44	-105.6	-50.0	292.6	279.2	13.43	21.791		
3,100.0	3,066.3	3,057.9	3,039.2	9.9	4.3	-156.82	-108.5	-44.3	312.2	298.4	13.75	22.699		
3,135.0	3,100.3	3,091.9	3,072.9	10.1	4.3	-157.56	-110.0	-41.2	323.4	309.5	13.94	23.201		
3,200.0	3,163.4	3,153.3	3,134.0	10.3	4.4	-158.77	-112.7	-35.5	344.4	330.1	14.28	24.118		
3,230.0	3,192.5	3,179.7	3,160.2	10.5	4.4	-159.24	-113.9	-33.1	354.1	339.7	14.42	24.557		
3,300.0	3,260.4	3,238.2	3,218.3	10.8	4.5	-160.19	-117.1	-26.8	378.1	363.4	14.73	25.674		
3,325.0	3,284.6	3,261.2	3,241.2	10.9	4.5	-160.54	-118.5	-24.3	386.8	372.0	14.85	26.042		
3,400.0	3,357.4	3,331.8	3,311.2	11.2	4.6	-161.53	-122.5	-16.4	413.1	397.9	15.25	27.092		
3,420.0	3,376.8	3,351.1	3,330.4	11.3	4.6	-161.78	-123.6	-14.2	420.1	404.7	15.36	27.353		
3,500.0	3,454.4	3,431.5	3,410.2	11.6	4.7	-162.76	-127.7	-5.5	447.7	431.9	15.82	28.302		
3,515.0	3,469.0	3,446.7	3,425.3	11.7	4.7	-162.94	-128.4	-4.0	452.8	436.9	15.91	28.464		
3,600.0	3,551.5	3,528.1	3,506.2	12.1	4.7	-163.81	-131.9	3.9	481.1	464.7	16.37	29.393		
3,610.0	3,561.2	3,535.8	3,513.8	12.1	4.8	-163.88	-132.2	4.6	484.5	468.1	16.41	29.525		
3,700.0	3,648.5	3,600.0	3,577.5	12.5	4.8	-164.41	-136.5	11.9	516.8	500.0	16.73	30.883		
3,705.0	3,653.3	3,601.8	3,579.3	12.5	4.8	-164.42	-136.6	12.2	518.6	501.9	16.74	30.990		
3,800.0	3,745.5	3,691.5	3,668.0	13.0	4.9	-165.03	-143.7	23.7	554.5	537.3	17.25	32.153		
3,895.0	3,837.7	3,781.0	3,756.5	13.4	5.0	-165.58	-150.4	35.1	590.3	572.5	17.76	33.236		
3,900.0	3,842.6	3,785.7	3,761.1	13.4	5.0	-165.60	-150.8	35.7	592.2	574.4	17.79	33.291		
3,990.0	3,929.9	3,870.5	3,845.0	13.8	5.1	-166.10	-156.7	46.5	625.8	607.5	18.28	34.240		
4,000.0	3,939.6	3,880.0	3,854.4	13.9	5.1	-166.15	-157.4	47.7	629.5	611.2	18.33	34.340		
4,085.0	4,022.1	3,962.7	3,936.3	14.3	5.2	-166.62	-162.7	58.1	661.0	642.2	18.82	35.130		
4,100.0	4,036.6	3,977.8	3,951.2	14.3	5.2	-166.71	-163.6	59.9	666.5	647.6	18.91	35.255		
4,180.0	4,114.2	4,055.9	4,028.6	14.7	5.3	-167.14	-167.9	69.4	695.6	676.3	19.37	35.921		
4,200.0	4,133.6	4,075.9	4,048.5	14.8	5.3	-167.25	-168.9	71.8	702.8	683.4	19.48	36.072		
4,275.0	4,206.4	4,138.5	4,110.5	15.1	5.4	-167.56	-172.4	79.4	730.1	710.3	19.84	36.797		
4,300.0	4,230.7	4,158.7	4,130.6	15.3	5.4	-167.63	-173.9	81.8	739.4	719.4	19.96	37.052		
4,370.0	4,298.6	4,225.1	4,196.3	15.6	5.5	-167.84	-178.9	89.9	765.5	745.2	20.34	37.628		
4,400.0	4,327.7	4,255.2	4,226.0	15.7	5.5	-167.93	-181.2	93.5	776.6	756.1	20.52	37.842		
4,465.0	4,390.8	4,319.8	4,290.1	16.0	5.6	-168.12	-185.7	100.9	800.3	779.4	20.91	38.283		
4,500.0	4,424.7	4,354.9	4,324.8	16.2	5.6	-168.23	-188.0	104.8	813.0	791.9	21.11	38.505		
4,560.0	4,483.0	4,413.5	4,382.9	16.5	5.7	-168.39	-191.8	111.3	834.6	813.1	21.46	38.885		
4,600.0	4,521.8	4,452.2	4,421.4	16.6	5.7	-168.50	-194.3	115.5	848.8	827.2	21.69	39.132		
4,655.0	4,575.1	4,506.3	4,475.0	16.9	5.8	-168.66	-197.6	121.3	868.4	846.4	22.01	39.448		
4,700.0	4,618.8	4,555.2	4,523.6	17.1	5.8	-168.80	-200.4	126.4	884.2	861.9	22.31	39.635		
4,750.0	4,667.3	4,601.8	4,570.0	17.3	5.9	-168.92	-203.0	130.9	901.4	878.8	22.59	39.912		
4,800.0	4,715.8	4,651.7	4,619.5	17.6	5.9	-169.06	-205.6	135.8	918.7	895.8	22.88	40.147		
4,845.0	4,759.5	4,687.7	4,655.2	17.8	6.0	-169.15	-207.6	139.4	934.2	911.1	23.09	40.453		
4,900.0	4,812.9	4,726.8	4,694.1	18.0	6.0	-169.24	-210.0	143.6	953.9	930.5	23.32	40.904		
4,940.0	4,851.7	4,762.3	4,729.2	18.2	6.1	-169.32	-212.3	147.7	968.4	944.9	23.53	41.155		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP											Offset Site Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor	
5,000.0	4,909.9	4,819.1	4,785.6	18.5	6.1	-169.45	-215.9	154.3	990.3	966.4	23.87	41.483
5,035.0	4,943.8	4,852.5	4,818.6	18.7	6.2	-169.52	-218.1	158.1	1,003.0	978.9	24.07	41.665
5,100.0	5,006.9	4,917.2	4,882.8	19.0	6.2	-169.65	-222.1	165.3	1,026.4	1,001.9	24.46	41.956
5,130.0	5,036.0	4,953.1	4,918.4	19.1	6.3	-169.73	-224.1	169.2	1,037.0	1,012.4	24.68	42.015
5,200.0	5,103.9	5,037.1	5,002.0	19.5	6.4	-169.91	-228.3	177.2	1,060.9	1,035.7	25.19	42.107
5,225.0	5,128.2	5,065.8	5,030.5	19.6	6.4	-169.98	-229.6	179.7	1,069.2	1,043.8	25.37	42.148
5,300.0	5,201.0	5,145.9	5,110.3	19.9	6.5	-170.15	-232.8	186.2	1,093.6	1,067.7	25.85	42.300
5,320.0	5,220.4	5,166.4	5,130.7	20.0	6.5	-170.19	-233.6	187.8	1,100.0	1,074.0	25.98	42.346
5,400.0	5,298.0	5,255.1	5,219.1	20.4	6.6	-170.36	-237.0	194.1	1,125.3	1,098.8	26.51	42.447
5,415.0	5,312.6	5,268.8	5,232.8	20.5	6.6	-170.39	-237.5	195.0	1,130.0	1,103.4	26.59	42.489
5,500.0	5,395.0	5,351.6	5,315.4	20.9	6.7	-170.55	-240.3	200.6	1,156.5	1,129.4	27.10	42.680
5,510.0	5,404.7	5,364.3	5,328.1	20.9	6.7	-170.57	-240.7	201.4	1,159.5	1,132.4	27.17	42.673
5,600.0	5,492.1	5,516.4	5,480.0	21.4	6.9	-170.90	-242.2	205.9	1,183.0	1,155.0	28.05	42.175
5,605.0	5,496.9	5,521.3	5,484.9	21.4	6.9	-170.91	-242.2	206.0	1,184.3	1,156.2	28.08	42.176
5,700.0	5,589.1	5,610.8	5,574.4	21.8	7.0	-171.09	-242.6	207.4	1,208.5	1,179.8	28.63	42.216
5,795.0	5,681.3	5,701.4	5,665.0	22.3	7.1	-171.25	-243.2	208.9	1,232.8	1,203.6	29.18	42.250
5,800.0	5,686.1	5,706.2	5,669.9	22.3	7.1	-171.26	-243.2	209.0	1,234.1	1,204.9	29.21	42.251
5,890.0	5,773.4	5,787.9	5,751.5	22.8	7.2	-171.41	-243.8	210.5	1,257.3	1,227.6	29.71	42.317
5,900.0	5,783.1	5,798.5	5,762.1	22.8	7.2	-171.43	-243.8	210.7	1,259.9	1,230.2	29.78	42.314
5,985.0	5,865.6	5,930.0	5,893.6	23.2	7.3	-171.62	-244.6	211.3	1,281.1	1,250.7	30.46	42.063
6,000.0	5,880.2	5,942.9	5,906.5	23.3	7.3	-171.64	-244.6	211.1	1,284.5	1,254.0	30.52	42.086
6,080.0	5,957.8	6,017.5	5,981.1	23.7	7.3	-171.72	-245.0	209.8	1,302.5	1,271.6	30.88	42.183
6,100.0	5,977.2	6,039.4	6,002.9	23.8	7.3	-171.74	-245.2	209.3	1,307.0	1,276.0	30.98	42.190

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)			
0.0	0.0	6.4	6.4	3.0	3.0	-90.26	-1.5	-325.0	325.0					
95.0	95.0	104.2	104.2	3.0	3.0	-90.31	-1.8	-324.6	324.6	318.5	6.02	53.873		
100.0	100.0	109.3	109.2	3.0	3.0	-90.32	-1.8	-324.5	324.5	318.5	6.03	53.832		
190.0	190.0	199.8	199.8	3.1	3.0	-90.41	-2.3	-323.5	323.5	317.4	6.14	52.707		
200.0	200.0	209.9	209.9	3.2	3.0	-90.41	-2.3	-323.4	323.4	317.3	6.16	52.543		
285.0	285.0	294.7	294.6	3.3	3.0	-90.49	-2.8	-322.4	322.5	316.2	6.26	51.500		
300.0	300.0	309.5	309.5	3.3	3.0	-90.51	-2.9	-322.3	322.3	316.0	6.28	51.301		
380.0	380.0	386.8	386.8	3.4	3.0	-90.67	-3.8	-321.8	321.8	315.4	6.38	50.439		
390.1	390.1	396.3	396.3	3.4	3.0	-90.70	-3.9	-321.8	321.8	315.4	6.39	50.337		
400.0	400.0	406.0	405.9	3.4	3.0	-90.73	-4.1	-321.8	321.8	315.4	6.41	50.240		
475.0	475.0	480.5	480.5	3.5	3.0	-90.96	-5.4	-321.8	321.9	315.4	6.49	49.591		
500.0	500.0	504.0	504.0	3.5	3.0	-91.02	-5.7	-321.9	322.0	315.5	6.52	49.387		
570.0	570.0	571.0	570.9	3.6	3.0	-91.05	-5.9	-322.7	322.8	316.2	6.59	48.961		
600.0	600.0	600.0	599.9	3.6	3.0	-91.02	-5.8	-323.3	323.4	316.7	6.63	48.802		
665.0	665.0	662.8	662.7	3.7	3.0	-90.91	-5.1	-324.8	324.9	318.2	6.69	48.535		
700.0	700.0	697.8	697.7	3.8	3.0	-90.84	-4.8	-325.7	325.9	319.1	6.73	48.388		
760.0	760.0	761.0	760.9	3.8	3.1	-90.77	-4.4	-327.1	327.1	320.3	6.80	48.102		
800.0	800.0	802.5	802.4	3.9	3.1	-90.77	-4.4	-327.6	327.7	320.8	6.85	47.856		
855.0	855.0	857.8	857.7	4.0	3.1	-90.79	-4.5	-328.3	328.3	321.4	6.91	47.522		
900.0	900.0	903.6	903.4	4.0	3.1	-90.83	-4.7	-328.7	328.8	321.8	6.96	47.224		
950.0	950.0	954.5	954.4	4.1	3.1	-90.88	-5.1	-329.0	329.1	322.1	7.02	46.888		
1,000.0	1,000.0	1,004.8	1,004.7	4.1	3.1	-90.94	-5.4	-329.3	329.3	322.2	7.08	46.538		
1,045.0	1,045.0	1,051.8	1,051.6	4.2	3.1	-90.96	-5.5	-329.4	329.5	322.3	7.13	46.229		
1,100.0	1,100.0	1,111.3	1,111.1	4.3	3.1	-90.79	-4.5	-328.8	328.9	321.7	7.19	45.774		
1,140.0	1,140.0	1,151.8	1,151.6	4.3	3.1	-90.63	-3.6	-328.2	328.2	321.0	7.23	45.423		
1,200.0	1,200.0	1,212.4	1,212.3	4.4	3.1	-90.39	-2.2	-327.1	327.2	319.9	7.29	44.883		
1,235.0	1,235.0	1,247.7	1,247.5	4.4	3.1	-90.25	-1.4	-326.5	326.5	319.2	7.33	44.570		
1,300.0	1,300.0	1,314.1	1,313.8	4.5	3.1	-90.02	-0.1	-325.1	325.1	317.7	7.40	43.966		
1,330.0	1,330.0	1,345.0	1,344.8	4.5	3.1	-89.92	0.4	-324.3	324.4	317.0	7.43	43.681		
1,400.0	1,400.0	1,416.1	1,415.9	4.6	3.1	-89.73	1.5	-322.3	322.4	314.9	7.50	42.973		
1,425.0	1,425.0	1,441.1	1,440.8	4.6	3.2	-89.66	1.9	-321.5	321.6	314.1	7.53	42.719		
1,500.0	1,500.0	1,514.9	1,514.5	4.7	3.2	-89.17	4.7	-319.4	319.6	312.0	7.61	41.986		
1,520.0	1,520.0	1,534.8	1,534.4	4.7	3.2	-13.91	5.6	-318.9	319.0	311.3	7.65	41.680		
1,600.0	1,600.0	1,615.1	1,614.6	4.8	3.2	-13.29	9.5	-316.8	315.3	307.5	7.83	40.291		
1,615.0	1,615.0	1,629.9	1,629.3	4.9	3.2	-13.19	10.1	-316.3	314.4	306.5	7.87	39.943		
1,700.0	1,699.8	1,708.7	1,708.1	5.0	3.2	-12.65	14.1	-314.6	308.1	300.0	8.13	37.910		
1,710.0	1,709.8	1,717.9	1,717.2	5.0	3.2	-12.58	14.7	-314.6	307.4	299.2	8.16	37.674		
1,800.0	1,799.5	1,806.9	1,806.0	5.3	3.3	-11.85	20.4	-314.2	299.5	291.0	8.44	35.459		
1,805.0	1,804.4	1,812.0	1,811.1	5.3	3.3	-11.80	20.7	-314.1	298.9	290.5	8.46	35.328		
1,900.0	1,898.7	1,908.9	1,907.8	5.6	3.3	-11.01	27.3	-313.2	286.9	278.2	8.78	32.672		
1,995.0	1,992.5	2,008.6	2,007.3	5.9	3.3	-10.37	33.3	-310.7	270.5	261.4	9.12	29.657		
2,000.0	1,997.5	2,013.7	2,012.4	5.9	3.3	-10.36	33.6	-310.5	269.5	260.4	9.14	29.488		
2,090.0	2,085.8	2,098.1	2,096.6	6.2	3.4	-10.50	35.9	-307.8	250.2	240.7	9.48	26.387		
2,100.0	2,095.6	2,107.3	2,105.8	6.2	3.4	-10.59	35.9	-307.6	248.0	238.4	9.52	26.049		
2,185.0	2,178.5	2,192.5	2,191.1	6.5	3.4	-11.67	35.4	-306.2	228.0	218.1	9.85	23.145		
2,200.0	2,193.1	2,208.1	2,206.7	6.6	3.4	-11.91	35.3	-305.7	224.0	214.1	9.91	22.611		
2,280.0	2,270.7	2,289.8	2,288.2	6.8	3.5	-13.45	34.0	-302.0	201.6	191.4	10.16	19.832		
2,300.0	2,290.1	2,309.9	2,308.3	6.9	3.5	-14.00	33.3	-300.9	195.7	185.5	10.23	19.140		
2,375.0	2,362.9	2,384.9	2,383.1	7.2	3.5	-16.64	30.0	-295.5	173.0	162.5	10.45	16.547		
2,400.0	2,387.1	2,408.9	2,406.9	7.2	3.5	-17.67	28.8	-293.6	165.2	154.7	10.53	15.688		
2,470.0	2,455.0	2,471.5	2,469.2	7.5	3.5	-21.00	25.5	-288.7	144.1	133.4	10.77	13.384		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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								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	2,496.5	2,494.2	7.6	3.5	-22.79	23.7	-287.4	136.1	125.3	10.87	12.525		
2,565.0	2,547.2	2,556.3	2,553.7	7.8	3.6	-28.08	18.5	-285.7	121.0	110.0	11.02	10.977		
2,600.0	2,581.2	2,587.8	2,585.1	7.9	3.6	-31.31	15.8	-285.3	113.8	102.8	11.08	10.276		
2,660.0	2,639.4	2,642.5	2,639.6	8.2	3.6	-37.35	11.4	-286.2	104.2	93.1	11.13	9.369		
2,700.0	2,678.2	2,680.7	2,677.7	8.3	3.6	-41.75	8.7	-287.6	99.2	88.1	11.12	8.921		
2,755.0	2,731.6	2,733.3	2,730.1	8.5	3.6	-47.33	6.3	-290.9	93.8	82.7	11.09	8.455		
2,800.0	2,775.2	2,777.6	2,774.2	8.7	3.6	-51.85	5.0	-294.4	90.4	79.3	11.06	8.171		
2,850.0	2,823.7	2,826.6	2,823.1	8.9	3.6	-57.16	3.7	-298.4	87.2	76.2	11.00	7.928		
2,900.0	2,872.3	2,876.1	2,872.4	9.1	3.6	-62.86	2.4	-302.4	84.9	74.0	10.92	7.778		
2,945.0	2,915.9	2,920.3	2,916.4	9.3	3.6	-68.17	1.2	-305.9	83.5	72.7	10.85	7.700		
3,000.0	2,969.3	2,974.4	2,970.3	9.5	3.6	-74.83	-0.2	-310.2	82.9	72.1	10.78	7.687 ES		
3,002.1	2,971.3	2,976.4	2,972.4	9.5	3.6	-75.09	-0.3	-310.3	82.9	72.1	10.78	7.688 CC		
3,040.0	3,008.1	3,013.7	3,009.5	9.7	3.7	-79.69	-1.3	-313.3	83.2	72.4	10.77	7.728		
3,100.0	3,066.3	3,072.5	3,068.2	9.9	3.7	-86.89	-2.9	-317.9	84.8	74.0	10.82	7.839		
3,135.0	3,100.3	3,106.7	3,102.2	10.1	3.7	-90.98	-3.9	-320.5	86.4	75.5	10.90	7.929		
3,200.0	3,163.4	3,168.1	3,163.4	10.3	3.7	-98.99	-7.2	-323.5	91.8	80.7	11.14	8.240		
3,230.0	3,192.5	3,197.0	3,192.2	10.5	3.7	-102.70	-9.1	-324.5	95.3	84.0	11.31	8.425		
3,300.0	3,260.4	3,263.6	3,258.7	10.8	3.8	-111.22	-13.9	-324.9	105.5	93.7	11.82	8.931		
3,325.0	3,284.6	3,287.5	3,282.5	10.9	3.8	-114.03	-15.7	-324.8	109.8	97.8	12.02	9.137		
3,400.0	3,357.4	3,359.7	3,354.5	11.2	3.8	-121.36	-21.1	-324.3	124.2	111.5	12.65	9.814		
3,420.0	3,376.8	3,379.1	3,373.9	11.3	3.8	-123.07	-22.5	-324.1	128.3	115.4	12.82	10.004		
3,500.0	3,454.4	3,457.9	3,452.4	11.6	3.9	-129.00	-27.8	-323.7	145.0	131.5	13.48	10.759		
3,515.0	3,469.0	3,472.4	3,466.9	11.7	3.9	-129.95	-28.7	-323.6	148.2	134.6	13.60	10.901		
3,600.0	3,551.5	3,555.5	3,549.9	12.1	3.9	-134.76	-33.3	-323.4	166.5	152.3	14.24	11.692		
3,610.0	3,561.2	3,565.2	3,559.6	12.1	3.9	-135.26	-33.8	-323.3	168.7	154.4	14.32	11.785		
3,700.0	3,648.5	3,651.8	3,646.1	12.5	4.0	-139.23	-38.3	-323.0	189.0	174.1	14.94	12.647		
3,705.0	3,653.3	3,656.5	3,650.8	12.5	4.0	-139.43	-38.5	-323.0	190.2	175.2	14.98	12.696		
3,800.0	3,745.5	3,742.9	3,737.0	13.0	4.0	-142.48	-44.2	-322.1	213.7	198.1	15.54	13.753		
3,895.0	3,837.7	3,833.4	3,827.2	13.4	4.1	-144.89	-51.5	-321.0	239.0	222.8	16.10	14.837		
3,900.0	3,842.6	3,838.3	3,832.0	13.4	4.1	-145.00	-51.9	-320.9	240.3	224.2	16.14	14.893		
3,990.0	3,929.9	3,924.5	3,918.0	13.8	4.1	-146.84	-59.0	-319.8	264.6	248.0	16.66	15.885		
4,000.0	3,939.6	3,934.1	3,927.5	13.9	4.1	-147.02	-59.8	-319.7	267.4	250.6	16.72	15.993		
4,085.0	4,022.1	4,015.7	4,008.8	14.3	4.2	-148.47	-66.4	-318.6	290.5	273.3	17.20	16.885		
4,100.0	4,036.6	4,030.1	4,023.2	14.3	4.2	-148.71	-67.5	-318.4	294.6	277.3	17.29	17.039		
4,180.0	4,114.2	4,107.5	4,100.4	14.7	4.3	-149.88	-73.6	-317.3	316.4	298.7	17.75	17.830		
4,200.0	4,133.6	4,125.9	4,118.7	14.8	4.3	-150.14	-75.0	-317.1	321.9	304.1	17.85	18.033		
4,275.0	4,206.4	4,194.5	4,187.0	15.1	4.3	-150.96	-80.9	-316.1	342.9	324.6	18.23	18.805		
4,300.0	4,230.7	4,217.6	4,210.1	15.3	4.4	-151.17	-83.2	-315.8	350.0	331.7	18.36	19.067		
4,370.0	4,298.6	4,284.9	4,277.0	15.6	4.4	-151.69	-90.1	-315.3	370.1	351.4	18.73	19.761		
4,400.0	4,327.7	4,314.0	4,305.9	15.7	4.4	-151.90	-93.0	-315.0	378.8	359.9	18.89	20.049		
4,465.0	4,390.8	4,376.0	4,367.6	16.0	4.5	-152.32	-99.2	-314.5	397.4	378.2	19.23	20.660		
4,500.0	4,424.7	4,409.9	4,401.3	16.2	4.5	-152.54	-102.6	-314.2	407.4	388.0	19.42	20.978		
4,560.0	4,483.0	4,468.0	4,459.2	16.5	4.6	-152.87	-108.5	-313.7	424.6	404.9	19.74	21.506		
4,600.0	4,521.8	4,508.4	4,499.3	16.6	4.6	-153.02	-112.8	-313.9	435.9	416.0	19.97	21.834		
4,655.0	4,575.1	4,562.1	4,552.6	16.9	4.6	-153.14	-118.9	-314.5	451.4	431.1	20.25	22.289		
4,700.0	4,618.8	4,606.8	4,597.0	17.1	4.7	-153.23	-123.9	-315.2	463.8	443.3	20.49	22.639		
4,750.0	4,667.3	4,657.0	4,647.0	17.3	4.7	-153.36	-129.2	-315.9	477.6	456.8	20.76	23.004		
4,800.0	4,715.8	4,705.3	4,695.0	17.6	4.8	-153.50	-134.0	-316.5	491.1	470.1	21.02	23.367		
4,845.0	4,759.5	4,747.4	4,736.9	17.8	4.8	-153.61	-138.3	-317.0	503.4	482.2	21.24	23.699		
4,900.0	4,812.9	4,800.0	4,789.3	18.0	4.8	-153.76	-143.6	-317.6	518.5	497.0	21.53	24.087		
4,940.0	4,851.7	4,838.7	4,827.8	18.2	4.9	-153.87	-147.5	-317.9	529.5	507.8	21.74	24.361		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	4,897.3	4,886.0	18.5	4.9	-154.04	-153.1	-318.5	545.8	523.7	22.06	24.747		
5,035.0	4,943.8	4,932.2	4,920.9	18.7	5.0	-154.14	-156.4	-318.8	555.3	533.0	22.25	24.958		
5,100.0	5,006.9	4,994.1	4,982.4	19.0	5.0	-154.35	-162.0	-319.2	572.9	550.3	22.59	25.362		
5,130.0	5,036.0	5,023.5	5,011.7	19.1	5.0	-154.45	-164.6	-319.3	581.0	558.3	22.75	25.538		
5,200.0	5,103.9	5,091.1	5,079.1	19.5	5.1	-154.69	-170.5	-319.6	600.0	576.8	23.13	25.942		
5,225.0	5,128.2	5,116.1	5,104.0	19.6	5.1	-154.77	-172.6	-319.7	606.7	583.4	23.27	26.075		
5,300.0	5,201.0	5,189.2	5,176.9	19.9	5.2	-155.05	-178.5	-319.9	626.8	603.1	23.68	26.471		
5,320.0	5,220.4	5,209.2	5,196.8	20.0	5.2	-155.12	-180.1	-319.9	632.2	608.4	23.79	26.570		
5,400.0	5,298.0	5,291.4	5,278.8	20.4	5.3	-155.44	-186.0	-320.3	653.0	628.8	24.26	26.916		
5,415.0	5,312.6	5,305.4	5,292.7	20.5	5.3	-155.50	-187.0	-320.4	656.9	632.6	24.34	26.989		
5,500.0	5,395.0	5,389.1	5,376.2	20.9	5.4	-155.82	-192.6	-320.8	679.0	654.1	24.82	27.359		
5,510.0	5,404.7	5,398.9	5,386.1	20.9	5.4	-155.86	-193.3	-320.8	681.5	656.7	24.87	27.400		
5,600.0	5,492.1	5,486.5	5,473.5	21.4	5.5	-156.21	-198.8	-321.1	704.7	679.3	25.37	27.773		
5,605.0	5,496.9	5,491.1	5,478.1	21.4	5.5	-156.23	-199.1	-321.2	706.0	680.6	25.40	27.795		
5,700.0	5,589.1	5,584.9	5,571.7	21.8	5.6	-156.59	-204.8	-321.5	730.3	704.4	25.94	28.159		
5,795.0	5,681.3	5,676.3	5,662.9	22.3	5.7	-156.96	-209.8	-321.6	754.5	728.1	26.46	28.514		
5,800.0	5,686.1	5,681.2	5,667.8	22.3	5.7	-156.98	-210.1	-321.7	755.8	729.3	26.49	28.532		
5,890.0	5,773.4	5,769.5	5,756.0	22.8	5.8	-157.32	-214.9	-321.8	778.7	751.7	27.00	28.842		
5,900.0	5,783.1	5,779.5	5,766.0	22.8	5.8	-157.36	-215.4	-321.8	781.3	754.2	27.06	28.874		
5,985.0	5,865.6	5,862.8	5,849.2	23.2	5.9	-157.77	-219.6	-322.8	801.7	774.0	27.66	28.986		
6,000.0	5,880.2	5,897.4	5,883.7	23.3	5.9	-157.83	-220.0	-323.1	805.1	777.4	27.74	29.025		
6,080.0	5,957.8	5,974.1	5,960.4	23.7	6.0	-158.15	-222.2	-324.4	823.4	795.2	28.17	29.231		
6,100.0	5,977.2	5,994.3	5,980.6	23.8	6.0	-158.24	-222.8	-324.7	827.9	799.7	28.28	29.276		
6,175.0	6,050.0	6,068.9	6,055.2	24.1	6.1	-158.52	-225.0	-326.1	845.1	816.4	28.70	29.448		
6,200.0	6,074.2	6,091.8	6,078.1	24.2	6.1	-158.61	-225.6	-326.5	850.8	821.9	28.82	29.516		
6,270.0	6,142.2	6,160.8	6,147.0	24.6	6.1	-158.87	-227.7	-327.6	866.9	837.6	29.21	29.677		
6,300.0	6,171.3	6,190.1	6,176.3	24.7	6.2	-158.97	-228.5	-328.2	873.7	844.3	29.37	29.745		
6,365.0	6,234.3	6,253.4	6,239.6	25.0	6.2	-159.19	-230.4	-329.4	888.5	858.8	29.73	29.892		
6,400.0	6,268.3	6,287.3	6,273.4	25.2	6.3	-159.30	-231.4	-330.0	896.5	866.6	29.91	29.971		
6,460.0	6,326.5	6,352.1	6,338.2	25.5	6.3	-159.53	-233.0	-331.2	910.1	879.9	30.27	30.067		
6,500.0	6,365.3	6,401.1	6,387.3	25.7	6.3	-159.75	-233.2	-332.1	918.8	888.3	30.54	30.087		
6,555.0	6,418.7	6,461.1	6,447.2	25.9	6.4	-160.07	-232.4	-333.1	930.1	899.2	30.86	30.135		
6,600.0	6,462.4	6,500.7	6,486.8	26.2	6.4	-160.29	-231.7	-333.8	939.4	908.3	31.08	30.224		
6,650.0	6,510.9	6,545.1	6,531.2	26.4	6.4	-160.52	-231.2	-334.3	950.0	918.7	31.33	30.326		
6,700.0	6,559.4	6,591.5	6,577.6	26.6	6.4	-160.74	-230.9	-334.9	960.8	929.2	31.59	30.416		
6,745.0	6,603.0	6,633.5	6,619.6	26.9	6.4	-160.94	-230.8	-335.4	970.6	938.8	31.83	30.498		
6,800.0	6,656.4	6,687.2	6,673.3	27.1	6.4	-161.18	-230.6	-335.9	982.7	950.5	32.14	30.576		
6,840.0	6,695.2	6,726.5	6,712.6	27.3	6.5	-161.37	-230.2	-336.2	991.4	959.0	32.37	30.630		
6,900.0	6,753.4	6,790.7	6,776.8	27.6	6.5	-161.73	-228.8	-336.4	1,004.4	971.6	32.76	30.662		
6,935.0	6,787.4	6,828.4	6,814.4	27.8	6.6	-161.96	-227.4	-336.3	1,011.8	978.8	32.99	30.670		
7,000.0	6,850.5	6,899.9	6,885.8	28.1	6.6	-162.40	-224.5	-336.6	1,025.3	991.8	33.44	30.660		
7,030.0	6,879.6	6,931.0	6,916.9	28.2	6.6	-162.58	-223.3	-336.9	1,031.3	997.7	33.64	30.659		
7,100.0	6,947.5	7,000.2	6,986.1	28.6	6.7	-162.95	-220.8	-337.8	1,045.5	1,011.4	34.09	30.669		
7,125.0	6,971.8	7,025.3	7,011.2	28.7	6.8	-163.07	-220.0	-338.2	1,050.5	1,016.2	34.25	30.669		
7,200.0	7,044.5	7,100.8	7,086.6	29.1	6.9	-163.45	-217.4	-339.6	1,065.5	1,030.8	34.75	30.660		
7,220.0	7,063.9	7,118.8	7,104.6	29.2	6.9	-163.53	-216.8	-339.9	1,069.5	1,034.6	34.88	30.667		
7,300.0	7,141.6	7,189.5	7,175.3	29.5	7.0	-163.84	-215.1	-341.2	1,085.9	1,050.5	35.36	30.712		
7,315.0	7,156.1	7,202.7	7,188.5	29.6	7.0	-163.89	-214.8	-341.5	1,089.0	1,053.6	35.45	30.723		
7,400.0	7,238.6	7,277.3	7,263.0	30.0	7.1	-164.15	-214.2	-342.9	1,107.2	1,071.2	35.96	30.790		
7,410.0	7,248.3	7,286.1	7,271.8	30.1	7.1	-164.17	-214.2	-343.0	1,109.3	1,073.3	36.02	30.799		
7,505.0	7,340.5	7,374.9	7,360.7	30.5	7.3	-164.42	-214.5	-344.6	1,130.2	1,093.6	36.63	30.851		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
7,508.6	7,343.9	7,378.3	7,364.0	30.6	7.3	-164.43	-214.5	-344.7	1,131.0	1,094.4	36.66	30.853		
7,600.0	7,433.0	7,460.4	7,446.1	31.0	7.4	-164.74	-215.1	-345.9	1,150.2	1,112.9	37.23	30.893		
7,695.0	7,526.2	7,540.3	7,526.0	31.5	7.6	-164.99	-215.8	-346.4	1,168.0	1,130.2	37.78	30.915		
7,700.0	7,531.1	7,544.4	7,530.2	31.5	7.6	-165.00	-215.9	-346.4	1,168.8	1,131.0	37.81	30.916		
7,790.0	7,619.9	7,621.8	7,607.5	31.9	7.7	-165.19	-217.1	-346.1	1,183.9	1,145.6	38.32	30.897		
7,800.0	7,629.8	7,630.7	7,616.4	31.9	7.7	-165.21	-217.3	-346.0	1,185.4	1,147.1	38.38	30.890		
7,885.0	7,714.1	7,711.0	7,696.7	32.3	7.9	-165.37	-218.6	-345.0	1,197.5	1,158.6	38.89	30.792		
7,900.0	7,729.0	7,726.2	7,711.9	32.4	7.9	-165.39	-218.9	-344.8	1,199.4	1,160.4	38.99	30.763		
7,980.0	7,808.7	7,792.6	7,778.3	32.7	8.1	-165.47	-220.4	-344.0	1,208.4	1,169.0	39.38	30.684		
8,000.0	7,828.6	7,805.7	7,791.3	32.8	8.1	-165.48	-220.8	-343.7	1,210.6	1,171.1	39.45	30.682		
8,075.0	7,903.5	7,861.0	7,846.6	33.1	8.2	-165.48	-223.5	-342.2	1,218.4	1,178.7	39.73	30.664		
8,100.0	7,928.4	7,874.9	7,860.4	33.1	8.2	-165.48	-224.3	-341.7	1,220.9	1,181.1	39.79	30.682		
8,170.0	7,998.4	7,939.2	7,924.5	33.3	8.4	-165.41	-228.6	-339.5	1,227.0	1,187.0	40.02	30.658		
8,208.6	8,037.0	8,015.3	8,000.5	33.3	8.5	119.65	-233.1	-338.5	1,228.5	1,188.0	40.46	30.361		
8,265.0	8,093.4	8,169.3	8,154.3	33.3	8.9	119.84	-235.6	-342.4	1,226.8	1,185.5	41.32	29.690		
8,300.0	8,128.4	8,199.6	8,184.6	33.4	9.0	119.83	-234.7	-343.4	1,225.3	1,183.9	41.39	29.606		
8,360.0	8,188.4	8,239.0	8,224.0	33.4	9.1	119.77	-233.0	-344.2	1,223.1	1,181.7	41.42	29.531		
8,400.0	8,228.4	8,280.3	8,265.2	33.4	9.2	119.69	-230.8	-344.4	1,221.9	1,180.3	41.55	29.407		
8,455.0	8,283.4	8,322.1	8,306.9	33.4	9.3	119.60	-228.7	-344.1	1,220.8	1,179.2	41.62	29.330		
8,500.0	8,328.4	8,359.5	8,344.3	33.4	9.4	119.51	-226.8	-343.5	1,220.3	1,178.6	41.71	29.259		
8,550.0	8,378.4	8,403.1	8,387.8	33.4	9.5	119.41	-225.0	-342.7	1,220.1	1,178.3	41.82	29.177		
8,579.1	8,407.5	8,429.0	8,413.7	33.4	9.6	119.36	-224.0	-342.2	1,220.0	1,178.2	41.88	29.129		
8,600.0	8,428.4	8,446.5	8,431.2	33.4	9.6	119.33	-223.5	-341.8	1,220.1	1,178.1	41.92	29.103		
8,645.0	8,473.4	8,485.5	8,470.2	33.4	9.7	119.28	-222.7	-341.2	1,220.3	1,178.3	42.02	29.044		
8,700.0	8,528.4	8,534.9	8,519.6	33.5	9.9	119.26	-222.4	-340.4	1,220.9	1,178.7	42.14	28.972		
8,740.0	8,568.4	8,576.3	8,561.0	33.5	10.0	119.25	-222.5	-339.9	1,221.4	1,179.1	42.27	28.891		
8,800.0	8,628.4	8,636.4	8,621.1	33.5	10.1	119.24	-222.6	-339.2	1,222.0	1,179.5	42.46	28.781		
8,835.0	8,663.4	8,668.9	8,653.6	33.5	10.2	119.23	-222.7	-338.9	1,222.4	1,179.9	42.55	28.731		
8,900.0	8,728.4	8,731.5	8,716.1	33.5	10.4	119.24	-223.2	-338.1	1,223.4	1,180.6	42.73	28.631		
8,930.0	8,758.4	8,763.4	8,748.1	33.5	10.5	119.24	-223.5	-337.7	1,223.8	1,181.0	42.84	28.569		
9,000.0	8,828.4	8,837.1	8,821.8	33.5	10.7	119.25	-224.2	-337.1	1,224.6	1,181.5	43.08	28.424		
9,025.0	8,853.4	8,862.7	8,847.4	33.5	10.7	119.26	-224.5	-337.0	1,224.9	1,181.7	43.17	28.375		
9,100.0	8,928.4	8,940.5	8,925.2	33.6	11.0	119.30	-225.5	-336.7	1,225.6	1,182.1	43.43	28.222		
9,120.0	8,948.4	8,962.1	8,946.7	33.6	11.0	119.31	-225.9	-336.7	1,225.7	1,182.2	43.50	28.176		
9,200.0	9,028.4	9,047.1	9,008.5	33.6	13.4	90.35	367.7	-340.8	1,209.6	1,162.4	47.13	25.665		
9,215.0	9,043.4	9,048.0	9,008.5	33.6	13.4	90.30	368.6	-340.8	1,202.5	1,155.4	47.16	25.500		
9,300.0	9,128.4	9,953.0	9,608.8	33.6	13.4	90.03	373.6	-340.9	1,165.4	1,118.2	47.26	24.658		
9,310.0	9,138.4	9,953.6	9,608.8	33.6	13.4	90.00	374.2	-340.9	1,161.4	1,114.1	47.27	24.569		
9,400.0	9,228.4	9,958.8	9,609.1	33.6	13.5	89.72	379.4	-341.0	1,128.4	1,081.2	47.28	23.868		
9,405.0	9,233.4	9,959.1	9,609.1	33.6	13.5	89.70	379.7	-341.0	1,126.8	1,079.5	47.28	23.834		
9,500.0	9,328.4	9,964.6	9,609.4	33.7	13.5	89.41	385.2	-341.1	1,099.3	1,052.1	47.16	23.309		
9,595.0	9,423.4	9,970.0	9,609.6	33.7	13.5	89.12	390.6	-341.3	1,079.5	1,032.5	46.92	23.005		
9,600.0	9,428.4	9,970.3	9,609.6	33.7	13.5	89.10	390.9	-341.3	1,078.6	1,031.7	46.91	22.995		
9,690.0	9,518.4	9,975.4	9,609.9	33.7	13.5	88.83	396.0	-341.4	1,067.7	1,021.2	46.57	22.928		
9,700.0	9,528.4	9,976.0	9,609.9	33.7	13.5	88.80	396.5	-341.4	1,067.0	1,020.5	46.53	22.933		
9,775.5	9,603.9	9,980.3	9,610.1	33.7	13.5	88.57	400.8	-341.5	1,064.3	1,018.1	46.16	23.057		
9,785.0	9,613.4	9,980.8	9,610.2	33.8	13.5	88.54	401.3	-341.5	1,064.4	1,018.2	46.11	23.083		
9,800.0	9,628.4	9,981.6	9,610.2	33.8	13.5	88.50	402.2	-341.6	1,064.6	1,018.6	46.03	23.129		
9,880.0	9,708.4	9,986.1	9,610.4	33.8	13.5	88.26	406.6	-341.7	1,069.4	1,023.8	45.57	23.469		
9,900.0	9,728.4	9,987.2	9,610.5	33.8	13.5	88.20	407.7	-341.7	1,071.5	1,026.1	45.44	23.580		
9,934.6	9,763.0	9,989.1	9,610.6	33.8	13.6	88.09	409.6	-341.7	1,076.1	1,031.0	45.14	23.840		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		
9,950.0	9,778.4	9,990.2	9,610.6	33.8	13.6	87.91	410.7	-341.8	1,078.5	1,033.4	45.03	23.951		
9,975.0	9,803.4	9,992.9	9,610.8	33.8	13.6	87.33	413.4	-341.8	1,082.7	1,037.9	44.85	24.140		
10,000.0	9,828.3	9,996.9	9,611.0	33.8	13.6	86.63	417.4	-342.0	1,087.5	1,042.8	44.68	24.340		
10,050.0	9,877.6	10,008.3	9,611.5	33.8	13.6	84.92	428.8	-342.3	1,098.4	1,054.1	44.34	24.771		
10,070.0	9,897.2	10,014.2	9,611.8	33.8	13.6	84.12	434.7	-342.4	1,103.3	1,059.0	44.21	24.953		
10,100.0	9,926.1	10,024.4	9,612.3	33.8	13.7	82.81	444.9	-342.7	1,110.9	1,066.9	44.02	25.235		
10,150.0	9,973.4	10,026.0	9,612.4	33.8	13.7	81.29	446.5	-342.8	1,124.9	1,081.1	43.79	25.689		
10,165.0	9,987.3	10,042.8	9,613.1	33.8	13.7	80.03	463.2	-343.2	1,129.2	1,085.5	43.68	25.850		
10,200.0	10,019.0	10,054.1	9,613.6	33.8	13.8	78.41	474.6	-343.5	1,139.8	1,096.3	43.53	26.187		
10,250.0	10,062.7	10,072.4	9,614.3	33.8	13.8	75.99	492.8	-343.9	1,155.5	1,112.2	43.33	26.668		
10,260.0	10,071.2	10,076.3	9,614.4	33.8	13.9	75.49	496.7	-343.9	1,158.8	1,115.5	43.30	26.764		
10,300.0	10,104.2	10,092.8	9,614.9	33.8	13.9	73.50	513.2	-344.2	1,171.8	1,128.6	43.17	27.141		
10,350.0	10,143.0	10,121.0	9,615.5	33.9	14.0	70.80	541.4	-344.4	1,188.2	1,145.2	43.04	27.604		
10,355.0	10,146.7	10,121.0	9,615.5	33.9	14.0	70.64	541.4	-344.4	1,189.8	1,146.8	43.04	27.645		
10,400.0	10,178.9	10,151.1	9,616.0	33.9	14.1	68.20	571.5	-344.7	1,204.3	1,161.4	42.96	28.030		
10,450.0	10,211.7	10,193.0	9,616.2	33.9	14.3	65.48	613.4	-345.3	1,219.6	1,176.7	42.91	28.423		
10,500.0	10,241.0	10,258.2	9,616.2	33.9	14.6	62.49	678.5	-347.3	1,233.4	1,190.6	42.87	28.774		
10,545.0	10,264.3	10,300.3	9,616.9	33.9	14.8	60.59	720.6	-349.5	1,243.5	1,200.6	42.90	28.985		
10,550.0	10,266.8	10,304.7	9,616.9	33.9	14.8	60.41	725.0	-349.7	1,244.6	1,201.7	42.91	29.006		
10,600.0	10,288.6	10,352.0	9,617.8	34.0	15.0	58.69	772.2	-351.9	1,254.1	1,211.0	43.01	29.160		
10,640.0	10,303.3	10,375.2	9,618.2	34.0	15.1	57.78	795.3	-352.7	1,260.7	1,217.6	43.13	29.229		
10,650.0	10,306.5	10,381.0	9,618.3	34.0	15.1	57.57	801.2	-352.8	1,262.2	1,219.1	43.17	29.241		
10,700.0	10,320.3	10,412.9	9,618.6	34.0	15.3	56.67	833.1	-353.4	1,268.9	1,225.6	43.36	29.266		
10,735.0	10,327.4	10,445.6	9,619.0	34.1	15.4	56.14	865.8	-353.7	1,272.4	1,228.9	43.52	29.240		
10,750.0	10,329.8	10,459.7	9,619.2	34.1	15.5	55.96	879.9	-353.8	1,273.6	1,230.0	43.59	29.218		
10,800.0	10,335.0	10,502.0	9,619.9	34.1	15.7	55.61	922.2	-354.0	1,276.0	1,232.2	43.86	29.095		
10,830.0	10,336.0	10,529.5	9,620.3	34.1	15.9	55.56	949.6	-354.0	1,276.4	1,232.4	44.03	28.986		
10,832.3	10,336.0	10,531.2	9,620.3	34.1	15.9	55.56	951.4	-354.0	1,276.4	1,232.3	44.05	28.977		
10,839.2	10,336.0	10,536.6	9,620.4	34.1	15.9	55.56	956.7	-354.0	1,276.4	1,232.3	44.09	28.950		
10,900.0	10,336.3	10,583.8	9,620.7	34.2	16.2	55.57	1,004.0	-353.7	1,276.7	1,232.3	44.46	28.718		
10,925.0	10,336.4	10,597.0	9,620.7	34.2	16.2	55.58	1,017.2	-353.5	1,277.1	1,232.4	44.61	28.628		
11,000.0	10,336.7	10,655.7	9,621.7	34.3	16.5	55.66	1,075.8	-351.5	1,278.8	1,233.7	45.09	28.359		
11,020.0	10,336.8	10,669.8	9,622.2	34.3	16.6	55.70	1,089.9	-350.6	1,279.5	1,234.3	45.23	28.290		
11,100.0	10,337.1	10,744.9	9,626.9	34.5	17.1	56.03	1,164.5	-344.0	1,282.9	1,237.1	45.84	27.989		
11,115.0	10,337.2	10,761.2	9,628.3	34.5	17.1	56.12	1,180.7	-342.3	1,283.5	1,237.6	45.96	27.925		
11,200.0	10,337.5	10,844.1	9,635.0	34.6	17.6	56.57	1,262.9	-334.2	1,287.0	1,240.3	46.67	27.578		
11,210.0	10,337.6	10,853.5	9,635.5	34.6	17.7	56.60	1,272.3	-333.5	1,287.4	1,240.6	46.75	27.540		
11,300.0	10,337.9	10,930.8	9,636.4	34.8	18.2	56.74	1,349.5	-328.9	1,291.6	1,244.2	47.44	27.229		
11,305.0	10,338.0	10,934.9	9,636.4	34.8	18.2	56.74	1,353.5	-328.7	1,291.9	1,244.4	47.47	27.213		
11,400.0	10,338.4	11,123.7	9,636.4	35.0	19.4	56.79	1,542.2	-326.0	1,293.3	1,244.8	48.49	26.673		
11,495.0	10,338.7	11,249.6	9,635.6	35.2	20.2	56.62	1,667.9	-331.0	1,291.0	1,241.7	49.35	26.160		
11,500.0	10,338.8	11,258.1	9,635.5	35.2	20.3	56.61	1,676.4	-331.5	1,290.8	1,241.4	49.40	26.131		
11,590.0	10,339.1	11,333.6	9,635.4	35.4	20.8	56.49	1,751.9	-335.6	1,287.1	1,237.0	50.18	25.651		
11,600.0	10,339.2	11,341.9	9,635.4	35.4	20.8	56.48	1,760.1	-336.0	1,286.8	1,236.5	50.27	25.600		
11,685.0	10,339.5	11,413.8	9,635.3	35.6	21.3	56.40	1,832.0	-338.8	1,284.4	1,233.4	51.03	25.172		
11,700.0	10,339.6	11,426.6	9,635.3	35.6	21.4	56.39	1,844.8	-339.2	1,284.1	1,232.9	51.16	25.099		
11,780.0	10,339.9	11,525.1	9,634.8	35.8	22.1	56.27	1,943.2	-342.9	1,282.1	1,230.2	51.97	24.673		
11,800.0	10,340.0	11,553.7	9,634.7	35.9	22.3	56.23	1,971.8	-344.5	1,281.4	1,229.2	52.17	24.559		
11,875.0	10,340.3	11,641.7	9,636.4	36.1	22.9	56.17	2,059.6	-348.7	1,277.9	1,224.9	52.95	24.132		
11,900.0	10,340.4	11,657.0	9,636.9	36.1	23.0	56.17	2,074.9	-349.3	1,276.7	1,223.5	53.19	24.003		
11,970.0	10,340.7	11,703.4	9,638.3	36.3	23.4	56.19	2,121.2	-350.6	1,274.2	1,220.3	53.85	23.661		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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					
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		
12,000.0	10,340.8	11,733.0	9,639.1	36.4	23.6	56.21	2,150.9	-351.0	1,273.5	1,219.4	54.16	23.513			
12,065.0	10,341.1	11,806.0	9,641.7	36.6	24.1	56.28	2,223.8	-351.6	1,272.1	1,217.2	54.89	23.174			
12,100.0	10,341.3	11,828.0	9,642.8	36.7	24.3	56.31	2,245.8	-351.9	1,270.9	1,215.7	55.23	23.012			
12,160.0	10,341.5	11,875.6	9,644.5	36.9	24.6	56.36	2,293.3	-352.4	1,269.5	1,213.7	55.84	22.734			
12,199.3	10,341.7	11,899.0	9,644.8	37.0	24.8	56.36	2,316.8	-352.5	1,269.3	1,213.1	56.21	22.582			
12,200.0	10,341.7	11,899.5	9,644.8	37.0	24.8	56.36	2,317.2	-352.5	1,269.3	1,213.1	56.21	22.580			
12,255.0	10,341.9	11,923.0	9,644.6	37.2	25.0	56.35	2,340.7	-352.6	1,269.8	1,213.1	56.67	22.406			
12,300.0	10,342.1	11,962.1	9,643.5	37.4	25.3	56.31	2,379.8	-352.5	1,270.8	1,213.7	57.13	22.245			
12,350.0	10,342.3	11,994.3	9,642.0	37.5	25.5	56.25	2,412.0	-352.3	1,272.6	1,215.1	57.58	22.103			
12,400.0	10,342.5	12,040.7	9,638.8	37.7	25.9	56.14	2,458.2	-351.8	1,275.1	1,217.0	58.09	21.949			
12,445.0	10,342.7	12,118.1	9,635.1	37.9	26.5	56.00	2,535.6	-351.6	1,276.6	1,217.9	58.75	21.729			
12,500.0	10,342.9	12,195.0	9,633.5	38.1	27.0	55.93	2,612.5	-351.8	1,277.3	1,217.9	59.47	21.478			
12,540.0	10,343.1	12,257.1	9,633.5	38.2	27.5	55.91	2,674.6	-352.4	1,277.2	1,217.1	60.03	21.275			
12,600.0	10,343.3	12,329.5	9,634.2	38.4	28.1	55.88	2,746.9	-354.2	1,275.8	1,215.0	60.78	20.992			
12,635.0	10,343.5	12,359.2	9,634.1	38.6	28.3	55.85	2,776.6	-355.1	1,275.1	1,213.9	61.16	20.847			
12,700.0	10,343.7	12,412.9	9,633.4	38.8	28.7	55.78	2,830.3	-356.9	1,274.1	1,212.2	61.87	20.594			
12,730.0	10,343.9	12,436.1	9,632.9	38.9	28.9	55.73	2,853.5	-357.6	1,273.9	1,211.7	62.19	20.484			
12,756.3	10,344.0	12,456.5	9,632.2	39.0	29.1	55.69	2,873.9	-358.1	1,273.8	1,211.4	62.47	20.392			
12,800.0	10,344.2	12,494.0	9,630.8	39.2	29.3	55.61	2,911.3	-359.1	1,274.0	1,211.1	62.95	20.240			
12,825.0	10,344.3	12,510.6	9,630.1	39.3	29.5	55.58	2,927.9	-359.5	1,274.3	1,211.1	63.20	20.163			
12,900.0	10,344.6	12,572.1	9,628.3	39.6	30.0	55.50	2,989.4	-359.7	1,275.5	1,211.5	64.01	19.926			
12,920.0	10,344.7	12,588.0	9,628.0	39.7	30.1	55.49	3,005.3	-359.6	1,276.0	1,211.8	64.23	19.865			
13,000.0	10,345.0	12,652.2	9,627.1	40.0	30.6	55.48	3,069.4	-358.1	1,278.5	1,213.4	65.11	19.636			
13,015.0	10,345.0	12,664.1	9,626.9	40.1	30.7	55.49	3,081.3	-357.7	1,279.1	1,213.8	65.27	19.596			
13,100.0	10,345.4	12,815.0	9,628.8	40.4	31.8	55.63	3,232.1	-354.1	1,280.6	1,213.8	66.74	19.187			
13,110.0	10,345.4	12,828.7	9,629.3	40.5	32.0	55.65	3,245.9	-354.1	1,280.4	1,213.5	66.89	19.143			
13,200.0	10,345.8	12,934.9	9,633.3	40.9	32.8	55.77	3,351.9	-354.8	1,278.4	1,210.2	68.12	18.765			
13,205.0	10,345.8	12,940.2	9,633.6	40.9	32.8	55.78	3,357.3	-354.8	1,278.2	1,210.0	68.19	18.745			
13,300.0	10,346.2	13,012.1	9,636.5	41.3	33.4	55.87	3,429.1	-355.1	1,276.2	1,206.9	69.31	18.414			
13,332.0	10,346.4	13,032.6	9,637.0	41.5	33.6	55.89	3,449.6	-354.9	1,276.1	1,206.4	69.66	18.319			
13,395.0	10,346.6	13,076.7	9,637.5	41.8	33.9	55.92	3,493.6	-354.3	1,276.6	1,206.2	70.36	18.145			
13,400.0	10,346.6	13,081.1	9,637.5	41.8	34.0	55.92	3,498.0	-354.3	1,276.7	1,206.3	70.42	18.130			
13,490.0	10,347.0	13,254.0	9,638.1	42.2	35.3	55.92	3,670.9	-354.4	1,278.3	1,206.3	72.01	17.752			
13,500.0	10,347.1	13,254.0	9,638.1	42.3	35.3	55.92	3,670.9	-354.4	1,277.8	1,205.7	72.10	17.723			
13,585.0	10,347.4	13,308.8	9,638.7	42.7	35.8	55.88	3,725.7	-356.6	1,275.1	1,202.0	73.07	17.451			
13,600.0	10,347.5	13,317.4	9,638.5	42.7	35.8	55.87	3,734.3	-356.9	1,274.8	1,201.6	73.23	17.409			
13,680.0	10,347.8	13,409.7	9,635.7	43.1	36.6	55.68	3,826.5	-360.0	1,274.4	1,200.1	74.32	17.148			
13,700.0	10,347.9	13,458.2	9,635.5	43.2	37.0	55.60	3,874.9	-362.4	1,273.7	1,199.0	74.70	17.051			
13,775.0	10,348.2	13,510.4	9,634.9	43.6	37.4	55.51	3,927.0	-365.0	1,271.3	1,195.7	75.58	16.820			
13,800.0	10,348.3	13,538.0	9,634.5	43.7	37.6	55.46	3,954.6	-366.2	1,270.7	1,194.8	75.92	16.737			
13,870.0	10,348.6	13,592.6	9,633.7	44.1	38.1	55.37	4,009.2	-368.4	1,269.3	1,192.5	76.76	16.535			
13,900.0	10,348.7	13,619.4	9,633.6	44.2	38.3	55.34	4,035.9	-369.1	1,268.8	1,191.6	77.14	16.447			
13,965.0	10,349.0	13,668.2	9,633.7	44.5	38.7	55.33	4,084.8	-369.7	1,268.2	1,190.3	77.92	16.275			
13,972.7	10,349.0	13,673.7	9,633.8	44.6	38.7	55.33	4,090.2	-369.8	1,268.2	1,190.2	78.01	16.256			
14,000.0	10,349.1	13,693.0	9,634.0	44.7	38.9	55.34	4,109.6	-369.6	1,268.3	1,190.0	78.33	16.192			
14,060.0	10,349.4	13,739.8	9,634.7	45.0	39.3	55.38	4,156.4	-368.6	1,269.1	1,190.0	79.06	16.052			
14,100.0	10,349.5	13,784.4	9,636.1	45.2	39.6	55.47	4,200.9	-367.0	1,269.7	1,190.0	79.65	15.940			
14,155.0	10,349.8	13,862.0	9,641.3	45.5	40.2	55.75	4,278.2	-363.3	1,270.0	1,189.4	80.60	15.756			
14,200.0	10,350.0	13,904.3	9,645.1	45.8	40.6	55.94	4,320.3	-361.2	1,269.8	1,188.6	81.23	15.632			
14,250.0	10,350.2	13,951.8	9,649.2	46.0	41.0	56.16	4,367.5	-358.7	1,269.8	1,187.8	81.94	15.496			
14,250.8	10,350.2	13,952.6	9,649.3	46.0	41.0	56.16	4,368.3	-358.6	1,269.8	1,187.8	81.95	15.494			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)			
14,300.0	10,350.4	14,000.6	9,653.5	46.3	41.4	56.38	4,416.1	-356.0	1,269.8	1,187.2	82.66	15.362		
14,345.0	10,350.6	14,043.6	9,657.4	46.5	41.7	56.59	4,458.8	-353.5	1,269.9	1,186.6	83.30	15.244		
14,400.0	10,350.8	14,091.5	9,661.3	46.8	42.1	56.79	4,506.5	-350.9	1,270.2	1,186.2	84.05	15.113		
14,440.0	10,351.0	14,131.0	9,663.8	47.0	42.4	56.93	4,545.9	-348.9	1,270.6	1,186.0	84.62	15.016		
14,500.0	10,351.2	14,173.8	9,665.8	47.4	42.8	57.05	4,588.6	-346.9	1,271.7	1,186.3	85.34	14.901		
14,535.0	10,351.3	14,201.3	9,666.8	47.6	43.0	57.12	4,616.0	-345.5	1,272.6	1,186.8	85.78	14.836		
14,600.0	10,351.6	14,251.1	9,667.8	47.9	43.4	57.21	4,665.7	-343.1	1,274.8	1,188.3	86.57	14.727		
14,630.0	10,351.7	14,273.5	9,667.9	48.1	43.6	57.24	4,688.2	-341.9	1,276.1	1,189.2	86.92	14.682		
14,700.0	10,352.0	14,329.1	9,667.1	48.5	44.0	57.27	4,743.6	-339.2	1,279.8	1,192.1	87.76	14.584		
14,725.0	10,352.1	14,359.8	9,666.3	48.6	44.3	57.27	4,774.3	-337.8	1,281.2	1,193.1	88.17	14.532		
14,800.0	10,352.4	14,438.7	9,663.8	49.0	44.9	57.23	4,853.2	-335.2	1,284.9	1,195.6	89.25	14.396		
14,820.0	10,352.5	14,454.2	9,663.2	49.2	45.0	57.22	4,868.6	-334.7	1,285.9	1,196.4	89.49	14.370		
14,900.0	10,352.9	14,517.0	9,660.2	49.6	45.6	57.15	4,931.3	-332.4	1,290.7	1,200.3	90.42	14.274		
14,915.0	10,352.9	14,530.5	9,659.4	49.7	45.7	57.14	4,944.7	-331.9	1,291.8	1,201.1	90.62	14.255		
15,000.0	10,353.3	14,606.0	9,654.8	50.2	46.3	57.03	5,020.0	-328.8	1,297.8	1,206.1	91.69	14.154		
15,010.0	10,353.3	14,615.6	9,654.2	50.2	46.4	57.02	5,029.6	-328.4	1,298.6	1,206.7	91.83	14.141		
15,100.0	10,353.7	14,695.7	9,649.3	50.8	47.0	56.92	5,109.5	-324.4	1,305.7	1,212.7	92.97	14.043		
15,105.0	10,353.7	14,701.0	9,649.0	50.8	47.1	56.92	5,114.7	-324.1	1,306.1	1,213.1	93.05	14.037		
15,200.0	10,354.1	14,851.9	9,644.7	51.4	48.3	56.93	5,265.3	-316.4	1,312.1	1,217.1	95.00	13.811		
15,295.0	10,354.5	15,022.1	9,648.1	51.9	49.7	57.10	5,435.5	-313.9	1,312.1	1,215.2	96.98	13.530		
15,300.0	10,354.5	15,026.6	9,648.3	51.9	49.8	57.10	5,440.0	-313.9	1,312.0	1,215.0	97.05	13.519		
15,390.0	10,354.9	15,169.8	9,653.9	52.5	51.0	57.25	5,583.0	-315.7	1,310.1	1,211.4	98.64	13.281		
15,400.0	10,354.9	15,151.6	9,653.2	52.5	50.8	57.23	5,564.9	-315.4	1,309.3	1,210.7	98.66	13.271		
15,485.0	10,355.3	15,264.8	9,658.4	53.0	51.7	57.31	5,677.8	-319.8	1,304.5	1,204.5	100.03	13.041		
15,500.0	10,355.3	15,279.1	9,659.1	53.1	51.9	57.32	5,692.1	-320.4	1,303.6	1,203.4	100.25	13.004		
15,580.0	10,355.7	15,354.7	9,663.0	53.6	52.5	57.39	5,767.6	-323.3	1,299.2	1,197.8	101.41	12.811		
15,600.0	10,355.8	15,376.0	9,664.1	53.7	52.7	57.41	5,788.8	-324.0	1,298.1	1,196.4	101.71	12.763		
15,675.0	10,356.1	15,464.1	9,669.2	54.2	53.4	57.51	5,876.7	-327.4	1,293.6	1,190.7	102.87	12.575		
15,700.0	10,356.2	15,482.0	9,670.2	54.3	53.5	57.53	5,894.5	-328.2	1,292.1	1,188.9	103.22	12.518		
15,770.0	10,356.5	15,536.8	9,672.4	54.8	54.0	57.55	5,949.3	-330.5	1,288.3	1,184.1	104.19	12.365		
15,800.0	10,356.6	15,561.2	9,673.0	55.0	54.2	57.54	5,973.6	-331.6	1,286.9	1,182.3	104.60	12.304		
15,865.0	10,356.9	15,618.9	9,673.8	55.4	54.7	57.50	6,031.3	-334.1	1,284.3	1,178.8	105.51	12.172		
15,900.0	10,357.0	15,649.0	9,674.1	55.6	54.9	57.48	6,061.3	-335.4	1,283.0	1,177.0	106.00	12.104		
15,960.0	10,357.3	15,705.6	9,673.8	55.9	55.4	57.40	6,117.8	-338.0	1,281.0	1,174.2	106.85	11.989		
16,000.0	10,357.4	15,745.0	9,672.9	56.2	55.7	57.31	6,157.2	-340.2	1,279.8	1,172.4	107.42	11.914		
16,055.0	10,357.7	15,801.9	9,671.1	56.5	56.2	57.15	6,213.9	-343.7	1,278.1	1,169.9	108.22	11.810		
16,100.0	10,357.8	15,850.2	9,669.5	56.8	56.6	57.01	6,262.1	-346.9	1,276.6	1,167.7	108.88	11.725		
16,150.0	10,358.0	15,901.9	9,667.6	57.1	57.1	56.84	6,313.7	-350.6	1,274.8	1,165.2	109.60	11.631		
16,200.0	10,358.3	15,951.6	9,665.5	57.4	57.5	56.66	6,363.2	-354.4	1,273.0	1,162.7	110.31	11.540		
16,245.0	10,358.4	15,993.5	9,663.3	57.7	57.8	56.49	6,404.9	-357.7	1,271.4	1,160.5	110.94	11.461		
16,300.0	10,358.7	16,042.3	9,660.5	58.1	58.3	56.28	6,453.4	-361.7	1,269.7	1,158.0	111.68	11.369		
16,340.0	10,358.8	16,073.8	9,658.7	58.3	58.5	56.15	6,484.8	-364.0	1,268.7	1,156.5	112.21	11.307		
16,400.0	10,359.1	16,124.0	9,656.0	58.7	59.0	55.97	6,534.8	-367.0	1,267.7	1,154.7	113.00	11.218		
16,435.0	10,359.2	16,154.9	9,654.4	58.9	59.2	55.86	6,565.7	-368.7	1,267.3	1,153.8	113.48	11.168		
16,500.0	10,359.5	16,218.7	9,650.9	59.3	59.8	55.64	6,629.3	-372.1	1,266.7	1,152.3	114.40	11.072		
16,530.0	10,359.6	16,249.8	9,649.3	59.5	60.0	55.54	6,660.3	-373.7	1,266.4	1,151.5	114.84	11.027		
16,600.0	10,359.9	16,321.8	9,646.3	60.0	60.6	55.33	6,732.1	-377.1	1,265.6	1,149.7	115.87	10.923		
16,625.0	10,360.0	16,344.9	9,645.4	60.1	60.8	55.27	6,755.2	-378.1	1,265.3	1,149.1	116.22	10.888		
16,700.0	10,360.3	16,416.8	9,643.3	60.6	61.4	55.12	6,827.0	-380.6	1,264.7	1,147.5	117.29	10.783		
16,720.0	10,360.4	16,447.4	9,643.0	60.7	61.7	55.08	6,857.6	-381.4	1,264.5	1,146.8	117.66	10.747		
16,800.0	10,360.7	16,563.6	9,647.5	61.3	62.7	55.19	6,973.7	-383.2	1,262.0	1,142.9	119.08	10.598		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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			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		
16,815.0	10,360.8	16,584.4	9,649.0	61.4	62.8	55.24	6,994.4	-383.5	1,261.3	1,142.0	119.34	10.569			
16,900.0	10,361.2	16,671.6	9,656.1	61.9	63.6	55.47	7,081.4	-384.4	1,256.9	1,136.2	120.67	10.416			
16,910.0	10,361.2	16,681.3	9,656.9	62.0	63.6	55.50	7,091.0	-384.5	1,256.4	1,135.6	120.82	10.399			
17,000.0	10,361.6	16,769.1	9,664.4	62.6	64.4	55.76	7,178.5	-385.1	1,251.9	1,129.7	122.21	10.244			
17,005.0	10,361.6	16,773.9	9,664.8	62.6	64.4	55.77	7,183.3	-385.1	1,251.7	1,129.4	122.29	10.236			
17,100.0	10,362.0	16,844.4	9,670.3	63.2	65.0	55.97	7,253.5	-385.2	1,247.9	1,124.2	123.63	10.094			
17,195.0	10,362.4	16,910.1	9,673.0	63.8	65.6	56.07	7,319.2	-385.1	1,246.2	1,121.3	124.87	9.980			
17,200.0	10,362.4	16,913.5	9,673.1	63.9	65.6	56.07	7,322.6	-385.1	1,246.2	1,121.2	124.94	9.975			
17,216.7	10,362.5	16,924.9	9,673.2	64.0	65.7	56.08	7,333.9	-385.0	1,246.2	1,121.0	125.15	9.958			
17,290.0	10,362.8	16,979.0	9,672.9	64.5	66.1	56.07	7,388.1	-384.8	1,246.9	1,120.8	126.07	9.890			
17,300.0	10,362.8	16,983.1	9,672.9	64.5	66.2	56.06	7,392.2	-384.8	1,247.0	1,120.9	126.17	9.884			
17,385.0	10,363.2	17,073.3	9,671.0	65.1	66.9	55.99	7,482.3	-384.5	1,248.6	1,121.1	127.49	9.794			
17,400.0	10,363.2	17,086.9	9,670.7	65.2	67.0	55.98	7,496.0	-384.5	1,248.8	1,121.1	127.70	9.779			
17,480.0	10,363.6	17,159.0	9,668.5	65.7	67.7	55.89	7,568.0	-384.5	1,250.5	1,121.6	128.82	9.707			
17,500.0	10,363.6	17,177.2	9,667.8	65.8	67.8	55.86	7,586.2	-384.6	1,250.9	1,121.8	129.09	9.690			
17,575.0	10,364.0	17,246.8	9,664.9	66.3	68.4	55.74	7,655.7	-384.6	1,253.0	1,122.8	130.15	9.627			
17,600.0	10,364.1	17,271.4	9,663.7	66.5	68.6	55.69	7,680.3	-384.7	1,253.7	1,123.2	130.52	9.606			
17,670.0	10,364.3	17,352.2	9,660.5	67.0	69.3	55.56	7,761.1	-384.7	1,255.5	1,123.8	131.68	9.535			
17,700.0	10,364.5	17,380.7	9,659.7	67.2	69.5	55.52	7,789.6	-384.7	1,256.1	1,124.0	132.11	9.508			
17,765.0	10,364.7	17,439.8	9,658.1	67.6	70.0	55.47	7,848.6	-384.3	1,257.7	1,124.7	133.02	9.455			
17,800.0	10,364.9	17,473.8	9,657.4	67.8	70.3	55.45	7,882.6	-383.9	1,258.7	1,125.1	133.54	9.426			
17,860.0	10,365.1	17,535.1	9,656.7	68.2	70.8	55.45	7,943.9	-382.6	1,260.3	1,125.8	134.47	9.373			
17,900.0	10,365.3	17,573.6	9,656.7	68.5	71.2	55.47	7,982.3	-381.5	1,261.4	1,126.3	135.06	9.339			
17,955.0	10,365.5	17,624.9	9,656.7	68.9	71.6	55.51	8,033.6	-379.9	1,263.0	1,127.1	135.86	9.296			
18,000.0	10,365.7	17,699.2	9,657.5	69.2	72.2	55.59	8,107.9	-377.7	1,264.1	1,127.3	136.86	9.236			
18,050.0	10,365.9	17,767.6	9,660.1	69.5	72.8	55.71	8,176.2	-376.6	1,263.8	1,126.0	137.80	9.171			
18,100.0	10,366.1	17,813.3	9,662.0	69.9	73.2	55.80	8,221.9	-375.8	1,263.6	1,125.0	138.55	9.120			
18,145.0	10,366.3	17,854.6	9,663.8	70.2	73.5	55.88	8,263.1	-374.9	1,263.5	1,124.3	139.22	9.076			
18,153.6	10,366.3	17,862.5	9,664.1	70.2	73.6	55.89	8,271.1	-374.7	1,263.5	1,124.1	139.34	9.067			
18,200.0	10,366.5	17,905.1	9,665.9	70.5	73.9	55.99	8,313.6	-373.6	1,263.6	1,123.5	140.03	9.023			
18,240.0	10,366.7	17,944.2	9,667.6	70.8	74.3	56.07	8,352.7	-372.5	1,263.7	1,123.1	140.65	8.985			
18,300.0	10,367.0	18,007.5	9,670.7	71.2	74.8	56.23	8,415.9	-370.5	1,263.9	1,122.2	141.62	8.924			
18,335.0	10,367.1	18,039.2	9,672.2	71.4	75.1	56.31	8,447.4	-369.6	1,263.9	1,121.8	142.14	8.892			
18,400.0	10,367.4	18,093.0	9,673.4	71.9	75.5	56.38	8,501.3	-368.5	1,264.5	1,121.4	143.04	8.840			
18,430.0	10,367.5	18,118.4	9,673.2	72.1	75.7	56.37	8,526.6	-368.3	1,264.9	1,121.5	143.46	8.817			
18,500.0	10,367.8	18,186.3	9,672.1	72.6	76.3	56.33	8,594.6	-368.0	1,266.1	1,121.6	144.50	8.762			
18,525.0	10,367.9	18,210.7	9,671.5	72.7	76.5	56.31	8,619.0	-367.9	1,266.6	1,121.7	144.87	8.743			
18,600.0	10,368.2	18,290.8	9,669.4	73.3	77.2	56.22	8,699.0	-368.1	1,267.8	1,121.8	146.06	8.680			
18,620.0	10,368.3	18,310.6	9,668.8	73.4	77.4	56.19	8,718.8	-368.3	1,268.1	1,121.7	146.36	8.664			
18,700.0	10,368.6	18,379.8	9,666.6	73.9	77.9	56.09	8,787.9	-368.5	1,269.6	1,122.2	147.46	8.610			
18,715.0	10,368.7	18,398.0	9,666.0	74.0	78.1	56.07	8,806.2	-368.5	1,270.0	1,122.3	147.72	8.597			
18,800.0	10,369.0	18,471.3	9,663.3	74.6	78.7	55.97	8,879.4	-368.2	1,272.3	1,123.4	148.88	8.546			
18,810.0	10,369.1	18,480.6	9,663.0	74.7	78.8	55.95	8,888.7	-368.1	1,272.6	1,123.6	149.02	8.540			
18,900.0	10,369.4	18,608.3	9,660.5	75.3	79.9	55.85	9,016.4	-368.0	1,274.0	1,123.2	150.78	8.450			
18,905.0	10,369.5	18,613.7	9,660.5	75.3	79.9	55.85	9,021.7	-368.0	1,274.0	1,123.2	150.86	8.445			
19,000.0	10,369.9	18,726.2	9,660.8	76.0	80.9	55.83	9,134.3	-368.9	1,273.7	1,121.2	152.46	8.354			
19,095.0	10,370.3	18,826.7	9,661.1	76.7	81.7	55.76	9,234.7	-371.6	1,271.7	1,117.8	153.95	8.261			
19,100.0	10,370.3	18,830.9	9,661.1	76.7	81.8	55.76	9,238.9	-371.7	1,271.7	1,117.6	154.02	8.256			
19,190.0	10,370.6	18,922.9	9,661.5	77.3	82.5	55.72	9,330.9	-373.5	1,270.4	1,115.0	155.42	8.174			
19,200.0	10,370.7	18,935.2	9,661.8	77.4	82.7	55.72	9,343.2	-373.6	1,270.2	1,114.6	155.59	8.164			
19,285.0	10,371.0	19,020.5	9,664.6	78.0	83.4	55.80	9,428.4	-374.4	1,268.3	1,111.4	156.92	8.082			

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	Minimum Separation	Separation Factor
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)	
19,300.0	10,371.1	19,034.2	9,665.0	78.1	83.5	55.81	9,442.2	-374.5	1,268.0	1,110.8	157.14	8.069
19,380.0	10,371.4	19,111.4	9,667.1	78.6	84.1	55.86	9,519.3	-375.2	1,266.5	1,108.2	158.37	7.997
19,400.0	10,371.5	19,131.2	9,667.5	78.8	84.3	55.87	9,539.1	-375.4	1,266.2	1,107.5	158.68	7.980
19,475.0	10,371.8	19,267.7	9,672.4	79.3	85.5	55.95	9,675.5	-378.8	1,263.7	1,103.6	160.11	7.893
19,500.0	10,371.9	19,328.9	9,676.5	79.5	86.0	56.01	9,736.5	-382.3	1,261.7	1,101.2	160.50	7.861
19,570.0	10,372.2	19,393.0	9,681.2	80.0	86.5	56.07	9,800.2	-386.9	1,255.0	1,093.4	161.60	7.766
19,600.0	10,372.3	19,416.1	9,682.7	80.2	86.7	56.08	9,823.2	-388.4	1,252.4	1,090.3	162.08	7.727
19,665.0	10,372.6	19,466.3	9,685.8	80.6	87.1	56.12	9,873.2	-391.3	1,247.3	1,084.2	163.09	7.648
19,700.0	10,372.8	19,493.5	9,687.3	80.9	87.4	56.14	9,900.3	-392.7	1,244.8	1,081.2	163.63	7.608
19,760.0	10,373.0	19,533.0	9,689.5	81.3	87.7	56.18	9,939.7	-394.4	1,241.2	1,076.6	164.52	7.544
19,800.0	10,373.2	19,562.4	9,690.9	81.6	88.0	56.20	9,969.1	-395.3	1,239.2	1,074.1	165.11	7.505
19,855.0	10,373.4	19,595.3	9,692.1	81.9	88.2	56.23	10,002.0	-395.9	1,237.4	1,071.6	165.85	7.461
19,900.0	10,373.6	19,628.0	9,693.1	82.3	88.5	56.26	10,034.6	-396.1	1,236.7	1,070.2	166.47	7.429
19,941.1	10,373.8	19,651.8	9,693.6	82.5	88.7	56.28	10,058.4	-395.9	1,236.5	1,069.5	166.97	7.406
19,950.0	10,373.8	19,658.5	9,693.7	82.6	88.8	56.29	10,065.1	-395.9	1,236.5	1,069.4	167.09	7.400
20,000.0	10,374.0	19,696.1	9,694.2	83.0	89.1	56.31	10,102.7	-395.4	1,236.8	1,069.1	167.74	7.373
20,045.0	10,374.2	19,735.9	9,694.4	83.3	89.4	56.33	10,142.5	-394.7	1,237.5	1,069.1	168.39	7.349
20,100.0	10,374.4	19,808.1	9,695.2	83.7	90.0	56.38	10,214.7	-393.7	1,238.0	1,068.6	169.43	7.307
20,140.0	10,374.6	19,857.2	9,696.3	83.9	90.4	56.43	10,263.8	-393.3	1,238.0	1,067.8	170.14	7.276
20,200.0	10,374.8	19,910.0	9,698.0	84.4	90.9	56.50	10,316.6	-393.0	1,237.5	1,066.4	171.02	7.236
20,225.7	10,374.9	19,932.4	9,698.6	84.5	91.1	56.52	10,338.9	-392.8	1,237.4	1,066.0	171.39	7.220
20,228.8	10,375.0	19,934.0	9,698.7	84.6	91.1	56.53	10,340.6	-392.8	1,237.4	1,066.0	171.42	7.218
20,235.0	10,375.0	19,937.3	9,698.7	84.6	91.1	56.53	10,343.8	-392.8	1,237.4	1,065.9	171.49	7.216
20,300.0	10,375.2	19,971.7	9,698.7	85.1	91.4	56.54	10,378.2	-392.1	1,238.7	1,066.5	172.15	7.195
20,330.0	10,375.4	20,005.0	9,697.8	85.3	91.7	56.53	10,411.5	-391.2	1,240.0	1,067.4	172.65	7.182
20,400.0	10,375.7	20,077.0	9,695.4	85.8	92.3	56.47	10,483.5	-389.5	1,242.9	1,069.2	173.76	7.153
20,425.0	10,375.8	20,116.1	9,694.5	86.0	92.6	56.44	10,522.5	-389.3	1,243.4	1,069.1	174.31	7.133
20,500.0	10,376.1	20,205.1	9,693.2	86.5	93.4	56.37	10,611.5	-389.6	1,244.1	1,068.5	175.61	7.084
20,520.0	10,376.2	20,223.2	9,693.0	86.6	93.6	56.35	10,629.7	-389.8	1,244.2	1,068.3	175.90	7.073
20,600.0	10,376.5	20,299.9	9,691.4	87.2	94.2	56.27	10,706.3	-390.4	1,244.9	1,067.8	177.10	7.029
20,615.0	10,376.6	20,319.5	9,690.9	87.3	94.4	56.24	10,725.9	-390.6	1,245.0	1,067.6	177.38	7.019
20,700.0	10,376.9	20,411.1	9,689.4	87.9	95.2	56.13	10,817.4	-392.2	1,244.9	1,066.1	178.75	6.964
20,706.6	10,376.9	20,411.5	9,689.4	87.9	95.2	56.13	10,817.9	-392.2	1,244.9	1,066.1	178.76	6.964
20,710.0	10,376.9	20,419.1	9,689.2	88.0	95.2	56.12	10,825.5	-392.3	1,244.9	1,066.0	178.88	6.959
20,800.0	10,377.3	20,489.4	9,687.2	88.6	95.8	56.01	10,895.7	-393.3	1,245.7	1,065.6	180.06	6.918
20,805.0	10,377.3	20,492.9	9,687.1	88.6	95.9	56.01	10,899.2	-393.3	1,245.8	1,065.6	180.12	6.916
20,900.0	10,377.7	20,570.0	9,683.5	89.3	96.5	55.86	10,976.2	-393.2	1,248.7	1,067.3	181.35	6.885
20,995.0	10,378.1	20,646.9	9,678.5	90.0	97.2	55.68	11,052.9	-392.7	1,253.0	1,070.4	182.54	6.864
21,000.0	10,378.1	20,651.7	9,678.1	90.0	97.2	55.67	11,057.8	-392.7	1,253.2	1,070.6	182.61	6.863
21,090.0	10,378.5	20,709.0	9,673.8	90.7	97.7	55.50	11,114.9	-392.6	1,257.9	1,074.5	183.42	6.858 SF
21,100.0	10,378.6	20,709.0	9,673.8	90.7	97.7	55.50	11,114.9	-392.6	1,258.7	1,075.3	183.38	6.864
21,185.0	10,378.9	20,709.0	9,673.8	91.3	97.7	55.50	11,114.9	-392.6	1,268.4	1,085.8	182.64	6.945
21,200.0	10,379.0	20,709.0	9,673.8	91.5	97.7	55.50	11,114.9	-392.6	1,270.7	1,088.3	182.43	6.966
21,280.0	10,379.3	20,709.0	9,673.8	92.0	97.7	55.50	11,114.9	-392.6	1,285.9	1,104.9	180.97	7.106
21,300.0	10,379.4	20,709.0	9,673.8	92.2	97.7	55.50	11,114.9	-392.6	1,290.5	1,109.9	180.52	7.149
21,375.0	10,379.7	20,709.0	9,673.8	92.7	97.7	55.50	11,114.9	-392.6	1,310.1	1,131.5	178.53	7.338
21,400.0	10,379.8	20,709.0	9,673.8	92.9	97.7	55.50	11,114.9	-392.6	1,317.5	1,139.7	177.77	7.411

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)													
0.0	0.0	7.2	7.2	3.0	3.0	-90.26	-1.6	-355.0	355.0					
95.0	95.0	102.7	102.7	3.0	3.0	-90.21	-1.3	-355.0	355.0	348.9	6.03	58.886		
100.0	100.0	107.8	107.8	3.0	3.0	-90.20	-1.3	-355.0	355.0	348.9	6.03	58.847		
117.5	117.5	124.7	124.7	3.0	3.0	-90.19	-1.2	-354.9	354.9	348.9	6.05	58.672		
190.0	190.0	194.0	194.0	3.1	3.0	-90.13	-0.8	-355.3	355.3	349.1	6.17	57.608		
200.0	200.0	203.5	203.5	3.2	3.0	-90.12	-0.7	-355.3	355.4	349.2	6.19	57.424		
285.0	285.0	286.4	286.4	3.3	3.1	-90.05	-0.3	-356.5	356.5	350.2	6.35	56.183		
300.0	300.0	301.1	301.1	3.3	3.1	-90.04	-0.2	-356.7	356.8	350.4	6.38	55.932		
380.0	380.0	379.3	379.3	3.4	3.2	-89.94	0.4	-358.3	358.4	351.8	6.55	54.684		
400.0	400.0	398.8	398.8	3.4	3.2	-89.91	0.6	-358.7	358.8	352.2	6.60	54.349		
475.0	475.0	472.8	472.7	3.5	3.3	-89.79	1.3	-360.6	360.7	353.9	6.79	53.138		
500.0	500.0	497.8	497.7	3.5	3.4	-89.76	1.5	-361.3	361.4	354.5	6.86	52.705		
570.0	570.0	567.3	567.2	3.6	3.5	-89.66	2.1	-363.1	363.2	356.2	7.05	51.522		
600.0	600.0	597.0	596.9	3.6	3.5	-89.63	2.4	-363.9	364.1	356.9	7.14	51.005		
665.0	665.0	662.2	662.0	3.7	3.7	-89.57	2.7	-365.8	365.9	358.6	7.33	49.896		
700.0	700.0	697.6	697.4	3.8	3.7	-89.55	2.9	-366.7	366.9	359.4	7.45	49.277		
760.0	760.0	760.1	760.0	3.8	3.9	-89.55	2.9	-368.2	368.3	360.7	7.64	48.185		
800.0	800.0	802.2	802.0	3.9	4.0	-89.57	2.8	-368.9	369.0	361.2	7.78	47.419		
855.0	855.0	858.4	858.2	4.0	4.1	-89.62	2.4	-369.6	369.7	361.7	7.94	46.584		
900.0	900.0	904.5	904.3	4.0	4.2	-89.69	2.0	-370.1	370.1	362.0	8.05	45.963		
950.0	950.0	956.2	956.0	4.1	4.2	-89.79	1.4	-370.4	370.4	362.2	8.15	45.444		
1,000.0	1,000.0	1,006.9	1,006.7	4.1	4.3	-89.88	0.8	-370.5	370.5	362.2	8.28	44.765		
1,045.0	1,045.0	1,052.6	1,052.4	4.2	4.4	-89.97	0.2	-370.5	370.5	362.1	8.39	44.170		
1,100.0	1,100.0	1,108.4	1,108.2	4.3	4.5	-90.08	-0.5	-370.4	370.4	361.9	8.52	43.469		
1,140.0	1,140.0	1,149.0	1,148.8	4.3	4.5	-90.17	-1.1	-370.3	370.3	361.6	8.62	42.969		
1,200.0	1,200.0	1,209.5	1,209.3	4.4	4.6	-90.30	-2.0	-370.0	370.0	361.2	8.76	42.229		
1,235.0	1,235.0	1,245.0	1,244.7	4.4	4.7	-90.39	-2.5	-369.7	369.7	360.9	8.84	41.811		
1,300.0	1,300.0	1,311.3	1,311.1	4.5	4.8	-90.55	-3.6	-369.1	369.2	360.2	9.00	41.037		
1,330.0	1,330.0	1,342.7	1,342.5	4.5	4.9	-90.63	-4.1	-368.8	368.8	359.8	9.07	40.678		
1,400.0	1,400.0	1,416.6	1,416.3	4.6	5.0	-90.85	-5.4	-367.3	367.4	358.2	9.23	39.797		
1,425.0	1,425.0	1,441.6	1,441.3	4.6	5.1	-90.93	-5.9	-366.7	366.8	357.5	9.29	39.474		
1,500.0	1,500.0	1,516.6	1,516.3	4.7	5.2	-91.20	-7.6	-364.7	364.9	355.5	9.47	38.519		
1,520.0	1,520.0	1,536.3	1,536.0	4.7	5.3	-16.18	-8.1	-364.2	364.4	354.8	9.54	38.184		
1,600.0	1,600.0	1,615.6	1,615.2	4.8	5.4	-16.56	-9.8	-362.4	360.9	351.1	9.82	36.759		
1,615.0	1,615.0	1,630.8	1,630.4	4.9	5.5	-16.64	-10.1	-362.0	360.1	350.2	9.88	36.428		
1,700.0	1,699.8	1,716.9	1,716.5	5.0	5.7	-17.18	-11.8	-359.8	353.5	343.2	10.26	34.463		
1,710.0	1,709.8	1,727.0	1,726.6	5.0	5.7	-17.25	-11.9	-359.6	352.5	342.2	10.30	34.219		
1,800.0	1,799.5	1,812.7	1,812.2	5.3	6.0	-17.96	-13.5	-357.2	342.5	331.7	10.77	31.788		
1,805.0	1,804.4	1,816.8	1,816.3	5.3	6.0	-18.00	-13.5	-357.1	341.9	331.1	10.81	31.632		
1,900.0	1,898.7	1,897.2	1,896.7	5.6	6.5	-19.04	-16.2	-357.8	331.9	320.4	11.43	29.034		
1,995.0	1,992.5	1,998.1	1,997.4	5.9	6.7	-20.68	-19.7	-359.1	319.4	307.6	11.80	27.063		
2,000.0	1,997.5	2,002.9	2,002.3	5.9	6.7	-20.76	-19.8	-359.1	318.6	306.8	11.82	26.954		
2,090.0	2,085.8	2,091.7	2,091.0	6.2	6.8	-22.49	-22.3	-359.6	303.5	291.3	12.18	24.920		
2,100.0	2,095.6	2,101.9	2,101.3	6.2	6.9	-22.71	-22.6	-359.6	301.6	289.4	12.22	24.685		
2,185.0	2,178.5	2,189.7	2,189.0	6.5	7.1	-24.77	-24.3	-359.2	284.1	271.5	12.57	22.594		
2,200.0	2,193.1	2,205.7	2,205.0	6.6	7.1	-25.20	-24.6	-358.9	280.6	268.0	12.64	22.200		
2,280.0	2,270.7	2,289.5	2,288.8	6.8	7.3	-27.54	-25.8	-356.1	260.8	247.8	12.93	20.162		
2,300.0	2,290.1	2,309.9	2,309.1	6.9	7.3	-28.19	-26.1	-355.1	255.6	242.6	13.00	19.659		
2,375.0	2,362.9	2,381.8	2,380.9	7.2	7.5	-30.75	-27.2	-351.0	235.9	222.6	13.26	17.791		
2,400.0	2,387.1	2,403.1	2,402.2	7.2	7.6	-31.60	-27.7	-350.0	229.7	216.4	13.35	17.206		
2,470.0	2,455.0	2,463.7	2,462.8	7.5	7.7	-34.26	-29.3	-348.4	214.1	200.5	13.59	15.759		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		
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	
2,500.0	2,484.1	2,490.8	2,489.9	7.6	7.8	-35.54	-30.2	-348.1	208.2	194.5	13.67	15.226		
2,565.0	2,547.2	2,551.0	2,550.0	7.8	8.0	-38.61	-32.4	-348.4	196.6	182.8	13.85	14.200		
2,600.0	2,581.2	2,582.3	2,581.2	7.9	8.0	-40.30	-33.6	-349.0	191.2	177.2	13.92	13.729		
2,660.0	2,639.4	2,638.1	2,637.0	8.2	8.1	-43.41	-35.6	-350.8	182.9	168.8	14.06	13.012		
2,700.0	2,678.2	2,677.1	2,676.0	8.3	8.2	-45.66	-37.0	-352.4	178.1	163.9	14.15	12.586		
2,755.0	2,731.6	2,731.4	2,730.2	8.5	8.2	-49.01	-38.9	-354.6	171.7	157.5	14.28	12.028		
2,800.0	2,775.2	2,774.4	2,773.1	8.7	8.3	-51.79	-40.3	-356.3	167.0	152.6	14.39	11.605		
2,850.0	2,823.7	2,821.8	2,820.5	8.9	8.3	-54.86	-41.8	-358.8	162.7	148.2	14.53	11.197		
2,900.0	2,872.3	2,869.7	2,868.2	9.1	8.4	-57.92	-43.1	-362.0	159.3	144.7	14.68	10.852		
2,945.0	2,915.9	2,912.9	2,911.3	9.3	8.4	-60.70	-44.3	-365.2	157.0	142.2	14.82	10.593		
3,000.0	2,969.3	2,966.1	2,964.3	9.5	8.5	-64.10	-45.9	-369.6	155.1	140.1	15.00	10.335		
3,040.0	3,008.1	3,005.0	3,003.0	9.7	8.5	-66.56	-47.0	-373.1	154.2	139.0	15.14	10.184		
3,100.0	3,066.3	3,064.1	3,061.8	9.9	8.5	-70.27	-48.8	-378.6	153.6	138.2	15.35	10.004		
3,132.6	3,098.0	3,096.4	3,093.9	10.1	8.6	-72.34	-49.8	-381.5	153.5	138.0	15.47	9.923 CC		
3,135.0	3,100.3	3,098.7	3,096.3	10.1	8.6	-72.49	-49.8	-381.8	153.5	138.0	15.48	9.917 ES		
3,200.0	3,163.4	3,162.7	3,159.9	10.3	8.7	-76.65	-51.8	-387.4	153.9	138.2	15.72	9.792		
3,230.0	3,192.5	3,192.1	3,189.2	10.5	8.7	-78.57	-52.8	-389.9	154.4	138.6	15.83	9.754		
3,300.0	3,260.4	3,261.1	3,257.9	10.8	8.8	-83.03	-55.1	-395.8	156.4	140.2	16.12	9.702		
3,325.0	3,284.6	3,285.8	3,282.6	10.9	8.8	-84.61	-55.9	-398.0	157.2	141.0	16.22	9.695		
3,400.0	3,357.4	3,359.9	3,356.3	11.2	8.9	-89.23	-58.3	-404.2	160.5	144.0	16.54	9.707		
3,420.0	3,376.8	3,379.6	3,375.9	11.3	9.0	-90.43	-58.9	-405.8	161.5	144.9	16.62	9.717		
3,500.0	3,454.4	3,458.4	3,454.4	11.6	9.1	-95.13	-61.4	-412.2	166.4	149.4	17.01	9.781		
3,515.0	3,469.0	3,473.1	3,469.1	11.7	9.1	-95.98	-61.8	-413.3	167.4	150.3	17.09	9.798		
3,600.0	3,551.5	3,557.0	3,552.7	12.1	9.3	-100.67	-64.4	-419.9	173.8	156.3	17.53	9.920		
3,610.0	3,561.2	3,566.9	3,562.5	12.1	9.3	-101.20	-64.7	-420.7	174.7	157.1	17.58	9.936		
3,700.0	3,648.5	3,655.0	3,650.4	12.5	9.5	-105.72	-67.3	-427.6	182.7	164.7	18.07	10.114		
3,705.0	3,653.3	3,659.9	3,655.2	12.5	9.5	-105.96	-67.5	-428.0	183.2	165.1	18.09	10.125		
3,800.0	3,745.5	3,752.3	3,747.3	13.0	9.7	-110.07	-70.7	-435.8	193.3	174.7	18.62	10.381		
3,895.0	3,837.7	3,845.5	3,839.9	13.4	9.9	-113.32	-74.5	-445.2	204.6	185.5	19.14	10.694		
3,900.0	3,842.6	3,850.5	3,844.8	13.4	9.9	-113.49	-74.7	-445.7	205.3	186.1	19.16	10.711		
3,990.0	3,929.9	3,939.0	3,932.8	13.8	10.2	-116.24	-78.3	-454.7	216.6	197.0	19.65	11.024		
4,000.0	3,939.6	3,948.8	3,942.6	13.9	10.2	-116.52	-78.8	-455.7	217.9	198.2	19.71	11.060		
4,085.0	4,022.1	4,032.1	4,025.3	14.3	10.4	-118.80	-82.4	-464.2	229.3	209.1	20.16	11.370		
4,100.0	4,036.6	4,046.8	4,039.9	14.3	10.5	-119.19	-83.0	-465.6	231.3	211.1	20.25	11.426		
4,180.0	4,114.2	4,125.1	4,117.8	14.7	10.7	-121.19	-86.5	-473.3	242.6	221.9	20.68	11.728		
4,200.0	4,133.6	4,144.7	4,137.3	14.8	10.7	-121.67	-87.4	-475.1	245.4	224.7	20.79	11.804		
4,275.0	4,206.4	4,217.9	4,210.1	15.1	10.9	-123.43	-90.7	-481.8	256.5	235.3	21.21	12.091		
4,300.0	4,230.7	4,242.2	4,234.3	15.3	11.0	-124.00	-91.8	-483.9	260.3	238.9	21.35	12.190		
4,370.0	4,298.6	4,310.3	4,302.1	15.6	11.2	-125.49	-95.1	-489.9	271.1	249.3	21.74	12.467		
4,400.0	4,327.7	4,339.6	4,331.2	15.7	11.3	-126.09	-96.6	-492.5	275.8	253.9	21.91	12.588		
4,465.0	4,390.8	4,402.5	4,393.8	16.0	11.5	-127.29	-99.9	-498.1	286.3	264.0	22.27	12.855		
4,500.0	4,424.7	4,436.3	4,427.4	16.2	11.6	-127.89	-101.8	-501.1	292.1	269.6	22.47	13.002		
4,560.0	4,483.0	4,494.6	4,485.4	16.5	11.8	-128.88	-105.1	-506.3	302.2	279.4	22.80	13.255		
4,600.0	4,521.8	4,533.5	4,524.0	16.6	11.9	-129.51	-107.4	-509.6	309.1	286.1	23.03	13.424		
4,655.0	4,575.1	4,586.3	4,576.6	16.9	12.1	-130.35	-110.5	-514.0	318.7	295.4	23.34	13.658		
4,700.0	4,618.8	4,629.5	4,619.5	17.1	12.3	-131.01	-113.2	-517.5	326.8	303.2	23.59	13.854		
4,750.0	4,667.3	4,677.9	4,667.7	17.3	12.4	-131.72	-116.3	-521.3	335.9	312.1	23.87	14.070		
4,800.0	4,715.8	4,726.4	4,715.9	17.6	12.6	-132.41	-119.3	-525.0	345.2	321.0	24.16	14.286		
4,845.0	4,759.5	4,769.7	4,759.1	17.8	12.7	-133.01	-122.2	-528.2	353.6	329.2	24.42	14.480		
4,900.0	4,812.9	4,822.7	4,811.8	18.0	12.9	-133.70	-125.7	-532.1	364.1	339.4	24.74	14.720		
4,940.0	4,851.7	4,861.6	4,850.5	18.2	13.1	-134.18	-128.3	-534.9	371.9	346.9	24.97	14.892		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
5,000.0	4,909.9	4,920.0	4,908.6	18.5	13.3	-134.86	-132.4	-539.1	383.5	358.2	25.32	15.147		
5,035.0	4,943.8	4,953.9	4,942.3	18.7	13.4	-135.24	-134.7	-541.6	390.4	364.8	25.52	15.295		
5,100.0	5,006.9	5,016.4	5,004.5	19.0	13.6	-135.97	-138.9	-545.6	403.2	377.4	25.90	15.570		
5,130.0	5,036.0	5,045.2	5,033.2	19.1	13.7	-136.32	-140.8	-547.3	409.3	383.2	26.08	15.696		
5,200.0	5,103.9	5,112.3	5,100.2	19.5	13.9	-137.14	-145.1	-550.9	423.5	397.1	26.49	15.987		
5,225.0	5,128.2	5,137.0	5,124.8	19.6	14.0	-137.44	-146.7	-552.1	428.7	402.0	26.65	16.086		
5,300.0	5,201.0	5,211.8	5,199.3	19.9	14.3	-138.36	-151.1	-555.5	444.0	416.9	27.12	16.370		
5,320.0	5,220.4	5,233.4	5,220.9	20.0	14.4	-138.61	-152.3	-556.6	448.1	420.8	27.27	16.433		
5,400.0	5,298.0	5,318.2	5,305.3	20.4	14.6	-139.43	-156.7	-562.1	463.3	435.5	27.79	16.669		
5,415.0	5,312.6	5,332.8	5,319.9	20.5	14.7	-139.56	-157.4	-563.2	466.1	438.2	27.88	16.719		
5,500.0	5,395.0	5,417.4	5,404.2	20.9	15.0	-140.32	-161.5	-568.9	481.9	453.6	28.37	16.986		
5,510.0	5,404.7	5,427.9	5,414.7	20.9	15.0	-140.41	-162.0	-569.7	483.8	455.3	28.43	17.014		
5,600.0	5,492.1	5,521.1	5,507.5	21.4	15.3	-141.11	-166.1	-577.1	499.8	470.8	28.97	17.253		
5,605.0	5,496.9	5,526.1	5,512.5	21.4	15.3	-141.14	-166.3	-577.5	500.6	471.6	28.99	17.266		
5,700.0	5,589.1	5,619.6	5,605.5	21.8	15.7	-141.71	-170.5	-585.9	517.1	487.5	29.52	17.518		
5,795.0	5,681.3	5,714.4	5,699.9	22.3	16.0	-142.29	-174.7	-593.9	533.8	503.8	30.05	17.763		
5,800.0	5,686.1	5,719.9	5,705.4	22.3	16.0	-142.32	-175.0	-594.4	534.7	504.6	30.08	17.773		
5,890.0	5,773.4	5,816.5	5,801.5	22.8	16.3	-142.82	-178.5	-603.8	549.3	518.7	30.62	17.942		
5,900.0	5,783.1	5,826.9	5,811.8	22.8	16.4	-142.87	-178.8	-604.8	550.9	520.2	30.67	17.959		
5,985.0	5,865.6	5,910.2	5,894.6	23.2	16.6	-143.29	-181.2	-613.3	564.0	532.9	31.14	18.115		
6,000.0	5,880.2	5,924.1	5,908.4	23.3	16.7	-143.36	-181.7	-614.6	566.4	535.2	31.21	18.146		
6,080.0	5,957.8	5,998.4	5,982.4	23.7	16.9	-143.76	-184.1	-621.5	579.5	547.9	31.64	18.316		
6,100.0	5,977.2	6,017.0	6,000.9	23.8	17.0	-143.86	-184.7	-623.1	582.9	551.1	31.75	18.360		
6,175.0	6,050.0	6,087.4	6,071.0	24.1	17.2	-144.26	-187.2	-628.9	595.8	563.6	32.16	18.527		
6,200.0	6,074.2	6,111.2	6,094.7	24.2	17.3	-144.40	-188.0	-630.7	600.2	567.9	32.30	18.582		
6,270.0	6,142.2	6,179.4	6,162.7	24.6	17.6	-144.81	-190.3	-635.6	612.7	580.0	32.71	18.731		
6,300.0	6,171.3	6,210.3	6,193.5	24.7	17.7	-144.99	-191.4	-637.9	618.0	585.1	32.89	18.787		
6,365.0	6,234.3	6,276.8	6,259.7	25.0	17.9	-145.35	-193.5	-643.1	629.3	596.0	33.29	18.902		
6,400.0	6,268.3	6,312.3	6,295.1	25.2	18.0	-145.54	-194.6	-646.0	635.3	601.8	33.51	18.960		
6,460.0	6,326.5	6,370.8	6,353.4	25.5	18.2	-145.85	-196.2	-650.6	645.5	611.7	33.86	19.065		
6,500.0	6,365.3	6,407.9	6,390.4	25.7	18.3	-146.07	-197.1	-653.3	652.5	618.4	34.09	19.141		
6,555.0	6,418.7	6,459.6	6,442.0	25.9	18.5	-146.40	-198.3	-656.5	662.2	627.8	34.41	19.244		
6,600.0	6,462.4	6,502.8	6,485.1	26.2	18.6	-146.70	-199.1	-659.0	670.3	635.6	34.69	19.324		
6,650.0	6,510.9	6,550.4	6,532.6	26.4	18.8	-147.04	-199.9	-661.4	679.4	644.4	35.00	19.413		
6,700.0	6,559.4	6,597.2	6,579.4	26.6	18.9	-147.43	-200.3	-663.2	688.7	653.4	35.32	19.501		
6,745.0	6,603.0	6,643.6	6,625.8	26.9	19.0	-147.87	-200.2	-664.4	697.2	661.5	35.65	19.556		
6,800.0	6,656.4	6,711.6	6,693.7	27.1	19.2	-148.42	-200.1	-667.4	706.8	670.7	36.14	19.560		
6,840.0	6,695.2	6,754.0	6,736.0	27.3	19.3	-148.69	-200.1	-670.2	713.3	676.9	36.43	19.581		
6,900.0	6,753.4	6,815.5	6,797.3	27.6	19.5	-148.97	-200.9	-675.4	722.9	686.1	36.84	19.625		
6,935.0	6,787.4	6,842.9	6,824.6	27.8	19.6	-149.07	-201.5	-677.8	728.6	691.6	37.01	19.686		
7,000.0	6,850.5	6,893.8	6,875.3	28.1	19.8	-149.30	-202.8	-681.4	740.2	702.8	37.35	19.819		
7,030.0	6,879.6	6,918.8	6,900.3	28.2	19.8	-149.43	-203.4	-682.7	745.9	708.3	37.51	19.884		
7,100.0	6,947.5	6,984.3	6,965.7	28.6	20.1	-149.72	-205.7	-686.5	759.4	721.5	37.94	20.019		
7,125.0	6,971.8	7,009.1	6,990.4	28.7	20.2	-149.81	-206.8	-688.1	764.4	726.3	38.10	20.064		
7,200.0	7,044.5	7,107.4	7,088.2	29.1	20.5	-150.06	-210.9	-696.3	777.9	739.2	38.73	20.085		
7,220.0	7,063.9	7,120.8	7,101.6	29.2	20.6	-150.09	-211.4	-697.5	781.3	742.5	38.81	20.130		
7,300.0	7,141.6	7,193.0	7,173.5	29.5	20.8	-150.31	-213.9	-703.1	795.8	756.5	39.28	20.258		
7,315.0	7,156.1	7,202.0	7,182.5	29.6	20.9	-150.35	-214.2	-703.6	798.6	759.2	39.34	20.299		
7,400.0	7,238.6	7,291.7	7,271.7	30.0	21.2	-150.53	-218.4	-711.2	814.2	774.3	39.90	20.404		
7,410.0	7,248.3	7,301.0	7,281.1	30.1	21.3	-150.53	-218.9	-712.1	816.0	776.1	39.96	20.420		
7,505.0	7,340.5	7,392.2	7,371.7	30.5	21.6	-150.63	-224.0	-720.6	833.5	792.9	40.52	20.570		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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:											
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)						
7,508.6	7,343.9	7,396.6	7,376.1	30.6	21.6	-150.63	-224.2	-721.0	834.1	793.6	40.54	20.573		
7,600.0	7,433.0	7,496.3	7,475.2	31.0	22.0	-150.82	-229.0	-731.1	848.6	807.4	41.14	20.626		
7,695.0	7,526.2	7,572.0	7,550.5	31.5	22.4	-151.01	-232.3	-736.9	862.3	820.7	41.58	20.741		
7,700.0	7,531.1	7,572.0	7,550.5	31.5	22.4	-151.01	-232.3	-736.9	863.0	821.4	41.57	20.760		
7,790.0	7,619.9	7,677.5	7,655.7	31.9	22.7	-151.13	-236.7	-743.9	874.1	831.9	42.17	20.727		
7,800.0	7,629.8	7,698.8	7,676.9	31.9	22.8	-151.11	-237.6	-745.8	875.0	832.7	42.31	20.678		
7,885.0	7,714.1	7,798.5	7,775.7	32.3	23.3	-150.80	-241.2	-758.7	878.5	835.7	42.85	20.504		
7,900.0	7,729.0	7,808.4	7,785.5	32.4	23.3	-150.76	-241.7	-759.9	879.1	836.2	42.89	20.497		
7,980.0	7,808.7	7,857.0	7,833.7	32.7	23.5	-150.57	-244.4	-765.4	882.4	839.4	43.04	20.503		
8,000.0	7,828.6	7,874.3	7,850.9	32.8	23.6	-150.49	-245.5	-767.0	883.3	840.2	43.10	20.492		
8,075.0	7,903.5	7,923.6	7,899.9	33.1	23.8	-150.26	-249.5	-771.1	887.0	843.8	43.20	20.535		
8,100.0	7,928.4	7,949.0	7,925.1	33.1	23.9	-150.12	-251.8	-772.7	888.4	845.1	43.29	20.523		
8,170.0	7,998.4	8,035.6	8,011.1	33.3	24.2	-149.58	-259.3	-778.9	890.8	847.3	43.50	20.478		
8,208.6	8,037.0	8,092.7	8,067.9	33.3	24.4	135.72	-263.0	-784.0	890.4	846.7	43.68	20.387		
8,265.0	8,093.4	8,160.6	8,135.4	33.3	24.7	136.16	-266.0	-790.7	888.3	844.5	43.75	20.306		
8,300.0	8,128.4	8,191.0	8,165.7	33.4	24.8	136.33	-267.0	-793.4	887.0	843.3	43.72	20.288		
8,360.0	8,188.4	8,245.0	8,219.5	33.4	25.0	136.59	-268.7	-797.4	885.2	841.5	43.70	20.257		
8,400.0	8,228.4	8,287.4	8,261.7	33.4	25.2	136.82	-270.2	-800.8	884.1	840.4	43.72	20.222		
8,455.0	8,283.4	8,344.6	8,318.6	33.4	25.4	137.21	-273.0	-806.4	882.4	838.7	43.72	20.185		
8,500.0	8,328.4	8,389.4	8,363.1	33.4	25.6	137.53	-275.4	-811.0	881.0	837.3	43.70	20.161		
8,550.0	8,378.4	8,437.6	8,411.0	33.4	25.7	137.88	-277.8	-815.9	879.5	835.8	43.67	20.140		
8,600.0	8,428.4	8,481.9	8,455.0	33.4	25.9	138.18	-280.1	-820.1	878.2	834.6	43.62	20.134		
8,645.0	8,473.4	8,521.9	8,494.8	33.4	26.1	138.45	-282.3	-823.7	877.3	833.8	43.57	20.134		
8,700.0	8,528.4	8,575.5	8,548.1	33.5	26.3	138.82	-285.4	-828.4	876.5	833.0	43.55	20.128		
8,740.0	8,568.4	8,615.0	8,587.4	33.5	26.4	139.09	-287.8	-832.0	876.0	832.4	43.53	20.124		
8,800.0	8,628.4	8,675.5	8,647.5	33.5	26.7	139.50	-291.3	-837.2	875.2	831.7	43.51	20.114		
8,835.0	8,663.4	8,711.1	8,683.0	33.5	26.8	139.72	-293.1	-840.1	874.7	831.2	43.51	20.104		
8,900.0	8,728.4	10,036.3	9,547.1	33.5	28.2	87.24	386.0	-1,161.3	847.5	806.7	40.85	20.745		
8,930.0	8,758.4	10,038.0	9,547.2	33.5	28.2	86.86	387.6	-1,161.5	818.9	777.7	41.14	19.902		
9,000.0	8,828.4	10,041.1	9,547.3	33.5	28.2	86.14	390.7	-1,162.0	752.3	710.4	41.89	17.960		
9,025.0	8,853.4	10,035.1	9,547.1	33.5	28.2	87.54	384.7	-1,161.2	728.8	686.6	42.19	17.274		
9,100.0	8,928.4	10,038.0	9,547.3	33.6	28.2	86.87	387.6	-1,161.6	658.6	615.4	43.18	15.253		
9,120.0	8,948.4	10,038.7	9,547.3	33.6	28.2	86.68	388.3	-1,161.8	640.1	596.6	43.47	14.723		
9,200.0	9,028.4	10,041.9	9,547.4	33.6	28.2	85.95	391.4	-1,162.3	566.9	522.1	44.82	12.649		
9,215.0	9,043.4	10,042.5	9,547.5	33.6	28.2	85.81	392.0	-1,162.4	553.4	508.3	45.11	12.269		
9,300.0	9,128.4	10,045.9	9,547.6	33.6	28.2	85.02	395.3	-1,162.9	478.6	431.6	46.99	10.185		
9,310.0	9,138.4	10,046.3	9,547.6	33.6	28.2	84.93	395.7	-1,163.0	470.0	422.8	47.24	9.949		
9,400.0	9,228.4	10,049.9	9,547.8	33.6	28.2	84.08	399.3	-1,163.6	395.7	345.9	49.87	7.935		
9,405.0	9,233.4	10,050.1	9,547.8	33.6	28.2	84.03	399.5	-1,163.6	391.8	341.8	50.04	7.830		
9,500.0	9,328.4	10,054.0	9,548.0	33.7	28.2	83.12	403.3	-1,164.2	322.7	269.2	53.54	6.028		
9,595.0	9,423.4	10,057.9	9,548.1	33.7	28.2	82.20	407.2	-1,164.8	269.9	212.9	56.99	4.735		
9,600.0	9,428.4	10,058.1	9,548.2	33.7	28.2	82.15	407.4	-1,164.9	267.7	210.6	57.13	4.686		
9,690.0	9,518.4	10,061.8	9,548.3	33.7	28.2	81.26	411.1	-1,165.4	243.9	186.1	57.83	4.218		
9,700.0	9,528.4	10,062.3	9,548.3	33.7	28.2	81.16	411.5	-1,165.5	243.2	185.6	57.64	4.220		
9,712.8	9,541.2	10,062.8	9,548.4	33.7	28.3	81.04	412.0	-1,165.6	242.9	185.6	57.31	4.238		
9,785.0	9,613.4	10,065.8	9,548.5	33.8	28.3	80.32	415.1	-1,166.1	253.4	199.4	53.92	4.699		
9,800.0	9,628.4	10,066.5	9,548.5	33.8	28.3	80.17	415.7	-1,166.2	258.0	205.0	53.01	4.868		
9,880.0	9,708.4	10,069.9	9,548.7	33.8	28.3	79.36	419.1	-1,166.7	294.8	246.8	48.02	6.139		
9,900.0	9,728.4	10,070.8	9,548.7	33.8	28.3	79.16	419.9	-1,166.8	306.6	259.7	46.89	6.537		
9,934.6	9,763.0	10,072.3	9,548.8	33.8	28.3	78.81	421.4	-1,167.1	328.8	284.0	44.83	7.334		
9,950.0	9,778.4	10,073.1	9,548.8	33.8	28.3	77.31	422.2	-1,167.2	339.3	295.2	44.14	7.687		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)	Factor		
9,975.0	9,803.4	10,075.3	9,548.9	33.8	28.3	74.36	424.4	-1,167.5	357.0	313.9	43.14	8.276	
10,000.0	9,828.3	10,078.6	9,549.1	33.8	28.3	71.06	427.6	-1,168.0	375.4	333.1	42.28	8.878	
10,050.0	9,877.6	10,088.2	9,549.5	33.8	28.3	63.67	437.1	-1,169.4	413.3	372.3	40.93	10.096	
10,070.0	9,897.2	10,093.1	9,549.8	33.8	28.3	60.54	442.0	-1,170.2	428.7	388.2	40.52	10.581	
10,100.0	9,926.1	10,101.8	9,550.2	33.8	28.3	55.81	450.6	-1,171.4	452.1	412.1	40.00	11.301	
10,150.0	9,973.4	10,120.0	9,551.1	33.8	28.4	48.11	468.6	-1,174.0	491.0	451.6	39.39	12.463	
10,165.0	9,987.3	10,120.0	9,551.1	33.8	28.4	46.76	468.6	-1,174.0	502.6	463.4	39.24	12.810	
10,200.0	10,019.0	10,137.9	9,551.9	33.8	28.4	41.65	486.2	-1,176.5	529.3	490.3	39.00	13.571	
10,250.0	10,062.7	10,158.7	9,552.6	33.8	28.4	36.04	506.9	-1,179.3	566.7	527.9	38.78	14.613	
10,260.0	10,071.2	10,163.1	9,552.8	33.8	28.4	35.04	511.3	-1,180.0	574.0	535.2	38.75	14.813	
10,300.0	10,104.2	10,181.8	9,553.2	33.8	28.5	31.36	529.7	-1,182.5	602.6	563.9	38.67	15.582	
10,350.0	10,143.0	10,215.0	9,553.7	33.9	28.5	27.06	562.6	-1,187.0	636.9	598.2	38.69	16.462	
10,355.0	10,146.7	10,215.0	9,553.7	33.9	28.5	26.87	562.6	-1,187.0	640.1	601.5	38.68	16.551	
10,400.0	10,178.9	10,238.0	9,553.9	33.9	28.6	24.17	585.5	-1,190.1	668.8	630.1	38.72	17.275	
10,450.0	10,211.7	10,273.3	9,554.0	33.9	28.7	21.39	620.4	-1,194.9	698.2	659.4	38.84	17.978	
10,500.0	10,241.0	10,311.0	9,553.9	33.9	28.7	19.13	657.7	-1,200.1	724.7	685.7	39.00	18.582	
10,545.0	10,264.3	10,344.3	9,553.7	33.9	28.8	17.53	690.7	-1,204.6	745.9	706.7	39.17	19.043	
10,550.0	10,266.8	10,348.1	9,553.7	33.9	28.8	17.37	694.5	-1,205.1	748.1	708.9	39.19	19.089	
10,600.0	10,288.6	10,387.1	9,553.3	34.0	28.9	15.96	733.2	-1,209.9	768.2	728.8	39.40	19.497	
10,640.0	10,303.3	10,419.6	9,552.8	34.0	29.0	15.04	765.5	-1,213.6	781.8	742.2	39.58	19.751	
10,650.0	10,306.5	10,427.9	9,552.7	34.0	29.0	14.84	773.7	-1,214.4	784.9	745.2	39.63	19.803	
10,700.0	10,320.3	10,470.4	9,552.1	34.0	29.1	14.00	816.1	-1,218.2	797.9	758.0	39.88	20.006	
10,735.0	10,327.4	10,500.0	9,551.6	34.1	29.2	13.58	845.6	-1,220.3	804.8	764.8	40.06	20.090	
10,750.0	10,329.8	10,514.1	9,551.3	34.1	29.2	13.43	859.6	-1,221.1	807.2	767.1	40.15	20.107	
10,800.0	10,335.0	10,558.5	9,550.6	34.1	29.3	13.09	904.1	-1,222.9	812.6	772.2	40.42	20.106	
10,830.0	10,336.0	10,585.4	9,550.1	34.1	29.4	13.01	930.9	-1,223.4	814.0	773.5	40.56	20.070	
10,832.3	10,336.0	10,587.5	9,550.1	34.1	29.4	13.00	933.0	-1,223.4	814.1	773.5	40.57	20.065	
10,900.0	10,336.3	10,653.5	9,548.9	34.2	29.6	12.95	999.0	-1,224.0	815.5	774.5	40.92	19.927	
10,925.0	10,336.4	10,678.2	9,548.4	34.2	29.6	12.93	1,023.7	-1,224.2	816.0	774.9	41.06	19.872	
11,000.0	10,336.7	10,777.1	9,547.9	34.3	29.9	12.90	1,122.6	-1,224.7	816.7	775.1	41.63	19.619	
11,020.0	10,336.8	10,800.6	9,548.3	34.3	29.9	12.91	1,146.1	-1,224.6	816.5	774.7	41.77	19.546	
11,100.0	10,337.1	10,887.3	9,550.0	34.5	30.2	12.89	1,232.8	-1,225.3	815.1	772.8	42.32	19.261	
11,115.0	10,337.2	10,902.3	9,550.3	34.5	30.2	12.88	1,247.8	-1,225.6	814.8	772.4	42.42	19.207	
11,200.0	10,337.5	10,986.1	9,552.0	34.6	30.5	12.81	1,331.6	-1,227.2	813.1	770.1	43.00	18.909	
11,210.0	10,337.6	10,995.2	9,552.2	34.6	30.5	12.79	1,340.6	-1,227.4	812.9	769.9	43.07	18.875	
11,300.0	10,337.9	11,077.0	9,553.1	34.8	30.8	12.66	1,422.3	-1,229.6	811.8	768.1	43.68	18.586	
11,305.0	10,338.0	11,081.8	9,553.1	34.8	30.8	12.65	1,427.2	-1,229.7	811.8	768.1	43.72	18.569	
11,400.0	10,338.4	11,176.5	9,553.7	35.0	31.1	12.53	1,521.9	-1,231.8	811.2	766.7	44.45	18.249	
11,495.0	10,338.7	11,277.5	9,554.7	35.2	31.5	12.24	1,622.8	-1,236.2	809.8	764.5	45.26	17.890	
11,500.0	10,338.8	11,281.5	9,554.7	35.2	31.5	12.23	1,626.7	-1,236.4	809.7	764.4	45.30	17.875	
11,549.3	10,339.0	11,320.2	9,555.0	35.3	31.6	12.18	1,665.4	-1,237.3	809.4	763.7	45.66	17.729	
11,590.0	10,339.1	11,354.0	9,555.1	35.4	31.8	12.22	1,699.2	-1,236.8	809.6	763.7	45.96	17.617	
11,600.0	10,339.2	11,361.1	9,555.0	35.4	31.8	12.23	1,706.3	-1,236.6	809.7	763.7	46.02	17.594	
11,685.0	10,339.5	11,438.6	9,554.8	35.6	32.1	12.45	1,783.7	-1,233.4	811.2	764.5	46.72	17.363	
11,700.0	10,339.6	11,449.0	9,554.7	35.6	32.1	12.48	1,794.1	-1,232.9	811.5	764.7	46.82	17.332	
11,780.0	10,339.9	11,524.5	9,553.8	35.8	32.4	12.76	1,869.5	-1,228.8	813.7	766.2	47.52	17.126	
11,800.0	10,340.0	11,543.0	9,553.5	35.9	32.5	12.82	1,888.0	-1,227.8	814.4	766.7	47.69	17.079	
11,875.0	10,340.3	11,612.9	9,551.9	36.1	32.7	13.05	1,957.7	-1,224.1	817.3	768.9	48.35	16.902	
11,900.0	10,340.4	11,637.0	9,551.2	36.1	32.8	13.12	1,981.8	-1,223.1	818.3	769.7	48.58	16.844	
11,970.0	10,340.7	11,701.4	9,549.2	36.3	33.1	13.29	2,046.1	-1,220.1	821.5	772.3	49.22	16.690	
12,000.0	10,340.8	11,732.0	9,548.1	36.4	33.2	13.38	2,076.7	-1,218.6	823.0	773.5	49.52	16.621	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
12,065.0	10,341.1	11,866.5	9,550.5	36.6	33.8	13.79	2,211.0	-1,213.3	822.2	771.6	50.64	16.237		
12,100.0	10,341.3	11,904.9	9,552.5	36.7	33.9	13.93	2,249.3	-1,211.7	820.8	769.8	51.01	16.091		
12,160.0	10,341.5	11,969.6	9,556.5	36.9	34.2	14.20	2,313.8	-1,208.7	818.3	766.6	51.67	15.836		
12,200.0	10,341.7	12,012.4	9,559.3	37.0	34.4	14.40	2,356.5	-1,206.7	816.3	764.2	52.11	15.667		
12,255.0	10,341.9	12,071.7	9,563.5	37.2	34.7	14.66	2,415.6	-1,203.8	813.5	760.8	52.73	15.429		
12,300.0	10,342.1	12,111.0	9,566.4	37.4	34.9	14.84	2,454.7	-1,202.1	811.0	757.8	53.18	15.250		
12,350.0	10,342.3	12,157.9	9,569.6	37.5	35.1	15.02	2,501.5	-1,200.3	808.5	754.7	53.71	15.052		
12,400.0	10,342.5	12,206.0	9,572.0	37.7	35.3	15.18	2,549.5	-1,198.7	806.6	752.4	54.25	14.868		
12,445.0	10,342.7	12,237.3	9,573.3	37.9	35.5	15.27	2,580.7	-1,197.8	805.3	750.7	54.67	14.730		
12,500.0	10,342.9	12,286.2	9,575.0	38.1	35.7	15.42	2,629.6	-1,196.1	804.2	749.0	55.25	14.556		
12,540.0	10,343.1	12,324.0	9,576.2	38.2	35.9	15.54	2,667.3	-1,194.7	803.6	747.9	55.69	14.430		
12,600.0	10,343.3	12,383.3	9,577.9	38.4	36.2	15.75	2,726.6	-1,192.3	802.8	746.4	56.38	14.240		
12,635.0	10,343.5	12,412.4	9,578.8	38.6	36.4	15.85	2,755.6	-1,191.0	802.4	745.7	56.74	14.142		
12,651.6	10,343.5	12,424.5	9,579.0	38.6	36.4	15.88	2,767.7	-1,190.6	802.4	745.5	56.90	14.101		
12,700.0	10,343.7	12,459.9	9,579.1	38.8	36.6	15.94	2,803.1	-1,189.8	802.8	745.4	57.37	13.994		
12,730.0	10,343.9	12,492.0	9,578.5	38.9	36.8	15.94	2,835.2	-1,189.6	803.5	745.8	57.73	13.918		
12,800.0	10,344.2	12,539.0	9,576.8	39.2	37.0	15.89	2,882.2	-1,189.9	805.9	747.5	58.37	13.808		
12,825.0	10,344.3	12,560.0	9,575.9	39.3	37.2	15.86	2,903.1	-1,190.2	807.0	748.4	58.63	13.765		
12,900.0	10,344.6	12,628.6	9,572.1	39.6	37.5	15.71	2,971.7	-1,191.4	810.9	751.5	59.46	13.639		
12,920.0	10,344.7	12,648.1	9,571.0	39.7	37.7	15.66	2,991.1	-1,191.8	812.0	752.4	59.69	13.604		
13,000.0	10,345.0	12,750.6	9,566.0	40.0	38.2	15.45	3,093.5	-1,193.5	815.9	755.0	60.85	13.407		
13,015.0	10,345.0	12,773.4	9,565.5	40.1	38.4	15.43	3,116.3	-1,193.7	816.2	755.1	61.10	13.359		
13,100.0	10,345.4	12,858.1	9,564.1	40.4	38.9	15.36	3,200.9	-1,194.4	817.8	755.6	62.14	13.160		
13,110.0	10,345.4	12,867.9	9,564.0	40.5	38.9	15.35	3,210.8	-1,194.5	817.9	755.7	62.26	13.137		
13,200.0	10,345.8	13,004.4	9,565.7	40.9	39.8	15.06	3,347.1	-1,199.4	816.1	752.4	63.70	12.811		
13,205.0	10,345.8	13,009.4	9,565.8	40.9	39.8	15.04	3,352.1	-1,199.7	815.9	752.1	63.76	12.795		
13,300.0	10,346.2	13,104.5	9,568.7	41.3	40.4	14.77	3,447.0	-1,204.5	812.3	747.3	64.96	12.504		
13,395.0	10,346.6	13,199.2	9,571.6	41.8	41.0	14.50	3,541.6	-1,209.4	808.7	742.5	66.17	12.222		
13,400.0	10,346.6	13,204.1	9,571.7	41.8	41.0	14.48	3,546.5	-1,209.6	808.5	742.2	66.23	12.207		
13,490.0	10,347.0	13,281.9	9,573.9	42.2	41.5	14.28	3,624.1	-1,213.2	805.5	738.2	67.31	11.966		
13,500.0	10,347.1	13,289.2	9,574.0	42.3	41.5	14.27	3,631.4	-1,213.5	805.3	737.8	67.43	11.943		
13,555.7	10,347.3	13,329.6	9,574.3	42.5	41.8	14.17	3,671.8	-1,214.9	804.7	736.7	68.04	11.827		
13,585.0	10,347.4	13,352.2	9,574.1	42.7	41.9	14.12	3,694.4	-1,215.6	804.9	736.5	68.37	11.772		
13,600.0	10,347.5	13,366.9	9,573.9	42.7	42.0	14.09	3,709.1	-1,216.1	805.0	736.4	68.57	11.741		
13,680.0	10,347.8	13,442.0	9,573.0	43.1	42.5	13.94	3,784.1	-1,218.1	805.8	736.2	69.57	11.582		
13,700.0	10,347.9	13,463.4	9,572.7	43.2	42.7	13.90	3,805.5	-1,218.6	806.0	736.2	69.85	11.540		
13,775.0	10,348.2	13,532.6	9,571.4	43.6	43.1	13.77	3,874.7	-1,220.1	807.3	736.5	70.79	11.405		
13,800.0	10,348.3	13,557.8	9,570.9	43.7	43.3	13.73	3,899.9	-1,220.7	807.8	736.7	71.12	11.359		
13,870.0	10,348.6	13,629.6	9,569.4	44.1	43.8	13.60	3,971.6	-1,222.2	809.1	737.1	72.06	11.229		
13,900.0	10,348.7	13,658.9	9,568.9	44.2	44.0	13.55	4,001.0	-1,222.9	809.7	737.2	72.45	11.175		
13,965.0	10,349.0	13,722.2	9,567.5	44.5	44.4	13.42	4,064.3	-1,224.5	811.0	737.7	73.31	11.062		
14,000.0	10,349.1	13,758.0	9,566.6	44.7	44.6	13.34	4,100.0	-1,225.5	811.7	737.9	73.78	11.001		
14,060.0	10,349.4	13,819.5	9,565.3	45.0	45.0	13.21	4,161.5	-1,227.1	812.8	738.2	74.60	10.895		
14,100.0	10,349.5	13,866.3	9,564.6	45.2	45.4	13.13	4,208.2	-1,228.3	813.4	738.2	75.20	10.817		
14,155.0	10,349.8	13,930.0	9,564.3	45.5	45.8	13.01	4,271.9	-1,229.9	813.6	737.6	76.01	10.705		
14,200.0	10,350.0	13,980.0	9,564.4	45.8	46.2	12.93	4,321.9	-1,231.2	813.4	736.8	76.65	10.612		
14,250.0	10,350.2	14,033.2	9,564.9	46.0	46.5	12.85	4,375.0	-1,232.5	812.9	735.6	77.35	10.510		
14,300.0	10,350.4	14,083.4	9,565.5	46.3	46.9	12.81	4,425.3	-1,233.3	812.4	734.4	78.04	10.410		
14,345.0	10,350.6	14,131.6	9,566.3	46.5	47.2	12.81	4,473.4	-1,233.6	811.8	733.2	78.67	10.319		
14,400.0	10,350.8	14,194.3	9,567.9	46.8	47.6	12.84	4,536.1	-1,233.4	810.7	731.3	79.47	10.201		
14,440.0	10,351.0	14,245.0	9,569.7	47.0	48.0	12.89	4,586.8	-1,233.3	809.5	729.4	80.08	10.109		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	Vertical	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation
Measured	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)	Warning
14,500.0	10,351.2	14,317.2	9,573.4	47.4	48.5	12.89	4,658.9	-1,234.2	806.6	725.7	80.96	9.964
14,535.0	10,351.3	14,352.9	9,575.4	47.6	48.7	12.88	4,694.6	-1,234.7	804.8	723.3	81.44	9.881
14,600.0	10,351.6	14,418.6	9,579.1	47.9	49.2	12.88	4,760.2	-1,235.8	801.2	718.9	82.35	9.730
14,630.0	10,351.7	14,448.6	9,580.9	48.1	49.4	12.87	4,790.1	-1,236.2	799.6	716.8	82.77	9.660
14,700.0	10,352.0	14,526.0	9,585.5	48.5	50.0	12.87	4,867.3	-1,237.4	795.6	711.8	83.76	9.498
14,725.0	10,352.1	14,556.9	9,587.7	48.6	50.2	12.87	4,898.1	-1,238.0	793.9	709.7	84.12	9.437
14,800.0	10,352.4	14,622.5	9,592.5	49.0	50.7	12.86	4,963.6	-1,239.2	788.6	703.4	85.15	9.260
14,820.0	10,352.5	14,637.4	9,593.4	49.2	50.8	12.86	4,978.4	-1,239.5	787.4	702.0	85.42	9.218
14,900.0	10,352.9	14,700.1	9,596.1	49.6	51.2	12.84	5,041.1	-1,240.5	784.1	697.6	86.48	9.067
14,915.0	10,352.9	14,713.0	9,596.5	49.7	51.3	12.83	5,053.9	-1,240.7	783.6	696.9	86.68	9.040
15,000.0	10,353.3	14,771.0	9,597.9	50.2	51.7	12.78	5,111.9	-1,241.7	782.0	694.2	87.71	8.915
15,010.0	10,353.3	14,790.3	9,598.1	50.2	51.9	12.76	5,131.2	-1,242.1	781.7	693.8	87.92	8.892
15,027.7	10,353.4	14,802.7	9,598.2	50.4	52.0	12.75	5,143.6	-1,242.3	781.7	693.5	88.13	8.869
15,027.7	10,353.4	14,802.8	9,598.2	50.4	52.0	12.75	5,143.7	-1,242.3	781.7	693.5	88.13	8.869
15,100.0	10,353.7	14,866.0	9,597.1	50.8	52.4	12.66	5,206.9	-1,243.4	782.8	693.7	89.09	8.787
15,105.0	10,353.7	14,866.0	9,597.1	50.8	52.4	12.66	5,206.9	-1,243.4	782.9	693.8	89.11	8.785
15,200.0	10,354.1	14,947.2	9,594.4	51.4	53.0	12.56	5,288.1	-1,244.3	786.1	695.7	90.33	8.702
15,295.0	10,354.5	15,050.3	9,591.4	51.9	53.8	12.45	5,391.1	-1,245.3	789.0	697.3	91.76	8.599
15,300.0	10,354.5	15,055.8	9,591.2	51.9	53.8	12.44	5,396.6	-1,245.4	789.2	697.3	91.84	8.593
15,390.0	10,354.9	15,138.9	9,588.8	52.5	54.5	12.30	5,479.7	-1,246.9	791.8	698.7	93.06	8.508
15,400.0	10,354.9	15,151.0	9,588.4	52.5	54.6	12.28	5,491.7	-1,247.1	792.1	698.9	93.22	8.497
15,485.0	10,355.3	15,224.6	9,585.4	53.0	55.1	12.15	5,565.2	-1,248.3	795.5	701.2	94.32	8.434
15,500.0	10,355.3	15,238.5	9,584.8	53.1	55.2	12.13	5,579.1	-1,248.5	796.2	701.7	94.53	8.423
15,580.0	10,355.7	15,312.8	9,581.2	53.6	55.8	12.02	5,653.4	-1,249.3	800.2	704.6	95.61	8.370
15,600.0	10,355.8	15,331.5	9,580.2	53.7	55.9	11.99	5,672.0	-1,249.6	801.3	705.4	95.88	8.357
15,675.0	10,356.1	15,418.0	9,575.6	54.2	56.6	11.82	5,758.4	-1,251.2	805.3	708.2	97.09	8.294
15,700.0	10,356.2	15,453.7	9,574.4	54.3	56.8	11.77	5,794.1	-1,251.7	806.2	708.6	97.56	8.263
15,770.0	10,356.5	15,561.3	9,574.5	54.8	57.7	11.80	5,901.7	-1,251.4	806.5	707.6	98.84	8.159
15,800.0	10,356.6	15,592.8	9,575.4	55.0	57.9	11.86	5,933.1	-1,250.7	805.9	706.6	99.29	8.117
15,865.0	10,356.9	15,662.0	9,577.8	55.4	58.4	12.04	6,002.3	-1,248.8	804.3	704.1	100.25	8.023
15,900.0	10,357.0	15,697.5	9,579.2	55.6	58.7	12.15	6,037.7	-1,247.5	803.4	702.6	100.76	7.973
15,960.0	10,357.3	15,757.9	9,581.9	55.9	59.1	12.42	6,098.0	-1,244.4	801.7	700.1	101.64	7.888
16,000.0	10,357.4	15,797.2	9,583.6	56.2	59.4	12.60	6,137.2	-1,242.1	800.7	698.4	102.22	7.833
16,055.0	10,357.7	15,851.6	9,586.0	56.5	59.8	12.85	6,191.4	-1,239.1	799.3	696.2	103.02	7.758
16,100.0	10,357.8	15,897.6	9,588.0	56.8	60.2	13.06	6,237.3	-1,236.6	798.1	694.4	103.69	7.697
16,150.0	10,358.0	15,950.2	9,590.4	57.1	60.6	13.30	6,289.8	-1,233.8	796.7	692.3	104.43	7.629
16,200.0	10,358.3	16,007.5	9,593.4	57.4	61.0	13.58	6,346.9	-1,230.7	795.0	689.8	105.20	7.557
16,245.0	10,358.4	16,054.0	9,596.2	57.7	61.3	13.79	6,393.3	-1,228.3	793.1	687.3	105.87	7.492
16,300.0	10,358.7	16,105.3	9,598.8	58.1	61.7	13.94	6,444.5	-1,226.9	791.0	684.4	106.67	7.416
16,340.0	10,358.8	16,143.9	9,600.4	58.3	62.0	13.99	6,483.1	-1,226.6	789.6	682.4	107.25	7.363
16,400.0	10,359.1	16,204.2	9,602.8	58.7	62.5	14.05	6,543.3	-1,226.5	787.6	679.4	108.14	7.283
16,435.0	10,359.2	16,237.3	9,604.2	58.9	62.7	14.07	6,576.4	-1,226.5	786.4	677.7	108.64	7.238
16,500.0	10,359.5	16,294.6	9,605.9	59.3	63.2	14.06	6,633.7	-1,227.2	784.6	675.0	109.57	7.161
16,530.0	10,359.6	16,321.9	9,606.4	59.5	63.4	14.02	6,661.0	-1,227.9	784.0	674.0	109.99	7.127
16,600.0	10,359.9	16,393.7	9,607.6	60.0	64.0	13.86	6,732.6	-1,230.5	782.6	671.5	111.03	7.048
16,625.0	10,360.0	16,411.0	9,607.9	60.1	64.1	13.81	6,750.0	-1,231.2	782.1	670.7	111.36	7.023
16,684.3	10,360.3	16,461.4	9,608.0	60.5	64.5	13.62	6,800.3	-1,234.0	781.5	669.3	112.17	6.967
16,700.0	10,360.3	16,473.1	9,607.8	60.6	64.6	13.57	6,812.0	-1,234.7	781.5	669.1	112.37	6.955
16,720.0	10,360.4	16,488.0	9,607.5	60.7	64.7	13.49	6,826.9	-1,235.8	781.7	669.1	112.62	6.941
16,800.0	10,360.7	16,558.0	9,605.1	61.3	65.3	13.08	6,896.6	-1,241.1	783.3	669.6	113.70	6.889
16,815.0	10,360.8	16,572.0	9,604.6	61.4	65.4	12.99	6,910.5	-1,242.1	783.7	669.8	113.92	6.880

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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:											
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)						
16,900.0	10,361.2	16,653.1	9,601.1	61.9	66.0	12.49	6,991.3	-1,248.5	786.2	671.0	115.13	6.829		
16,910.0	10,361.2	16,662.8	9,600.6	62.0	66.1	12.42	7,000.9	-1,249.3	786.5	671.2	115.27	6.823		
17,000.0	10,361.6	16,745.0	9,596.6	62.6	66.8	11.89	7,082.8	-1,256.0	789.7	673.2	116.51	6.778		
17,005.0	10,361.6	16,749.4	9,596.3	62.6	66.8	11.86	7,087.2	-1,256.4	789.9	673.3	116.58	6.776		
17,100.0	10,362.0	16,848.4	9,590.7	63.2	67.6	11.27	7,185.8	-1,263.7	794.2	676.2	118.04	6.729		
17,195.0	10,362.4	16,948.2	9,587.2	63.8	68.4	10.96	7,285.4	-1,267.5	797.3	677.8	119.50	6.672		
17,200.0	10,362.4	16,953.0	9,587.0	63.9	68.4	10.95	7,290.2	-1,267.7	797.4	677.8	119.57	6.669		
17,290.0	10,362.8	17,061.9	9,584.3	64.5	69.3	10.73	7,399.0	-1,270.3	799.7	678.6	121.09	6.604		
17,300.0	10,362.8	17,075.2	9,584.2	64.5	69.4	10.71	7,412.3	-1,270.6	799.7	678.5	121.26	6.595		
17,385.0	10,363.2	17,161.7	9,583.9	65.1	70.1	10.56	7,498.8	-1,272.8	800.0	677.5	122.54	6.529		
17,400.0	10,363.2	17,176.8	9,583.8	65.2	70.2	10.53	7,513.9	-1,273.3	800.1	677.3	122.76	6.517		
17,480.0	10,363.6	17,255.9	9,583.4	65.7	70.9	10.35	7,592.9	-1,275.8	800.3	676.4	123.95	6.457		
17,500.0	10,363.6	17,275.7	9,583.3	65.8	71.0	10.30	7,612.7	-1,276.5	800.4	676.2	124.25	6.442		
17,575.0	10,364.0	17,350.3	9,582.8	66.3	71.6	10.08	7,687.2	-1,279.6	800.7	675.4	125.37	6.387		
17,600.0	10,364.1	17,377.5	9,582.6	66.5	71.8	9.99	7,714.5	-1,280.9	800.9	675.1	125.76	6.368		
17,670.0	10,364.3	17,460.0	9,582.9	67.0	72.5	9.78	7,796.9	-1,284.1	800.4	673.6	126.88	6.309		
17,700.0	10,364.5	17,488.9	9,583.2	67.2	72.7	9.72	7,825.7	-1,284.9	800.1	672.7	127.32	6.284		
17,765.0	10,364.7	17,552.6	9,584.0	67.6	73.3	9.64	7,889.4	-1,286.3	799.3	671.0	128.29	6.231		
17,800.0	10,364.9	17,588.2	9,584.4	67.8	73.5	9.60	7,925.0	-1,287.0	798.9	670.1	128.82	6.202		
17,860.0	10,365.1	17,649.3	9,585.2	68.2	74.0	9.52	7,986.1	-1,288.3	798.2	668.5	129.72	6.153		
17,900.0	10,365.3	17,690.0	9,585.7	68.5	74.4	9.45	8,026.7	-1,289.4	797.7	667.4	130.33	6.121		
17,955.0	10,365.5	17,746.5	9,586.5	68.9	74.8	9.34	8,083.3	-1,291.2	796.9	665.8	131.16	6.076		
18,000.0	10,365.7	17,802.5	9,587.7	69.2	75.3	9.21	8,139.1	-1,293.4	795.9	664.1	131.87	6.036		
18,050.0	10,365.9	17,855.4	9,589.3	69.5	75.7	9.06	8,192.0	-1,295.7	794.2	661.6	132.63	5.988		
18,100.0	10,366.1	17,896.8	9,590.5	69.9	76.0	9.00	8,233.4	-1,296.8	792.9	659.5	133.36	5.945		
18,145.0	10,366.3	17,934.8	9,591.3	70.2	76.3	9.00	8,271.4	-1,297.0	792.1	658.1	134.01	5.911		
18,200.0	10,366.5	17,996.1	9,592.7	70.5	76.8	9.06	8,332.6	-1,296.4	791.1	656.3	134.86	5.866		
18,240.0	10,366.7	18,038.9	9,594.0	70.8	77.2	9.13	8,375.4	-1,295.7	790.2	654.7	135.48	5.833		
18,300.0	10,367.0	18,097.9	9,596.0	71.2	77.6	9.26	8,434.3	-1,294.4	788.8	652.4	136.38	5.784		
18,335.0	10,367.1	18,132.9	9,597.1	71.4	77.9	9.34	8,469.3	-1,293.4	788.0	651.1	136.90	5.756		
18,400.0	10,367.4	18,200.3	9,599.4	71.9	78.5	9.51	8,536.6	-1,291.5	786.3	648.4	137.89	5.703		
18,430.0	10,367.5	18,216.0	9,600.0	72.1	78.6	9.56	8,552.3	-1,291.0	785.7	647.4	138.29	5.681		
18,496.5	10,367.8	18,276.1	9,601.5	72.5	79.1	9.76	8,612.4	-1,288.5	784.8	645.6	139.26	5.636		
18,500.0	10,367.8	18,278.7	9,601.5	72.6	79.1	9.77	8,615.0	-1,288.3	784.8	645.5	139.30	5.634		
18,525.0	10,367.9	18,297.2	9,601.7	72.7	79.2	9.86	8,633.4	-1,287.3	785.0	645.3	139.63	5.622		
18,600.0	10,368.2	18,356.7	9,601.5	73.3	79.7	10.16	8,692.8	-1,283.1	786.5	645.9	140.62	5.593		
18,620.0	10,368.3	18,372.9	9,601.3	73.4	79.8	10.25	8,708.9	-1,281.8	787.1	646.2	140.88	5.587		
18,700.0	10,368.6	18,476.2	9,600.2	73.9	80.6	10.83	8,811.9	-1,273.5	789.7	647.4	142.31	5.549		
18,715.0	10,368.7	18,503.1	9,600.7	74.0	80.9	10.96	8,838.8	-1,271.9	789.7	647.0	142.62	5.537		
18,800.0	10,369.0	18,590.2	9,603.0	74.6	81.5	11.34	8,925.7	-1,267.1	788.8	644.8	143.92	5.481		
18,810.0	10,369.1	18,600.3	9,603.3	74.7	81.6	11.38	8,935.7	-1,266.6	788.6	644.6	144.07	5.474		
18,900.0	10,369.4	18,686.9	9,605.6	75.3	82.3	11.79	9,022.2	-1,261.5	787.7	642.3	145.43	5.417		
18,905.0	10,369.5	18,691.9	9,605.7	75.3	82.4	11.81	9,027.1	-1,261.1	787.7	642.2	145.50	5.414		
19,000.0	10,369.9	18,790.8	9,608.5	76.0	83.1	12.31	9,125.8	-1,254.9	786.7	639.7	146.97	5.353		
19,095.0	10,370.3	18,887.4	9,611.7	76.7	83.9	12.80	9,222.2	-1,248.7	785.4	637.0	148.44	5.291		
19,100.0	10,370.3	18,892.1	9,611.9	76.7	83.9	12.83	9,226.8	-1,248.4	785.3	636.8	148.51	5.288		
19,190.0	10,370.6	18,976.6	9,614.4	77.3	84.6	13.26	9,311.2	-1,243.0	784.4	634.6	149.87	5.234		
19,200.0	10,370.7	18,986.9	9,614.7	77.4	84.7	13.31	9,321.4	-1,242.4	784.4	634.3	150.02	5.228		
19,285.0	10,371.0	19,068.0	9,617.0	78.0	85.3	13.73	9,402.3	-1,237.1	783.7	632.4	151.30	5.180		
19,300.0	10,371.1	19,083.3	9,617.4	78.1	85.5	13.81	9,417.6	-1,236.2	783.6	632.0	151.53	5.171		
19,306.1	10,371.1	19,087.8	9,617.5	78.1	85.5	13.83	9,422.1	-1,235.9	783.6	632.0	151.62	5.168		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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:											
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)				
19,380.0	10,371.4	19,141.7	9,617.7	78.6	85.9	14.04	9,475.9	-1,232.9	784.5	632.0	152.56	5.142		
19,400.0	10,371.5	19,163.0	9,617.4	78.8	86.1	14.11	9,497.2	-1,231.9	785.1	632.3	152.88	5.136		
19,475.0	10,371.8	19,228.3	9,616.0	79.3	86.6	14.29	9,562.3	-1,229.1	787.8	633.9	153.90	5.119		
19,500.0	10,371.9	19,253.1	9,615.4	79.5	86.8	14.35	9,587.1	-1,228.1	788.7	634.4	154.28	5.112		
19,570.0	10,372.2	19,324.9	9,613.8	80.0	87.4	14.50	9,658.9	-1,225.6	791.2	635.8	155.38	5.092		
19,600.0	10,372.3	19,351.0	9,613.2	80.2	87.6	14.55	9,685.0	-1,224.8	792.2	636.4	155.78	5.085		
19,665.0	10,372.6	19,412.6	9,611.6	80.6	88.1	14.67	9,746.6	-1,222.8	794.7	638.0	156.73	5.071		
19,700.0	10,372.8	19,446.0	9,610.5	80.9	88.4	14.75	9,779.9	-1,221.3	796.3	639.1	157.24	5.064		
19,760.0	10,373.0	19,498.8	9,608.6	81.3	88.8	14.87	9,832.6	-1,219.1	799.4	641.4	158.04	5.058		
19,800.0	10,373.2	19,535.7	9,607.0	81.6	89.2	14.94	9,869.4	-1,217.6	801.7	643.1	158.60	5.054		
19,855.0	10,373.4	19,590.9	9,604.4	81.9	89.6	15.04	9,924.6	-1,215.7	804.9	645.4	159.45	5.048		
19,900.0	10,373.6	19,639.9	9,602.2	82.3	90.0	15.12	9,973.5	-1,213.9	807.4	647.2	160.21	5.040		
19,950.0	10,373.8	19,757.2	9,601.9	82.6	91.0	15.04	10,090.7	-1,215.0	807.3	645.7	161.60	4.996		
20,000.0	10,374.0	19,820.5	9,604.3	83.0	91.5	15.00	10,154.0	-1,216.4	805.3	643.0	162.37	4.960		
20,045.0	10,374.2	19,870.1	9,607.0	83.3	91.9	15.02	10,203.5	-1,216.8	803.1	640.0	163.05	4.925		
20,100.0	10,374.4	19,927.7	9,610.6	83.7	92.4	15.10	10,260.9	-1,216.8	800.0	636.1	163.89	4.881		
20,140.0	10,374.6	19,961.4	9,612.6	83.9	92.6	15.14	10,294.6	-1,216.7	797.9	633.4	164.52	4.850		
20,200.0	10,374.8	20,014.0	9,615.2	84.4	93.1	15.20	10,347.1	-1,216.6	795.4	629.9	165.44	4.808		
20,235.0	10,375.0	20,045.4	9,616.5	84.6	93.3	15.22	10,378.5	-1,216.6	794.1	628.2	165.97	4.785		
20,300.0	10,375.2	20,107.0	9,618.9	85.1	93.8	15.28	10,440.0	-1,216.5	792.0	625.0	166.97	4.743		
20,330.0	10,375.4	20,131.5	9,619.7	85.3	94.0	15.30	10,464.5	-1,216.5	791.2	623.7	167.41	4.726		
20,400.0	10,375.7	20,186.9	9,620.7	85.8	94.5	15.30	10,520.0	-1,216.9	790.2	621.8	168.41	4.692		
20,419.0	10,375.7	20,202.0	9,620.8	85.9	94.6	15.28	10,535.0	-1,217.1	790.1	621.4	168.68	4.684		
20,425.0	10,375.8	20,207.7	9,620.8	86.0	94.7	15.28	10,540.7	-1,217.1	790.1	621.4	168.77	4.682		
20,500.0	10,376.1	20,278.7	9,620.5	86.5	95.3	15.18	10,611.7	-1,218.5	790.3	620.5	169.88	4.652		
20,520.0	10,376.2	20,297.7	9,620.4	86.6	95.4	15.15	10,630.7	-1,218.9	790.5	620.3	170.18	4.645		
20,600.0	10,376.5	20,382.8	9,619.9	87.2	96.1	14.99	10,715.7	-1,221.1	790.7	619.3	171.44	4.612		
20,615.0	10,376.6	20,398.1	9,619.8	87.3	96.2	14.96	10,731.1	-1,221.6	790.7	619.1	171.67	4.606		
20,616.4	10,376.6	20,399.4	9,619.8	87.3	96.3	14.96	10,732.4	-1,221.6	790.7	619.1	171.69	4.606		
20,700.0	10,376.9	20,479.0	9,619.4	87.9	96.9	14.79	10,811.9	-1,223.9	791.0	618.0	172.93	4.574		
20,710.0	10,376.9	20,487.0	9,619.3	88.0	97.0	14.78	10,819.9	-1,224.1	791.0	617.9	173.07	4.571		
20,800.0	10,377.3	20,575.3	9,618.3	88.6	97.7	14.59	10,908.2	-1,226.6	791.7	617.3	174.42	4.539		
20,805.0	10,377.3	20,580.2	9,618.3	88.6	97.8	14.58	10,913.0	-1,226.8	791.8	617.3	174.50	4.537		
20,900.0	10,377.7	20,666.0	9,616.7	89.3	98.5	14.41	10,998.8	-1,228.9	793.3	617.4	175.85	4.511		
20,995.0	10,378.1	20,738.7	9,614.3	90.0	99.1	14.30	11,071.5	-1,229.8	796.6	619.6	176.99	4.501		
21,000.0	10,378.1	20,742.5	9,614.1	90.0	99.1	14.30	11,075.3	-1,229.8	796.8	619.8	177.04	4.501		
21,090.0	10,378.5	20,831.5	9,609.3	90.7	99.9	14.26	11,164.1	-1,229.3	802.0	623.6	178.40	4.495		
21,100.0	10,378.6	20,843.1	9,608.8	90.7	100.0	14.25	11,175.8	-1,229.2	802.5	623.9	178.59	4.494		
21,185.0	10,378.9	20,995.0	9,609.9	91.3	101.2	14.34	11,327.6	-1,228.3	801.8	621.3	180.49	4.442		
21,200.0	10,379.0	21,007.8	9,610.4	91.5	101.3	14.37	11,340.4	-1,228.2	801.3	620.6	180.72	4.434		
21,280.0	10,379.3	21,086.4	9,613.3	92.0	102.0	14.56	11,418.8	-1,226.1	799.3	617.3	181.96	4.393		
21,300.0	10,379.4	21,110.7	9,614.4	92.2	102.2	14.63	11,443.1	-1,225.5	798.7	616.4	182.28	4.382		
21,375.0	10,379.7	21,182.4	9,617.9	92.7	102.7	14.83	11,514.7	-1,223.6	795.9	612.5	183.44	4.339		
21,400.0	10,379.8	21,202.0	9,618.7	92.9	102.9	14.88	11,534.2	-1,223.1	795.3	611.4	183.82	4.326		
21,470.0	10,380.1	21,264.1	9,620.4	93.4	103.4	15.05	11,596.4	-1,221.2	794.2	609.4	184.88	4.296		
21,500.0	10,380.2	21,298.5	9,621.3	93.6	103.7	15.12	11,630.7	-1,220.5	793.8	608.4	185.36	4.282		
21,565.0	10,380.5	21,376.0	9,623.9	94.1	104.3	15.20	11,708.2	-1,220.0	792.1	605.7	186.39	4.250		
21,600.0	10,380.6	21,419.3	9,625.8	94.3	104.7	15.23	11,751.4	-1,220.2	790.7	603.8	186.92	4.230		
21,660.0	10,380.9	21,457.3	9,627.1	94.7	105.0	15.23	11,789.4	-1,220.6	788.8	601.0	187.83	4.200		
21,694.5	10,381.0	21,478.4	9,627.4	95.0	105.2	15.22	11,810.5	-1,220.8	788.5	600.2	188.28	4.188		
21,700.0	10,381.1	21,481.7	9,627.4	95.0	105.2	15.21	11,813.8	-1,220.9	788.5	600.2	188.35	4.187		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP												Offset Site Error:	3.0 usft
Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
21,755.0	10,381.3	21,516.0	9,626.8	95.4	105.5	15.17	11,848.1	-1,221.4	789.4	600.5	188.97	4.178	
21,800.0	10,381.5	21,555.3	9,625.5	95.7	105.8	15.11	11,887.4	-1,222.0	790.9	601.3	189.57	4.172	
21,850.0	10,381.7	21,600.1	9,623.6	96.1	106.2	15.02	11,932.1	-1,222.8	792.9	602.6	190.26	4.168	
21,900.0	10,381.9	21,647.6	9,621.4	96.5	106.6	14.91	11,979.6	-1,223.8	795.1	604.1	190.98	4.163	
21,945.0	10,382.1	21,691.1	9,619.1	96.8	107.0	14.78	12,023.0	-1,225.1	797.2	605.6	191.64	4.160	
22,000.0	10,382.3	21,743.0	9,616.3	97.2	107.4	14.61	12,074.8	-1,226.9	799.9	607.5	192.42	4.157	
22,040.1	10,382.5	21,780.4	9,614.0	97.5	107.7	14.47	12,112.0	-1,228.3	802.1	609.1	192.98	4.156 SF	
22,100.0	10,382.7	21,833.6	9,610.5	97.9	108.2	14.26	12,165.1	-1,230.4	805.6	611.8	193.76	4.158	
22,135.0	10,382.9	21,863.8	9,608.3	98.1	108.4	14.15	12,195.2	-1,231.6	807.9	613.7	194.19	4.160	
22,170.0	10,383.0	21,894.4	9,605.9	98.4	108.7	14.03	12,225.7	-1,232.6	810.4	615.8	194.63	4.164	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum Separation		Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor		
6,800.0	6,656.4	6,693.0	6,660.4	27.1	21.7	-38.28	-197.1	-2,370.9	1,314.3	1,269.6	44.70	29.403	
6,840.0	6,695.2	6,732.4	6,699.8	27.3	21.8	-38.59	-198.2	-2,370.7	1,307.0	1,262.0	44.93	29.088	
6,900.0	6,753.4	6,790.7	6,758.1	27.6	22.0	-39.06	-199.9	-2,370.6	1,296.0	1,250.7	45.28	28.625	
6,935.0	6,787.4	6,824.9	6,792.2	27.8	22.1	-39.34	-200.8	-2,370.4	1,289.7	1,244.2	45.47	28.361	
7,000.0	6,850.5	6,889.4	6,856.7	28.1	22.4	-39.87	-202.6	-2,370.2	1,277.9	1,232.1	45.84	27.878	
7,030.0	6,879.6	6,924.5	6,891.9	28.2	22.5	-40.16	-203.5	-2,370.0	1,272.4	1,226.4	46.01	27.658	
7,100.0	6,947.5	7,040.3	7,007.6	28.6	22.9	-41.11	-204.9	-2,367.3	1,258.3	1,211.9	46.37	27.136	
7,125.0	6,971.8	7,082.1	7,049.3	28.7	23.0	-41.47	-205.1	-2,365.2	1,252.6	1,206.1	46.48	26.948	
7,200.0	7,044.5	7,154.3	7,121.4	29.1	23.3	-42.12	-205.3	-2,360.9	1,235.0	1,188.1	46.88	26.343	
7,220.0	7,063.9	7,171.1	7,138.2	29.2	23.4	-42.27	-205.3	-2,360.0	1,230.4	1,183.4	46.99	26.184	
7,300.0	7,141.6	7,237.1	7,204.1	29.5	23.6	-42.83	-204.8	-2,356.9	1,212.5	1,165.0	47.43	25.564	
7,315.0	7,156.1	7,249.3	7,216.3	29.6	23.6	-42.94	-204.7	-2,356.5	1,209.2	1,161.7	47.51	25.451	
7,400.0	7,238.6	7,321.5	7,288.5	30.0	23.9	-43.54	-204.1	-2,354.2	1,191.3	1,143.3	47.96	24.836	
7,410.0	7,248.3	7,330.5	7,297.4	30.1	23.9	-43.62	-203.9	-2,354.0	1,189.2	1,141.2	48.02	24.766	
7,505.0	7,340.5	7,417.4	7,384.4	30.5	24.2	-44.31	-202.4	-2,352.2	1,169.9	1,121.4	48.51	24.115	
7,508.6	7,343.9	7,420.8	7,387.8	30.6	24.2	-44.34	-202.3	-2,352.2	1,169.2	1,120.7	48.53	24.091	
7,600.0	7,433.0	7,501.5	7,468.4	31.0	24.5	-44.69	-200.4	-2,351.1	1,152.2	1,103.2	49.01	23.508	
7,695.0	7,526.2	7,576.0	7,542.9	31.5	24.7	-44.93	-198.9	-2,351.4	1,138.2	1,088.7	49.53	22.982	
7,700.0	7,531.1	7,576.0	7,542.9	31.5	24.7	-44.92	-198.9	-2,351.4	1,137.6	1,088.1	49.56	22.956	
7,790.0	7,619.9	7,643.3	7,610.2	31.9	24.9	-45.09	-197.8	-2,353.0	1,128.5	1,078.4	50.04	22.551	
7,800.0	7,629.8	7,650.9	7,617.8	31.9	25.0	-45.11	-197.7	-2,353.2	1,127.7	1,077.6	50.09	22.511	
7,885.0	7,714.1	7,734.1	7,700.9	32.3	25.2	-45.29	-196.8	-2,356.4	1,122.3	1,071.8	50.55	22.200	
7,900.0	7,729.0	7,750.3	7,717.0	32.4	25.3	-45.32	-196.6	-2,357.0	1,121.5	1,070.9	50.64	22.148	
7,980.0	7,808.7	7,838.7	7,805.5	32.7	25.6	-45.47	-195.9	-2,359.5	1,117.9	1,066.8	51.07	21.890	
8,000.0	7,828.6	7,861.0	7,827.7	32.8	25.6	-45.51	-195.9	-2,359.9	1,117.1	1,066.0	51.18	21.830	
8,075.0	7,903.5	7,938.4	7,905.1	33.1	25.9	-45.65	-196.4	-2,360.8	1,115.0	1,063.4	51.56	21.623	
8,100.0	7,928.4	7,963.7	7,930.4	33.1	26.0	-45.70	-196.7	-2,360.9	1,114.5	1,062.9	51.70	21.560	
8,153.4	7,981.8	8,015.3	7,982.0	33.2	26.1	-45.77	-197.4	-2,361.3	1,114.2	1,062.2	51.93	21.456	
8,170.0	7,998.4	8,031.4	7,998.1	33.3	26.2	-45.79	-197.7	-2,361.4	1,114.2	1,062.2	52.00	21.426	
8,208.6	8,037.0	8,069.8	8,036.5	33.3	26.3	-120.91	-198.3	-2,361.6	1,114.6	1,062.4	52.18	21.361	
8,265.0	8,093.4	8,127.6	8,094.2	33.3	26.5	-120.94	-199.2	-2,362.1	1,115.3	1,063.0	52.38	21.294	
8,300.0	8,128.4	8,164.5	8,131.2	33.4	26.6	-120.95	-199.6	-2,362.3	1,115.8	1,063.3	52.50	21.252	
8,360.0	8,188.4	8,229.8	8,196.5	33.4	26.9	-120.99	-200.5	-2,362.4	1,116.3	1,063.6	52.71	21.177	
8,400.0	8,228.4	8,273.7	8,240.4	33.4	27.0	-121.03	-201.2	-2,362.2	1,116.5	1,063.6	52.85	21.124	
8,455.0	8,283.4	8,334.3	8,300.9	33.4	27.2	-121.09	-202.3	-2,361.7	1,116.5	1,063.5	53.04	21.049	
8,500.0	8,328.4	8,381.0	8,347.6	33.4	27.4	-121.14	-203.0	-2,361.0	1,116.4	1,063.2	53.20	20.984	
8,550.0	8,378.4	8,431.0	8,397.6	33.4	27.6	-121.19	-203.8	-2,360.3	1,116.1	1,062.8	53.38	20.909	
8,600.0	8,428.4	8,480.8	8,447.4	33.4	27.7	-121.24	-204.5	-2,359.7	1,115.9	1,062.4	53.56	20.834	
8,645.0	8,473.4	8,524.2	8,490.9	33.4	27.9	-121.26	-204.8	-2,359.3	1,115.8	1,062.1	53.73	20.767	
8,700.0	8,528.4	8,578.2	8,544.8	33.5	28.1	-121.28	-205.1	-2,359.0	1,115.7	1,061.8	53.94	20.685	
8,740.0	8,568.4	8,617.5	8,584.1	33.5	28.2	-121.29	-205.3	-2,358.9	1,115.7	1,061.6	54.09	20.626	
8,750.0	8,578.4	8,626.9	8,593.5	33.5	28.3	-121.29	-205.3	-2,358.9	1,115.7	1,061.6	54.13	20.612	
8,800.0	8,628.4	8,673.1	8,639.7	33.5	28.4	-121.30	-205.4	-2,358.9	1,115.8	1,061.5	54.32	20.542	
8,835.0	8,663.4	8,705.4	8,672.0	33.5	28.5	-121.29	-205.4	-2,359.1	1,116.0	1,061.5	54.45	20.495	
8,900.0	8,728.4	10,200.1	9,608.9	33.5	30.0	-70.19	603.7	-2,042.5	1,098.7	1,054.0	44.72	24.568	
8,930.0	8,758.4	10,200.1	9,608.9	33.5	30.0	-70.19	603.7	-2,042.5	1,075.2	1,030.0	45.26	23.755	
9,000.0	8,828.4	10,200.1	9,608.9	33.5	30.0	-70.19	603.7	-2,042.5	1,021.8	975.2	46.62	21.920	
9,025.0	8,853.4	10,200.1	9,608.9	33.5	30.0	-70.19	603.7	-2,042.5	1,003.2	956.1	47.13	21.287	
9,100.0	8,928.4	10,200.0	9,608.9	33.6	30.0	-70.19	603.7	-2,042.5	949.2	900.5	48.76	19.467	
9,120.0	8,948.4	10,200.0	9,608.9	33.6	30.0	-70.19	603.7	-2,042.5	935.3	886.1	49.22	19.003	
9,200.0	9,028.4	10,200.0	9,608.9	33.6	30.0	-70.19	603.6	-2,042.5	882.0	830.9	51.15	17.244	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor
9,215.0	9,043.4	10,200.0	9,608.9	33.6	30.0	-70.19	603.6	-2,042.5	872.5	821.0	51.53	16.932
9,300.0	9,128.4	10,200.0	9,608.9	33.6	30.0	-70.19	603.6	-2,042.5	821.5	767.8	53.74	15.286
9,310.0	9,138.4	10,200.0	9,608.9	33.6	30.0	-70.20	603.6	-2,042.5	815.9	761.9	54.01	15.106
9,400.0	9,228.4	10,200.0	9,608.9	33.6	30.0	-70.20	603.6	-2,042.5	769.3	712.9	56.44	13.632
9,405.0	9,233.4	10,200.0	9,608.9	33.6	30.0	-70.20	603.6	-2,042.5	767.0	710.4	56.57	13.558
9,500.0	9,328.4	10,199.9	9,608.9	33.7	30.0	-70.20	603.6	-2,042.5	727.2	668.1	59.04	12.316
9,595.0	9,423.4	10,199.9	9,608.9	33.7	30.0	-70.20	603.6	-2,042.6	698.2	637.0	61.21	11.407
9,600.0	9,428.4	10,199.9	9,608.9	33.7	30.0	-70.20	603.6	-2,042.6	697.0	635.7	61.31	11.368
9,690.0	9,518.4	10,199.9	9,608.9	33.7	30.0	-70.20	603.5	-2,042.6	681.3	618.4	62.82	10.845
9,700.0	9,528.4	10,199.9	9,608.9	33.7	30.0	-70.20	603.5	-2,042.6	680.2	617.3	62.94	10.807
9,765.3	9,593.7	10,199.9	9,608.9	33.7	30.0	-70.20	603.5	-2,042.6	677.1	613.5	63.56	10.652 CC, ES
9,785.0	9,613.4	10,199.9	9,608.9	33.8	30.0	-70.20	603.5	-2,042.6	677.4	613.7	63.67	10.638
9,800.0	9,628.4	10,199.9	9,608.9	33.8	30.0	-70.20	603.5	-2,042.6	678.0	614.2	63.73	10.638
9,880.0	9,708.4	10,199.8	9,608.9	33.8	30.0	-70.21	603.5	-2,042.6	686.7	623.0	63.71	10.779
9,900.0	9,728.4	10,199.8	9,608.9	33.8	30.0	-70.21	603.5	-2,042.6	690.4	626.7	63.62	10.852
9,934.6	9,763.0	10,199.8	9,608.9	33.8	30.0	-70.21	603.5	-2,042.6	697.9	634.4	63.51	10.990
9,950.0	9,778.4	10,200.0	9,608.9	33.8	30.0	-69.71	603.6	-2,042.5	701.8	638.4	63.38	11.072
9,975.0	9,803.4	10,200.7	9,608.9	33.8	30.0	-69.01	604.3	-2,042.3	708.3	645.2	63.15	11.217
10,000.0	9,828.3	10,202.1	9,608.9	33.8	30.0	-68.21	605.6	-2,041.8	715.4	652.5	62.88	11.377
10,050.0	9,877.6	10,206.9	9,608.9	33.8	30.0	-66.35	610.1	-2,040.2	730.6	668.4	62.24	11.739
10,070.0	9,897.2	10,209.5	9,608.9	33.8	30.0	-65.51	612.6	-2,039.3	737.1	675.1	61.95	11.898
10,100.0	9,926.1	10,214.2	9,608.9	33.8	30.0	-64.17	617.0	-2,037.8	747.2	685.7	61.49	12.151
10,150.0	9,973.4	10,234.0	9,608.8	33.8	30.0	-61.00	635.8	-2,031.4	764.9	704.2	60.68	12.604
10,165.0	9,987.3	10,234.0	9,608.8	33.8	30.0	-60.50	635.8	-2,031.4	770.2	709.8	60.43	12.746
10,200.0	10,019.0	10,234.0	9,608.8	33.8	30.0	-59.31	635.8	-2,031.4	783.0	723.2	59.83	13.087
10,250.0	10,062.7	10,251.1	9,608.6	33.8	30.1	-56.45	652.0	-2,026.1	801.6	742.6	58.98	13.591
10,260.0	10,071.2	10,254.4	9,608.6	33.8	30.1	-55.91	655.1	-2,025.1	805.3	746.5	58.81	13.693
10,300.0	10,104.2	10,268.3	9,608.5	33.8	30.1	-53.74	668.5	-2,021.0	820.1	762.0	58.14	14.105
10,350.0	10,143.0	10,287.8	9,608.2	33.9	30.1	-51.09	687.1	-2,015.5	838.2	780.9	57.34	14.618
10,355.0	10,146.7	10,289.8	9,608.2	33.9	30.1	-50.83	689.1	-2,014.9	840.0	782.8	57.27	14.669
10,400.0	10,178.9	10,309.4	9,607.9	33.9	30.2	-48.56	707.9	-2,009.6	855.7	799.1	56.60	15.118
10,450.0	10,211.7	10,335.2	9,607.4	33.9	30.2	-46.11	732.9	-2,003.0	872.0	816.1	55.92	15.593
10,500.0	10,241.0	10,374.8	9,606.8	33.9	30.3	-43.45	771.2	-1,993.2	886.7	831.3	55.35	16.018
10,545.0	10,264.3	10,412.6	9,606.2	33.9	30.4	-41.33	807.8	-1,983.8	897.9	843.0	54.90	16.354
10,550.0	10,266.8	10,416.9	9,606.1	33.9	30.4	-41.11	812.0	-1,982.7	899.0	844.2	54.86	16.388
10,600.0	10,288.6	10,460.0	9,605.5	34.0	30.5	-39.15	853.7	-1,972.0	908.8	854.4	54.44	16.693
10,640.0	10,303.3	10,495.6	9,604.9	34.0	30.6	-37.82	888.2	-1,963.1	914.7	860.5	54.16	16.888
10,650.0	10,306.5	10,504.6	9,604.8	34.0	30.6	-37.52	896.9	-1,960.9	915.8	861.7	54.10	16.929
10,700.0	10,320.3	10,553.6	9,604.0	34.0	30.8	-36.14	944.3	-1,948.5	919.8	866.0	53.84	17.084
10,735.0	10,327.4	10,589.4	9,603.4	34.1	30.9	-35.35	978.9	-1,939.2	920.6	866.9	53.70	17.144
10,750.0	10,329.8	10,604.8	9,603.1	34.1	30.9	-35.05	993.8	-1,935.2	920.4	866.7	53.64	17.158
10,800.0	10,335.0	10,660.3	9,602.1	34.1	31.1	-34.22	1,047.2	-1,920.2	917.4	863.8	53.52	17.140
10,830.0	10,336.0	10,694.4	9,601.8	34.1	31.2	-33.89	1,080.0	-1,911.0	913.7	860.2	53.47	17.087
10,832.3	10,336.0	10,696.9	9,601.8	34.1	31.2	-33.87	1,082.4	-1,910.3	913.4	859.9	53.47	17.082
10,900.0	10,336.3	10,765.0	9,601.3	34.2	31.4	-32.82	1,147.8	-1,891.1	903.2	849.8	53.36	16.926
10,925.0	10,336.4	10,789.3	9,600.9	34.2	31.4	-32.41	1,171.0	-1,884.0	899.5	846.2	53.32	16.870
11,000.0	10,336.7	10,851.7	9,599.6	34.3	31.6	-31.36	1,230.7	-1,865.9	889.1	836.0	53.17	16.723
11,020.0	10,336.8	10,868.7	9,599.4	34.3	31.7	-31.09	1,247.1	-1,861.3	886.5	833.4	53.14	16.683
11,100.0	10,337.1	10,924.0	9,599.1	34.5	31.9	-30.31	1,300.7	-1,847.9	877.1	824.0	53.05	16.534
11,115.0	10,337.2	10,924.0	9,599.1	34.5	31.9	-30.31	1,300.7	-1,847.9	875.7	822.7	53.00	16.523
11,200.0	10,337.5	10,993.6	9,599.4	34.6	32.1	-29.61	1,369.2	-1,835.7	868.5	815.4	53.08	16.362

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,210.0	10,337.6	10,999.7	9,599.4	34.6	32.1	-29.56	1,375.2	-1,834.9	867.9	814.8	53.09	16.348	
11,300.0	10,337.9	11,072.4	9,599.6	34.8	32.4	-29.18	1,447.6	-1,828.4	863.8	810.5	53.34	16.196	
11,305.0	10,338.0	11,076.9	9,599.6	34.8	32.4	-29.16	1,452.1	-1,828.1	863.6	810.3	53.36	16.187	
11,400.0	10,338.4	11,153.4	9,600.2	35.0	32.7	-28.92	1,528.5	-1,824.1	860.9	807.2	53.71	16.027	
11,450.8	10,338.6	11,190.6	9,600.4	35.1	32.8	-28.89	1,565.7	-1,823.6	860.5	806.6	53.92	15.958	
11,495.0	10,338.7	11,223.9	9,600.5	35.2	32.9	-28.92	1,599.0	-1,824.1	860.8	806.6	54.13	15.901	
11,500.0	10,338.8	11,227.8	9,600.5	35.2	32.9	-28.92	1,602.9	-1,824.2	860.9	806.7	54.16	15.894	
11,590.0	10,339.1	11,303.0	9,600.4	35.4	33.2	-29.11	1,678.0	-1,827.7	863.2	808.4	54.73	15.772	
11,600.0	10,339.2	11,303.0	9,600.4	35.4	33.2	-29.11	1,678.0	-1,827.7	863.5	808.8	54.71	15.784	
11,685.0	10,339.5	11,375.1	9,599.4	35.6	33.4	-29.33	1,749.9	-1,832.5	867.6	812.3	55.30	15.691	
11,700.0	10,339.6	11,387.3	9,599.1	35.6	33.5	-29.37	1,762.1	-1,833.4	868.5	813.1	55.39	15.679	
11,780.0	10,339.9	11,450.9	9,596.6	35.8	33.7	-29.52	1,825.5	-1,837.7	874.1	818.2	55.91	15.635	
11,800.0	10,340.0	11,466.7	9,595.8	35.9	33.8	-29.55	1,841.3	-1,838.8	875.7	819.7	56.03	15.630	
11,875.0	10,340.3	11,585.9	9,590.5	36.1	34.2	-29.72	1,960.1	-1,845.2	881.3	824.2	57.11	15.433	
11,900.0	10,340.4	11,613.9	9,590.1	36.1	34.3	-29.75	1,988.1	-1,846.2	882.1	824.7	57.35	15.381	
11,970.0	10,340.7	11,688.9	9,589.2	36.3	34.6	-29.84	2,063.1	-1,848.5	884.0	826.0	58.01	15.239	
12,000.0	10,340.8	11,730.3	9,589.2	36.4	34.8	-29.90	2,104.5	-1,849.8	884.6	826.2	58.39	15.149	
12,065.0	10,341.1	11,804.0	9,590.3	36.6	35.1	-30.03	2,178.2	-1,851.8	884.7	825.6	59.08	14.974	
12,100.0	10,341.3	11,833.6	9,590.7	36.7	35.3	-30.07	2,207.7	-1,852.5	884.9	825.5	59.35	14.908	
12,160.0	10,341.5	11,884.8	9,590.8	36.9	35.5	-30.13	2,258.9	-1,853.7	885.7	825.9	59.83	14.804	
12,200.0	10,341.7	11,920.8	9,590.5	37.0	35.7	-30.16	2,294.9	-1,854.5	886.5	826.3	60.16	14.736	
12,255.0	10,341.9	11,970.5	9,589.7	37.2	35.9	-30.17	2,344.6	-1,855.4	887.9	827.3	60.62	14.647	
12,300.0	10,342.1	12,038.8	9,589.7	37.4	36.2	-30.26	2,412.9	-1,857.2	888.6	827.3	61.29	14.499	
12,350.0	10,342.3	12,098.5	9,591.8	37.5	36.5	-30.45	2,472.4	-1,859.8	888.3	826.4	61.92	14.346	
12,400.0	10,342.5	12,149.0	9,594.1	37.7	36.7	-30.66	2,522.9	-1,862.5	887.8	825.4	62.47	14.213	
12,445.0	10,342.7	12,190.3	9,596.0	37.9	36.9	-30.85	2,564.1	-1,864.8	887.5	824.6	62.93	14.102	
12,481.5	10,342.8	12,222.6	9,597.2	38.0	37.1	-30.98	2,596.3	-1,866.6	887.4	824.1	63.29	14.021	
12,500.0	10,342.9	12,239.0	9,597.8	38.1	37.2	-31.04	2,612.6	-1,867.4	887.4	823.9	63.47	13.981	
12,540.0	10,343.1	12,275.1	9,598.7	38.2	37.3	-31.16	2,648.6	-1,869.2	887.6	823.7	63.87	13.897	
12,600.0	10,343.3	12,329.9	9,599.9	38.4	37.6	-31.34	2,703.4	-1,872.0	888.2	823.7	64.48	13.775	
12,635.0	10,343.5	12,362.4	9,600.5	38.6	37.8	-31.44	2,735.8	-1,873.6	888.7	823.9	64.84	13.706	
12,700.0	10,343.7	12,424.0	9,601.1	38.8	38.1	-31.60	2,797.4	-1,876.5	889.9	824.3	65.52	13.581	
12,730.0	10,343.9	12,452.2	9,601.3	38.9	38.3	-31.67	2,825.5	-1,877.7	890.5	824.6	65.84	13.525	
12,800.0	10,344.2	12,515.7	9,601.4	39.2	38.6	-31.81	2,889.0	-1,880.5	892.2	825.7	66.54	13.408	
12,825.0	10,344.3	12,541.0	9,601.2	39.3	38.7	-31.86	2,914.3	-1,881.7	893.0	826.2	66.82	13.363	
12,900.0	10,344.6	12,607.1	9,600.6	39.6	39.1	-31.99	2,980.3	-1,884.7	895.6	828.0	67.57	13.255	
12,920.0	10,344.7	12,625.4	9,600.3	39.7	39.2	-32.02	2,998.6	-1,885.6	896.4	828.6	67.77	13.226	
13,000.0	10,345.0	12,704.0	9,599.3	40.0	39.6	-32.19	3,077.0	-1,889.7	899.7	831.1	68.67	13.102	
13,015.0	10,345.0	12,718.9	9,599.2	40.1	39.7	-32.23	3,091.9	-1,890.6	900.4	831.5	68.85	13.078	
13,100.0	10,345.4	12,798.6	9,598.2	40.4	40.1	-32.43	3,171.5	-1,895.3	904.1	834.4	69.78	12.957	
13,110.0	10,345.4	12,807.9	9,598.0	40.5	40.2	-32.45	3,180.7	-1,895.8	904.6	834.7	69.89	12.944	
13,200.0	10,345.8	12,884.9	9,596.0	40.9	40.6	-32.60	3,257.6	-1,900.2	909.6	838.8	70.79	12.849	
13,205.0	10,345.8	12,889.0	9,595.8	40.9	40.7	-32.60	3,261.7	-1,900.4	909.9	839.1	70.84	12.845	
13,300.0	10,346.2	13,007.7	9,591.7	41.3	41.3	-32.73	3,380.2	-1,906.0	915.5	843.3	72.20	12.680	
13,395.0	10,346.6	13,088.8	9,589.7	41.8	41.8	-32.80	3,461.2	-1,909.1	919.7	846.5	73.16	12.570	
13,400.0	10,346.6	13,092.9	9,589.6	41.8	41.9	-32.81	3,465.3	-1,909.2	919.9	846.7	73.21	12.566	
13,490.0	10,347.0	13,196.7	9,586.9	42.2	42.5	-32.95	3,569.0	-1,914.1	924.4	850.0	74.44	12.418	
13,500.0	10,347.1	13,210.8	9,586.8	42.3	42.6	-32.97	3,583.0	-1,914.7	924.8	850.2	74.61	12.395	
13,585.0	10,347.4	13,332.9	9,587.2	42.7	43.3	-33.09	3,705.1	-1,917.2	925.5	849.5	75.99	12.179	
13,600.0	10,347.5	13,349.7	9,587.5	42.7	43.4	-33.10	3,721.9	-1,917.4	925.4	849.2	76.19	12.147	
13,680.0	10,347.8	13,445.9	9,590.1	43.1	44.0	-33.22	3,818.0	-1,918.4	924.3	846.9	77.31	11.956	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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											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	
13,700.0	10,347.9	13,471.4	9,591.2	43.2	44.2	-33.26	3,843.5	-1,918.6	923.7	846.1	77.60	11.903
13,775.0	10,348.2	13,576.4	9,598.1	43.6	44.8	-33.53	3,948.3	-1,919.7	920.2	841.4	78.78	11.680
13,800.0	10,348.3	13,601.1	9,600.3	43.7	45.0	-33.62	3,972.9	-1,920.0	918.6	839.5	79.11	11.612
13,870.0	10,348.6	13,664.9	9,605.5	44.1	45.4	-33.81	4,036.4	-1,920.6	914.4	834.4	79.97	11.434
13,900.0	10,348.7	13,692.5	9,607.5	44.2	45.6	-33.88	4,064.0	-1,920.8	912.7	832.4	80.34	11.360
13,965.0	10,349.0	13,753.0	9,611.9	44.5	46.0	-34.05	4,124.3	-1,921.4	909.4	828.2	81.16	11.205
14,000.0	10,349.1	13,787.0	9,614.3	44.7	46.2	-34.16	4,158.2	-1,922.0	907.7	826.1	81.61	11.122
14,060.0	10,349.4	13,848.8	9,618.7	45.0	46.6	-34.35	4,219.9	-1,922.8	904.7	822.3	82.42	10.978
14,100.0	10,349.5	13,890.0	9,621.6	45.2	46.8	-34.46	4,260.9	-1,923.2	902.7	819.8	82.95	10.882
14,155.0	10,349.8	13,946.4	9,625.7	45.5	47.2	-34.62	4,317.2	-1,923.8	899.8	816.2	83.69	10.752
14,200.0	10,350.0	13,959.0	9,626.7	45.8	47.3	-34.66	4,329.8	-1,923.9	898.0	814.0	84.03	10.687
14,250.0	10,350.2	14,006.5	9,629.3	46.0	47.6	-34.78	4,377.2	-1,924.6	896.4	811.7	84.67	10.587
14,279.8	10,350.3	14,023.6	9,629.8	46.2	47.7	-34.82	4,394.3	-1,925.1	896.2	811.3	84.95	10.550
14,300.0	10,350.4	14,054.0	9,630.0	46.3	47.9	-34.87	4,424.7	-1,926.0	896.6	811.2	85.34	10.506
14,310.2	10,350.4	14,054.0	9,630.0	46.3	47.9	-34.87	4,424.7	-1,926.0	896.6	811.2	85.34	10.506
14,345.0	10,350.6	14,066.1	9,630.0	46.5	48.0	-34.89	4,436.8	-1,926.5	897.2	811.6	85.57	10.485
14,400.0	10,350.8	14,120.2	9,630.2	46.8	48.4	-35.01	4,490.8	-1,929.0	898.6	812.3	86.29	10.414
14,440.0	10,351.0	14,159.0	9,630.6	47.0	48.6	-35.14	4,529.5	-1,931.2	899.7	812.9	86.82	10.362
14,500.0	10,351.2	14,215.5	9,631.1	47.4	49.0	-35.32	4,586.0	-1,934.7	901.5	813.9	87.60	10.291
14,535.0	10,351.3	14,248.8	9,631.3	47.6	49.2	-35.42	4,619.1	-1,936.7	902.6	814.6	88.06	10.250
14,600.0	10,351.6	14,312.4	9,631.5	47.9	49.7	-35.61	4,682.7	-1,940.4	904.9	815.9	88.93	10.175
14,630.0	10,351.7	14,337.0	9,631.5	48.1	49.8	-35.67	4,707.2	-1,941.8	905.9	816.7	89.27	10.148
14,700.0	10,352.0	14,392.0	9,630.3	48.5	50.2	-35.75	4,762.2	-1,944.4	909.2	819.2	90.02	10.100
14,725.0	10,352.1	14,410.4	9,629.5	48.6	50.3	-35.75	4,780.5	-1,945.0	910.8	820.5	90.26	10.090
14,800.0	10,352.4	14,476.0	9,625.2	49.0	50.8	-35.67	4,846.0	-1,947.0	916.2	825.1	91.10	10.057
14,820.0	10,352.5	14,495.4	9,623.9	49.2	50.9	-35.65	4,865.3	-1,947.6	917.7	826.3	91.35	10.046
14,900.0	10,352.9	14,572.2	9,618.8	49.6	51.5	-35.59	4,941.9	-1,950.4	923.8	831.5	92.34	10.005
14,915.0	10,352.9	14,586.6	9,617.9	49.7	51.6	-35.58	4,956.2	-1,950.9	925.0	832.5	92.52	9.998
15,000.0	10,353.3	14,738.9	9,611.7	50.2	52.6	-35.49	5,108.3	-1,954.3	929.5	835.1	94.39	9.847
15,010.0	10,353.3	14,751.0	9,611.7	50.2	52.7	-35.49	5,120.4	-1,954.4	929.5	835.0	94.54	9.832
15,100.0	10,353.7	14,849.8	9,613.1	50.8	53.4	-35.58	5,219.2	-1,955.6	929.3	833.4	95.84	9.696
15,105.0	10,353.7	14,854.6	9,613.2	50.8	53.5	-35.59	5,224.0	-1,955.7	929.3	833.3	95.91	9.689
15,200.0	10,354.1	14,948.2	9,615.4	51.4	54.1	-35.75	5,317.5	-1,957.8	928.9	831.7	97.21	9.556
15,295.0	10,354.5	15,050.7	9,618.6	51.9	54.9	-36.00	5,419.9	-1,961.0	928.4	829.8	98.61	9.416
15,300.0	10,354.5	15,056.5	9,618.9	51.9	54.9	-36.01	5,425.7	-1,961.2	928.4	829.7	98.68	9.408
15,390.0	10,354.9	15,149.4	9,623.5	52.5	55.6	-36.33	5,518.4	-1,964.6	926.9	826.9	100.00	9.270
15,400.0	10,354.9	15,158.9	9,623.9	52.5	55.6	-36.36	5,527.9	-1,965.0	926.8	826.7	100.14	9.255
15,485.0	10,355.3	15,233.0	9,627.5	53.0	56.2	-36.63	5,601.9	-1,968.2	925.9	824.7	101.27	9.143
15,498.3	10,355.3	15,243.9	9,627.9	53.1	56.3	-36.67	5,612.8	-1,968.7	925.9	824.5	101.44	9.127
15,500.0	10,355.3	15,245.3	9,627.9	53.1	56.3	-36.68	5,614.2	-1,968.8	925.9	824.5	101.47	9.125
15,580.0	10,355.7	15,315.4	9,629.8	53.6	56.8	-36.88	5,684.2	-1,971.9	926.5	824.0	102.52	9.037
15,600.0	10,355.8	15,334.7	9,629.9	53.7	56.9	-36.90	5,703.4	-1,972.3	926.7	823.9	102.79	9.016
15,675.0	10,356.1	15,403.7	9,628.4	54.2	57.4	-36.80	5,772.4	-1,971.6	927.8	824.1	103.73	8.944
15,700.0	10,356.2	15,424.8	9,627.5	54.3	57.6	-36.74	5,793.5	-1,971.2	928.3	824.3	104.02	8.924
15,770.0	10,356.5	15,475.0	9,625.0	54.8	57.9	-36.57	5,843.6	-1,969.9	930.3	825.6	104.73	8.884
15,800.0	10,356.6	15,507.0	9,623.0	55.0	58.2	-36.44	5,875.5	-1,969.0	931.4	826.3	105.13	8.860
15,865.0	10,356.9	15,558.0	9,618.9	55.4	58.6	-36.20	5,926.4	-1,967.5	934.7	828.9	105.80	8.834
15,900.0	10,357.0	15,614.1	9,614.4	55.6	59.0	-35.95	5,982.3	-1,965.9	936.5	830.0	106.47	8.795
15,960.0	10,357.3	15,691.7	9,612.0	55.9	59.6	-35.77	6,059.7	-1,964.5	937.3	829.9	107.44	8.724
16,000.0	10,357.4	15,720.1	9,611.0	56.2	59.8	-35.71	6,088.2	-1,964.0	938.2	830.3	107.87	8.698
16,055.0	10,357.7	15,760.0	9,608.8	56.5	60.1	-35.58	6,128.0	-1,963.3	940.2	831.8	108.44	8.671

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	
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	
16,100.0	10,357.8	15,870.5	9,607.0	56.8	60.9	-35.45	6,238.4	-1,962.3	940.7	831.1	109.61	8.582		
16,150.0	10,358.0	15,935.1	9,611.2	57.1	61.4	-35.61	6,302.8	-1,962.8	938.2	827.8	110.42	8.497		
16,200.0	10,358.3	15,997.9	9,616.3	57.4	61.9	-35.82	6,365.4	-1,963.7	935.3	824.1	111.22	8.409		
16,245.0	10,358.4	16,034.6	9,619.2	57.7	62.1	-35.94	6,402.0	-1,964.4	933.1	821.2	111.85	8.342		
16,300.0	10,358.7	16,075.4	9,621.7	58.1	62.4	-36.06	6,442.8	-1,965.1	931.0	818.4	112.58	8.269		
16,340.0	10,358.8	16,104.3	9,622.9	58.3	62.6	-36.11	6,471.7	-1,965.4	930.0	816.9	113.10	8.223		
16,400.0	10,359.1	16,160.2	9,624.2	58.7	63.1	-36.17	6,527.5	-1,965.9	929.3	815.4	113.92	8.157		
16,435.0	10,359.2	16,220.9	9,627.4	58.9	63.5	-36.34	6,588.1	-1,967.2	928.4	813.8	114.60	8.101		
16,500.0	10,359.5	16,276.6	9,631.7	59.3	63.9	-36.57	6,643.6	-1,969.1	925.8	810.2	115.53	8.013		
16,530.0	10,359.6	16,299.2	9,633.1	59.5	64.1	-36.65	6,666.2	-1,969.8	925.0	809.0	115.93	7.978		
16,600.0	10,359.9	16,357.7	9,635.6	60.0	64.5	-36.82	6,724.5	-1,971.5	923.9	807.0	116.89	7.904		
16,625.0	10,360.0	16,381.0	9,636.5	60.1	64.7	-36.88	6,747.8	-1,972.2	923.6	806.4	117.24	7.878		
16,700.0	10,360.3	16,452.0	9,638.5	60.6	65.3	-37.02	6,818.8	-1,973.9	923.1	804.8	118.31	7.802		
16,720.0	10,360.4	16,471.4	9,639.0	60.7	65.4	-37.05	6,838.2	-1,974.3	923.0	804.4	118.60	7.783		
16,769.0	10,360.6	16,517.0	9,639.9	61.1	65.8	-37.11	6,883.8	-1,975.1	922.9	803.6	119.29	7.737		
16,800.0	10,360.7	16,541.8	9,640.2	61.3	66.0	-37.14	6,908.6	-1,975.4	923.0	803.3	119.68	7.712		
16,815.0	10,360.8	16,553.1	9,640.2	61.4	66.0	-37.14	6,919.9	-1,975.6	923.1	803.2	119.86	7.701		
16,900.0	10,361.2	16,627.8	9,638.8	61.9	66.6	-37.11	6,994.5	-1,976.3	924.9	803.9	120.97	7.646		
16,910.0	10,361.2	16,650.4	9,638.6	62.0	66.8	-37.10	7,017.2	-1,976.4	925.0	803.8	121.23	7.630		
17,000.0	10,361.6	16,763.1	9,641.3	62.6	67.7	-37.19	7,129.8	-1,976.8	923.4	800.7	122.71	7.525		
17,005.0	10,361.6	16,767.5	9,641.5	62.6	67.7	-37.20	7,134.2	-1,976.8	923.3	800.6	122.78	7.520		
17,080.0	10,361.9	16,827.8	9,642.4	63.1	68.1	-37.22	7,194.5	-1,976.9	922.6	798.9	123.76	7.455		
17,100.0	10,362.0	16,842.4	9,642.4	63.2	68.3	-37.22	7,209.1	-1,977.0	922.7	798.7	124.00	7.441		
17,195.0	10,362.4	16,921.2	9,641.0	63.8	68.9	-37.17	7,287.9	-1,977.4	924.4	799.2	125.20	7.384		
17,200.0	10,362.4	16,927.0	9,640.9	63.9	68.9	-37.16	7,293.7	-1,977.4	924.6	799.3	125.28	7.380		
17,290.0	10,362.8	17,036.9	9,639.7	64.5	69.8	-37.11	7,403.6	-1,977.8	925.8	799.0	126.75	7.304		
17,300.0	10,362.8	17,050.0	9,639.8	64.5	69.9	-37.11	7,416.7	-1,977.8	925.8	798.8	126.92	7.294		
17,385.0	10,363.2	17,145.4	9,641.7	65.1	70.6	-37.19	7,512.0	-1,978.4	924.8	796.6	128.24	7.212		
17,400.0	10,363.2	17,160.9	9,642.1	65.2	70.7	-37.20	7,527.5	-1,978.4	924.6	796.2	128.46	7.198		
17,480.0	10,363.6	17,239.9	9,643.8	65.7	71.3	-37.25	7,606.5	-1,978.6	923.5	793.9	129.63	7.124		
17,500.0	10,363.6	17,259.4	9,644.2	65.8	71.5	-37.27	7,626.0	-1,978.7	923.2	793.3	129.92	7.106		
17,575.0	10,364.0	17,335.3	9,645.9	66.3	72.1	-37.33	7,701.9	-1,979.0	922.3	791.3	131.03	7.039		
17,600.0	10,364.1	17,360.9	9,646.5	66.5	72.3	-37.35	7,727.5	-1,979.2	921.9	790.5	131.40	7.016		
17,670.0	10,364.3	17,425.8	9,648.1	67.0	72.8	-37.42	7,792.3	-1,979.7	921.1	788.7	132.40	6.957		
17,700.0	10,364.5	17,453.3	9,648.7	67.2	73.0	-37.46	7,819.9	-1,980.2	920.9	788.1	132.83	6.933		
17,735.5	10,364.6	17,483.4	9,649.4	67.4	73.2	-37.51	7,849.9	-1,980.8	920.8	787.5	133.32	6.907		
17,765.0	10,364.7	17,507.7	9,649.8	67.6	73.4	-37.55	7,874.2	-1,981.3	920.9	787.2	133.71	6.887		
17,800.0	10,364.9	17,536.4	9,650.2	67.8	73.7	-37.59	7,903.0	-1,982.1	921.2	787.0	134.18	6.865		
17,860.0	10,365.1	17,584.7	9,650.3	68.2	74.0	-37.66	7,951.2	-1,983.6	922.3	787.3	134.95	6.834		
17,900.0	10,365.3	17,616.5	9,650.2	68.5	74.3	-37.71	7,982.9	-1,984.9	923.5	788.0	135.46	6.818		
17,955.0	10,365.5	17,661.9	9,649.7	68.9	74.7	-37.78	8,028.3	-1,987.0	925.7	789.5	136.16	6.799		
18,000.0	10,365.7	17,704.0	9,648.9	69.2	75.0	-37.84	8,070.4	-1,989.0	927.8	791.0	136.79	6.782		
18,050.0	10,365.9	17,750.8	9,647.7	69.5	75.4	-37.89	8,117.1	-1,991.1	930.2	792.7	137.49	6.765		
18,100.0	10,366.1	17,797.3	9,646.4	69.9	75.7	-37.93	8,163.5	-1,993.2	932.8	794.7	138.19	6.751		
18,145.0	10,366.3	17,839.1	9,645.1	70.2	76.1	-37.96	8,205.2	-1,995.2	935.4	796.6	138.81	6.739		
18,200.0	10,366.5	17,906.1	9,642.5	70.5	76.6	-37.95	8,272.2	-1,997.3	938.2	798.4	139.78	6.712		
18,240.0	10,366.7	17,951.3	9,640.4	70.8	76.9	-37.87	8,317.4	-1,997.5	939.9	799.4	140.42	6.693		
18,300.0	10,367.0	18,012.2	9,637.5	71.2	77.4	-37.74	8,378.2	-1,997.4	942.2	800.9	141.29	6.669		
18,335.0	10,367.1	18,048.4	9,635.8	71.4	77.7	-37.66	8,414.3	-1,997.3	943.5	801.7	141.80	6.654		
18,400.0	10,367.4	18,116.7	9,632.7	71.9	78.3	-37.52	8,482.5	-1,997.0	945.8	803.1	142.77	6.625		
18,430.0	10,367.5	18,156.6	9,631.1	72.1	78.6	-37.44	8,522.4	-1,996.8	946.7	803.4	143.30	6.606		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
18,500.0	10,367.8	18,247.8	9,628.8	72.6	79.3	-37.24	8,613.6	-1,994.9	947.4	802.9	144.48	6.557
18,525.0	10,367.9	18,276.6	9,628.3	72.7	79.5	-37.18	8,642.3	-1,994.2	947.4	802.5	144.87	6.540
18,600.0	10,368.2	18,365.4	9,628.0	73.3	80.3	-37.04	8,731.1	-1,992.0	946.6	800.6	146.03	6.483
18,620.0	10,368.3	18,389.6	9,628.2	73.4	80.4	-37.02	8,755.3	-1,991.4	946.2	799.9	146.34	6.466
18,700.0	10,368.6	18,470.8	9,629.8	73.9	81.1	-36.98	8,836.4	-1,989.9	944.3	796.8	147.52	6.401
18,715.0	10,368.7	18,485.4	9,630.1	74.0	81.2	-36.98	8,851.1	-1,989.8	944.0	796.2	147.74	6.389
18,800.0	10,369.0	18,570.7	9,631.9	74.6	81.9	-36.97	8,936.3	-1,988.6	942.0	793.0	149.00	6.322
18,810.0	10,369.1	18,580.7	9,632.0	74.7	82.0	-36.96	8,946.4	-1,988.4	941.8	792.7	149.15	6.314
18,900.0	10,369.4	18,665.3	9,632.9	75.3	82.6	-36.88	9,030.9	-1,986.3	939.9	789.5	150.44	6.248
18,905.0	10,369.5	18,669.9	9,633.0	75.3	82.7	-36.87	9,035.5	-1,986.2	939.8	789.3	150.52	6.244
19,000.0	10,369.9	18,770.3	9,633.7	76.0	83.5	-36.75	9,135.9	-1,983.7	938.1	786.2	151.93	6.175
19,095.0	10,370.3	18,876.9	9,634.8	76.7	84.3	-36.56	9,242.4	-1,979.6	935.4	782.0	153.34	6.100
19,100.0	10,370.3	18,882.5	9,634.9	76.7	84.4	-36.55	9,248.0	-1,979.4	935.2	781.8	153.41	6.096
19,190.0	10,370.6	18,973.0	9,636.1	77.3	85.1	-36.35	9,338.4	-1,975.0	931.8	777.1	154.71	6.023
19,200.0	10,370.7	18,984.6	9,636.2	77.4	85.2	-36.33	9,350.0	-1,974.3	931.4	776.5	154.86	6.014
19,285.0	10,371.0	19,061.2	9,636.4	78.0	85.8	-36.09	9,426.4	-1,970.0	928.6	772.5	156.06	5.950
19,300.0	10,371.1	19,074.9	9,636.3	78.1	85.9	-36.05	9,440.1	-1,969.1	928.1	771.9	156.27	5.939
19,380.0	10,371.4	19,149.1	9,635.3	78.6	86.5	-35.76	9,514.1	-1,964.4	926.2	768.8	157.38	5.885
19,400.0	10,371.5	19,163.0	9,635.0	78.8	86.6	-35.69	9,528.0	-1,963.5	925.8	768.1	157.64	5.873
19,475.0	10,371.8	19,231.0	9,633.4	79.3	87.2	-35.41	9,595.9	-1,959.4	924.8	766.1	158.66	5.829
19,500.0	10,371.9	19,258.0	9,632.7	79.5	87.4	-35.32	9,622.8	-1,958.1	924.7	765.7	159.03	5.815
19,570.0	10,372.2	19,337.2	9,631.9	80.0	88.0	-35.13	9,702.0	-1,955.3	924.0	763.9	160.08	5.772
19,600.0	10,372.3	19,369.7	9,632.3	80.2	88.3	-35.10	9,734.4	-1,954.6	923.4	762.8	160.54	5.752
19,665.0	10,372.6	19,431.9	9,633.2	80.6	88.8	-35.05	9,796.7	-1,953.4	922.1	760.6	161.49	5.710
19,700.0	10,372.8	19,466.1	9,633.6	80.9	89.1	-35.03	9,830.8	-1,952.7	921.4	759.4	162.01	5.688
19,760.0	10,373.0	19,525.8	9,634.2	81.3	89.6	-34.98	9,890.5	-1,951.6	920.4	757.5	162.90	5.650
19,800.0	10,373.2	19,565.6	9,634.6	81.6	89.9	-34.94	9,930.3	-1,950.7	919.7	756.2	163.49	5.625
19,855.0	10,373.4	19,620.5	9,635.0	81.9	90.3	-34.88	9,985.2	-1,949.5	918.8	754.5	164.30	5.592
19,900.0	10,373.6	19,666.5	9,635.5	82.3	90.7	-34.83	10,031.2	-1,948.6	918.0	753.0	164.98	5.564
19,950.0	10,373.8	19,718.5	9,636.4	82.6	91.1	-34.82	10,083.1	-1,947.9	917.0	751.3	165.73	5.533
20,000.0	10,374.0	19,766.0	9,637.5	83.0	91.5	-34.83	10,130.6	-1,947.7	916.0	749.6	166.48	5.502
20,045.0	10,374.2	19,807.2	9,638.3	83.3	91.9	-34.84	10,171.8	-1,947.5	915.3	748.2	167.14	5.476
20,100.0	10,374.4	19,857.4	9,639.0	83.7	92.3	-34.85	10,222.0	-1,947.5	914.7	746.8	167.95	5.447
20,140.0	10,374.6	19,893.8	9,639.4	83.9	92.6	-34.86	10,258.5	-1,947.5	914.5	746.0	168.53	5.426
20,180.1	10,374.8	19,930.0	9,639.7	84.2	92.8	-34.87	10,294.6	-1,947.6	914.4	745.3	169.11	5.407
20,200.0	10,374.8	19,947.3	9,639.8	84.4	93.0	-34.87	10,311.9	-1,947.7	914.4	745.0	169.39	5.398
20,235.0	10,375.0	19,977.7	9,639.8	84.6	93.2	-34.87	10,342.4	-1,947.8	914.6	744.7	169.88	5.384
20,300.0	10,375.2	20,034.0	9,639.3	85.1	93.7	-34.85	10,398.6	-1,948.1	915.4	744.6	170.78	5.360
20,330.0	10,375.4	20,059.7	9,638.9	85.3	93.9	-34.85	10,424.3	-1,948.4	916.0	744.8	171.19	5.351
20,400.0	10,375.7	20,125.4	9,637.6	85.8	94.4	-34.83	10,490.0	-1,949.4	917.9	745.7	172.20	5.331
20,425.0	10,375.8	20,162.7	9,637.2	86.0	94.7	-34.84	10,527.3	-1,950.0	918.4	745.7	172.71	5.318
20,500.0	10,376.1	20,247.4	9,637.8	86.5	95.4	-34.89	10,612.0	-1,950.9	918.6	744.7	173.93	5.281
20,520.0	10,376.2	20,265.2	9,637.9	86.6	95.6	-34.90	10,629.8	-1,951.1	918.7	744.4	174.22	5.273
20,600.0	10,376.5	20,347.4	9,638.1	87.2	96.3	-34.93	10,712.0	-1,952.0	919.2	743.8	175.46	5.239
20,615.0	10,376.6	20,365.0	9,638.2	87.3	96.4	-34.94	10,729.6	-1,952.2	919.2	743.5	175.71	5.232
20,700.0	10,376.9	20,458.2	9,639.6	87.9	97.2	-35.00	10,822.7	-1,952.9	918.8	741.7	177.06	5.189
20,710.0	10,376.9	20,468.8	9,639.8	88.0	97.2	-35.01	10,833.3	-1,953.0	918.7	741.5	177.21	5.184
20,800.0	10,377.3	20,559.2	9,641.5	88.6	98.0	-35.07	10,923.8	-1,953.4	917.7	739.1	178.59	5.139
20,805.0	10,377.3	20,564.2	9,641.6	88.6	98.0	-35.07	10,928.7	-1,953.4	917.7	739.0	178.67	5.136
20,875.4	10,377.6	20,625.4	9,642.6	89.1	98.5	-35.12	10,990.0	-1,953.9	917.2	737.5	179.69	5.104
20,900.0	10,377.7	20,645.4	9,642.7	89.3	98.7	-35.12	11,010.0	-1,954.0	917.3	737.3	180.03	5.095

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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											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	
20,995.0	10,378.1	20,745.5	9,642.5	90.0	99.5	-35.12	11,110.1	-1,954.6	918.0	736.5	181.51	5.058
21,000.0	10,378.1	20,751.8	9,642.5	90.0	99.6	-35.12	11,116.4	-1,954.6	918.0	736.4	181.60	5.055
21,090.0	10,378.5	20,849.7	9,643.8	90.7	100.4	-35.16	11,214.2	-1,954.8	917.3	734.3	183.02	5.012
21,100.0	10,378.6	20,860.1	9,644.0	90.7	100.4	-35.16	11,224.6	-1,954.8	917.2	734.0	183.17	5.007
21,185.0	10,378.9	20,962.4	9,646.4	91.3	101.3	-35.20	11,326.9	-1,954.3	915.5	731.0	184.53	4.961
21,200.0	10,379.0	20,980.1	9,647.0	91.5	101.4	-35.20	11,344.6	-1,954.1	915.1	730.3	184.77	4.953
21,280.0	10,379.3	21,071.5	9,651.2	92.0	102.2	-35.30	11,435.9	-1,953.4	911.9	725.9	186.00	4.902
21,300.0	10,379.4	21,090.7	9,652.3	92.2	102.3	-35.33	11,455.0	-1,953.4	911.0	724.6	186.32	4.889
21,375.0	10,379.7	21,162.5	9,656.7	92.7	102.9	-35.51	11,526.8	-1,954.0	907.7	720.3	187.49	4.841
21,400.0	10,379.8	21,186.7	9,658.3	92.9	103.1	-35.58	11,550.8	-1,954.4	906.7	718.8	187.89	4.826
21,470.0	10,380.1	21,254.3	9,662.4	93.4	103.7	-35.77	11,618.3	-1,955.5	904.0	715.0	189.00	4.783
21,500.0	10,380.2	21,284.3	9,664.2	93.6	103.9	-35.85	11,648.2	-1,955.9	902.9	713.4	189.47	4.765
21,565.0	10,380.5	21,349.2	9,668.0	94.1	104.4	-36.02	11,713.1	-1,956.8	900.5	710.0	190.50	4.727
21,600.0	10,380.6	21,383.6	9,670.0	94.3	104.7	-36.11	11,747.4	-1,957.2	899.2	708.1	191.05	4.707
21,660.0	10,380.9	21,442.0	9,673.7	94.7	105.2	-36.30	11,805.7	-1,958.5	897.0	705.0	192.00	4.672
21,700.0	10,381.1	21,481.2	9,676.3	95.0	105.5	-36.44	11,844.7	-1,959.5	895.6	703.0	192.64	4.649
21,755.0	10,381.3	21,534.2	9,679.7	95.4	105.9	-36.63	11,897.6	-1,961.0	893.8	700.3	193.52	4.619
21,800.0	10,381.5	21,582.1	9,682.9	95.7	106.3	-36.81	11,945.4	-1,962.5	892.3	698.1	194.25	4.594
21,850.0	10,381.7	21,632.0	9,686.4	96.1	106.7	-37.02	11,995.2	-1,964.0	890.5	695.4	195.05	4.565
21,900.0	10,381.9	21,680.4	9,689.8	96.5	107.1	-37.21	12,043.4	-1,965.5	888.7	692.9	195.86	4.538
21,945.0	10,382.1	21,721.1	9,692.5	96.8	107.5	-37.38	12,084.0	-1,966.8	887.4	690.8	196.57	4.514
22,000.0	10,382.3	21,773.0	9,695.7	97.2	107.9	-37.58	12,135.8	-1,968.5	885.9	688.5	197.45	4.487
22,040.1	10,382.5	21,811.0	9,697.7	97.5	108.2	-37.70	12,173.7	-1,969.6	885.0	686.9	198.08	4.468
22,100.0	10,382.7	21,868.3	9,700.5	97.9	108.7	-37.87	12,230.9	-1,971.1	883.8	684.8	199.03	4.441
22,135.0	10,382.9	21,903.3	9,702.1	98.1	109.0	-37.97	12,265.8	-1,972.0	883.1	683.6	199.58	4.425
22,163.2	10,383.0	21,915.0	9,702.6	98.4	109.1	-38.01	12,277.6	-1,972.3	882.8	682.8	199.93	4.415
22,170.0	10,383.0	21,915.0	9,702.6	98.4	109.1	-38.01	12,277.6	-1,972.3	882.8	682.8	199.98	4.414 SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			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	0.0	0.0	3.0	3.0	89.74	0.5	119.9	119.9					
95.0	95.0	92.6	92.6	3.0	3.0	89.74	0.5	119.9	119.9	113.9	6.05	19.824		
100.0	100.0	97.6	97.6	3.0	3.0	89.74	0.5	119.9	119.9	113.9	6.06	19.804		
190.0	190.0	187.6	187.6	3.1	3.1	89.74	0.5	119.9	119.9	113.6	6.26	19.141		
200.0	200.0	197.6	197.6	3.2	3.2	89.74	0.5	119.9	119.9	113.6	6.30	19.042		
285.0	285.0	282.6	282.6	3.3	3.3	89.74	0.5	119.9	119.9	113.4	6.49	18.464		
300.0	300.0	297.6	297.6	3.3	3.3	89.74	0.5	119.9	119.9	113.4	6.53	18.353		
380.0	380.0	377.6	377.6	3.4	3.4	89.74	0.5	119.9	119.9	113.2	6.71	17.862		
400.0	400.0	397.6	397.6	3.4	3.4	89.74	0.5	119.9	119.9	113.1	6.76	17.735		
475.0	475.0	472.6	472.6	3.5	3.5	89.74	0.5	119.9	119.9	113.0	6.92	17.317		
500.0	500.0	497.6	497.6	3.5	3.5	89.74	0.5	119.9	119.9	112.9	6.98	17.176		
570.0	570.0	567.6	567.6	3.6	3.6	89.74	0.5	119.9	119.9	112.8	7.13	16.820		
600.0	600.0	597.6	597.6	3.6	3.6	89.74	0.5	119.9	119.9	112.7	7.19	16.666		
665.0	665.0	662.6	662.6	3.7	3.7	89.74	0.5	119.9	119.9	112.6	7.33	16.363		
700.0	700.0	697.6	697.6	3.8	3.8	89.74	0.5	119.9	119.9	112.5	7.40	16.200		
760.0	760.0	757.6	757.6	3.8	3.8	89.74	0.5	119.9	119.9	112.4	7.52	15.941		
800.0	800.0	797.6	797.6	3.9	3.9	89.74	0.5	119.9	119.9	112.3	7.60	15.770		
855.0	855.0	852.6	852.6	4.0	4.0	89.74	0.5	119.9	119.9	112.2	7.71	15.551		
900.0	900.0	897.6	897.6	4.0	4.0	89.74	0.5	119.9	119.9	112.1	7.80	15.373		
950.0	950.0	947.6	947.6	4.1	4.1	89.74	0.5	119.9	119.9	112.0	7.90	15.188		
1,000.0	1,000.0	997.6	997.6	4.1	4.1	89.74	0.5	119.9	119.9	111.9	7.99	15.005		
1,045.0	1,045.0	1,042.6	1,042.6	4.2	4.2	89.74	0.5	119.9	119.9	111.8	8.08	14.849		
1,100.0	1,100.0	1,097.6	1,097.6	4.3	4.2	89.74	0.5	119.9	119.9	111.7	8.18	14.661		
1,140.0	1,140.0	1,137.6	1,137.6	4.3	4.3	89.74	0.5	119.9	119.9	111.7	8.25	14.532		
1,200.0	1,200.0	1,197.6	1,197.6	4.4	4.4	89.74	0.5	119.9	119.9	111.5	8.36	14.341		
1,235.0	1,235.0	1,232.6	1,232.6	4.4	4.4	89.74	0.5	119.9	119.9	111.5	8.42	14.235		
1,300.0	1,300.0	1,297.6	1,297.6	4.5	4.5	89.74	0.5	119.9	119.9	111.4	8.54	14.040		
1,330.0	1,330.0	1,327.6	1,327.6	4.5	4.5	89.74	0.5	119.9	119.9	111.3	8.59	13.955		
1,400.0	1,400.0	1,397.6	1,397.6	4.6	4.6	89.74	0.5	119.9	119.9	111.2	8.72	13.758		
1,425.0	1,425.0	1,422.6	1,422.6	4.6	4.6	89.74	0.5	119.9	119.9	111.2	8.76	13.691		
1,500.0	1,500.0	1,497.6	1,497.6	4.7	4.7	89.74	0.5	119.9	119.9	111.0	8.89	13.492 CC, ES		
1,520.0	1,520.0	1,516.9	1,516.9	4.7	4.7	164.84	0.5	120.0	120.0	111.1	8.96	13.398		
1,600.0	1,600.0	1,593.6	1,593.6	4.8	4.8	164.97	0.7	121.4	123.2	113.9	9.25	13.312 SF		
1,615.0	1,615.0	1,607.9	1,607.9	4.9	4.8	165.01	0.7	121.9	124.3	114.9	9.33	13.322		
1,700.0	1,699.8	1,688.8	1,688.7	5.0	5.0	165.34	1.0	126.1	133.1	123.4	9.78	13.617		
1,710.0	1,709.8	1,700.0	1,699.8	5.0	5.0	165.39	1.1	126.9	134.5	124.7	9.84	13.669		
1,800.0	1,799.5	1,782.8	1,782.4	5.3	5.2	165.82	1.6	133.8	149.7	139.4	10.32	14.507		
1,805.0	1,804.4	1,787.5	1,787.0	5.3	5.2	165.85	1.6	134.3	150.7	140.4	10.35	14.565		
1,900.0	1,898.7	1,875.0	1,873.9	5.6	5.4	166.33	2.3	144.4	172.8	162.0	10.81	15.992		
1,995.0	1,992.5	1,966.1	1,964.3	5.9	5.6	166.86	3.2	156.2	199.3	188.0	11.30	17.637		
2,000.0	1,997.5	1,970.9	1,969.0	5.9	5.6	166.89	3.3	156.8	200.8	189.4	11.33	17.724		
2,090.0	2,085.8	2,056.4	2,053.8	6.2	5.8	167.41	4.1	168.0	228.7	216.8	11.85	19.299		
2,100.0	2,095.6	2,065.9	2,063.2	6.2	5.8	167.46	4.2	169.2	232.0	220.1	11.91	19.479		
2,185.0	2,178.5	2,145.7	2,142.3	6.5	6.0	167.94	4.9	179.6	261.0	248.6	12.43	21.008		
2,200.0	2,193.1	2,159.7	2,156.2	6.6	6.1	168.02	5.1	181.4	266.4	253.9	12.52	21.282		
2,280.0	2,270.7	2,234.3	2,230.1	6.8	6.3	168.53	5.8	191.1	295.3	282.3	12.97	22.759		
2,300.0	2,290.1	2,252.9	2,248.6	6.9	6.4	168.64	5.9	193.5	302.5	289.4	13.09	23.110		
2,375.0	2,362.9	2,322.8	2,317.9	7.2	6.6	169.02	6.6	202.6	329.6	316.1	13.54	24.349		
2,400.0	2,387.1	2,346.1	2,341.0	7.2	6.6	169.13	6.8	205.7	338.6	324.9	13.69	24.740		
2,470.0	2,455.0	2,411.4	2,405.7	7.5	6.9	169.42	7.5	214.2	363.9	349.8	14.12	25.769		
2,500.0	2,484.1	2,439.4	2,433.5	7.6	6.9	169.53	7.7	217.8	374.8	360.4	14.31	26.186		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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
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	2,499.9	2,493.5	7.8	7.1	169.75	8.3	225.7	398.3	383.5	14.73	27.036	
2,600.0	2,581.2	2,532.6	2,525.9	7.9	7.2	169.85	8.6	229.9	410.9	395.9	14.96	27.468	
2,660.0	2,639.4	2,588.5	2,581.3	8.2	7.4	170.02	9.2	237.2	432.6	417.2	15.36	28.166	
2,700.0	2,678.2	2,625.8	2,618.3	8.3	7.6	170.13	9.5	242.1	447.1	431.4	15.63	28.607	
2,755.0	2,731.6	2,677.1	2,669.1	8.5	7.7	170.26	10.0	248.8	466.9	450.9	16.00	29.177	
2,800.0	2,775.2	2,719.0	2,710.7	8.7	7.9	170.36	10.4	254.2	483.2	466.9	16.31	29.620	
2,850.0	2,823.7	2,765.6	2,756.9	8.9	8.0	170.46	10.8	260.3	501.3	484.6	16.66	30.083	
2,900.0	2,872.3	2,812.2	2,803.1	9.1	8.2	170.56	11.3	266.4	519.4	502.4	17.02	30.523	
2,945.0	2,915.9	2,854.2	2,844.7	9.3	8.4	170.64	11.7	271.8	535.7	518.3	17.34	30.896	
3,000.0	2,969.3	2,905.4	2,895.5	9.5	8.5	170.73	12.2	278.5	555.6	537.8	17.73	31.330	
3,040.0	3,008.1	2,942.7	2,932.5	9.7	8.7	170.79	12.5	283.3	570.0	552.0	18.02	31.627	
3,100.0	3,066.3	2,998.7	2,988.0	9.9	8.9	170.88	13.1	290.6	591.7	573.3	18.46	32.053	
3,135.0	3,100.3	3,031.3	3,020.3	10.1	9.0	170.93	13.4	294.9	604.4	585.7	18.72	32.286	
3,200.0	3,163.4	3,091.9	3,080.4	10.3	9.2	171.02	14.0	302.8	627.9	608.7	19.20	32.702	
3,230.0	3,192.5	3,119.8	3,108.1	10.5	9.3	171.06	14.2	306.4	638.8	619.3	19.43	32.883	
3,300.0	3,260.4	3,185.1	3,172.8	10.8	9.6	171.14	14.9	314.9	664.1	644.2	19.95	33.286	
3,325.0	3,284.6	3,208.4	3,195.9	10.9	9.7	171.17	15.1	317.9	673.1	653.0	20.14	33.423	
3,400.0	3,357.4	3,278.3	3,265.2	11.2	9.9	171.25	15.7	327.0	700.3	679.6	20.71	33.814	
3,420.0	3,376.8	3,296.9	3,283.7	11.3	10.0	171.27	15.9	329.4	707.5	686.7	20.86	33.914	
3,500.0	3,454.4	3,371.5	3,357.6	11.6	10.3	171.34	16.6	339.2	736.5	715.0	21.48	34.293	
3,515.0	3,469.0	3,385.5	3,371.5	11.7	10.3	171.36	16.8	341.0	741.9	720.3	21.59	34.360	
3,600.0	3,551.5	3,464.7	3,450.1	12.1	10.6	171.43	17.5	351.3	772.7	750.4	22.25	34.727	
3,610.0	3,561.2	3,474.1	3,459.3	12.1	10.7	171.44	17.6	352.5	776.3	754.0	22.33	34.768	
3,700.0	3,648.5	3,557.9	3,542.5	12.5	11.0	171.51	18.4	363.4	808.9	785.8	23.03	35.123	
3,705.0	3,653.3	3,562.6	3,547.1	12.5	11.0	171.52	18.5	364.0	810.7	787.6	23.07	35.142	
3,800.0	3,745.5	3,651.2	3,634.9	13.0	11.4	171.58	19.3	375.6	845.0	821.2	23.81	35.484	
3,895.0	3,837.7	3,739.7	3,722.7	13.4	11.7	171.65	20.2	387.1	879.4	854.9	24.57	35.799	
3,900.0	3,842.6	3,744.4	3,727.3	13.4	11.7	171.65	20.2	387.7	881.2	856.6	24.61	35.815	
3,990.0	3,929.9	3,828.3	3,810.5	13.8	12.1	171.71	21.0	398.6	913.8	888.5	25.32	36.089	
4,000.0	3,939.6	3,837.6	3,819.7	13.9	12.1	171.71	21.1	399.8	917.4	892.0	25.40	36.118	
4,085.0	4,022.1	3,916.8	3,898.3	14.3	12.4	171.76	21.9	410.1	948.2	922.1	26.08	36.357	
4,100.0	4,036.6	3,930.8	3,912.2	14.3	12.5	171.77	22.0	412.0	953.6	927.4	26.20	36.398	
4,180.0	4,114.2	4,005.4	3,986.1	14.7	12.8	171.81	22.7	421.7	982.6	955.7	26.84	36.605	
4,200.0	4,133.6	4,024.0	4,004.6	14.8	12.9	171.82	22.9	424.1	989.8	962.8	27.00	36.655	
4,275.0	4,206.4	4,093.9	4,073.9	15.1	13.1	171.86	23.5	433.2	1,017.0	989.4	27.61	36.835	
4,300.0	4,230.7	4,117.2	4,097.0	15.3	13.2	171.87	23.8	436.2	1,026.0	998.2	27.81	36.893	
4,370.0	4,298.6	4,182.5	4,161.7	15.6	13.5	171.91	24.4	444.7	1,051.4	1,023.0	28.38	37.048	
4,400.0	4,327.7	4,210.5	4,189.4	15.7	13.6	171.92	24.7	448.4	1,062.2	1,033.6	28.62	37.113	
4,465.0	4,390.8	4,271.0	4,249.5	16.0	13.8	171.95	25.2	456.2	1,085.7	1,056.6	29.15	37.247	
4,500.0	4,424.7	4,303.7	4,281.8	16.2	14.0	171.96	25.6	460.5	1,098.4	1,069.0	29.43	37.317	
4,560.0	4,483.0	4,359.6	4,337.3	16.5	14.2	171.99	26.1	467.8	1,120.1	1,090.2	29.92	37.432	
4,600.0	4,521.8	4,396.9	4,374.2	16.6	14.4	172.00	26.4	472.6	1,134.6	1,104.4	30.25	37.507	
4,655.0	4,575.1	4,448.2	4,425.1	16.9	14.6	172.02	26.9	479.3	1,154.5	1,123.8	30.70	37.605	
4,700.0	4,618.8	4,490.1	4,466.7	17.1	14.7	172.04	27.3	484.8	1,170.8	1,139.7	31.07	37.683	
4,750.0	4,667.3	4,536.7	4,512.9	17.3	14.9	172.06	27.8	490.8	1,188.9	1,157.4	31.48	37.767	
4,800.0	4,715.8	4,583.3	4,559.1	17.6	15.1	172.08	28.2	496.9	1,207.0	1,175.1	31.89	37.848	
4,845.0	4,759.5	4,625.3	4,600.7	17.8	15.3	172.09	28.6	502.4	1,223.3	1,191.0	32.25	37.926	
4,900.0	4,812.9	4,682.9	4,657.8	18.0	15.5	172.11	29.2	509.8	1,243.1	1,210.4	32.74	37.966	
4,940.0	4,851.7	4,730.5	4,705.0	18.2	15.7	172.13	29.6	515.5	1,257.3	1,224.1	33.15	37.929	
5,000.0	4,909.9	4,802.4	4,776.5	18.5	16.0	172.17	30.2	523.5	1,277.9	1,244.2	33.76	37.850	
5,035.0	4,943.8	4,844.7	4,818.6	18.7	16.1	172.20	30.5	527.7	1,289.6	1,255.5	34.12	37.801	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design:	POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #901H - OWB - PWP0.1											Offset Site Error:	3.0 usft
Survey Program:	0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9922-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:							
Measured 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
5,100.0	5,006.9	4,923.7	4,897.3	19.0	16.4	172.25	31.0	534.9	1,310.7	1,276.0	34.77	37.698	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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: Reference				0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS				Rule Assigned:				Offset Well Error: 3.0 usft		
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	
0.0	0.0	0.0	0.0	3.0	3.0	89.78	0.3	89.9	90.0					
95.0	95.0	93.1	93.1	3.0	3.0	89.78	0.3	89.9	90.0	83.9	6.05	14.870		
100.0	100.0	98.1	98.1	3.0	3.0	89.78	0.3	89.9	90.0	83.9	6.06	14.855		
190.0	190.0	188.1	188.1	3.1	3.1	89.78	0.3	89.9	90.0	83.7	6.27	14.357		
200.0	200.0	198.1	198.1	3.2	3.2	89.78	0.3	89.9	90.0	83.7	6.30	14.282		
285.0	285.0	283.1	283.1	3.3	3.3	89.78	0.3	89.9	90.0	83.5	6.50	13.849		
300.0	300.0	298.1	298.1	3.3	3.3	89.78	0.3	89.9	90.0	83.4	6.53	13.766		
380.0	380.0	378.1	378.1	3.4	3.4	89.78	0.3	89.9	90.0	83.2	6.71	13.398		
400.0	400.0	398.1	398.1	3.4	3.4	89.78	0.3	89.9	90.0	83.2	6.76	13.303		
475.0	475.0	473.1	473.1	3.5	3.5	89.78	0.3	89.9	90.0	83.0	6.92	12.989		
500.0	500.0	498.1	498.1	3.5	3.5	89.78	0.3	89.9	90.0	83.0	6.98	12.883		
570.0	570.0	568.1	568.1	3.6	3.6	89.78	0.3	89.9	90.0	82.8	7.13	12.616		
600.0	600.0	598.1	598.1	3.6	3.6	89.78	0.3	89.9	90.0	82.8	7.20	12.501		
665.0	665.0	663.1	663.1	3.7	3.7	89.78	0.3	89.9	90.0	82.6	7.33	12.274		
700.0	700.0	698.1	698.1	3.8	3.8	89.78	0.3	89.9	90.0	82.5	7.40	12.151		
760.0	760.0	758.1	758.1	3.8	3.8	89.78	0.3	89.9	90.0	82.4	7.52	11.958		
800.0	800.0	798.1	798.1	3.9	3.9	89.78	0.3	89.9	90.0	82.3	7.60	11.829		
855.0	855.0	853.1	853.1	4.0	4.0	89.78	0.3	89.9	90.0	82.2	7.71	11.665		
900.0	900.0	898.1	898.1	4.0	4.0	89.78	0.3	89.9	90.0	82.2	7.80	11.531		
950.0	950.0	948.1	948.1	4.1	4.1	89.78	0.3	89.9	90.0	82.1	7.90	11.392		
1,000.0	1,000.0	998.1	998.1	4.1	4.1	89.78	0.3	89.9	90.0	82.0	7.99	11.255		
1,045.0	1,045.0	1,043.1	1,043.1	4.2	4.2	89.78	0.3	89.9	90.0	81.9	8.08	11.138		
1,100.0	1,100.0	1,098.1	1,098.1	4.3	4.2	89.78	0.3	89.9	90.0	81.8	8.18	10.997		
1,140.0	1,140.0	1,138.1	1,138.1	4.3	4.3	89.78	0.3	89.9	90.0	81.7	8.25	10.901		
1,200.0	1,200.0	1,198.1	1,198.1	4.4	4.4	89.78	0.3	89.9	90.0	81.6	8.36	10.757		
1,235.0	1,235.0	1,233.1	1,233.1	4.4	4.4	89.78	0.3	89.9	90.0	81.5	8.42	10.678		
1,300.0	1,300.0	1,298.1	1,298.1	4.5	4.5	89.78	0.3	89.9	90.0	81.4	8.54	10.532		
1,330.0	1,330.0	1,328.1	1,328.1	4.5	4.5	89.78	0.3	89.9	90.0	81.4	8.59	10.468		
1,400.0	1,400.0	1,398.1	1,398.1	4.6	4.6	89.78	0.3	89.9	90.0	81.2	8.72	10.320		
1,425.0	1,425.0	1,423.1	1,423.1	4.6	4.6	89.78	0.3	89.9	90.0	81.2	8.76	10.269		
1,500.0	1,500.0	1,498.1	1,498.1	4.7	4.7	89.78	0.3	89.9	90.0	81.1	8.89	10.120 CC, ES		
1,520.0	1,520.0	1,518.1	1,518.1	4.7	4.7	164.88	0.3	89.9	90.0	81.1	8.94	10.067		
1,600.0	1,600.0	1,598.1	1,598.1	4.8	4.8	165.14	0.3	89.9	91.6	82.5	9.16	10.005 SF		
1,615.0	1,615.0	1,613.1	1,613.1	4.9	4.9	165.23	0.3	89.9	92.2	83.0	9.21	10.007		
1,700.0	1,699.8	1,697.9	1,697.9	5.0	5.0	165.91	0.3	89.9	96.7	87.2	9.52	10.162		
1,710.0	1,709.8	1,707.9	1,707.9	5.0	5.0	166.01	0.3	89.9	97.4	87.8	9.55	10.196		
1,800.0	1,799.5	1,797.6	1,797.6	5.3	5.1	167.03	0.3	89.9	105.2	95.3	9.89	10.637		
1,805.0	1,804.4	1,802.5	1,802.5	5.3	5.1	167.09	0.3	89.9	105.7	95.8	9.91	10.668		
1,900.0	1,898.7	1,896.8	1,896.8	5.6	5.2	168.32	0.3	89.9	117.1	106.8	10.28	11.391		
1,995.0	1,992.5	1,990.6	1,990.6	5.9	5.3	169.57	0.3	89.9	131.6	120.9	10.67	12.335		
2,000.0	1,997.5	1,995.6	1,995.6	5.9	5.3	169.63	0.3	89.9	132.5	121.8	10.69	12.391		
2,090.0	2,085.8	2,083.9	2,083.9	6.2	5.5	170.76	0.3	89.9	149.2	138.1	11.14	13.392		
2,100.0	2,095.6	2,093.7	2,093.7	6.2	5.5	170.87	0.3	89.9	151.3	140.1	11.19	13.512		
2,185.0	2,178.5	2,176.6	2,176.6	6.5	5.6	171.83	0.3	89.9	170.0	158.3	11.63	14.612		
2,200.0	2,193.1	2,191.2	2,191.2	6.6	5.6	171.99	0.3	89.9	173.5	161.8	11.71	14.819		
2,280.0	2,270.7	2,268.8	2,268.8	6.8	5.7	172.79	0.3	89.9	192.7	180.6	12.08	15.959		
2,300.0	2,290.1	2,288.2	2,288.2	6.9	5.7	172.97	0.3	89.9	197.5	185.4	12.17	16.234		
2,375.0	2,362.9	2,361.0	2,361.0	7.2	5.8	173.56	0.3	89.9	215.5	203.0	12.52	17.216		
2,400.0	2,387.1	2,385.2	2,385.2	7.2	5.9	173.73	0.3	89.9	221.6	208.9	12.64	17.532		
2,470.0	2,455.0	2,453.1	2,453.1	7.5	5.9	174.18	0.3	89.9	238.4	225.4	12.98	18.372		
2,500.0	2,484.1	2,482.2	2,482.2	7.6	6.0	174.35	0.3	89.9	245.6	232.5	13.12	18.718		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,565.0	2,547.2	2,545.3	2,545.3	7.8	6.1	174.69	0.3	89.9	261.3	247.8	13.45	19.433	
2,600.0	2,581.2	2,579.3	2,579.3	7.9	6.1	174.85	0.3	89.9	269.7	256.1	13.62	19.804	
2,660.0	2,639.4	2,637.5	2,637.5	8.2	6.2	175.12	0.3	89.9	284.2	270.3	13.92	20.409	
2,700.0	2,678.2	2,676.3	2,676.3	8.3	6.2	175.28	0.3	89.9	293.8	279.7	14.13	20.798	
2,755.0	2,731.6	2,729.7	2,729.7	8.5	6.3	175.48	0.3	89.9	307.1	292.7	14.41	21.308	
2,800.0	2,775.2	2,773.3	2,773.3	8.7	6.3	175.64	0.3	89.9	318.0	303.3	14.65	21.710	
2,850.0	2,823.7	2,821.8	2,821.8	8.9	6.4	175.80	0.3	89.9	330.0	315.1	14.91	22.137	
2,900.0	2,872.3	2,870.4	2,870.4	9.1	6.5	175.94	0.3	89.9	342.1	326.9	15.17	22.549	
2,945.0	2,915.9	2,914.0	2,914.0	9.3	6.5	176.07	0.3	89.9	352.9	337.5	15.41	22.904	
3,000.0	2,969.3	2,967.4	2,967.4	9.5	6.6	176.21	0.3	89.9	366.2	350.5	15.70	23.322	
3,040.0	3,008.1	3,006.2	3,006.2	9.7	6.6	176.31	0.3	89.9	375.9	360.0	15.92	23.613	
3,100.0	3,066.3	3,064.4	3,064.4	9.9	6.7	176.45	0.3	89.9	390.4	374.1	16.24	24.036	
3,135.0	3,100.3	3,098.4	3,098.4	10.1	6.7	176.52	0.3	89.9	398.8	382.4	16.43	24.272	
3,200.0	3,163.4	3,161.5	3,161.5	10.3	6.8	176.65	0.3	89.9	414.5	397.7	16.78	24.697	
3,230.0	3,192.5	3,190.6	3,190.6	10.5	6.8	176.71	0.3	89.9	421.8	404.8	16.95	24.885	
3,300.0	3,260.4	3,258.5	3,258.5	10.8	6.9	176.84	0.3	89.9	438.7	421.3	17.33	25.310	
3,325.0	3,284.6	3,282.7	3,282.7	10.9	7.0	176.88	0.3	89.9	444.7	427.2	17.47	25.456	
3,400.0	3,357.4	3,355.5	3,355.5	11.2	7.0	177.00	0.3	89.9	462.8	444.9	17.88	25.880	
3,420.0	3,376.8	3,374.9	3,374.9	11.3	7.1	177.03	0.3	89.9	467.7	449.7	18.00	25.988	
3,500.0	3,454.4	3,452.5	3,452.5	11.6	7.2	177.15	0.3	89.9	487.0	468.6	18.44	26.411	
3,515.0	3,469.0	3,467.1	3,467.1	11.7	7.2	177.17	0.3	89.9	490.6	472.1	18.52	26.487	
3,600.0	3,551.5	3,549.6	3,549.6	12.1	7.3	177.29	0.3	89.9	511.2	492.2	19.00	26.907	
3,610.0	3,561.2	3,559.3	3,559.3	12.1	7.3	177.30	0.3	89.9	513.6	494.5	19.05	26.954	
3,700.0	3,648.5	3,646.6	3,646.6	12.5	7.4	177.41	0.3	89.9	535.3	515.8	19.56	27.370	
3,705.0	3,653.3	3,651.4	3,651.4	12.5	7.4	177.42	0.3	89.9	536.5	517.0	19.59	27.393	
3,800.0	3,745.5	3,743.6	3,743.6	13.0	7.5	177.52	0.3	89.9	559.5	539.4	20.12	27.805	
3,895.0	3,837.7	3,835.8	3,835.8	13.4	7.6	177.62	0.3	89.9	582.5	561.8	20.66	28.194	
3,900.0	3,842.6	3,840.7	3,840.7	13.4	7.6	177.62	0.3	89.9	583.7	563.0	20.69	28.214	
3,990.0	3,929.9	3,928.0	3,928.0	13.8	7.7	177.71	0.3	89.9	605.4	584.2	21.20	28.561	
4,000.0	3,939.6	3,937.7	3,937.7	13.9	7.7	177.72	0.3	89.9	607.8	586.6	21.25	28.599	
4,085.0	4,022.1	4,020.2	4,020.2	14.3	7.8	177.79	0.3	89.9	628.4	606.7	21.74	28.908	
4,100.0	4,036.6	4,034.7	4,034.7	14.3	7.8	177.81	0.3	89.9	632.0	610.2	21.82	28.961	
4,180.0	4,114.2	4,112.3	4,112.3	14.7	7.9	177.87	0.3	89.9	651.4	629.1	22.28	29.236	
4,200.0	4,133.6	4,131.7	4,131.7	14.8	7.9	177.89	0.3	89.9	656.2	633.8	22.39	29.303	
4,275.0	4,206.4	4,204.5	4,204.5	15.1	8.0	177.94	0.3	89.9	674.3	651.5	22.82	29.548	
4,300.0	4,230.7	4,228.8	4,228.8	15.3	8.0	177.96	0.3	89.9	680.4	657.4	22.96	29.627	
4,370.0	4,298.6	4,296.7	4,296.7	15.6	8.1	178.01	0.3	89.9	697.3	673.9	23.37	29.843	
4,400.0	4,327.7	4,325.8	4,325.8	15.7	8.1	178.03	0.3	89.9	704.6	681.0	23.54	29.934	
4,465.0	4,390.8	4,388.9	4,388.9	16.0	8.2	178.07	0.3	89.9	720.3	696.4	23.91	30.124	
4,500.0	4,424.7	4,422.8	4,422.8	16.2	8.2	178.10	0.3	89.9	728.7	704.6	24.11	30.225	
4,560.0	4,483.0	4,481.1	4,481.1	16.5	8.3	178.13	0.3	89.9	743.2	718.8	24.45	30.392	
4,600.0	4,521.8	4,519.9	4,519.9	16.6	8.3	178.16	0.3	89.9	752.9	728.2	24.68	30.501	
4,655.0	4,575.1	4,573.2	4,573.2	16.9	8.4	178.19	0.3	89.9	766.2	741.2	25.00	30.647	
4,700.0	4,618.8	4,616.9	4,616.9	17.1	8.4	178.22	0.3	89.9	777.1	751.8	25.26	30.764	
4,750.0	4,667.3	4,665.4	4,665.4	17.3	8.5	178.24	0.3	89.9	789.2	763.6	25.55	30.891	
4,800.0	4,715.8	4,713.9	4,713.9	17.6	8.5	178.27	0.3	89.9	801.3	775.4	25.84	31.014	
4,845.0	4,759.5	4,757.6	4,757.6	17.8	8.6	178.29	0.3	89.9	812.2	786.1	26.09	31.123	
4,900.0	4,812.9	4,811.0	4,811.0	18.0	8.6	178.32	0.3	89.9	825.5	799.0	26.41	31.253	
4,940.0	4,851.7	4,849.8	4,849.8	18.2	8.7	178.34	0.3	89.9	835.1	808.5	26.64	31.346	
5,000.0	4,909.9	4,908.0	4,908.0	18.5	8.8	178.37	0.3	89.9	849.6	822.6	26.99	31.481	
5,035.0	4,943.8	4,941.9	4,941.9	18.7	8.8	178.38	0.3	89.9	858.1	830.9	27.19	31.559	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
5,100.0	5,006.9	5,005.0	5,005.0	19.0	8.9	178.41	0.3	89.9	873.8	846.3	27.57	31.699	
5,130.0	5,036.0	5,034.1	5,034.1	19.1	8.9	178.43	0.3	89.9	881.1	853.3	27.74	31.763	
5,200.0	5,103.9	5,102.0	5,102.0	19.5	9.0	178.46	0.3	89.9	898.0	869.9	28.14	31.908	
5,225.0	5,128.2	5,126.3	5,126.3	19.6	9.0	178.47	0.3	89.9	904.1	875.8	28.29	31.958	
5,300.0	5,201.0	5,199.1	5,199.1	19.9	9.1	178.50	0.3	89.9	922.2	893.5	28.72	32.107	
5,320.0	5,220.4	5,218.5	5,218.5	20.0	9.1	178.50	0.3	89.9	927.0	898.2	28.84	32.146	
5,400.0	5,298.0	5,296.1	5,296.1	20.4	9.2	178.53	0.3	89.9	946.4	917.1	29.30	32.299	
5,415.0	5,312.6	5,310.7	5,310.7	20.5	9.2	178.54	0.3	89.9	950.0	920.6	29.39	32.327	
5,500.0	5,395.0	5,393.1	5,393.1	20.9	9.3	178.57	0.3	89.9	970.6	940.7	29.88	32.482	
5,510.0	5,404.7	5,402.8	5,402.8	20.9	9.3	178.57	0.3	89.9	973.0	943.0	29.94	32.500	
5,600.0	5,492.1	5,490.2	5,490.2	21.4	9.4	178.61	0.3	89.9	994.7	964.3	30.46	32.659	
5,605.0	5,496.9	5,495.0	5,495.0	21.4	9.4	178.61	0.3	89.9	996.0	965.5	30.49	32.667	
5,700.0	5,589.1	5,587.2	5,587.2	21.8	9.5	178.64	0.3	89.9	1,018.9	987.9	31.04	32.828	
5,795.0	5,681.3	5,679.4	5,679.4	22.3	9.6	178.67	0.3	89.9	1,041.9	1,010.3	31.59	32.983	
5,800.0	5,686.1	5,684.2	5,684.2	22.3	9.6	178.67	0.3	89.9	1,043.1	1,011.5	31.62	32.991	
5,890.0	5,773.4	5,771.5	5,771.5	22.8	9.6	178.70	0.3	89.9	1,064.9	1,032.7	32.14	33.133	
5,900.0	5,783.1	5,781.2	5,781.2	22.8	9.7	178.70	0.3	89.9	1,067.3	1,035.1	32.20	33.149	
5,985.0	5,865.6	5,863.7	5,863.7	23.2	9.7	178.73	0.3	89.9	1,087.9	1,055.2	32.69	33.277	
6,000.0	5,880.2	5,878.3	5,878.3	23.3	9.8	178.73	0.3	89.9	1,091.5	1,058.7	32.78	33.300	
6,080.0	5,957.8	5,955.9	5,955.9	23.7	9.8	178.75	0.3	89.9	1,110.8	1,077.6	33.24	33.417	
6,100.0	5,977.2	5,975.3	5,975.3	23.8	9.9	178.76	0.3	89.9	1,115.7	1,082.3	33.36	33.446	
6,175.0	6,050.0	6,048.1	6,048.1	24.1	9.9	178.78	0.3	89.9	1,133.8	1,100.0	33.79	33.552	
6,200.0	6,074.2	6,072.3	6,072.3	24.2	9.9	178.78	0.3	89.9	1,139.9	1,105.9	33.94	33.587	
6,270.0	6,142.2	6,140.3	6,140.3	24.6	10.0	178.80	0.3	89.9	1,156.8	1,122.5	34.34	33.682	
6,300.0	6,171.3	6,169.4	6,169.4	24.7	10.0	178.81	0.3	89.9	1,164.1	1,129.5	34.52	33.723	
6,365.0	6,234.3	6,232.4	6,232.4	25.0	10.1	178.82	0.3	89.9	1,179.8	1,144.9	34.90	33.808	
6,400.0	6,268.3	6,266.4	6,266.4	25.2	10.1	178.83	0.3	89.9	1,188.2	1,153.1	35.10	33.854	
6,460.0	6,326.5	6,324.6	6,324.6	25.5	10.2	178.85	0.3	89.9	1,202.8	1,167.3	35.45	33.931	
6,500.0	6,365.3	6,363.4	6,363.4	25.7	10.2	178.86	0.3	89.9	1,212.4	1,176.7	35.68	33.981	
6,555.0	6,418.7	6,416.8	6,416.8	25.9	10.3	178.87	0.3	89.9	1,225.7	1,189.7	36.00	34.049	
6,600.0	6,462.4	6,460.5	6,460.5	26.2	10.3	178.88	0.3	89.9	1,236.6	1,200.4	36.26	34.104	
6,650.0	6,510.9	6,509.0	6,509.0	26.4	10.4	178.89	0.3	89.9	1,248.7	1,212.2	36.55	34.164	
6,700.0	6,559.4	6,557.5	6,557.5	26.6	10.4	178.90	0.3	89.9	1,260.8	1,224.0	36.84	34.223	
6,745.0	6,603.0	6,601.1	6,601.1	26.9	10.5	178.91	0.3	89.9	1,271.7	1,234.6	37.10	34.275	
6,800.0	6,656.4	6,654.5	6,654.5	27.1	10.5	178.92	0.3	89.9	1,285.0	1,247.6	37.42	34.338	
6,840.0	6,695.2	6,693.3	6,693.3	27.3	10.6	178.93	0.3	89.9	1,294.7	1,257.0	37.65	34.383	
6,900.0	6,753.4	6,751.5	6,751.5	27.6	10.6	178.94	0.3	89.9	1,309.2	1,271.2	38.00	34.449	
6,935.0	6,787.4	6,785.5	6,785.5	27.8	10.7	178.95	0.3	89.9	1,317.6	1,279.4	38.21	34.487	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)		Ellipses (usft)			
0.0	0.0	0.0	0.0	3.0	3.0	89.79	0.2	59.9	60.0				
95.0	95.0	93.7	93.7	3.0	3.0	89.79	0.2	59.9	60.0	53.9	6.05	9.910	
100.0	100.0	98.7	98.7	3.0	3.0	89.79	0.2	59.9	60.0	53.9	6.06	9.900	
190.0	190.0	188.7	188.7	3.1	3.1	89.79	0.2	59.9	60.0	53.7	6.27	9.567	
200.0	200.0	198.7	198.7	3.2	3.2	89.79	0.2	59.9	60.0	53.7	6.30	9.517	
285.0	285.0	283.7	283.7	3.3	3.3	89.79	0.2	59.9	60.0	53.5	6.50	9.229	
300.0	300.0	298.7	298.7	3.3	3.3	89.79	0.2	59.9	60.0	53.4	6.54	9.174	
380.0	380.0	378.7	378.7	3.4	3.4	89.79	0.2	59.9	60.0	53.2	6.71	8.929	
400.0	400.0	398.7	398.7	3.4	3.4	89.79	0.2	59.9	60.0	53.2	6.76	8.865	
475.0	475.0	473.7	473.7	3.5	3.5	89.79	0.2	59.9	60.0	53.0	6.93	8.656	
500.0	500.0	498.7	498.7	3.5	3.5	89.79	0.2	59.9	60.0	53.0	6.98	8.586	
570.0	570.0	568.7	568.7	3.6	3.6	89.79	0.2	59.9	60.0	52.8	7.13	8.408	
600.0	600.0	598.7	598.7	3.6	3.6	89.79	0.2	59.9	60.0	52.8	7.20	8.331	
665.0	665.0	663.7	663.7	3.7	3.7	89.79	0.2	59.9	60.0	52.6	7.33	8.179	
700.0	700.0	698.7	698.7	3.8	3.8	89.79	0.2	59.9	60.0	52.5	7.40	8.098	
760.0	760.0	758.7	758.7	3.8	3.8	89.79	0.2	59.9	60.0	52.4	7.52	7.969	
800.0	800.0	798.7	798.7	3.9	3.9	89.79	0.2	59.9	60.0	52.3	7.60	7.883	
855.0	855.0	853.7	853.7	4.0	4.0	89.79	0.2	59.9	60.0	52.2	7.71	7.774	
900.0	900.0	898.7	898.7	4.0	4.0	89.79	0.2	59.9	60.0	52.1	7.80	7.685	
950.0	950.0	948.7	948.7	4.1	4.1	89.79	0.2	59.9	60.0	52.1	7.90	7.592	
1,000.0	1,000.0	998.7	998.7	4.1	4.1	89.79	0.2	59.9	60.0	52.0	7.99	7.501	
1,045.0	1,045.0	1,043.7	1,043.7	4.2	4.2	89.79	0.2	59.9	60.0	51.9	8.08	7.423	
1,100.0	1,100.0	1,098.7	1,098.7	4.3	4.3	89.79	0.2	59.9	60.0	51.8	8.18	7.329	
1,140.0	1,140.0	1,138.7	1,138.7	4.3	4.3	89.79	0.2	59.9	60.0	51.7	8.25	7.265	
1,200.0	1,200.0	1,198.7	1,198.7	4.4	4.4	89.79	0.2	59.9	60.0	51.6	8.36	7.169	
1,235.0	1,235.0	1,233.7	1,233.7	4.4	4.4	89.79	0.2	59.9	60.0	51.5	8.42	7.116	
1,300.0	1,300.0	1,298.7	1,298.7	4.5	4.5	89.79	0.2	59.9	60.0	51.4	8.54	7.019	
1,330.0	1,330.0	1,328.7	1,328.7	4.5	4.5	89.79	0.2	59.9	60.0	51.4	8.59	6.976	
1,400.0	1,400.0	1,398.7	1,398.7	4.6	4.6	89.79	0.2	59.9	60.0	51.2	8.72	6.878	
1,425.0	1,425.0	1,423.7	1,423.7	4.6	4.6	89.79	0.2	59.9	60.0	51.2	8.76	6.844	
1,500.0	1,500.0	1,498.7	1,498.7	4.7	4.7	89.79	0.2	59.9	60.0	51.1	8.89	6.745	
1,520.0	1,520.0	1,519.1	1,519.1	4.7	4.7	164.89	0.2	59.9	60.0	51.0	8.96	6.689	
1,600.0	1,600.0	1,600.8	1,600.8	4.8	4.8	165.22	0.3	58.2	59.9	50.6	9.27	6.464	
1,615.0	1,615.0	1,616.1	1,616.1	4.9	4.8	165.33	0.4	57.6	59.9	50.5	9.35	6.405	
1,700.0	1,699.8	1,702.9	1,702.8	5.0	5.0	166.25	0.6	52.8	59.7	49.9	9.82	6.080	
1,710.0	1,709.8	1,713.1	1,712.9	5.0	5.0	166.39	0.7	52.0	59.7	49.8	9.87	6.042	
1,800.0	1,799.5	1,805.0	1,804.5	5.3	5.2	167.97	1.2	43.8	59.3	48.9	10.39	5.710	
1,805.0	1,804.4	1,810.1	1,809.5	5.3	5.2	168.07	1.2	43.2	59.3	48.9	10.42	5.692	
1,900.0	1,898.7	1,907.0	1,905.6	5.6	5.5	170.40	1.9	31.1	58.9	47.9	10.99	5.358	
1,905.3	1,903.9	1,912.2	1,910.8	5.6	5.6	170.54	1.9	30.4	58.9	47.9	11.03	5.342 CC, ES	
1,995.0	1,992.5	2,001.9	1,999.6	5.9	5.8	173.18	2.6	18.0	60.3	48.8	11.55	5.223	
2,000.0	1,997.5	2,006.9	2,004.6	5.9	5.8	173.33	2.7	17.3	60.5	48.9	11.59	5.223	
2,090.0	2,085.8	2,096.7	2,093.5	6.2	6.0	176.02	3.4	4.8	65.1	52.9	12.15	5.354	
2,100.0	2,095.6	2,106.7	2,103.4	6.2	6.1	176.31	3.5	3.4	65.8	53.5	12.22	5.382	
2,185.0	2,178.5	2,191.3	2,187.2	6.5	6.3	178.54	4.1	-8.4	73.1	60.3	12.78	5.717	
2,200.0	2,193.1	2,206.3	2,202.0	6.6	6.3	178.89	4.3	-10.4	74.6	61.8	12.88	5.794	
2,280.0	2,270.7	2,285.8	2,280.7	6.8	6.6	-179.45	4.9	-21.5	83.2	69.8	13.37	6.222	
2,300.0	2,290.1	2,305.6	2,300.4	6.9	6.6	-179.09	5.1	-24.2	85.4	71.9	13.50	6.324	
2,375.0	2,362.9	2,380.2	2,374.2	7.2	6.9	-177.88	5.7	-34.6	93.5	79.5	13.98	6.686	
2,400.0	2,387.1	2,405.0	2,398.8	7.2	6.9	-177.52	5.8	-38.1	96.2	82.0	14.14	6.801	
2,470.0	2,455.0	2,474.6	2,467.7	7.5	7.2	-176.62	6.4	-47.7	103.8	89.2	14.61	7.104	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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				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	
2,500.0	2,484.1	2,504.4	2,497.2	7.6	7.3	-176.27	6.6	-51.9	107.0	92.2	14.81	7.228		
2,565.0	2,547.2	2,569.0	2,561.2	7.8	7.5	-175.58	7.2	-60.8	114.1	98.9	15.26	7.480		
2,600.0	2,581.2	2,603.8	2,595.6	7.9	7.6	-175.25	7.4	-65.7	118.0	102.5	15.50	7.610		
2,660.0	2,639.4	2,663.4	2,654.7	8.2	7.8	-174.72	7.9	-74.0	124.5	108.6	15.93	7.819		
2,700.0	2,678.2	2,703.2	2,694.1	8.3	7.9	-174.40	8.2	-79.5	128.9	112.7	16.21	7.952		
2,755.0	2,731.6	2,757.8	2,748.2	8.5	8.1	-173.99	8.7	-87.1	134.9	118.3	16.61	8.124		
2,800.0	2,775.2	2,802.5	2,792.5	8.7	8.3	-173.69	9.0	-93.3	139.9	122.9	16.94	8.258		
2,850.0	2,823.7	2,852.2	2,841.7	8.9	8.5	-173.37	9.4	-100.2	145.3	128.0	17.31	8.399		
2,900.0	2,872.3	2,901.9	2,890.9	9.1	8.7	-173.08	9.8	-107.1	150.8	133.2	17.68	8.534		
2,945.0	2,915.9	2,946.7	2,935.2	9.3	8.8	-172.83	10.2	-113.3	155.8	137.8	18.01	8.648		
3,000.0	2,969.3	3,001.3	2,989.3	9.5	9.0	-172.55	10.6	-120.9	161.8	143.4	18.43	8.781		
3,040.0	3,008.1	3,041.1	3,028.7	9.7	9.2	-172.36	10.9	-126.4	166.2	147.5	18.74	8.873		
3,100.0	3,066.3	3,100.7	3,087.7	9.9	9.4	-172.09	11.4	-134.7	172.8	153.7	19.19	9.005		
3,135.0	3,100.3	3,135.5	3,122.2	10.1	9.5	-171.94	11.7	-139.5	176.7	157.2	19.47	9.078		
3,200.0	3,163.4	3,200.1	3,186.1	10.3	9.8	-171.68	12.2	-148.5	183.9	163.9	19.97	9.207		
3,230.0	3,192.5	3,229.9	3,215.7	10.5	9.9	-171.57	12.4	-152.7	187.2	167.0	20.20	9.264		
3,300.0	3,260.4	3,299.5	3,284.5	10.8	10.1	-171.33	13.0	-162.3	194.9	174.1	20.75	9.391		
3,325.0	3,284.6	3,324.3	3,309.2	10.9	10.2	-171.24	13.2	-165.8	197.7	176.7	20.95	9.434		
3,400.0	3,357.4	3,398.8	3,383.0	11.2	10.5	-171.00	13.8	-176.1	205.9	184.4	21.55	9.558		
3,420.0	3,376.8	3,418.7	3,402.6	11.3	10.6	-170.94	13.9	-178.9	208.1	186.4	21.70	9.589		
3,500.0	3,454.4	3,498.2	3,481.4	11.6	10.9	-170.72	14.6	-190.0	217.0	194.6	22.34	9.710		
3,515.0	3,469.0	3,513.1	3,496.1	11.7	11.0	-170.68	14.7	-192.0	218.6	196.2	22.46	9.732		
3,600.0	3,551.5	3,597.6	3,579.8	12.1	11.3	-170.46	15.4	-203.8	228.0	204.9	23.15	9.850		
3,610.0	3,561.2	3,607.6	3,589.6	12.1	11.3	-170.43	15.4	-205.1	229.1	205.9	23.23	9.863		
3,700.0	3,648.5	3,697.0	3,678.2	12.5	11.7	-170.22	16.2	-217.6	239.1	215.1	23.96	9.977		
3,705.0	3,653.3	3,702.0	3,683.1	12.5	11.7	-170.21	16.2	-218.3	239.6	215.6	24.00	9.983		
3,800.0	3,745.5	3,796.4	3,776.6	13.0	12.1	-170.00	17.0	-231.4	250.1	225.3	24.78	10.095		
3,895.0	3,837.7	3,890.8	3,870.1	13.4	12.5	-169.82	17.7	-244.5	260.6	235.1	25.56	10.198		
3,900.0	3,842.6	3,895.8	3,875.0	13.4	12.5	-169.81	17.7	-245.2	261.2	235.6	25.60	10.203		
3,990.0	3,929.9	3,985.2	3,963.6	13.8	12.9	-169.64	18.5	-257.6	271.1	244.8	26.34	10.293		
4,000.0	3,939.6	3,995.1	3,973.5	13.9	12.9	-169.63	18.5	-259.0	272.2	245.8	26.42	10.303		
4,085.0	4,022.1	4,079.6	4,057.1	14.3	13.2	-169.48	19.2	-270.7	281.6	254.5	27.13	10.382		
4,100.0	4,036.6	4,094.5	4,071.9	14.3	13.3	-169.46	19.3	-272.8	283.3	256.0	27.25	10.395		
4,180.0	4,114.2	4,174.0	4,150.6	14.7	13.6	-169.33	20.0	-283.9	292.1	264.2	27.92	10.464		
4,200.0	4,133.6	4,193.9	4,170.3	14.8	13.7	-169.30	20.1	-286.6	294.3	266.3	28.08	10.481		
4,275.0	4,206.4	4,268.5	4,244.1	15.1	14.0	-169.20	20.7	-297.0	302.6	273.9	28.71	10.541		
4,300.0	4,230.7	4,293.3	4,268.7	15.3	14.1	-169.16	20.9	-300.4	305.4	276.5	28.92	10.561		
4,370.0	4,298.6	4,362.9	4,337.6	15.6	14.4	-169.07	21.5	-310.1	313.2	283.7	29.51	10.613		
4,400.0	4,327.7	4,392.7	4,367.1	15.7	14.5	-169.03	21.7	-314.2	316.5	286.7	29.76	10.635		
4,465.0	4,390.8	4,457.3	4,431.1	16.0	14.8	-168.95	22.2	-323.2	323.7	293.4	30.30	10.681		
4,500.0	4,424.7	4,492.1	4,465.5	16.2	14.9	-168.90	22.5	-328.0	327.5	296.9	30.60	10.704		
4,560.0	4,483.0	4,551.7	4,524.6	16.5	15.2	-168.83	23.0	-336.3	334.2	303.1	31.11	10.744		
4,600.0	4,521.8	4,591.4	4,564.0	16.6	15.3	-168.79	23.3	-341.9	338.6	307.2	31.44	10.769		
4,655.0	4,575.1	4,646.1	4,618.1	16.9	15.6	-168.73	23.7	-349.4	344.7	312.8	31.91	10.803		
4,700.0	4,618.8	4,690.8	4,662.4	17.1	15.7	-168.68	24.1	-355.7	349.7	317.4	32.29	10.830		
4,750.0	4,667.3	4,740.5	4,711.6	17.3	15.9	-168.63	24.5	-362.6	355.2	322.5	32.71	10.860		
4,800.0	4,715.8	4,790.0	4,760.6	17.6	16.1	-168.58	24.9	-369.4	360.8	327.6	33.13	10.889		
4,845.0	4,759.5	4,832.4	4,802.6	17.8	16.3	-168.54	25.2	-375.2	365.9	332.4	33.49	10.926		
4,900.0	4,812.9	4,884.0	4,853.7	18.0	16.5	-168.53	25.6	-381.7	372.6	338.7	33.93	10.980		
4,940.0	4,851.7	4,921.4	4,890.9	18.2	16.7	-168.54	25.8	-386.2	377.7	343.5	34.26	11.027		
5,000.0	4,909.9	4,977.4	4,946.5	18.5	16.9	-168.58	26.2	-392.4	385.9	351.2	34.73	11.110		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	4,943.8	5,010.0	4,979.0	18.7	17.0	-168.62	26.4	-395.8	390.9	355.9	35.01	11.165	
5,100.0	5,006.9	5,070.4	5,039.1	19.0	17.3	-168.71	26.7	-401.6	400.7	365.2	35.52	11.280	
5,130.0	5,036.0	5,100.0	5,068.6	19.1	17.4	-168.77	26.9	-404.2	405.4	369.7	35.78	11.332	
5,200.0	5,103.9	5,163.0	5,131.3	19.5	17.6	-168.91	27.2	-409.2	417.0	380.7	36.30	11.487	
5,225.0	5,128.2	5,186.0	5,154.3	19.6	17.7	-168.97	27.3	-410.9	421.3	384.8	36.49	11.544	
5,300.0	5,201.0	5,255.0	5,223.2	19.9	17.9	-169.17	27.5	-415.3	434.7	397.7	37.06	11.730	
5,320.0	5,220.4	5,273.4	5,241.5	20.0	18.0	-169.23	27.6	-416.4	438.5	401.3	37.21	11.783	
5,400.0	5,298.0	5,346.5	5,314.6	20.4	18.2	-169.48	27.8	-419.9	454.0	416.2	37.80	12.010	
5,415.0	5,312.6	5,360.2	5,328.3	20.5	18.3	-169.53	27.8	-420.5	457.0	419.1	37.91	12.055	
5,500.0	5,395.0	5,437.5	5,405.5	20.9	18.5	-169.83	28.0	-423.1	474.7	436.2	38.51	12.325	
5,510.0	5,404.7	5,446.5	5,414.5	20.9	18.5	-169.87	28.0	-423.3	476.8	438.2	38.58	12.359	
5,600.0	5,492.1	5,527.8	5,495.8	21.4	18.7	-170.22	28.1	-424.8	496.8	457.6	39.16	12.686	
5,605.0	5,496.9	5,532.3	5,500.3	21.4	18.7	-170.24	28.1	-424.8	498.0	458.8	39.19	12.706	
5,700.0	5,589.1	5,619.8	5,587.8	21.8	18.8	-170.63	28.1	-425.1	520.3	480.6	39.72	13.100	
5,795.0	5,681.3	5,712.0	5,680.0	22.3	18.9	-171.03	28.1	-425.1	543.1	502.8	40.26	13.490	
5,800.0	5,686.1	5,716.8	5,684.8	22.3	18.9	-171.05	28.1	-425.1	544.2	504.0	40.28	13.511	
5,890.0	5,773.4	5,804.2	5,772.1	22.8	18.9	-171.39	28.1	-425.1	565.8	525.0	40.78	13.872	
5,900.0	5,783.1	5,813.9	5,781.8	22.8	18.9	-171.43	28.1	-425.1	568.2	527.3	40.84	13.912	
5,985.0	5,865.6	5,896.3	5,864.3	23.2	19.0	-171.72	28.1	-425.1	588.5	547.2	41.31	14.246	
6,000.0	5,880.2	5,910.9	5,878.9	23.3	19.0	-171.78	28.1	-425.1	592.1	550.7	41.39	14.305	
6,080.0	5,957.8	5,988.5	5,956.5	23.7	19.0	-172.03	28.1	-425.1	611.3	569.5	41.84	14.612	
6,100.0	5,977.2	6,007.9	5,975.9	23.8	19.0	-172.10	28.1	-425.1	616.1	574.1	41.95	14.688	
6,175.0	6,050.0	6,080.7	6,048.7	24.1	19.0	-172.32	28.1	-425.1	634.1	591.7	42.36	14.970	
6,200.0	6,074.2	6,105.0	6,072.9	24.2	19.0	-172.39	28.1	-425.1	640.1	597.6	42.49	15.062	
6,270.0	6,142.2	6,172.9	6,140.9	24.6	19.1	-172.59	28.1	-425.1	656.9	614.0	42.88	15.319	
6,300.0	6,171.3	6,202.0	6,170.0	24.7	19.1	-172.67	28.1	-425.1	664.1	621.0	43.04	15.428	
6,365.0	6,234.3	6,265.1	6,233.0	25.0	19.1	-172.84	28.1	-425.1	679.7	636.3	43.40	15.662	
6,400.0	6,268.3	6,299.0	6,267.0	25.2	19.1	-172.93	28.1	-425.1	688.1	644.5	43.59	15.786	
6,460.0	6,326.5	6,357.2	6,325.2	25.5	19.1	-173.07	28.1	-425.1	702.5	658.6	43.92	15.996	
6,500.0	6,365.3	6,396.0	6,364.0	25.7	19.2	-173.17	28.1	-425.1	712.1	668.0	44.13	16.135	
6,555.0	6,418.7	6,449.4	6,417.4	25.9	19.2	-173.29	28.1	-425.1	725.3	680.9	44.43	16.324	
6,600.0	6,462.4	6,493.1	6,461.1	26.2	19.2	-173.39	28.1	-425.1	736.1	691.5	44.68	16.477	
6,650.0	6,510.9	6,541.6	6,509.6	26.4	19.2	-173.50	28.1	-425.1	748.2	703.2	44.95	16.645	
6,700.0	6,559.4	6,590.1	6,558.1	26.6	19.2	-173.60	28.1	-425.1	760.2	715.0	45.22	16.811	
6,745.0	6,603.0	6,633.8	6,601.7	26.9	19.3	-173.69	28.1	-425.1	771.0	725.5	45.46	16.959	
6,800.0	6,656.4	6,687.1	6,655.1	27.1	19.3	-173.80	28.1	-425.1	784.2	738.5	45.76	17.137	
6,840.0	6,695.2	6,725.9	6,693.9	27.3	19.3	-173.87	28.1	-425.1	793.9	747.9	45.98	17.266	
6,900.0	6,753.4	6,784.2	6,752.1	27.6	19.3	-173.98	28.1	-425.1	808.3	762.0	46.30	17.456	
6,935.0	6,787.4	6,818.1	6,786.1	27.8	19.3	-174.05	28.1	-425.1	816.7	770.2	46.49	17.567	
7,000.0	6,850.5	6,881.2	6,849.2	28.1	19.4	-174.16	28.1	-425.1	832.4	785.5	46.85	17.769	
7,030.0	6,879.6	6,910.3	6,878.3	28.2	19.4	-174.21	28.1	-425.1	839.6	792.6	47.01	17.861	
7,100.0	6,947.5	6,978.2	6,946.2	28.6	19.4	-174.32	28.1	-425.1	856.5	809.1	47.39	18.074	
7,125.0	6,971.8	7,002.5	6,970.5	28.7	19.4	-174.36	28.1	-425.1	862.5	815.0	47.52	18.149	
7,200.0	7,044.5	7,075.3	7,043.2	29.1	19.4	-174.48	28.1	-425.1	880.5	832.6	47.93	18.373	
7,220.0	7,063.9	7,094.7	7,062.6	29.2	19.5	-174.51	28.1	-425.1	885.4	837.3	48.03	18.432	
7,300.0	7,141.6	7,172.3	7,140.3	29.5	19.5	-174.63	28.1	-425.1	904.6	856.2	48.47	18.665	
7,315.0	7,156.1	7,186.8	7,154.8	29.6	19.5	-174.65	28.1	-425.1	908.2	859.7	48.55	18.708	
7,400.0	7,238.6	7,269.3	7,237.3	30.0	19.5	-174.77	28.1	-425.1	928.7	879.7	49.01	18.951	
7,410.0	7,248.3	7,279.0	7,247.0	30.1	19.5	-174.78	28.1	-425.1	931.1	882.1	49.06	18.979	
7,505.0	7,340.5	7,371.2	7,339.2	30.5	19.6	-174.90	28.1	-425.1	954.0	904.5	49.58	19.244	
7,508.6	7,343.9	7,374.7	7,342.6	30.6	19.6	-174.91	28.1	-425.1	954.9	905.3	49.60	19.254	

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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)			Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor		
7,600.0	7,433.0	7,463.7	7,431.7	31.0	19.6	-175.05	28.1	-425.1	975.5	925.4	50.09	19.475		
7,695.0	7,526.2	7,556.9	7,524.9	31.5	19.7	-175.18	28.1	-425.1	993.9	943.3	50.59	19.646		
7,700.0	7,531.1	7,561.8	7,529.8	31.5	19.7	-175.18	28.1	-425.1	994.8	944.2	50.62	19.653		
7,790.0	7,619.9	7,650.6	7,618.6	31.9	19.7	-175.28	28.1	-425.1	1,009.3	958.2	51.08	19.759		
7,800.0	7,629.8	7,660.5	7,628.5	31.9	19.7	-175.29	28.1	-425.1	1,010.7	959.6	51.13	19.768		
7,885.0	7,714.1	7,744.8	7,712.8	32.3	19.7	-175.35	28.1	-425.1	1,021.5	970.0	51.54	19.819		
7,900.0	7,729.0	7,759.7	7,727.7	32.4	19.7	-175.36	28.1	-425.1	1,023.1	971.5	51.61	19.823		
7,980.0	7,808.7	7,839.4	7,807.4	32.7	19.8	-175.41	28.1	-425.1	1,030.6	978.6	51.97	19.829		
8,000.0	7,828.6	7,859.3	7,827.3	32.8	19.8	-175.42	28.1	-425.1	1,032.1	980.1	52.07	19.824		
8,075.0	7,903.5	7,934.2	7,902.2	33.1	19.8	-175.44	28.1	-425.1	1,036.6	984.2	52.37	19.793		
8,100.0	7,928.4	7,959.2	7,927.1	33.1	19.8	-175.45	28.1	-425.1	1,037.6	985.2	52.47	19.775		
8,170.0	7,998.4	8,029.1	7,997.1	33.3	19.9	-175.46	28.1	-425.1	1,039.4	986.8	52.63	19.750		
8,208.6	8,037.0	8,067.7	8,035.7	33.3	19.9	109.45	28.1	-425.1	1,039.7	987.0	52.72	19.723		
8,265.0	8,093.4	8,124.1	8,092.1	33.3	19.9	109.45	28.1	-425.1	1,039.7	986.9	52.76	19.708		
8,300.0	8,128.4	8,159.1	8,127.1	33.4	19.9	109.45	28.1	-425.1	1,039.7	986.9	52.78	19.699		
8,360.0	8,188.4	8,219.1	8,187.1	33.4	20.0	109.45	28.1	-425.1	1,039.7	986.9	52.82	19.682		
8,400.0	8,228.4	8,259.1	8,227.1	33.4	20.0	109.45	28.1	-425.1	1,039.7	986.8	52.85	19.671		
8,455.0	8,283.4	8,314.1	8,282.1	33.4	20.0	109.45	28.1	-425.1	1,039.7	986.8	52.89	19.656		
8,500.0	8,328.4	8,359.1	8,327.1	33.4	20.0	109.45	28.1	-425.1	1,039.7	986.8	52.93	19.644		
8,550.0	8,378.4	8,409.1	8,377.1	33.4	20.0	109.45	28.1	-425.1	1,039.7	986.7	52.96	19.630		
8,600.0	8,428.4	8,459.1	8,427.1	33.4	20.1	109.45	28.1	-425.1	1,039.7	986.7	53.00	19.617		
8,645.0	8,473.4	8,504.1	8,472.1	33.4	20.1	109.45	28.1	-425.1	1,039.7	986.7	53.03	19.604		
8,700.0	8,528.4	8,559.1	8,527.1	33.5	20.1	109.45	28.1	-425.1	1,039.7	986.6	53.07	19.589		
8,740.0	8,568.4	8,599.1	8,567.1	33.5	20.1	109.45	28.1	-425.1	1,039.7	986.6	53.10	19.578		
8,800.0	8,628.4	8,659.1	8,627.1	33.5	20.2	109.45	28.1	-425.1	1,039.7	986.5	53.15	19.562		
8,835.0	8,663.4	8,694.1	8,662.1	33.5	20.2	109.45	28.1	-425.1	1,039.7	986.5	53.18	19.552		
8,900.0	8,728.4	8,759.1	8,727.1	33.5	20.2	109.45	28.1	-425.1	1,039.7	986.5	53.22	19.534		
8,930.0	8,758.4	8,789.1	8,757.1	33.5	20.2	109.45	28.1	-425.1	1,039.7	986.4	53.25	19.526		
9,000.0	8,828.4	8,859.1	8,827.1	33.5	20.3	109.45	28.1	-425.1	1,039.7	986.4	53.30	19.506		
9,025.0	8,853.4	8,884.1	8,852.1	33.5	20.3	109.45	28.1	-425.1	1,039.7	986.4	53.32	19.500		
9,100.0	8,928.4	8,959.1	8,927.1	33.6	20.3	109.45	28.1	-425.1	1,039.7	986.3	53.38	19.479		
9,120.0	8,948.4	8,979.1	8,947.1	33.6	20.3	109.45	28.1	-425.1	1,039.7	986.3	53.39	19.473		
9,200.0	9,028.4	9,059.1	9,027.1	33.6	20.4	109.45	28.1	-425.1	1,039.7	986.2	53.45	19.451		
9,215.0	9,043.4	9,074.1	9,042.1	33.6	20.4	109.45	28.1	-425.1	1,039.7	986.2	53.46	19.447		
9,300.0	9,128.4	9,159.1	9,127.1	33.6	20.4	109.45	28.1	-425.1	1,039.7	986.2	53.53	19.423		
9,310.0	9,138.4	9,169.1	9,137.1	33.6	20.4	109.45	28.1	-425.1	1,039.7	986.2	53.54	19.420		
9,400.0	9,228.4	9,259.1	9,227.1	33.6	20.5	109.45	28.1	-425.1	1,039.7	986.1	53.61	19.395		
9,405.0	9,233.4	9,264.1	9,232.1	33.6	20.5	109.45	28.1	-425.1	1,039.7	986.1	53.61	19.394		
9,500.0	9,328.4	9,359.1	9,327.1	33.7	20.5	109.45	28.1	-425.1	1,039.7	986.0	53.68	19.367		
9,595.0	9,423.4	9,454.1	9,422.1	33.7	20.5	109.45	28.1	-425.1	1,039.7	985.9	53.76	19.341		
9,600.0	9,428.4	9,459.1	9,427.1	33.7	20.5	109.45	28.1	-425.1	1,039.7	985.9	53.76	19.339		
9,690.0	9,518.4	9,549.1	9,517.1	33.7	20.6	109.45	28.1	-425.1	1,039.7	985.9	53.83	19.314		
9,700.0	9,528.4	9,559.1	9,527.1	33.7	20.6	109.45	28.1	-425.1	1,039.7	985.9	53.84	19.311		
9,785.0	9,613.4	9,644.1	9,612.1	33.8	20.6	109.45	28.1	-425.1	1,039.7	985.8	53.91	19.287		
9,800.0	9,628.4	9,659.1	9,627.1	33.8	20.6	109.45	28.1	-425.1	1,039.7	985.8	53.92	19.283		
9,880.0	9,708.4	9,739.1	9,707.1	33.8	20.7	109.45	28.1	-425.1	1,039.7	985.7	53.98	19.260		
9,900.0	9,728.4	9,759.1	9,727.1	33.8	20.7	109.45	28.1	-425.1	1,039.7	985.7	54.00	19.255		
9,934.6	9,763.0	9,793.8	9,761.7	33.8	20.7	109.45	28.1	-425.1	1,039.7	985.7	54.02	19.247		
9,950.0	9,778.4	9,809.1	9,777.1	33.8	20.7	109.56	28.1	-425.1	1,039.8	985.7	54.02	19.247		
9,975.0	9,803.4	9,868.4	9,836.3	33.8	20.7	109.57	30.8	-425.1	1,039.8	985.5	54.29	19.152		
10,000.0	9,828.3	9,931.9	9,899.0	33.8	20.7	109.41	40.6	-425.1	1,039.3	984.7	54.59	19.040		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1														Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS														Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance						
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		
10,050.0	9,877.6	10,055.0	10,015.7	33.8	20.8	108.64	78.8	-425.2	1,036.7	981.6	55.08	18.823			
10,070.0	9,897.2	10,102.0	10,057.7	33.8	20.8	108.19	99.9	-425.2	1,035.1	979.9	55.23	18.742			
10,100.0	9,926.1	10,169.4	10,114.7	33.8	20.8	107.40	135.9	-425.3	1,032.2	976.8	55.41	18.629			
10,150.0	9,973.4	10,272.9	10,192.8	33.8	20.8	105.88	203.6	-425.4	1,026.5	970.9	55.59	18.466			
10,165.0	9,987.3	10,301.7	10,212.2	33.8	20.8	105.40	224.9	-425.5	1,024.6	969.0	55.62	18.423			
10,200.0	10,019.0	10,365.1	10,251.1	33.8	20.9	104.25	274.9	-425.6	1,020.0	964.4	55.64	18.332			
10,250.0	10,062.7	10,447.0	10,292.8	33.8	20.9	102.62	345.4	-425.7	1,013.3	957.7	55.60	18.223			
10,260.0	10,071.2	10,462.3	10,299.4	33.8	20.9	102.30	359.1	-425.7	1,011.9	956.3	55.59	18.203			
10,300.0	10,104.2	10,520.2	10,321.2	33.8	21.0	101.03	412.7	-425.9	1,006.6	951.1	55.51	18.134			
10,350.0	10,143.0	10,586.0	10,339.2	33.9	21.1	99.51	476.0	-426.0	1,000.4	945.0	55.39	18.062			
10,355.0	10,146.7	10,592.3	10,340.5	33.9	21.1	99.36	482.1	-426.0	999.8	944.4	55.37	18.056			
10,400.0	10,178.9	10,645.9	10,349.2	33.9	21.1	98.03	535.0	-426.1	994.8	939.6	55.26	18.004			
10,450.0	10,211.7	10,700.9	10,352.9	33.9	21.2	96.60	589.9	-426.2	990.0	934.9	55.13	17.958			
10,500.0	10,241.0	10,743.7	10,353.1	33.9	21.3	95.53	632.7	-426.3	986.3	931.2	55.07	17.908			
10,545.0	10,264.3	10,782.3	10,353.3	33.9	21.4	94.62	671.2	-426.4	983.9	928.8	55.04	17.874			
10,550.0	10,266.8	10,786.7	10,353.3	33.9	21.4	94.52	675.6	-426.4	983.7	928.6	55.04	17.871			
10,600.0	10,288.6	10,831.7	10,353.5	34.0	21.5	93.55	720.7	-426.4	982.0	926.9	55.04	17.842			
10,640.0	10,303.3	10,869.0	10,353.7	34.0	21.5	92.85	757.9	-426.5	981.1	926.0	55.05	17.820			
10,650.0	10,306.5	10,878.4	10,353.7	34.0	21.6	92.69	767.4	-426.5	980.9	925.9	55.06	17.815			
10,700.0	10,320.3	10,926.6	10,353.9	34.0	21.7	91.99	815.5	-426.6	980.4	925.2	55.12	17.785			
10,735.0	10,327.4	10,960.9	10,354.0	34.1	21.7	91.61	849.8	-426.7	980.1	924.9	55.19	17.759			
10,750.0	10,329.8	10,975.7	10,354.1	34.1	21.8	91.48	864.6	-426.7	980.1	924.8	55.22	17.747			
10,800.0	10,335.0	11,025.4	10,354.3	34.1	21.9	91.20	914.4	-426.8	979.9	924.6	55.37	17.698			
10,830.0	10,336.0	11,055.4	10,354.4	34.1	22.0	91.15	944.3	-426.9	979.9	924.5	55.48	17.663			
10,831.7	10,336.0	11,057.1	10,354.4	34.1	22.0	91.15	946.0	-426.9	979.9	924.4	55.48	17.661			
10,832.3	10,336.0	11,057.6	10,354.4	34.1	22.0	91.15	946.6	-426.9	979.9	924.4	55.49	17.661			
10,900.0	10,336.3	11,125.4	10,354.7	34.2	22.1	91.15	1,014.3	-427.0	979.9	924.2	55.76	17.574			
10,925.0	10,336.4	11,150.4	10,354.8	34.2	22.2	91.15	1,039.3	-427.1	979.9	924.1	55.87	17.539			
11,000.0	10,336.7	11,225.4	10,355.1	34.3	22.4	91.15	1,114.3	-427.2	979.9	923.7	56.20	17.435			
11,020.0	10,336.8	11,245.4	10,355.2	34.3	22.5	91.15	1,134.3	-427.2	979.9	923.6	56.30	17.406			
11,100.0	10,337.1	11,325.4	10,355.5	34.5	22.7	91.15	1,214.3	-427.4	979.9	923.2	56.69	17.287			
11,115.0	10,337.2	11,340.4	10,355.6	34.5	22.8	91.15	1,229.3	-427.4	979.9	923.2	56.76	17.264			
11,200.0	10,337.5	11,425.4	10,355.9	34.6	23.1	91.15	1,314.3	-427.6	979.9	922.7	57.21	17.130			
11,210.0	10,337.6	11,435.4	10,356.0	34.6	23.1	91.15	1,324.3	-427.6	979.9	922.7	57.26	17.114			
11,300.0	10,337.9	11,525.4	10,356.4	34.8	23.4	91.15	1,414.3	-427.8	979.9	922.2	57.76	16.965			
11,305.0	10,338.0	11,530.4	10,356.4	34.8	23.4	91.15	1,419.3	-427.8	979.9	922.1	57.79	16.957			
11,400.0	10,338.4	11,625.4	10,356.8	35.0	23.8	91.15	1,514.3	-428.0	979.9	921.6	58.35	16.794			
11,495.0	10,338.7	11,720.4	10,357.2	35.2	24.1	91.15	1,609.3	-428.2	979.9	921.0	58.95	16.625			
11,500.0	10,338.8	11,725.4	10,357.2	35.2	24.2	91.15	1,614.3	-428.2	979.9	921.0	58.98	16.616			
11,590.0	10,339.1	11,815.4	10,357.5	35.4	24.5	91.15	1,704.3	-428.3	979.9	920.4	59.57	16.451			
11,600.0	10,339.2	11,825.4	10,357.6	35.4	24.6	91.15	1,714.3	-428.4	979.9	920.3	59.63	16.433			
11,685.0	10,339.5	11,910.4	10,357.9	35.6	24.9	91.15	1,799.3	-428.5	979.9	919.7	60.22	16.273			
11,700.0	10,339.6	11,925.4	10,358.0	35.6	25.0	91.15	1,814.3	-428.6	979.9	919.6	60.32	16.245			
11,780.0	10,339.9	12,005.4	10,358.3	35.8	25.3	91.15	1,894.3	-428.7	980.0	919.1	60.90	16.092			
11,800.0	10,340.0	12,025.4	10,358.4	35.9	25.4	91.15	1,914.3	-428.8	980.0	918.9	61.04	16.054			
11,875.0	10,340.3	12,100.4	10,358.7	36.1	25.8	91.15	1,989.3	-428.9	980.0	918.4	61.60	15.908			
11,900.0	10,340.4	12,125.4	10,358.8	36.1	25.9	91.15	2,014.3	-428.9	980.0	918.2	61.79	15.859			
11,970.0	10,340.7	12,195.4	10,359.1	36.3	26.2	91.15	2,084.3	-429.1	980.0	917.6	62.33	15.722			
12,000.0	10,340.8	12,225.4	10,359.2	36.4	26.3	91.15	2,114.3	-429.1	980.0	917.4	62.57	15.663			
12,065.0	10,341.1	12,290.4	10,359.5	36.6	26.7	91.15	2,179.3	-429.3	980.0	916.9	63.09	15.533			
12,100.0	10,341.3	12,325.4	10,359.6	36.7	26.8	91.15	2,214.3	-429.3	980.0	916.6	63.37	15.464			

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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				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	
12,160.0	10,341.5	12,385.4	10,359.9	36.9	27.1	91.15	2,274.3	-429.4	980.0	916.1	63.87	15.344		
12,200.0	10,341.7	12,425.4	10,360.0	37.0	27.3	91.15	2,314.3	-429.5	980.0	915.8	64.20	15.264		
12,255.0	10,341.9	12,480.4	10,360.3	37.2	27.6	91.15	2,369.3	-429.6	980.0	915.3	64.67	15.154		
12,300.0	10,342.1	12,525.4	10,360.5	37.4	27.8	91.15	2,414.3	-429.7	980.0	914.9	65.05	15.064		
12,350.0	10,342.3	12,575.4	10,360.7	37.5	28.1	91.15	2,464.3	-429.8	980.0	914.5	65.49	14.963		
12,400.0	10,342.5	12,625.4	10,360.9	37.7	28.3	91.15	2,514.3	-429.9	980.0	914.0	65.93	14.863		
12,445.0	10,342.7	12,670.4	10,361.1	37.9	28.6	91.15	2,559.3	-430.0	980.0	913.6	66.34	14.773		
12,500.0	10,342.9	12,725.4	10,361.3	38.1	28.9	91.15	2,614.3	-430.1	980.0	913.1	66.83	14.663		
12,540.0	10,343.1	12,765.4	10,361.4	38.2	29.1	91.15	2,654.3	-430.2	980.0	912.8	67.20	14.583		
12,600.0	10,343.3	12,825.4	10,361.7	38.4	29.4	91.15	2,714.3	-430.3	980.0	912.2	67.75	14.463		
12,635.0	10,343.5	12,860.4	10,361.8	38.6	29.6	91.15	2,749.3	-430.4	980.0	911.9	68.08	14.393		
12,700.0	10,343.7	12,925.4	10,362.1	38.8	30.0	91.15	2,814.3	-430.5	980.0	911.3	68.70	14.265		
12,730.0	10,343.9	12,955.4	10,362.2	38.9	30.1	91.15	2,844.3	-430.5	980.0	911.0	68.99	14.205		
12,800.0	10,344.2	13,025.4	10,362.5	39.2	30.5	91.15	2,914.3	-430.7	980.0	910.3	69.66	14.067		
12,825.0	10,344.3	13,050.4	10,362.6	39.3	30.7	91.15	2,939.3	-430.7	980.0	910.1	69.91	14.018		
12,900.0	10,344.6	13,125.4	10,362.9	39.6	31.1	91.15	3,014.3	-430.9	980.0	909.3	70.65	13.872		
12,920.0	10,344.7	13,145.4	10,363.0	39.7	31.2	91.15	3,034.3	-430.9	980.0	909.1	70.85	13.832		
13,000.0	10,345.0	13,225.4	10,363.3	40.0	31.7	91.15	3,114.3	-431.1	980.0	908.3	71.65	13.678		
13,015.0	10,345.0	13,240.4	10,363.4	40.1	31.7	91.15	3,129.3	-431.1	980.0	908.2	71.80	13.649		
13,100.0	10,345.4	13,325.4	10,363.7	40.4	32.2	91.15	3,214.3	-431.3	980.0	907.3	72.67	13.486		
13,110.0	10,345.4	13,335.4	10,363.8	40.5	32.3	91.15	3,224.3	-431.3	980.0	907.2	72.77	13.467		
13,200.0	10,345.8	13,425.4	10,364.2	40.9	32.8	91.15	3,314.3	-431.5	980.0	906.3	73.70	13.296		
13,205.0	10,345.8	13,430.4	10,364.2	40.9	32.9	91.15	3,319.3	-431.5	980.0	906.2	73.76	13.287		
13,300.0	10,346.2	13,525.4	10,364.6	41.3	33.4	91.15	3,414.3	-431.6	980.0	905.2	74.76	13.109		
13,395.0	10,346.6	13,620.4	10,365.0	41.8	34.0	91.15	3,509.3	-431.8	980.0	904.2	75.77	12.933		
13,400.0	10,346.6	13,625.4	10,365.0	41.8	34.0	91.15	3,514.3	-431.8	980.0	904.2	75.83	12.924		
13,490.0	10,347.0	13,715.4	10,365.3	42.2	34.6	91.15	3,604.3	-432.0	980.0	903.2	76.80	12.760		
13,500.0	10,347.1	13,725.4	10,365.4	42.3	34.6	91.15	3,614.3	-432.0	980.0	903.1	76.91	12.742		
13,585.0	10,347.4	13,810.4	10,365.7	42.7	35.2	91.15	3,699.3	-432.2	980.0	902.1	77.84	12.589		
13,600.0	10,347.5	13,825.4	10,365.8	42.7	35.2	91.15	3,714.3	-432.2	980.0	902.0	78.01	12.563		
13,680.0	10,347.8	13,905.4	10,366.1	43.1	35.7	91.15	3,794.3	-432.4	980.0	901.1	78.90	12.421		
13,700.0	10,347.9	13,925.4	10,366.2	43.2	35.9	91.15	3,814.3	-432.4	980.0	900.9	79.12	12.386		
13,775.0	10,348.2	14,000.4	10,366.5	43.6	36.3	91.15	3,889.3	-432.6	980.0	900.0	79.96	12.256		
13,800.0	10,348.3	14,025.4	10,366.6	43.7	36.5	91.15	3,914.3	-432.6	980.0	899.7	80.24	12.213		
13,870.0	10,348.6	14,095.4	10,366.9	44.1	36.9	91.15	3,984.3	-432.7	980.0	899.0	81.04	12.093		
13,900.0	10,348.7	14,125.4	10,367.0	44.2	37.1	91.15	4,014.3	-432.8	980.0	898.6	81.38	12.042		
13,965.0	10,349.0	14,190.4	10,367.3	44.5	37.5	91.15	4,079.3	-432.9	980.0	897.9	82.13	11.933		
14,000.0	10,349.1	14,225.4	10,367.4	44.7	37.8	91.15	4,114.3	-433.0	980.0	897.5	82.53	11.874		
14,060.0	10,349.4	14,285.4	10,367.7	45.0	38.1	91.15	4,174.3	-433.1	980.0	896.8	83.23	11.775		
14,100.0	10,349.5	14,325.4	10,367.9	45.2	38.4	91.15	4,214.3	-433.2	980.0	896.3	83.69	11.709		
14,155.0	10,349.8	14,380.4	10,368.1	45.5	38.8	91.15	4,269.3	-433.3	980.0	895.7	84.34	11.620		
14,200.0	10,350.0	14,425.4	10,368.3	45.8	39.0	91.15	4,314.3	-433.4	980.0	895.1	84.87	11.548		
14,250.0	10,350.2	14,475.4	10,368.5	46.0	39.4	91.15	4,364.3	-433.5	980.0	894.5	85.46	11.468		
14,300.0	10,350.4	14,525.4	10,368.7	46.3	39.7	91.15	4,414.3	-433.6	980.0	894.0	86.05	11.389		
14,345.0	10,350.6	14,570.4	10,368.9	46.5	40.0	91.15	4,459.3	-433.7	980.0	893.4	86.59	11.318		
14,400.0	10,350.8	14,625.4	10,369.1	46.8	40.4	91.15	4,514.3	-433.8	980.0	892.8	87.24	11.233		
14,440.0	10,351.0	14,665.4	10,369.2	47.0	40.6	91.15	4,554.3	-433.8	980.0	892.3	87.72	11.171		
14,500.0	10,351.2	14,725.4	10,369.5	47.4	41.0	91.15	4,614.3	-434.0	980.0	891.6	88.45	11.080		
14,535.0	10,351.3	14,760.4	10,369.6	47.6	41.2	91.15	4,649.3	-434.0	980.0	891.1	88.87	11.027		
14,600.0	10,351.6	14,825.4	10,369.9	47.9	41.7	91.15	4,714.3	-434.2	980.0	890.3	89.66	10.930		
14,630.0	10,351.7	14,855.4	10,370.0	48.1	41.9	91.15	4,744.3	-434.2	980.0	890.0	90.03	10.886		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,700.0	10,352.0	14,925.4	10,370.3	48.5	42.3	91.15	4,814.3	-434.3	980.0	889.1	90.88	10.783	
14,725.0	10,352.1	14,950.4	10,370.4	48.6	42.5	91.15	4,839.3	-434.4	980.0	888.8	91.19	10.747	
14,800.0	10,352.4	15,025.4	10,370.7	49.0	43.0	91.14	4,914.3	-434.5	980.0	887.9	92.11	10.639	
14,820.0	10,352.5	15,045.4	10,370.8	49.2	43.1	91.14	4,934.3	-434.6	980.0	887.7	92.36	10.611	
14,900.0	10,352.9	15,125.4	10,371.1	49.6	43.7	91.14	5,014.3	-434.7	980.0	886.7	93.35	10.498	
14,915.0	10,352.9	15,140.4	10,371.2	49.7	43.8	91.14	5,029.3	-434.8	980.0	886.5	93.54	10.477	
15,000.0	10,353.3	15,225.4	10,371.6	50.2	44.3	91.14	5,114.3	-434.9	980.0	885.4	94.60	10.359	
15,010.0	10,353.3	15,235.4	10,371.6	50.2	44.4	91.14	5,124.3	-434.9	980.0	885.3	94.73	10.346	
15,100.0	10,353.7	15,325.4	10,372.0	50.8	45.0	91.14	5,214.3	-435.1	980.0	884.2	95.86	10.224	
15,105.0	10,353.7	15,330.4	10,372.0	50.8	45.1	91.14	5,219.3	-435.1	980.0	884.1	95.92	10.217	
15,200.0	10,354.1	15,425.4	10,372.4	51.4	45.7	91.14	5,314.3	-435.3	980.0	882.9	97.12	10.091	
15,295.0	10,354.5	15,520.4	10,372.8	51.9	46.3	91.14	5,409.3	-435.5	980.0	881.7	98.33	9.967	
15,300.0	10,354.5	15,525.4	10,372.8	51.9	46.4	91.14	5,414.3	-435.5	980.0	881.6	98.39	9.961	
15,390.0	10,354.9	15,615.4	10,373.2	52.5	47.0	91.14	5,504.3	-435.7	980.0	880.5	99.54	9.845	
15,400.0	10,354.9	15,625.4	10,373.2	52.5	47.1	91.14	5,514.3	-435.7	980.0	880.4	99.67	9.833	
15,485.0	10,355.3	15,710.4	10,373.5	53.0	47.7	91.14	5,599.3	-435.9	980.0	879.3	100.76	9.726	
15,500.0	10,355.3	15,725.4	10,373.6	53.1	47.8	91.14	5,614.3	-435.9	980.0	879.1	100.95	9.708	
15,580.0	10,355.7	15,805.4	10,373.9	53.6	48.3	91.14	5,694.3	-436.0	980.0	878.0	101.98	9.610	
15,600.0	10,355.8	15,825.4	10,374.0	53.7	48.4	91.14	5,714.3	-436.1	980.0	877.8	102.24	9.585	
15,675.0	10,356.1	15,900.4	10,374.3	54.2	49.0	91.14	5,789.3	-436.2	980.0	876.8	103.22	9.495	
15,700.0	10,356.2	15,925.4	10,374.4	54.3	49.1	91.14	5,814.3	-436.3	980.0	876.5	103.54	9.465	
15,770.0	10,356.5	15,995.4	10,374.7	54.8	49.6	91.14	5,884.3	-436.4	980.0	875.6	104.45	9.383	
15,800.0	10,356.6	16,025.4	10,374.8	55.0	49.8	91.14	5,914.3	-436.5	980.0	875.2	104.84	9.348	
15,865.0	10,356.9	16,090.4	10,375.1	55.4	50.3	91.14	5,979.3	-436.6	980.0	874.3	105.69	9.272	
15,900.0	10,357.0	16,125.4	10,375.2	55.6	50.5	91.14	6,014.3	-436.7	980.0	873.9	106.15	9.232	
15,960.0	10,357.3	16,185.4	10,375.5	55.9	50.9	91.14	6,074.3	-436.8	980.0	873.1	106.94	9.164	
16,000.0	10,357.4	16,225.4	10,375.7	56.2	51.2	91.14	6,114.3	-436.9	980.0	872.6	107.47	9.119	
16,055.0	10,357.7	16,280.4	10,375.9	56.5	51.6	91.14	6,169.3	-437.0	980.0	871.8	108.19	9.058	
16,100.0	10,357.8	16,325.4	10,376.1	56.8	51.9	91.14	6,214.3	-437.0	980.0	871.3	108.79	9.009	
16,150.0	10,358.0	16,375.4	10,376.3	57.1	52.3	91.14	6,264.3	-437.1	980.0	870.6	109.45	8.954	
16,200.0	10,358.3	16,425.4	10,376.5	57.4	52.6	91.14	6,314.3	-437.2	980.0	869.9	110.11	8.900	
16,245.0	10,358.4	16,470.4	10,376.7	57.7	52.9	91.14	6,359.3	-437.3	980.0	869.3	110.71	8.852	
16,300.0	10,358.7	16,525.4	10,376.9	58.1	53.3	91.14	6,414.3	-437.4	980.0	868.6	111.44	8.794	
16,340.0	10,358.8	16,565.4	10,377.1	58.3	53.6	91.14	6,454.3	-437.5	980.0	868.1	111.98	8.752	
16,400.0	10,359.1	16,625.4	10,377.3	58.7	54.0	91.14	6,514.3	-437.6	980.0	867.3	112.78	8.690	
16,435.0	10,359.2	16,660.4	10,377.4	58.9	54.3	91.14	6,549.3	-437.7	980.0	866.8	113.25	8.654	
16,500.0	10,359.5	16,725.4	10,377.7	59.3	54.7	91.14	6,614.3	-437.8	980.0	865.9	114.12	8.588	
16,530.0	10,359.6	16,755.4	10,377.8	59.5	54.9	91.14	6,644.3	-437.9	980.0	865.5	114.52	8.558	
16,600.0	10,359.9	16,825.4	10,378.1	60.0	55.4	91.14	6,714.3	-438.0	980.0	864.6	115.46	8.488	
16,625.0	10,360.0	16,850.4	10,378.2	60.1	55.6	91.14	6,739.3	-438.1	980.0	864.3	115.80	8.463	
16,700.0	10,360.3	16,925.4	10,378.5	60.6	56.1	91.14	6,814.3	-438.2	980.1	863.2	116.81	8.390	
16,720.0	10,360.4	16,945.4	10,378.6	60.7	56.3	91.14	6,834.3	-438.2	980.1	863.0	117.08	8.371	
16,800.0	10,360.7	17,025.4	10,378.9	61.3	56.9	91.14	6,914.3	-438.4	980.1	861.9	118.16	8.294	
16,815.0	10,360.8	17,040.4	10,379.0	61.4	57.0	91.14	6,929.3	-438.4	980.1	861.7	118.37	8.280	
16,900.0	10,361.2	17,125.4	10,379.4	61.9	57.6	91.14	7,014.3	-438.6	980.1	860.5	119.52	8.200	
16,910.0	10,361.2	17,135.4	10,379.4	62.0	57.6	91.14	7,024.3	-438.6	980.1	860.4	119.66	8.191	
17,000.0	10,361.6	17,225.4	10,379.8	62.6	58.3	91.14	7,114.3	-438.8	980.1	859.2	120.88	8.108	
17,005.0	10,361.6	17,230.4	10,379.8	62.6	58.3	91.14	7,119.3	-438.8	980.1	859.1	120.95	8.103	
17,100.0	10,362.0	17,325.4	10,380.2	63.2	59.0	91.14	7,214.3	-439.0	980.1	857.8	122.25	8.017	
17,195.0	10,362.4	17,420.4	10,380.6	63.8	59.7	91.14	7,309.3	-439.2	980.1	856.5	123.55	7.933	
17,200.0	10,362.4	17,425.4	10,380.6	63.9	59.7	91.14	7,314.3	-439.2	980.1	856.4	123.61	7.928	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 3.0 usft	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Distance					Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
17,290.0	10,362.8	17,515.4	10,381.0	64.5	60.4	91.14	7,404.3	-439.3	980.1	855.2	124.85	7.850				
17,300.0	10,362.8	17,525.4	10,381.0	64.5	60.4	91.14	7,414.3	-439.4	980.1	855.1	124.99	7.841				
17,385.0	10,363.2	17,610.4	10,381.3	65.1	61.0	91.14	7,499.3	-439.5	980.1	853.9	126.15	7.769				
17,400.0	10,363.2	17,625.4	10,381.4	65.2	61.1	91.14	7,514.3	-439.6	980.1	853.7	126.36	7.756				
17,480.0	10,363.6	17,705.4	10,381.7	65.7	61.7	91.14	7,594.3	-439.7	980.1	852.6	127.46	7.689				
17,500.0	10,363.6	17,725.4	10,381.8	65.8	61.9	91.14	7,614.3	-439.8	980.1	852.3	127.74	7.672				
17,575.0	10,364.0	17,800.4	10,382.1	66.3	62.4	91.14	7,689.3	-439.9	980.1	851.3	128.78	7.611				
17,600.0	10,364.1	17,825.4	10,382.2	66.5	62.6	91.14	7,714.3	-439.9	980.1	850.9	129.12	7.590				
17,670.0	10,364.3	17,895.4	10,382.5	67.0	63.1	91.14	7,784.3	-440.1	980.1	850.0	130.09	7.534				
17,700.0	10,364.5	17,925.4	10,382.6	67.2	63.3	91.14	7,814.3	-440.1	980.1	849.6	130.51	7.510				
17,765.0	10,364.7	17,990.4	10,382.9	67.6	63.8	91.14	7,879.3	-440.3	980.1	848.7	131.41	7.458				
17,800.0	10,364.9	18,025.4	10,383.1	67.8	64.0	91.14	7,914.3	-440.3	980.1	848.2	131.90	7.431				
17,860.0	10,365.1	18,085.4	10,383.3	68.2	64.5	91.14	7,974.3	-440.4	980.1	847.3	132.73	7.384				
17,900.0	10,365.3	18,125.4	10,383.5	68.5	64.8	91.14	8,014.3	-440.5	980.1	846.8	133.29	7.353				
17,955.0	10,365.5	18,180.4	10,383.7	68.9	65.1	91.14	8,069.3	-440.6	980.1	846.0	134.05	7.311				
18,000.0	10,365.7	18,225.4	10,383.9	69.2	65.5	91.14	8,114.3	-440.7	980.1	845.4	134.68	7.277				
18,050.0	10,365.9	18,275.4	10,384.1	69.5	65.8	91.14	8,164.3	-440.8	980.1	844.7	135.38	7.239				
18,100.0	10,366.1	18,325.4	10,384.3	69.9	66.2	91.14	8,214.3	-440.9	980.1	844.0	136.08	7.202				
18,145.0	10,366.3	18,370.4	10,384.5	70.2	66.5	91.14	8,259.3	-441.0	980.1	843.4	136.71	7.169				
18,200.0	10,366.5	18,425.4	10,384.7	70.5	66.9	91.14	8,314.3	-441.1	980.1	842.6	137.48	7.129				
18,240.0	10,366.7	18,465.4	10,384.9	70.8	67.2	91.14	8,354.3	-441.2	980.1	842.0	138.04	7.100				
18,300.0	10,367.0	18,525.4	10,385.1	71.2	67.7	91.14	8,414.3	-441.3	980.1	841.2	138.88	7.057				
18,335.0	10,367.1	18,560.4	10,385.3	71.4	67.9	91.14	8,449.3	-441.4	980.1	840.7	139.37	7.032				
18,400.0	10,367.4	18,625.4	10,385.5	71.9	68.4	91.14	8,514.3	-441.5	980.1	839.8	140.29	6.986				
18,430.0	10,367.5	18,655.4	10,385.6	72.1	68.6	91.14	8,544.3	-441.5	980.1	839.4	140.71	6.965				
18,500.0	10,367.8	18,725.4	10,385.9	72.6	69.1	91.14	8,614.3	-441.7	980.1	838.4	141.69	6.917				
18,525.0	10,367.9	18,750.4	10,386.0	72.7	69.3	91.14	8,639.3	-441.7	980.1	838.0	142.05	6.900				
18,600.0	10,368.2	18,825.4	10,386.3	73.3	69.8	91.14	8,714.3	-441.9	980.1	837.0	143.10	6.849				
18,620.0	10,368.3	18,845.4	10,386.4	73.4	70.0	91.14	8,734.3	-441.9	980.1	836.7	143.39	6.835				
18,700.0	10,368.6	18,925.4	10,386.7	73.9	70.6	91.14	8,814.3	-442.1	980.1	835.6	144.52	6.782				
18,715.0	10,368.7	18,940.4	10,386.8	74.0	70.7	91.14	8,829.3	-442.1	980.1	835.4	144.73	6.772				
18,800.0	10,369.0	19,025.4	10,387.2	74.6	71.3	91.14	8,914.3	-442.3	980.1	834.2	145.93	6.716				
18,810.0	10,369.1	19,035.4	10,387.2	74.7	71.4	91.14	8,924.3	-442.3	980.1	834.0	146.07	6.710				
18,900.0	10,369.4	19,125.4	10,387.6	75.3	72.0	91.14	9,014.3	-442.5	980.1	832.7	147.35	6.652				
18,905.0	10,369.5	19,130.4	10,387.6	75.3	72.1	91.14	9,019.3	-442.5	980.1	832.7	147.42	6.648				
19,000.0	10,369.9	19,225.4	10,388.0	76.0	72.8	91.14	9,114.3	-442.6	980.1	831.3	148.77	6.588				
19,095.0	10,370.3	19,320.4	10,388.4	76.7	73.5	91.14	9,209.3	-442.8	980.1	830.0	150.12	6.529				
19,100.0	10,370.3	19,325.4	10,388.4	76.7	73.5	91.14	9,214.3	-442.8	980.1	829.9	150.19	6.526				
19,190.0	10,370.6	19,415.4	10,388.8	77.3	74.1	91.14	9,304.3	-443.0	980.1	828.6	151.47	6.471				
19,200.0	10,370.7	19,425.4	10,388.8	77.4	74.2	91.14	9,314.3	-443.0	980.1	828.5	151.61	6.465				
19,285.0	10,371.0	19,510.4	10,389.2	78.0	74.8	91.13	9,399.3	-443.2	980.1	827.3	152.82	6.413				
19,300.0	10,371.1	19,525.4	10,389.2	78.1	75.0	91.13	9,414.3	-443.2	980.1	827.1	153.03	6.404				
19,380.0	10,371.4	19,605.4	10,389.5	78.6	75.5	91.13	9,494.3	-443.4	980.1	825.9	154.18	6.357				
19,400.0	10,371.5	19,625.4	10,389.6	78.8	75.7	91.13	9,514.3	-443.4	980.1	825.6	154.46	6.345				
19,475.0	10,371.8	19,700.4	10,389.9	79.3	76.2	91.13	9,589.3	-443.6	980.1	824.6	155.53	6.302				
19,500.0	10,371.9	19,725.4	10,390.0	79.5	76.4	91.13	9,614.3	-443.6	980.1	824.2	155.89	6.287				
19,570.0	10,372.2	19,795.4	10,390.3	80.0	76.9	91.13	9,684.3	-443.7	980.1	823.2	156.89	6.247				
19,600.0	10,372.3	19,825.4	10,390.4	80.2	77.2	91.13	9,714.3	-443.8	980.1	822.8	157.32	6.230				
19,665.0	10,372.6	19,890.4	10,390.7	80.6	77.6	91.13	9,779.3	-443.9	980.1	821.9	158.25	6.193				
19,700.0	10,372.8	19,925.4	10,390.9	80.9	77.9	91.13	9,814.3	-444.0	980.1	821.4	158.75	6.174				
19,760.0	10,373.0	19,985.4	10,391.1	81.3	78.3	91.13	9,874.3	-444.1	980.1	820.5	159.61	6.141				

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,800.0	10,373.2	20,025.4	10,391.3	81.6	78.6	91.13	9,914.3	-444.2	980.1	819.9	160.19	6.119		
19,855.0	10,373.4	20,080.4	10,391.5	81.9	79.0	91.13	9,969.3	-444.3	980.1	819.1	160.98	6.089		
19,900.0	10,373.6	20,125.4	10,391.7	82.3	79.4	91.13	10,014.3	-444.4	980.1	818.5	161.62	6.064		
19,950.0	10,373.8	20,175.4	10,391.9	82.6	79.7	91.13	10,064.3	-444.5	980.1	817.8	162.34	6.037		
20,000.0	10,374.0	20,225.4	10,392.1	83.0	80.1	91.13	10,114.3	-444.6	980.1	817.1	163.06	6.011		
20,045.0	10,374.2	20,270.4	10,392.3	83.3	80.4	91.13	10,159.3	-444.7	980.1	816.4	163.71	5.987		
20,100.0	10,374.4	20,325.4	10,392.5	83.7	80.8	91.13	10,214.3	-444.8	980.1	815.6	164.50	5.958		
20,140.0	10,374.6	20,365.4	10,392.7	83.9	81.1	91.13	10,254.3	-444.8	980.1	815.0	165.07	5.937		
20,200.0	10,374.8	20,425.4	10,392.9	84.4	81.6	91.13	10,314.3	-445.0	980.1	814.2	165.94	5.907		
20,235.0	10,375.0	20,460.4	10,393.1	84.6	81.8	91.13	10,349.3	-445.0	980.1	813.7	166.44	5.889		
20,300.0	10,375.2	20,525.4	10,393.3	85.1	82.3	91.13	10,414.3	-445.2	980.1	812.7	167.38	5.856		
20,330.0	10,375.4	20,555.4	10,393.4	85.3	82.5	91.13	10,444.3	-445.2	980.1	812.3	167.81	5.841		
20,400.0	10,375.7	20,625.4	10,393.7	85.8	83.1	91.13	10,514.3	-445.3	980.1	811.3	168.82	5.806		
20,425.0	10,375.8	20,650.4	10,393.8	86.0	83.2	91.13	10,539.3	-445.4	980.1	810.9	169.19	5.793		
20,500.0	10,376.1	20,725.4	10,394.1	86.5	83.8	91.13	10,614.2	-445.5	980.1	809.9	170.27	5.756		
20,520.0	10,376.2	20,745.4	10,394.2	86.6	83.9	91.13	10,634.2	-445.6	980.1	809.6	170.56	5.747		
20,600.0	10,376.5	20,825.4	10,394.6	87.2	84.5	91.13	10,714.2	-445.7	980.1	808.4	171.72	5.708		
20,615.0	10,376.6	20,840.4	10,394.6	87.3	84.6	91.13	10,729.2	-445.8	980.1	808.2	171.93	5.701		
20,700.0	10,376.9	20,925.4	10,395.0	87.9	85.3	91.13	10,814.2	-445.9	980.1	807.0	173.16	5.660		
20,710.0	10,376.9	20,935.4	10,395.0	88.0	85.4	91.13	10,824.2	-445.9	980.1	806.8	173.31	5.655		
20,800.0	10,377.3	21,025.4	10,395.4	88.6	86.0	91.13	10,914.2	-446.1	980.1	805.5	174.61	5.613		
20,805.0	10,377.3	21,030.4	10,395.4	88.6	86.1	91.13	10,919.2	-446.1	980.1	805.4	174.69	5.611		
20,900.0	10,377.7	21,125.4	10,395.8	89.3	86.8	91.13	11,014.2	-446.3	980.1	804.1	176.06	5.567		
20,995.0	10,378.1	21,220.4	10,396.2	90.0	87.5	91.13	11,109.2	-446.5	980.1	802.7	177.44	5.524		
21,000.0	10,378.1	21,225.4	10,396.2	90.0	87.5	91.13	11,114.2	-446.5	980.1	802.6	177.51	5.521		
21,090.0	10,378.5	21,315.4	10,396.6	90.7	88.2	91.13	11,204.2	-446.7	980.1	801.3	178.82	5.481		
21,100.0	10,378.6	21,325.4	10,396.6	90.7	88.2	91.13	11,214.2	-446.7	980.1	801.2	178.97	5.477		
21,185.0	10,378.9	21,410.4	10,397.0	91.3	88.9	91.13	11,299.2	-446.9	980.1	799.9	180.20	5.439		
21,200.0	10,379.0	21,425.4	10,397.0	91.5	89.0	91.13	11,314.2	-446.9	980.1	799.7	180.42	5.433		
21,280.0	10,379.3	21,505.4	10,397.3	92.0	89.6	91.13	11,394.2	-447.0	980.1	798.6	181.59	5.398		
21,300.0	10,379.4	21,525.4	10,397.4	92.2	89.7	91.13	11,414.2	-447.1	980.1	798.3	181.88	5.389		
21,375.0	10,379.7	21,600.4	10,397.7	92.7	90.3	91.13	11,489.2	-447.2	980.1	797.2	182.97	5.357		
21,400.0	10,379.8	21,625.4	10,397.8	92.9	90.5	91.13	11,514.2	-447.3	980.1	796.8	183.33	5.346		
21,470.0	10,380.1	21,695.4	10,398.1	93.4	91.0	91.13	11,584.2	-447.4	980.1	795.8	184.35	5.317		
21,500.0	10,380.2	21,725.4	10,398.3	93.6	91.2	91.13	11,614.2	-447.5	980.1	795.4	184.79	5.304		
21,565.0	10,380.5	21,790.4	10,398.5	94.1	91.7	91.13	11,679.2	-447.6	980.1	794.4	185.74	5.277		
21,600.0	10,380.6	21,825.4	10,398.7	94.3	92.0	91.13	11,714.2	-447.7	980.2	793.9	186.25	5.263		
21,660.0	10,380.9	21,885.4	10,398.9	94.7	92.4	91.13	11,774.2	-447.8	980.2	793.0	187.12	5.238		
21,700.0	10,381.1	21,925.4	10,399.1	95.0	92.7	91.13	11,814.2	-447.9	980.2	792.4	187.71	5.222		
21,755.0	10,381.3	21,980.4	10,399.3	95.4	93.1	91.13	11,869.2	-448.0	980.2	791.6	188.51	5.199		
21,800.0	10,381.5	22,025.4	10,399.5	95.7	93.4	91.13	11,914.2	-448.0	980.2	791.0	189.17	5.181		
21,850.0	10,381.7	22,075.4	10,399.7	96.1	93.8	91.13	11,964.2	-448.1	980.2	790.3	189.90	5.161		
21,900.0	10,381.9	22,125.4	10,399.9	96.5	94.2	91.13	12,014.2	-448.2	980.2	789.5	190.63	5.142		
21,945.0	10,382.1	22,170.4	10,400.1	96.8	94.5	91.13	12,059.2	-448.3	980.2	788.9	191.29	5.124		
22,000.0	10,382.3	22,225.4	10,400.3	97.2	94.9	91.13	12,114.2	-448.4	980.2	788.1	192.09	5.103		
22,040.1	10,382.5	22,265.5	10,400.5	97.5	95.2	91.13	12,154.3	-448.5	980.2	787.5	192.68	5.087		
22,100.0	10,382.7	22,325.4	10,400.7	97.9	95.7	91.13	12,214.2	-448.6	980.2	786.6	193.55	5.064		
22,135.0	10,382.9	22,360.4	10,400.9	98.1	95.9	91.13	12,249.2	-448.7	980.2	786.1	194.06	5.051		
22,138.1	10,382.9	22,363.5	10,400.9	98.2	96.0	91.13	12,252.3	-448.7	980.2	786.1	194.11	5.050		
22,170.0	10,383.0	22,394.8	10,401.0	98.4	96.2	91.13	12,283.6	-448.8	980.2	785.6	194.57	5.038 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	89.98	89.98	0.0	30.0	30.0			
95.0	95.0	94.6	94.6	3.0	3.0	89.98	89.98	0.0	30.0	30.0	23.9	6.05	4.952
100.0	100.0	99.6	99.6	3.0	3.0	89.98	89.98	0.0	30.0	30.0	23.9	6.06	4.947
190.0	190.0	189.6	189.6	3.1	3.1	89.98	89.98	0.0	30.0	30.0	23.7	6.27	4.780
200.0	200.0	199.6	199.6	3.2	3.2	89.98	89.98	0.0	30.0	30.0	23.7	6.30	4.755
285.0	285.0	284.6	284.6	3.3	3.3	89.98	89.98	0.0	30.0	30.0	23.5	6.50	4.611
300.0	300.0	299.6	299.6	3.3	3.3	89.98	89.98	0.0	30.0	30.0	23.4	6.54	4.584
380.0	380.0	379.6	379.6	3.4	3.4	89.98	89.98	0.0	30.0	30.0	23.2	6.72	4.461
400.0	400.0	399.6	399.6	3.4	3.4	89.98	89.98	0.0	30.0	30.0	23.2	6.76	4.430
475.0	475.0	474.6	474.6	3.5	3.5	89.98	89.98	0.0	30.0	30.0	23.0	6.93	4.325
500.0	500.0	499.6	499.6	3.5	3.5	89.98	89.98	0.0	30.0	30.0	23.0	6.98	4.290
570.0	570.0	569.6	569.6	3.6	3.6	89.98	89.98	0.0	30.0	30.0	22.8	7.13	4.201
600.0	600.0	599.6	599.6	3.6	3.6	89.98	89.98	0.0	30.0	30.0	22.8	7.20	4.163
665.0	665.0	664.6	664.6	3.7	3.7	89.98	89.98	0.0	30.0	30.0	22.6	7.33	4.087
700.0	700.0	699.6	699.6	3.8	3.8	89.98	89.98	0.0	30.0	30.0	22.6	7.40	4.046
760.0	760.0	759.6	759.6	3.8	3.8	89.98	89.98	0.0	30.0	30.0	22.4	7.52	3.982
800.0	800.0	799.6	799.6	3.9	3.9	89.98	89.98	0.0	30.0	30.0	22.4	7.61	3.939
855.0	855.0	854.6	854.6	4.0	4.0	89.98	89.98	0.0	30.0	30.0	22.2	7.71	3.884
900.0	900.0	899.6	899.6	4.0	4.0	89.98	89.98	0.0	30.0	30.0	22.2	7.80	3.840
950.0	950.0	949.6	949.6	4.1	4.1	89.98	89.98	0.0	30.0	30.0	22.1	7.90	3.794
1,000.0	1,000.0	999.6	999.6	4.1	4.1	89.98	89.98	0.0	30.0	30.0	22.0	7.99	3.748
1,045.0	1,045.0	1,044.6	1,044.6	4.2	4.2	89.98	89.98	0.0	30.0	30.0	21.9	8.08	3.709
1,100.0	1,100.0	1,099.6	1,099.6	4.3	4.3	89.98	89.98	0.0	30.0	30.0	21.8	8.18	3.662
1,140.0	1,140.0	1,139.6	1,139.6	4.3	4.3	89.98	89.98	0.0	30.0	30.0	21.7	8.25	3.630
1,200.0	1,200.0	1,199.6	1,199.6	4.4	4.4	89.98	89.98	0.0	30.0	30.0	21.6	8.36	3.582
1,235.0	1,235.0	1,234.6	1,234.6	4.4	4.4	89.98	89.98	0.0	30.0	30.0	21.5	8.43	3.556
1,300.0	1,300.0	1,299.6	1,299.6	4.5	4.5	89.98	89.98	0.0	30.0	30.0	21.4	8.54	3.507
1,330.0	1,330.0	1,329.6	1,329.6	4.5	4.5	89.98	89.98	0.0	30.0	30.0	21.4	8.59	3.486
1,400.0	1,400.0	1,399.6	1,399.6	4.6	4.6	89.98	89.98	0.0	30.0	30.0	21.2	8.72	3.437
1,425.0	1,425.0	1,424.6	1,424.6	4.6	4.6	89.98	89.98	0.0	30.0	30.0	21.2	8.76	3.420
1,500.0	1,500.0	1,499.6	1,499.6	4.7	4.7	89.98	89.98	0.0	30.0	30.0	21.1	8.89	3.370
1,520.0	1,520.0	1,519.8	1,519.8	4.7	4.7	165.10	165.10	0.0	29.9	30.0	21.0	8.96	3.342
1,600.0	1,600.0	1,600.7	1,600.6	4.8	4.8	165.85	165.85	0.1	28.2	29.9	20.6	9.27	3.226
1,615.0	1,615.0	1,615.8	1,615.8	4.9	4.8	166.10	166.10	0.1	27.6	29.9	20.5	9.35	3.196
1,700.0	1,699.8	1,701.7	1,701.5	5.0	5.0	168.20	168.20	0.2	22.9	29.7	19.9	9.82	3.028
1,710.0	1,709.8	1,711.8	1,711.6	5.0	5.0	168.52	168.52	0.2	22.1	29.7	19.8	9.87	3.008
1,800.0	1,799.5	1,802.7	1,802.2	5.3	5.2	172.16	172.16	0.4	14.0	29.5	19.1	10.40	2.841
1,805.0	1,804.4	1,807.8	1,807.2	5.3	5.2	172.40	172.40	0.5	13.5	29.5	19.1	10.43	2.832
1,865.6	1,864.6	1,868.9	1,867.9	5.5	5.4	175.64	175.64	0.7	6.2	29.5	18.7	10.79	2.731 CC
1,900.0	1,898.7	1,903.7	1,902.4	5.6	5.5	177.74	177.74	0.8	1.6	29.5	18.5	11.01	2.680
1,995.0	1,992.5	1,999.6	1,997.1	5.9	5.9	-175.56	-175.56	1.2	-13.5	29.8	18.2	11.60	2.571 ES
2,000.0	1,997.5	2,004.6	2,002.0	5.9	5.9	-175.17	-175.17	1.2	-14.4	29.9	18.2	11.63	2.567
2,090.0	2,085.8	2,095.5	2,091.2	6.2	6.2	-167.77	-167.77	1.7	-31.7	30.7	18.6	12.17	2.526
2,100.0	2,095.6	2,105.5	2,101.0	6.2	6.2	-166.91	-166.91	1.8	-33.8	30.9	18.7	12.23	2.526 SF
2,185.0	2,178.5	2,191.2	2,184.6	6.5	6.5	-159.38	-159.38	2.3	-53.0	32.5	19.8	12.67	2.563
2,200.0	2,193.1	2,206.3	2,199.2	6.6	6.6	-158.06	-158.06	2.4	-56.6	32.8	20.1	12.74	2.577
2,280.0	2,270.7	2,286.2	2,276.7	6.8	6.8	-151.61	-151.61	2.9	-75.9	35.2	22.2	13.04	2.700
2,300.0	2,290.1	2,306.1	2,296.0	6.9	6.9	-150.14	-150.14	3.0	-80.8	35.9	22.8	13.11	2.736
2,375.0	2,362.9	2,381.0	2,368.7	7.2	7.2	-145.09	-145.09	3.5	-98.9	38.5	25.1	13.36	2.882
2,400.0	2,387.1	2,406.0	2,392.9	7.2	7.2	-143.56	-143.56	3.7	-104.9	39.5	26.0	13.44	2.936
2,470.0	2,455.0	2,475.9	2,460.7	7.5	7.5	-139.65	-139.65	4.2	-121.8	42.2	28.6	13.66	3.092

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
2,500.0	2,484.1	2,505.8	2,489.8	7.6	7.6	-138.13	4.4	-129.1	43.5	29.7	13.75	3.163		
2,565.0	2,547.2	2,570.7	2,552.8	7.8	7.8	-135.12	4.8	-144.8	46.3	32.3	13.94	3.319		
2,600.0	2,581.2	2,605.7	2,586.7	7.9	8.0	-133.65	5.0	-153.2	47.8	33.8	14.04	3.405		
2,660.0	2,639.4	2,665.6	2,644.8	8.2	8.2	-131.34	5.4	-167.7	50.5	36.3	14.22	3.554		
2,700.0	2,678.2	2,705.5	2,683.5	8.3	8.3	-129.94	5.7	-177.4	52.4	38.1	14.34	3.655		
2,755.0	2,731.6	2,760.4	2,736.8	8.5	8.5	-128.16	6.0	-190.6	55.0	40.5	14.50	3.793		
2,800.0	2,775.2	2,805.4	2,780.4	8.7	8.7	-126.83	6.3	-201.5	57.2	42.5	14.64	3.907		
2,850.0	2,823.7	2,855.3	2,828.9	8.9	8.9	-125.47	6.7	-213.6	59.6	44.8	14.79	4.032		
2,900.0	2,872.3	2,905.2	2,877.3	9.1	9.1	-124.21	7.0	-225.7	62.1	47.2	14.94	4.157		
2,945.0	2,915.9	2,950.1	2,920.9	9.3	9.3	-123.16	7.3	-236.5	64.3	49.3	15.08	4.268		
3,000.0	2,969.3	3,005.0	2,974.2	9.5	9.5	-121.98	7.7	-249.8	67.1	51.9	15.25	4.402		
3,040.0	3,008.1	3,045.0	3,012.9	9.7	9.7	-121.17	7.9	-259.5	69.2	53.8	15.37	4.499		
3,100.0	3,066.3	3,104.9	3,071.1	9.9	9.9	-120.05	8.3	-274.0	72.2	56.7	15.56	4.642		
3,135.0	3,100.3	3,139.8	3,105.0	10.1	10.1	-119.45	8.6	-282.4	74.0	58.4	15.67	4.724		
3,200.0	3,163.4	3,204.7	3,167.9	10.3	10.4	-118.39	9.0	-298.1	77.4	61.5	15.88	4.875		
3,230.0	3,192.5	3,234.7	3,197.0	10.5	10.5	-117.93	9.2	-305.3	79.0	63.0	15.98	4.943		
3,300.0	3,260.4	3,304.6	3,264.8	10.8	10.8	-116.94	9.7	-322.2	82.7	66.4	16.20	5.101		
3,325.0	3,284.6	3,329.5	3,289.0	10.9	10.9	-116.60	9.8	-328.3	84.0	67.7	16.29	5.156		
3,400.0	3,357.4	3,404.4	3,361.7	11.2	11.2	-115.65	10.3	-346.4	87.9	71.4	16.53	5.318		
3,420.0	3,376.8	3,424.4	3,381.1	11.3	11.3	-115.42	10.4	-351.2	89.0	72.4	16.60	5.361		
3,500.0	3,454.4	3,504.2	3,458.6	11.6	11.7	-114.52	11.0	-370.5	93.3	76.4	16.87	5.528		
3,515.0	3,469.0	3,519.2	3,473.1	11.7	11.7	-114.36	11.1	-374.2	94.1	77.1	16.92	5.559		
3,600.0	3,551.5	3,604.1	3,555.4	12.1	12.1	-113.51	11.6	-394.7	98.6	81.4	17.21	5.731		
3,610.0	3,561.2	3,614.1	3,565.1	12.1	12.1	-113.41	11.7	-397.1	99.2	81.9	17.24	5.750		
3,700.0	3,648.5	3,703.9	3,652.3	12.5	12.5	-112.60	12.3	-418.8	104.0	86.5	17.55	5.925		
3,705.0	3,653.3	3,708.9	3,657.1	12.5	12.6	-112.56	12.3	-420.0	104.3	86.7	17.57	5.935		
3,800.0	3,745.5	3,803.8	3,749.2	13.0	13.0	-111.78	13.0	-443.0	109.4	91.5	17.90	6.112		
3,895.0	3,837.7	3,898.6	3,841.2	13.4	13.4	-111.08	13.6	-465.9	114.6	96.3	18.24	6.283		
3,900.0	3,842.6	3,903.6	3,846.1	13.4	13.4	-111.04	13.6	-467.1	114.8	96.6	18.25	6.292		
3,990.0	3,929.9	3,993.5	3,933.2	13.8	13.8	-110.43	14.2	-488.9	119.7	101.2	18.57	6.447		
4,000.0	3,939.6	4,003.5	3,942.9	13.9	13.9	-110.37	14.3	-491.3	120.3	101.7	18.61	6.464		
4,085.0	4,022.1	4,088.3	4,025.3	14.3	14.3	-109.84	14.8	-511.8	124.9	106.0	18.91	6.606		
4,100.0	4,036.6	4,103.3	4,039.8	14.3	14.3	-109.75	14.9	-515.4	125.7	106.8	18.97	6.630		
4,180.0	4,114.2	4,183.2	4,117.3	14.7	14.7	-109.30	15.5	-534.7	130.1	110.9	19.26	6.758		
4,200.0	4,133.6	4,203.1	4,136.7	14.8	14.8	-109.19	15.6	-539.6	131.2	111.9	19.33	6.789		
4,275.0	4,206.4	4,278.0	4,209.3	15.1	15.1	-108.79	16.1	-557.7	135.3	115.7	19.60	6.905		
4,300.0	4,230.7	4,303.0	4,233.6	15.3	15.3	-108.67	16.3	-563.7	136.7	117.0	19.69	6.942		
4,370.0	4,298.6	4,372.9	4,301.4	15.6	15.6	-108.33	16.7	-580.6	140.6	120.6	19.95	7.046		
4,400.0	4,327.7	4,402.8	4,330.4	15.7	15.7	-108.19	16.9	-587.9	142.2	122.1	20.06	7.090		
4,465.0	4,390.8	4,467.7	4,393.4	16.0	16.0	-107.90	17.4	-603.6	145.8	125.5	20.30	7.182		
4,500.0	4,424.7	4,502.7	4,427.3	16.2	16.2	-107.74	17.6	-612.0	147.7	127.3	20.43	7.231		
4,560.0	4,483.0	4,562.6	4,485.4	16.5	16.5	-107.49	18.0	-626.5	151.0	130.4	20.65	7.313		
4,600.0	4,521.8	4,602.5	4,524.2	16.6	16.7	-107.33	18.2	-636.2	153.2	132.4	20.80	7.367		
4,655.0	4,575.1	4,657.4	4,577.5	16.9	16.9	-107.12	18.6	-649.4	156.3	135.3	21.00	7.440		
4,700.0	4,618.8	4,702.4	4,621.1	17.1	17.1	-106.95	18.9	-660.3	158.7	137.6	21.17	7.498		
4,750.0	4,667.3	4,752.3	4,669.5	17.3	17.4	-106.77	19.2	-672.4	161.5	140.1	21.36	7.561		
4,800.0	4,715.8	4,802.2	4,717.9	17.6	17.6	-106.59	19.6	-684.5	164.3	142.7	21.55	7.624		
4,845.0	4,759.5	4,847.1	4,761.5	17.8	17.8	-106.44	19.9	-695.3	166.8	145.0	21.72	7.679		
4,900.0	4,812.9	4,902.0	4,814.8	18.0	18.1	-106.26	20.2	-708.6	169.8	147.9	21.92	7.745		
4,940.0	4,851.7	4,942.0	4,853.6	18.2	18.2	-106.13	20.5	-718.3	172.0	149.9	22.08	7.792		
5,000.0	4,909.9	5,001.9	4,911.7	18.5	18.5	-105.95	20.9	-732.8	175.3	153.0	22.30	7.862		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,035.0	4,943.8	5,036.8	4,945.6	18.7	18.7	-105.84	21.1	-741.2	177.3	154.8	22.44	7.902		
5,100.0	5,006.9	5,101.7	5,008.6	19.0	19.0	-105.65	21.5	-756.9	180.9	158.2	22.68	7.974		
5,130.0	5,036.0	5,131.7	5,037.6	19.1	19.1	-105.57	21.7	-764.1	182.6	159.8	22.80	8.007		
5,200.0	5,103.9	5,201.6	5,105.4	19.5	19.5	-105.38	22.2	-781.0	186.4	163.4	23.07	8.083		
5,225.0	5,128.2	5,226.5	5,129.7	19.6	19.6	-105.31	22.4	-787.1	187.8	164.7	23.16	8.109		
5,300.0	5,201.0	5,301.4	5,202.3	19.9	19.9	-105.12	22.9	-805.2	192.0	168.5	23.45	8.187		
5,320.0	5,220.4	5,321.4	5,221.7	20.0	20.0	-105.07	23.0	-810.0	193.1	169.6	23.53	8.207		
5,400.0	5,298.0	5,401.2	5,299.2	20.4	20.4	-104.87	23.5	-829.3	197.5	173.7	23.84	8.287		
5,415.0	5,312.6	5,416.2	5,313.7	20.5	20.5	-104.84	23.6	-832.9	198.4	174.5	23.90	8.302		
5,500.0	5,395.0	5,500.9	5,396.2	20.9	20.9	-105.10	24.1	-851.8	203.2	178.9	24.28	8.368		
5,510.0	5,404.7	5,510.8	5,406.0	20.9	20.9	-105.18	24.2	-853.9	203.7	179.4	24.33	8.374		
5,600.0	5,492.1	5,600.3	5,493.8	21.4	21.4	-106.27	24.7	-870.9	209.0	184.1	24.86	8.407		
5,605.0	5,496.9	5,605.2	5,498.7	21.4	21.4	-106.35	24.7	-871.8	209.2	184.4	24.89	8.408		
5,700.0	5,589.1	5,699.2	5,591.5	21.8	21.8	-108.27	25.1	-886.5	215.1	189.5	25.61	8.401		
5,795.0	5,681.3	5,792.7	5,684.2	22.3	22.2	-110.87	25.4	-898.2	221.6	195.1	26.53	8.352		
5,800.0	5,686.1	5,797.6	5,689.1	22.3	22.3	-111.02	25.4	-898.7	222.0	195.4	26.59	8.349		
5,890.0	5,773.4	5,885.3	5,776.4	22.8	22.6	-114.03	25.7	-906.7	229.1	201.4	27.71	8.268		
5,900.0	5,783.1	5,895.0	5,786.1	22.8	22.6	-114.39	25.7	-907.5	230.0	202.2	27.85	8.258		
5,985.0	5,865.6	5,977.0	5,867.9	23.2	22.9	-117.65	25.8	-912.3	238.1	208.9	29.16	8.164		
6,000.0	5,880.2	5,991.4	5,882.3	23.3	23.0	-118.25	25.8	-912.9	239.7	210.2	29.42	8.147		
6,080.0	5,957.8	6,067.5	5,958.4	23.7	23.1	-121.58	25.9	-914.9	248.9	218.1	30.86	8.065		
6,100.0	5,977.2	6,086.4	5,977.3	23.8	23.2	-122.44	25.9	-915.0	251.5	220.2	31.25	8.048		
6,175.0	6,050.0	6,158.7	6,049.6	24.1	23.2	-125.69	25.9	-915.1	261.8	229.1	32.70	8.006		
6,200.0	6,074.2	6,182.9	6,073.8	24.2	23.2	-126.73	25.9	-915.1	265.5	232.3	33.18	8.001		
6,270.0	6,142.2	6,250.8	6,141.8	24.6	23.3	-129.50	25.9	-915.1	276.1	241.6	34.49	8.006		
6,300.0	6,171.3	6,279.9	6,170.9	24.7	23.3	-130.62	25.9	-915.1	280.9	245.8	35.03	8.017		
6,365.0	6,234.3	6,343.0	6,233.9	25.0	23.3	-132.93	25.9	-915.1	291.5	255.4	36.18	8.058		
6,400.0	6,268.3	6,377.0	6,267.9	25.2	23.3	-134.11	25.9	-915.1	297.5	260.7	36.77	8.090		
6,460.0	6,326.5	6,435.2	6,326.1	25.5	23.3	-136.02	25.9	-915.1	307.9	270.1	37.75	8.156		
6,500.0	6,365.3	6,474.0	6,364.9	25.7	23.3	-137.23	25.9	-915.1	315.0	276.6	38.38	8.209		
6,555.0	6,418.7	6,527.4	6,418.3	25.9	23.3	-138.80	25.9	-915.1	325.0	285.8	39.21	8.291		
6,600.0	6,462.4	6,571.0	6,462.0	26.2	23.4	-140.02	25.9	-915.1	333.4	293.6	39.86	8.365		
6,650.0	6,510.9	6,619.6	6,510.5	26.4	23.4	-141.30	25.9	-915.1	342.9	302.3	40.55	8.455		
6,700.0	6,559.4	6,668.1	6,559.0	26.6	23.4	-142.52	25.9	-915.1	352.5	311.3	41.22	8.551		
6,745.0	6,603.0	6,711.7	6,602.6	26.9	23.4	-143.56	25.9	-915.1	361.3	319.5	41.80	8.643		
6,800.0	6,656.4	6,765.1	6,656.0	27.1	23.4	-144.76	25.9	-915.1	372.2	329.7	42.49	8.760		
6,840.0	6,695.2	6,803.9	6,694.8	27.3	23.4	-145.60	25.9	-915.1	380.2	337.3	42.97	8.849		
6,900.0	6,753.4	6,862.1	6,753.0	27.6	23.5	-146.78	25.9	-915.1	392.4	348.7	43.66	8.988		
6,935.0	6,787.4	6,896.1	6,787.0	27.8	23.5	-147.44	25.9	-915.1	399.6	355.5	44.05	9.071		
7,000.0	6,850.5	6,959.2	6,850.1	28.1	23.5	-148.61	25.9	-915.1	413.0	368.3	44.75	9.229		
7,030.0	6,879.6	6,988.3	6,879.2	28.2	23.5	-149.12	25.9	-915.1	419.3	374.2	45.07	9.303		
7,100.0	6,947.5	7,056.2	6,947.1	28.6	23.5	-150.26	25.9	-915.1	434.0	388.2	45.78	9.480		
7,125.0	6,971.8	7,080.4	6,971.4	28.7	23.5	-150.65	25.9	-915.1	439.3	393.3	46.03	9.544		
7,200.0	7,044.5	7,153.2	7,044.1	29.1	23.6	-151.76	25.9	-915.1	455.3	408.6	46.75	9.740		
7,220.0	7,063.9	7,172.6	7,063.5	29.2	23.6	-152.04	25.9	-915.1	459.6	412.7	46.94	9.792		
7,300.0	7,141.6	7,250.2	7,141.2	29.5	23.6	-153.13	25.9	-915.1	476.9	429.2	47.67	10.005		
7,315.0	7,156.1	7,264.8	7,155.7	29.6	23.6	-153.32	25.9	-915.1	480.2	432.4	47.80	10.045		
7,400.0	7,238.6	7,347.3	7,238.2	30.0	23.6	-154.38	25.9	-915.1	498.7	450.2	48.54	10.274		
7,410.0	7,248.3	7,357.0	7,247.9	30.1	23.6	-154.49	25.9	-915.1	500.9	452.3	48.63	10.301		
7,505.0	7,340.5	7,449.2	7,340.1	30.5	23.7	-155.58	25.9	-915.1	521.9	472.4	49.42	10.559		
7,508.6	7,343.9	7,452.6	7,343.5	30.6	23.7	-155.62	25.9	-915.1	522.7	473.2	49.45	10.568		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)		Ellipses (usft)			
7,600.0	7,433.0	7,541.7	7,432.6	31.0	23.7	-156.67	25.9	-915.1	541.7	491.5	50.17	10.796	
7,695.0	7,526.2	7,634.9	7,525.8	31.5	23.7	-157.55	25.9	-915.1	558.7	507.9	50.85	10.987	
7,700.0	7,531.1	7,639.8	7,530.7	31.5	23.7	-157.59	25.9	-915.1	559.6	508.7	50.89	10.996	
7,790.0	7,619.9	7,728.6	7,619.5	31.9	23.8	-158.25	25.9	-915.1	573.0	521.6	51.47	11.133	
7,800.0	7,629.8	7,738.5	7,629.4	31.9	23.8	-158.31	25.9	-915.1	574.4	522.8	51.53	11.145	
7,885.0	7,714.1	7,822.8	7,713.7	32.3	23.8	-158.77	25.9	-915.1	584.5	532.4	52.03	11.233	
7,900.0	7,729.0	7,837.7	7,728.6	32.4	23.8	-158.84	25.9	-915.1	586.0	533.9	52.11	11.245	
7,980.0	7,808.7	7,917.3	7,808.3	32.7	23.8	-159.15	25.9	-915.1	593.0	540.5	52.52	11.290	
8,000.0	7,828.6	7,937.3	7,828.2	32.8	23.8	-159.22	25.9	-915.1	594.4	541.8	52.62	11.296	
8,075.0	7,903.5	8,012.2	7,903.1	33.1	23.9	-159.40	25.9	-915.1	598.6	545.7	52.95	11.305	
8,100.0	7,928.4	8,037.1	7,928.0	33.1	23.9	-159.44	25.9	-915.1	599.6	546.5	53.06	11.301	
8,170.0	7,998.4	8,107.1	7,998.0	33.3	23.9	-159.51	25.9	-915.1	601.3	548.1	53.22	11.297	
8,208.6	8,037.0	8,145.7	8,036.6	33.3	23.9	125.39	25.9	-915.1	601.5	548.2	53.31	11.284	
8,265.0	8,093.4	8,202.1	8,093.0	33.3	23.9	125.39	25.9	-915.1	601.5	548.2	53.35	11.276	
8,300.0	8,128.4	8,237.1	8,128.0	33.4	23.9	125.39	25.9	-915.1	601.5	548.2	53.37	11.271	
8,360.0	8,188.4	8,297.1	8,188.0	33.4	24.0	125.39	25.9	-915.1	601.5	548.1	53.41	11.262	
8,400.0	8,228.4	8,337.1	8,228.0	33.4	24.0	125.39	25.9	-915.1	601.5	548.1	53.44	11.256	
8,455.0	8,283.4	8,392.1	8,283.0	33.4	24.0	125.39	25.9	-915.1	601.5	548.0	53.48	11.248	
8,500.0	8,328.4	8,437.1	8,328.0	33.4	24.0	125.39	25.9	-915.1	601.5	548.0	53.51	11.241	
8,550.0	8,378.4	8,487.1	8,378.0	33.4	24.0	125.39	25.9	-915.1	601.5	548.0	53.55	11.234	
8,600.0	8,428.4	8,537.1	8,428.0	33.4	24.1	125.39	25.9	-915.1	601.5	547.9	53.58	11.226	
8,645.0	8,473.4	8,582.1	8,473.0	33.4	24.1	125.39	25.9	-915.1	601.5	547.9	53.61	11.219	
8,700.0	8,528.4	8,637.1	8,528.0	33.5	24.1	125.39	25.9	-915.1	601.5	547.9	53.65	11.211	
8,740.0	8,568.4	8,677.1	8,568.0	33.5	24.1	125.39	25.9	-915.1	601.5	547.8	53.68	11.205	
8,800.0	8,628.4	8,737.1	8,628.0	33.5	24.1	125.39	25.9	-915.1	601.5	547.8	53.73	11.196	
8,835.0	8,663.4	8,772.1	8,663.0	33.5	24.1	125.39	25.9	-915.1	601.5	547.8	53.75	11.191	
8,900.0	8,728.4	8,837.1	8,728.0	33.5	24.2	125.39	25.9	-915.1	601.5	547.7	53.80	11.181	
8,930.0	8,758.4	8,867.1	8,758.0	33.5	24.2	125.39	25.9	-915.1	601.5	547.7	53.82	11.177	
9,000.0	8,828.4	8,937.1	8,828.0	33.5	24.2	125.39	25.9	-915.1	601.5	547.7	53.87	11.166	
9,025.0	8,853.4	8,962.1	8,853.0	33.5	24.2	125.39	25.9	-915.1	601.5	547.6	53.89	11.162	
9,100.0	8,928.4	9,037.1	8,928.0	33.6	24.2	125.39	25.9	-915.1	601.5	547.6	53.94	11.151	
9,120.0	8,948.4	9,057.1	8,948.0	33.6	24.3	125.39	25.9	-915.1	601.5	547.6	53.96	11.148	
9,200.0	9,028.4	9,137.1	9,028.0	33.6	24.3	125.39	25.9	-915.1	601.5	547.5	54.02	11.136	
9,215.0	9,043.4	9,152.1	9,043.0	33.6	24.3	125.39	25.9	-915.1	601.5	547.5	54.03	11.134	
9,300.0	9,128.4	9,237.1	9,128.0	33.6	24.3	125.39	25.9	-915.1	601.5	547.4	54.09	11.121	
9,310.0	9,138.4	9,247.1	9,138.0	33.6	24.3	125.39	25.9	-915.1	601.5	547.4	54.10	11.119	
9,400.0	9,228.4	9,337.1	9,228.0	33.6	24.4	125.39	25.9	-915.1	601.5	547.4	54.16	11.106	
9,405.0	9,233.4	9,342.1	9,233.0	33.6	24.4	125.39	25.9	-915.1	601.5	547.4	54.17	11.105	
9,500.0	9,328.4	9,437.1	9,328.0	33.7	24.4	125.39	25.9	-915.1	601.5	547.3	54.24	11.090	
9,595.0	9,423.4	9,532.1	9,423.0	33.7	24.4	125.39	25.9	-915.1	601.5	547.2	54.31	11.076	
9,600.0	9,428.4	9,537.1	9,428.0	33.7	24.4	125.39	25.9	-915.1	601.5	547.2	54.31	11.075	
9,690.0	9,518.4	9,627.1	9,518.0	33.7	24.5	125.39	25.9	-915.1	601.5	547.1	54.38	11.061	
9,700.0	9,528.4	9,637.1	9,528.0	33.7	24.5	125.39	25.9	-915.1	601.5	547.1	54.39	11.060	
9,785.0	9,613.4	9,722.1	9,613.0	33.8	24.5	125.39	25.9	-915.1	601.5	547.1	54.45	11.047	
9,800.0	9,628.4	9,737.1	9,628.0	33.8	24.5	125.39	25.9	-915.1	601.5	547.1	54.47	11.044	
9,880.0	9,708.4	9,817.1	9,708.0	33.8	24.6	125.39	25.9	-915.1	601.5	547.0	54.53	11.032	
9,900.0	9,728.4	9,837.1	9,728.0	33.8	24.6	125.39	25.9	-915.1	601.5	547.0	54.54	11.029	
9,934.6	9,763.0	9,871.7	9,762.6	33.8	24.6	125.39	25.9	-915.1	601.5	547.0	54.56	11.025	
9,950.0	9,778.4	9,887.1	9,778.0	33.8	24.6	125.50	25.9	-915.1	601.6	547.1	54.56	11.026	
9,975.0	9,803.4	9,912.1	9,803.0	33.8	24.6	125.54	25.9	-915.1	602.4	547.8	54.56	11.041	
10,000.0	9,828.3	9,937.0	9,827.9	33.8	24.6	125.61	25.9	-915.1	603.7	549.2	54.53	11.072	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Offset				Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance					
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside								Warning
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,050.0	9,877.6	9,986.3	9,877.2	33.8	24.6	125.83	25.9	-915.1	608.3	553.9	54.39	11.184		
10,070.0	9,897.2	10,005.8	9,896.8	33.8	24.6	125.94	25.9	-915.1	610.9	556.6	54.31	11.248		
10,100.0	9,926.1	10,034.8	9,925.7	33.8	24.6	126.13	25.9	-915.1	615.6	561.4	54.16	11.365		
10,150.0	9,973.4	10,088.3	9,979.2	33.8	24.7	126.65	26.0	-915.1	625.6	571.7	53.94	11.598		
10,165.0	9,987.3	10,133.1	10,023.9	33.8	24.7	127.49	28.4	-915.1	628.7	574.3	54.33	11.571		
10,200.0	10,019.0	10,244.8	10,133.4	33.8	24.7	128.99	49.7	-915.1	634.0	578.6	55.36	11.451		
10,250.0	10,062.7	10,386.6	10,262.8	33.8	24.7	129.64	106.8	-915.2	636.1	579.5	56.55	11.249		
10,260.0	10,071.2	10,449.1	10,314.8	33.8	24.7	129.54	141.2	-915.3	635.8	578.7	57.14	11.128		
10,300.0	10,104.2	10,581.9	10,410.8	33.8	24.7	128.37	232.7	-915.5	631.8	573.7	58.04	10.886		
10,350.0	10,143.0	10,731.5	10,490.3	33.9	24.8	125.60	358.8	-915.7	621.7	563.0	58.68	10.595		
10,355.0	10,146.7	10,745.2	10,495.9	33.9	24.8	125.28	371.3	-915.8	620.4	561.7	58.72	10.567		
10,400.0	10,178.9	10,857.7	10,530.2	33.9	24.9	122.11	478.3	-916.0	607.7	548.8	58.90	10.317		
10,450.0	10,211.7	10,940.7	10,541.4	33.9	25.0	119.58	560.4	-916.1	591.4	532.4	59.07	10.013		
10,500.0	10,241.0	11,011.2	10,543.1	33.9	25.1	117.33	630.9	-916.3	575.6	516.4	59.22	9.721		
10,545.0	10,264.3	11,049.8	10,543.3	33.9	25.2	116.58	669.5	-916.3	563.8	504.3	59.53	9.472		
10,550.0	10,266.8	11,054.2	10,543.3	33.9	25.2	116.49	673.9	-916.3	562.6	503.1	59.56	9.447		
10,600.0	10,288.6	11,099.2	10,543.5	34.0	25.3	115.60	718.9	-916.4	552.3	492.4	59.84	9.230		
10,640.0	10,303.3	11,136.5	10,543.7	34.0	25.3	114.91	756.2	-916.5	545.7	485.7	60.03	9.090		
10,650.0	10,306.5	11,146.0	10,543.7	34.0	25.4	114.74	765.7	-916.5	544.3	484.3	60.08	9.060		
10,700.0	10,320.3	11,194.1	10,543.9	34.0	25.4	114.01	813.8	-916.6	538.6	478.3	60.29	8.933		
10,735.0	10,327.4	11,228.4	10,544.1	34.1	25.5	113.60	848.1	-916.7	535.7	475.3	60.42	8.866		
10,750.0	10,329.8	11,243.2	10,544.1	34.1	25.5	113.46	862.9	-916.7	534.8	474.3	60.48	8.842		
10,800.0	10,335.0	11,292.9	10,544.3	34.1	25.6	113.15	912.6	-916.8	532.8	472.1	60.65	8.784		
10,830.0	10,336.0	11,322.9	10,544.5	34.1	25.7	113.10	942.6	-916.9	532.4	471.7	60.76	8.763		
10,832.2	10,336.0	11,325.1	10,544.5	34.1	25.7	113.10	944.8	-916.9	532.4	471.7	60.76	8.762		
10,832.3	10,336.0	11,325.2	10,544.5	34.1	25.7	113.10	944.9	-916.9	532.4	471.7	60.76	8.762		
10,900.0	10,336.3	11,392.9	10,544.7	34.2	25.9	113.10	1,012.6	-917.0	532.4	471.4	61.00	8.728		
10,925.0	10,336.4	11,417.9	10,544.8	34.2	25.9	113.10	1,037.6	-917.0	532.4	471.3	61.10	8.715		
11,000.0	10,336.7	11,492.9	10,545.2	34.3	26.1	113.10	1,112.6	-917.2	532.4	471.0	61.39	8.674		
11,020.0	10,336.8	11,512.9	10,545.2	34.3	26.2	113.10	1,132.6	-917.2	532.4	471.0	61.47	8.662		
11,100.0	10,337.1	11,592.9	10,545.6	34.5	26.4	113.10	1,212.6	-917.4	532.4	470.6	61.81	8.615		
11,115.0	10,337.2	11,607.9	10,545.6	34.5	26.4	113.10	1,227.6	-917.4	532.4	470.6	61.87	8.605		
11,200.0	10,337.5	11,692.9	10,546.0	34.6	26.7	113.10	1,312.6	-917.6	532.4	470.2	62.26	8.552		
11,210.0	10,337.6	11,702.9	10,546.0	34.6	26.7	113.10	1,322.6	-917.6	532.4	470.1	62.31	8.545		
11,300.0	10,337.9	11,792.9	10,546.4	34.8	27.0	113.10	1,412.6	-917.8	532.4	469.7	62.75	8.485		
11,305.0	10,338.0	11,797.9	10,546.4	34.8	27.0	113.10	1,417.6	-917.8	532.4	469.7	62.78	8.481		
11,400.0	10,338.4	11,892.9	10,546.8	35.0	27.3	113.10	1,512.6	-918.0	532.4	469.2	63.28	8.415		
11,495.0	10,338.7	11,987.9	10,547.2	35.2	27.6	113.10	1,607.6	-918.1	532.5	468.6	63.80	8.345		
11,500.0	10,338.8	11,992.9	10,547.3	35.2	27.6	113.10	1,612.6	-918.2	532.5	468.6	63.83	8.341		
11,590.0	10,339.1	12,082.9	10,547.6	35.4	28.0	113.10	1,702.6	-918.3	532.5	468.1	64.36	8.273		
11,600.0	10,339.2	12,092.9	10,547.7	35.4	28.0	113.10	1,712.6	-918.3	532.5	468.0	64.42	8.265		
11,685.0	10,339.5	12,177.9	10,548.0	35.6	28.3	113.10	1,797.6	-918.5	532.5	467.5	64.95	8.198		
11,700.0	10,339.6	12,192.9	10,548.1	35.6	28.4	113.10	1,812.6	-918.5	532.5	467.4	65.04	8.187		
11,780.0	10,339.9	12,272.9	10,548.4	35.8	28.7	113.10	1,892.6	-918.7	532.5	466.9	65.56	8.122		
11,800.0	10,340.0	12,292.9	10,548.5	35.9	28.8	113.10	1,912.6	-918.7	532.5	466.8	65.69	8.106		
11,875.0	10,340.3	12,367.9	10,548.8	36.1	29.1	113.10	1,987.6	-918.9	532.5	466.3	66.20	8.044		
11,900.0	10,340.4	12,392.9	10,548.9	36.1	29.2	113.10	2,012.6	-918.9	532.5	466.1	66.37	8.023		
11,970.0	10,340.7	12,462.9	10,549.2	36.3	29.5	113.10	2,082.6	-919.1	532.5	465.6	66.86	7.964		
12,000.0	10,340.8	12,492.9	10,549.4	36.4	29.6	113.10	2,112.6	-919.1	532.5	465.4	67.07	7.939		
12,065.0	10,341.1	12,557.9	10,549.6	36.6	29.9	113.10	2,177.6	-919.2	532.5	464.9	67.55	7.883		
12,100.0	10,341.3	12,592.9	10,549.8	36.7	30.0	113.10	2,212.6	-919.3	532.5	464.7	67.80	7.853		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,160.0	10,341.5	12,652.9	10,550.0	36.9	30.3	113.10	2,272.6	-919.4	532.5	464.2	68.26	7.801	
12,200.0	10,341.7	12,692.9	10,550.2	37.0	30.5	113.10	2,312.6	-919.5	532.5	463.9	68.56	7.766	
12,255.0	10,341.9	12,747.9	10,550.4	37.2	30.7	113.10	2,367.6	-919.6	532.5	463.5	68.99	7.718	
12,300.0	10,342.1	12,792.9	10,550.6	37.4	30.9	113.10	2,412.6	-919.7	532.5	463.1	69.35	7.678	
12,350.0	10,342.3	12,842.9	10,550.8	37.5	31.2	113.10	2,462.6	-919.8	532.5	462.7	69.75	7.634	
12,400.0	10,342.5	12,892.9	10,551.0	37.7	31.4	113.10	2,512.6	-919.9	532.5	462.3	70.16	7.590	
12,445.0	10,342.7	12,937.9	10,551.2	37.9	31.6	113.10	2,557.6	-920.0	532.5	462.0	70.53	7.550	
12,500.0	10,342.9	12,992.9	10,551.5	38.1	31.9	113.10	2,612.6	-920.1	532.5	461.5	70.99	7.501	
12,540.0	10,343.1	13,032.9	10,551.6	38.2	32.1	113.10	2,652.6	-920.2	532.5	461.2	71.33	7.465	
12,600.0	10,343.3	13,092.9	10,551.9	38.4	32.4	113.10	2,712.6	-920.3	532.5	460.6	71.85	7.412	
12,635.0	10,343.5	13,127.9	10,552.0	38.6	32.5	113.10	2,747.6	-920.3	532.5	460.3	72.15	7.380	
12,700.0	10,343.7	13,192.9	10,552.3	38.8	32.9	113.10	2,812.6	-920.5	532.5	459.8	72.72	7.322	
12,730.0	10,343.9	13,222.9	10,552.4	38.9	33.0	113.10	2,842.6	-920.5	532.5	459.5	72.99	7.295	
12,800.0	10,344.2	13,292.9	10,552.7	39.2	33.4	113.10	2,912.6	-920.7	532.5	458.9	73.62	7.233	
12,825.0	10,344.3	13,317.9	10,552.8	39.3	33.5	113.10	2,937.6	-920.7	532.5	458.7	73.85	7.210	
12,900.0	10,344.6	13,392.9	10,553.1	39.6	33.9	113.10	3,012.6	-920.9	532.5	458.0	74.54	7.144	
12,920.0	10,344.7	13,412.9	10,553.2	39.7	34.0	113.10	3,032.6	-920.9	532.5	457.8	74.73	7.126	
13,000.0	10,345.0	13,492.9	10,553.5	40.0	34.4	113.10	3,112.6	-921.0	532.5	457.0	75.48	7.055	
13,015.0	10,345.0	13,507.9	10,553.6	40.1	34.5	113.11	3,127.6	-921.1	532.5	456.9	75.62	7.042	
13,100.0	10,345.4	13,592.9	10,554.0	40.4	35.0	113.11	3,212.6	-921.2	532.5	456.1	76.44	6.967	
13,110.0	10,345.4	13,602.9	10,554.0	40.5	35.0	113.11	3,222.6	-921.3	532.5	456.0	76.54	6.958	
13,200.0	10,345.8	13,692.9	10,554.4	40.9	35.5	113.11	3,312.6	-921.4	532.5	455.1	77.41	6.879	
13,205.0	10,345.8	13,697.9	10,554.4	40.9	35.5	113.11	3,317.6	-921.4	532.5	455.1	77.46	6.874	
13,300.0	10,346.2	13,792.9	10,554.8	41.3	36.1	113.11	3,412.6	-921.6	532.5	454.1	78.41	6.792	
13,395.0	10,346.6	13,887.9	10,555.2	41.8	36.6	113.11	3,507.6	-921.8	532.5	453.2	79.37	6.710	
13,400.0	10,346.6	13,892.9	10,555.2	41.8	36.6	113.11	3,512.6	-921.8	532.5	453.1	79.42	6.705	
13,490.0	10,347.0	13,982.9	10,555.6	42.2	37.1	113.11	3,602.6	-922.0	532.5	452.2	80.34	6.628	
13,500.0	10,347.1	13,992.9	10,555.6	42.3	37.2	113.11	3,612.6	-922.0	532.5	452.1	80.45	6.620	
13,585.0	10,347.4	14,077.9	10,556.0	42.7	37.7	113.11	3,697.6	-922.2	532.5	451.2	81.33	6.548	
13,600.0	10,347.5	14,092.9	10,556.1	42.7	37.8	113.11	3,712.6	-922.2	532.5	451.0	81.49	6.535	
13,680.0	10,347.8	14,172.9	10,556.4	43.1	38.2	113.11	3,792.6	-922.4	532.5	450.2	82.34	6.468	
13,700.0	10,347.9	14,192.9	10,556.5	43.2	38.3	113.11	3,812.6	-922.4	532.5	450.0	82.55	6.451	
13,775.0	10,348.2	14,267.9	10,556.8	43.6	38.8	113.11	3,887.6	-922.5	532.5	449.2	83.35	6.389	
13,800.0	10,348.3	14,292.9	10,556.9	43.7	38.9	113.11	3,912.6	-922.6	532.5	448.9	83.62	6.369	
13,870.0	10,348.6	14,362.9	10,557.2	44.1	39.3	113.11	3,982.6	-922.7	532.5	448.2	84.38	6.311	
13,900.0	10,348.7	14,392.9	10,557.3	44.2	39.5	113.11	4,012.6	-922.8	532.5	447.8	84.71	6.287	
13,965.0	10,349.0	14,457.9	10,557.6	44.5	39.9	113.11	4,077.6	-922.9	532.5	447.1	85.42	6.234	
14,000.0	10,349.1	14,492.9	10,557.7	44.7	40.1	113.11	4,112.6	-923.0	532.5	446.7	85.81	6.206	
14,060.0	10,349.4	14,552.9	10,558.0	45.0	40.5	113.11	4,172.6	-923.1	532.6	446.1	86.47	6.159	
14,100.0	10,349.5	14,592.9	10,558.2	45.2	40.7	113.11	4,212.6	-923.2	532.6	445.6	86.92	6.127	
14,155.0	10,349.8	14,647.9	10,558.4	45.5	41.1	113.11	4,267.6	-923.3	532.6	445.0	87.54	6.084	
14,200.0	10,350.0	14,692.9	10,558.6	45.8	41.3	113.11	4,312.6	-923.4	532.6	444.5	88.04	6.049	
14,250.0	10,350.2	14,742.9	10,558.8	46.0	41.6	113.11	4,362.6	-923.5	532.6	443.9	88.61	6.010	
14,300.0	10,350.4	14,792.9	10,559.0	46.3	42.0	113.11	4,412.6	-923.6	532.6	443.4	89.18	5.972	
14,345.0	10,350.6	14,837.9	10,559.2	46.5	42.2	113.11	4,457.6	-923.6	532.6	442.9	89.70	5.937	
14,400.0	10,350.8	14,892.9	10,559.4	46.8	42.6	113.11	4,512.6	-923.7	532.6	442.2	90.33	5.896	
14,440.0	10,351.0	14,932.9	10,559.6	47.0	42.8	113.11	4,552.6	-923.8	532.6	441.8	90.79	5.866	
14,500.0	10,351.2	14,992.9	10,559.8	47.4	43.2	113.11	4,612.6	-923.9	532.6	441.1	91.49	5.821	
14,535.0	10,351.3	15,027.9	10,560.0	47.6	43.4	113.11	4,647.6	-924.0	532.6	440.7	91.90	5.795	
14,600.0	10,351.6	15,092.9	10,560.3	47.9	43.8	113.11	4,712.6	-924.1	532.6	439.9	92.66	5.748	
14,630.0	10,351.7	15,122.9	10,560.4	48.1	44.0	113.11	4,742.6	-924.2	532.6	439.6	93.01	5.726	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				(usft)	(usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,700.0	10,352.0	15,192.9	10,560.7	48.5	44.5	113.11	4,812.6	-924.3	532.6	438.7	93.84	5.675	
14,725.0	10,352.1	15,217.9	10,560.8	48.6	44.6	113.11	4,837.6	-924.4	532.6	438.4	94.14	5.657	
14,800.0	10,352.4	15,292.9	10,561.1	49.0	45.1	113.11	4,912.6	-924.5	532.6	437.5	95.03	5.604	
14,820.0	10,352.5	15,312.9	10,561.2	49.2	45.2	113.11	4,932.6	-924.6	532.6	437.3	95.27	5.590	
14,900.0	10,352.9	15,392.9	10,561.5	49.6	45.7	113.11	5,012.6	-924.7	532.6	436.4	96.23	5.534	
14,915.0	10,352.9	15,407.9	10,561.6	49.7	45.8	113.11	5,027.6	-924.7	532.6	436.2	96.41	5.524	
15,000.0	10,353.3	15,492.9	10,561.9	50.2	46.4	113.11	5,112.6	-924.9	532.6	435.1	97.44	5.466	
15,010.0	10,353.3	15,502.9	10,562.0	50.2	46.4	113.11	5,122.6	-924.9	532.6	435.0	97.56	5.459	
15,100.0	10,353.7	15,592.9	10,562.4	50.8	47.0	113.11	5,212.6	-925.1	532.6	433.9	98.66	5.398	
15,105.0	10,353.7	15,597.9	10,562.4	50.8	47.1	113.11	5,217.6	-925.1	532.6	433.9	98.72	5.395	
15,200.0	10,354.1	15,692.9	10,562.8	51.4	47.7	113.11	5,312.6	-925.3	532.6	432.7	99.89	5.332	
15,295.0	10,354.5	15,787.9	10,563.2	51.9	48.3	113.11	5,407.6	-925.5	532.6	431.5	101.06	5.270	
15,300.0	10,354.5	15,792.9	10,563.2	51.9	48.3	113.11	5,412.6	-925.5	532.6	431.5	101.12	5.267	
15,390.0	10,354.9	15,882.9	10,563.6	52.5	48.9	113.11	5,502.6	-925.7	532.6	430.4	102.24	5.209	
15,400.0	10,354.9	15,892.9	10,563.6	52.5	49.0	113.11	5,512.6	-925.7	532.6	430.2	102.36	5.203	
15,485.0	10,355.3	15,977.9	10,564.0	53.0	49.6	113.11	5,597.6	-925.8	532.6	429.2	103.43	5.150	
15,500.0	10,355.3	15,992.9	10,564.0	53.1	49.7	113.11	5,612.6	-925.9	532.6	429.0	103.62	5.140	
15,580.0	10,355.7	16,072.9	10,564.4	53.6	50.2	113.11	5,692.6	-926.0	532.6	428.0	104.62	5.091	
15,600.0	10,355.8	16,092.9	10,564.5	53.7	50.3	113.11	5,712.6	-926.1	532.6	427.7	104.87	5.079	
15,675.0	10,356.1	16,167.9	10,564.8	54.2	50.8	113.12	5,787.6	-926.2	532.6	426.8	105.82	5.033	
15,700.0	10,356.2	16,192.9	10,564.9	54.3	51.0	113.12	5,812.6	-926.3	532.6	426.5	106.14	5.018	
15,770.0	10,356.5	16,262.9	10,565.2	54.8	51.5	113.12	5,882.6	-926.4	532.6	425.6	107.03	4.976	
15,800.0	10,356.6	16,292.9	10,565.3	55.0	51.7	113.12	5,912.6	-926.4	532.6	425.2	107.41	4.959	
15,865.0	10,356.9	16,357.9	10,565.6	55.4	52.1	113.12	5,977.6	-926.6	532.6	424.4	108.24	4.921	
15,900.0	10,357.0	16,392.9	10,565.7	55.6	52.3	113.12	6,012.6	-926.6	532.6	423.9	108.69	4.900	
15,960.0	10,357.3	16,452.9	10,566.0	55.9	52.7	113.12	6,072.6	-926.8	532.6	423.2	109.46	4.866	
16,000.0	10,357.4	16,492.9	10,566.1	56.2	53.0	113.12	6,112.6	-926.8	532.6	422.7	109.97	4.843	
16,055.0	10,357.7	16,547.9	10,566.4	56.5	53.4	113.12	6,167.6	-926.9	532.6	421.9	110.68	4.812	
16,100.0	10,357.8	16,592.9	10,566.5	56.8	53.7	113.12	6,212.6	-927.0	532.6	421.4	111.27	4.787	
16,150.0	10,358.0	16,642.9	10,566.8	57.1	54.0	113.12	6,262.6	-927.1	532.6	420.7	111.91	4.759	
16,200.0	10,358.3	16,692.9	10,567.0	57.4	54.4	113.12	6,312.6	-927.2	532.6	420.1	112.56	4.732	
16,245.0	10,358.4	16,737.9	10,567.2	57.7	54.7	113.12	6,357.6	-927.3	532.6	419.5	113.15	4.707	
16,300.0	10,358.7	16,792.9	10,567.4	58.1	55.0	113.12	6,412.6	-927.4	532.6	418.8	113.87	4.678	
16,340.0	10,358.8	16,832.9	10,567.6	58.3	55.3	113.12	6,452.5	-927.5	532.6	418.2	114.39	4.656	
16,400.0	10,359.1	16,892.9	10,567.8	58.7	55.7	113.12	6,512.5	-927.6	532.6	417.5	115.18	4.625	
16,435.0	10,359.2	16,927.9	10,568.0	58.9	56.0	113.12	6,547.5	-927.7	532.6	417.0	115.64	4.606	
16,500.0	10,359.5	16,992.9	10,568.2	59.3	56.4	113.12	6,612.5	-927.8	532.6	416.2	116.49	4.572	
16,530.0	10,359.6	17,022.9	10,568.4	59.5	56.6	113.12	6,642.5	-927.9	532.6	415.8	116.89	4.557	
16,600.0	10,359.9	17,092.9	10,568.6	60.0	57.1	113.12	6,712.5	-928.0	532.6	414.8	117.81	4.521	
16,625.0	10,360.0	17,117.9	10,568.7	60.1	57.3	113.12	6,737.5	-928.0	532.6	414.5	118.14	4.509	
16,700.0	10,360.3	17,192.9	10,569.1	60.6	57.8	113.12	6,812.5	-928.2	532.7	413.5	119.13	4.471	
16,720.0	10,360.4	17,212.9	10,569.1	60.7	57.9	113.12	6,832.5	-928.2	532.7	413.3	119.40	4.461	
16,800.0	10,360.7	17,292.9	10,569.5	61.3	58.5	113.12	6,912.5	-928.4	532.7	412.2	120.46	4.422	
16,815.0	10,360.8	17,307.9	10,569.5	61.4	58.6	113.12	6,927.5	-928.4	532.7	412.0	120.66	4.414	
16,900.0	10,361.2	17,392.9	10,569.9	61.9	59.2	113.12	7,012.5	-928.6	532.7	410.9	121.80	4.373	
16,910.0	10,361.2	17,402.9	10,569.9	62.0	59.2	113.12	7,022.5	-928.6	532.7	410.7	121.93	4.369	
17,000.0	10,361.6	17,492.9	10,570.3	62.6	59.9	113.12	7,112.5	-928.8	532.7	409.5	123.14	4.326	
17,005.0	10,361.6	17,497.9	10,570.3	62.6	59.9	113.12	7,117.5	-928.8	532.7	409.5	123.20	4.323	
17,100.0	10,362.0	17,592.9	10,570.7	63.2	60.6	113.12	7,212.5	-929.0	532.7	408.2	124.48	4.279	
17,195.0	10,362.4	17,687.9	10,571.1	63.8	61.2	113.12	7,307.5	-929.1	532.7	406.9	125.76	4.236	
17,200.0	10,362.4	17,692.9	10,571.2	63.9	61.2	113.12	7,312.5	-929.2	532.7	406.8	125.83	4.233	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1													Offset Site Error: 3.0 usft	
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft	
Reference				Offset		Semi Major Axis			Distance		Rule Assigned:			
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
17,290.0	10,362.8	17,782.9	10,571.5	64.5	61.9	113.12	7,402.5	-929.3	532.7	405.6	127.04	4.193		
17,300.0	10,362.8	17,792.9	10,571.6	64.5	61.9	113.12	7,412.5	-929.3	532.7	405.5	127.18	4.188		
17,385.0	10,363.2	17,877.9	10,571.9	65.1	62.5	113.12	7,497.5	-929.5	532.7	404.3	128.33	4.151		
17,400.0	10,363.2	17,892.9	10,572.0	65.2	62.6	113.12	7,512.5	-929.5	532.7	404.1	128.53	4.144		
17,480.0	10,363.6	17,972.9	10,572.3	65.7	63.2	113.12	7,592.5	-929.7	532.7	403.1	129.62	4.110		
17,500.0	10,363.6	17,992.9	10,572.4	65.8	63.4	113.12	7,612.5	-929.7	532.7	402.8	129.89	4.101		
17,575.0	10,364.0	18,067.9	10,572.7	66.3	63.9	113.12	7,687.5	-929.9	532.7	401.8	130.91	4.069		
17,600.0	10,364.1	18,092.9	10,572.8	66.5	64.1	113.12	7,712.5	-929.9	532.7	401.4	131.25	4.058		
17,670.0	10,364.3	18,162.9	10,573.1	67.0	64.5	113.12	7,782.5	-930.1	532.7	400.5	132.21	4.029		
17,700.0	10,364.5	18,192.9	10,573.3	67.2	64.8	113.12	7,812.5	-930.1	532.7	400.1	132.62	4.017		
17,765.0	10,364.7	18,257.9	10,573.5	67.6	65.2	113.12	7,877.5	-930.2	532.7	399.2	133.51	3.990		
17,800.0	10,364.9	18,292.9	10,573.7	67.8	65.5	113.12	7,912.5	-930.3	532.7	398.7	133.99	3.976		
17,860.0	10,365.1	18,352.9	10,573.9	68.2	65.9	113.12	7,972.5	-930.4	532.7	397.9	134.82	3.951		
17,900.0	10,365.3	18,392.9	10,574.1	68.5	66.2	113.12	8,012.5	-930.5	532.7	397.3	135.37	3.935		
17,955.0	10,365.5	18,447.9	10,574.3	68.9	66.6	113.12	8,067.5	-930.6	532.7	396.6	136.12	3.913		
18,000.0	10,365.7	18,492.9	10,574.5	69.2	66.9	113.12	8,112.5	-930.7	532.7	396.0	136.74	3.896		
18,050.0	10,365.9	18,542.9	10,574.7	69.5	67.2	113.12	8,162.5	-930.8	532.7	395.3	137.43	3.876		
18,100.0	10,366.1	18,592.9	10,574.9	69.9	67.6	113.12	8,212.5	-930.9	532.7	394.6	138.12	3.857		
18,145.0	10,366.3	18,637.9	10,575.1	70.2	67.9	113.12	8,257.5	-931.0	532.7	394.0	138.75	3.839		
18,200.0	10,366.5	18,692.9	10,575.4	70.5	68.3	113.12	8,312.5	-931.1	532.7	393.2	139.51	3.819		
18,240.0	10,366.7	18,732.9	10,575.5	70.8	68.6	113.12	8,352.5	-931.2	532.7	392.6	140.06	3.803		
18,300.0	10,367.0	18,792.9	10,575.8	71.2	69.0	113.13	8,412.5	-931.3	532.7	391.8	140.89	3.781		
18,335.0	10,367.1	18,827.9	10,575.9	71.4	69.3	113.13	8,447.5	-931.3	532.7	391.3	141.38	3.768		
18,400.0	10,367.4	18,892.9	10,576.2	71.9	69.7	113.13	8,512.5	-931.5	532.7	390.4	142.28	3.744		
18,430.0	10,367.5	18,922.9	10,576.3	72.1	69.9	113.13	8,542.5	-931.5	532.7	390.0	142.70	3.733		
18,500.0	10,367.8	18,992.9	10,576.6	72.6	70.4	113.13	8,612.5	-931.7	532.7	389.0	143.68	3.708		
18,525.0	10,367.9	19,017.9	10,576.7	72.7	70.6	113.13	8,637.5	-931.7	532.7	388.7	144.02	3.699		
18,600.0	10,368.2	19,092.9	10,577.0	73.3	71.2	113.13	8,712.5	-931.9	532.7	387.7	145.07	3.672		
18,620.0	10,368.3	19,112.9	10,577.1	73.4	71.3	113.13	8,732.5	-931.9	532.7	387.4	145.35	3.665		
18,700.0	10,368.6	19,192.9	10,577.4	73.9	71.9	113.13	8,812.5	-932.0	532.7	386.3	146.47	3.637		
18,715.0	10,368.7	19,207.9	10,577.5	74.0	72.0	113.13	8,827.5	-932.1	532.7	386.0	146.68	3.632		
18,800.0	10,369.0	19,292.9	10,577.9	74.6	72.6	113.13	8,912.5	-932.2	532.7	384.9	147.87	3.603		
18,810.0	10,369.1	19,302.9	10,577.9	74.7	72.7	113.13	8,922.5	-932.3	532.7	384.7	148.01	3.599		
18,900.0	10,369.4	19,392.9	10,578.3	75.3	73.3	113.13	9,012.5	-932.4	532.7	383.5	149.27	3.569		
18,905.0	10,369.5	19,397.9	10,578.3	75.3	73.3	113.13	9,017.5	-932.4	532.7	383.4	149.34	3.567		
19,000.0	10,369.9	19,492.9	10,578.7	76.0	74.0	113.13	9,112.5	-932.6	532.7	382.1	150.68	3.536		
19,095.0	10,370.3	19,587.9	10,579.1	76.7	74.7	113.13	9,207.5	-932.8	532.7	380.7	152.02	3.505		
19,100.0	10,370.3	19,592.9	10,579.1	76.7	74.7	113.13	9,212.5	-932.8	532.7	380.7	152.09	3.503		
19,190.0	10,370.6	19,682.9	10,579.5	77.3	75.4	113.13	9,302.5	-933.0	532.7	379.4	153.36	3.474		
19,200.0	10,370.7	19,692.9	10,579.5	77.4	75.5	113.13	9,312.5	-933.0	532.7	379.3	153.50	3.471		
19,285.0	10,371.0	19,777.9	10,579.9	78.0	76.1	113.13	9,397.5	-933.2	532.8	378.1	154.70	3.444		
19,300.0	10,371.1	19,792.9	10,580.0	78.1	76.2	113.13	9,412.5	-933.2	532.8	377.8	154.91	3.439		
19,380.0	10,371.4	19,872.9	10,580.3	78.6	76.8	113.13	9,492.5	-933.4	532.8	376.7	156.04	3.414		
19,400.0	10,371.5	19,892.9	10,580.4	78.8	76.9	113.13	9,512.5	-933.4	532.8	376.4	156.33	3.408		
19,475.0	10,371.8	19,967.9	10,580.7	79.3	77.4	113.13	9,587.5	-933.5	532.8	375.4	157.39	3.385		
19,500.0	10,371.9	19,992.9	10,580.8	79.5	77.6	113.13	9,612.5	-933.6	532.8	375.0	157.74	3.377		
19,570.0	10,372.2	20,062.9	10,581.1	80.0	78.1	113.13	9,682.5	-933.7	532.8	374.0	158.74	3.356		
19,600.0	10,372.3	20,092.9	10,581.2	80.2	78.4	113.13	9,712.5	-933.8	532.8	373.6	159.16	3.347		
19,665.0	10,372.6	20,157.9	10,581.5	80.6	78.8	113.13	9,777.5	-933.9	532.8	372.7	160.09	3.328		
19,700.0	10,372.8	20,192.9	10,581.6	80.9	79.1	113.13	9,812.5	-934.0	532.8	372.2	160.58	3.318		
19,760.0	10,373.0	20,252.9	10,581.9	81.3	79.5	113.13	9,872.5	-934.1	532.8	371.3	161.44	3.300		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1												Offset Site Error:	3.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
19,800.0	10,373.2	20,292.9	10,582.1	81.6	79.8	113.13	9,912.5	-934.2	532.8	370.8	162.01	3.289	
19,855.0	10,373.4	20,347.9	10,582.3	81.9	80.2	113.13	9,967.5	-934.3	532.8	370.0	162.79	3.273	
19,900.0	10,373.6	20,392.9	10,582.5	82.3	80.5	113.13	10,012.5	-934.4	532.8	369.3	163.43	3.260	
19,950.0	10,373.8	20,442.9	10,582.7	82.6	80.9	113.13	10,062.5	-934.5	532.8	368.6	164.15	3.246	
20,000.0	10,374.0	20,492.9	10,582.9	83.0	81.3	113.13	10,112.5	-934.6	532.8	367.9	164.86	3.232	
20,045.0	10,374.2	20,537.9	10,583.1	83.3	81.6	113.13	10,157.5	-934.6	532.8	367.3	165.50	3.219	
20,100.0	10,374.4	20,592.9	10,583.3	83.7	82.0	113.13	10,212.5	-934.7	532.8	366.5	166.29	3.204	
20,140.0	10,374.6	20,632.9	10,583.5	83.9	82.3	113.13	10,252.5	-934.8	532.8	365.9	166.86	3.193	
20,200.0	10,374.8	20,692.9	10,583.7	84.4	82.7	113.13	10,312.5	-934.9	532.8	365.1	167.72	3.177	
20,235.0	10,375.0	20,727.9	10,583.9	84.6	83.0	113.13	10,347.5	-935.0	532.8	364.6	168.22	3.167	
20,300.0	10,375.2	20,792.9	10,584.2	85.1	83.4	113.13	10,412.5	-935.1	532.8	363.6	169.15	3.150	
20,330.0	10,375.4	20,822.9	10,584.3	85.3	83.7	113.13	10,442.5	-935.2	532.8	363.2	169.58	3.142	
20,400.0	10,375.7	20,892.9	10,584.6	85.8	84.2	113.13	10,512.5	-935.3	532.8	362.2	170.59	3.123	
20,425.0	10,375.8	20,917.9	10,584.7	86.0	84.4	113.13	10,537.5	-935.4	532.8	361.8	170.95	3.117	
20,500.0	10,376.1	20,992.9	10,585.0	86.5	84.9	113.13	10,612.5	-935.5	532.8	360.8	172.02	3.097	
20,520.0	10,376.2	21,012.9	10,585.1	86.6	85.0	113.13	10,632.5	-935.6	532.8	360.5	172.31	3.092	
20,600.0	10,376.5	21,092.9	10,585.4	87.2	85.6	113.13	10,712.5	-935.7	532.8	359.3	173.46	3.072	
20,615.0	10,376.6	21,107.9	10,585.5	87.3	85.7	113.13	10,727.5	-935.7	532.8	359.1	173.68	3.068	
20,700.0	10,376.9	21,192.9	10,585.8	87.9	86.4	113.13	10,812.5	-935.9	532.8	357.9	174.90	3.046	
20,710.0	10,376.9	21,202.9	10,585.9	88.0	86.4	113.13	10,822.5	-935.9	532.8	357.8	175.04	3.044	
20,800.0	10,377.3	21,292.9	10,586.3	88.6	87.1	113.13	10,912.5	-936.1	532.8	356.5	176.34	3.021	
20,805.0	10,377.3	21,297.9	10,586.3	88.6	87.1	113.13	10,917.5	-936.1	532.8	356.4	176.41	3.020	
20,900.0	10,377.7	21,392.9	10,586.7	89.3	87.8	113.13	11,012.5	-936.3	532.8	355.0	177.78	2.997	
20,995.0	10,378.1	21,487.9	10,587.1	90.0	88.5	113.14	11,107.5	-936.5	532.8	353.7	179.16	2.974	
21,000.0	10,378.1	21,492.9	10,587.1	90.0	88.6	113.14	11,112.5	-936.5	532.8	353.6	179.23	2.973	
21,090.0	10,378.5	21,582.9	10,587.5	90.7	89.2	113.14	11,202.5	-936.7	532.8	352.3	180.53	2.951	
21,100.0	10,378.6	21,592.9	10,587.5	90.7	89.3	113.14	11,212.5	-936.7	532.8	352.1	180.67	2.949	
21,185.0	10,378.9	21,677.9	10,587.9	91.3	89.9	113.14	11,297.5	-936.8	532.8	350.9	181.90	2.929	
21,200.0	10,379.0	21,692.9	10,587.9	91.5	90.0	113.14	11,312.5	-936.9	532.8	350.7	182.12	2.926	
21,280.0	10,379.3	21,772.9	10,588.3	92.0	90.6	113.14	11,392.5	-937.0	532.8	349.5	183.28	2.907	
21,300.0	10,379.4	21,792.9	10,588.4	92.2	90.8	113.14	11,412.5	-937.1	532.8	349.3	183.57	2.903	
21,375.0	10,379.7	21,867.9	10,588.7	92.7	91.3	113.14	11,487.5	-937.2	532.8	348.2	184.65	2.886	
21,400.0	10,379.8	21,892.9	10,588.8	92.9	91.5	113.14	11,512.5	-937.3	532.8	347.8	185.02	2.880	
21,470.0	10,380.1	21,962.9	10,589.1	93.4	92.0	113.14	11,582.5	-937.4	532.8	346.8	186.03	2.864	
21,500.0	10,380.2	21,992.9	10,589.2	93.6	92.2	113.14	11,612.5	-937.4	532.8	346.4	186.47	2.858	
21,565.0	10,380.5	22,057.9	10,589.5	94.1	92.7	113.14	11,677.5	-937.6	532.8	345.4	187.41	2.843	
21,600.0	10,380.6	22,092.9	10,589.6	94.3	93.0	113.14	11,712.5	-937.6	532.8	344.9	187.92	2.835	
21,660.0	10,380.9	22,152.9	10,589.9	94.7	93.4	113.14	11,772.5	-937.8	532.8	344.0	188.79	2.822	
21,700.0	10,381.1	22,192.9	10,590.0	95.0	93.7	113.14	11,812.5	-937.8	532.8	343.5	189.37	2.814	
21,755.0	10,381.3	22,247.9	10,590.3	95.4	94.1	113.14	11,867.5	-937.9	532.8	342.7	190.17	2.802	
21,800.0	10,381.5	22,292.9	10,590.4	95.7	94.4	113.14	11,912.5	-938.0	532.8	342.0	190.83	2.792	
21,850.0	10,381.7	22,342.9	10,590.7	96.1	94.8	113.14	11,962.5	-938.1	532.8	341.3	191.56	2.782	
21,900.0	10,381.9	22,392.9	10,590.9	96.5	95.2	113.14	12,012.5	-938.2	532.9	340.6	192.28	2.771	
21,945.0	10,382.1	22,437.9	10,591.1	96.8	95.5	113.14	12,057.5	-938.3	532.9	339.9	192.94	2.762	
22,000.0	10,382.3	22,492.9	10,591.3	97.2	95.9	113.14	12,112.5	-938.4	532.9	339.1	193.74	2.750	
22,040.1	10,382.5	22,533.0	10,591.5	97.5	96.2	113.14	12,152.6	-938.5	532.9	338.5	194.32	2.742	
22,100.0	10,382.7	22,592.9	10,591.7	97.9	96.6	113.14	12,212.5	-938.6	532.9	337.7	195.20	2.730	
22,135.0	10,382.9	22,627.9	10,591.9	98.1	96.9	113.14	12,247.5	-938.7	532.9	337.2	195.70	2.723	
22,170.0	10,383.0	22,662.9	10,592.0	98.4	97.2	113.14	12,282.5	-938.7	532.9	336.6	196.21	2.716	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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:		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		
6,270.0	6,142.2	6,598.9	6,461.2	24.6	26.2	-27.94	38.6	-2,280.8	1,306.0	1,258.6	47.40	27.553		
6,300.0	6,171.3	6,625.4	6,487.0	24.7	26.3	-28.17	38.3	-2,274.4	1,292.8	1,245.2	47.61	27.155		
6,365.0	6,234.3	6,682.9	6,542.7	25.0	26.6	-28.68	37.5	-2,260.5	1,264.3	1,216.2	48.06	26.308		
6,400.0	6,268.3	6,713.8	6,572.8	25.2	26.7	-28.96	37.1	-2,253.0	1,248.9	1,200.6	48.29	25.861		
6,460.0	6,326.5	6,766.9	6,624.2	25.5	27.0	-29.46	36.5	-2,240.2	1,222.7	1,174.0	48.70	25.109		
6,500.0	6,365.3	6,802.2	6,658.6	25.7	27.1	-29.81	36.0	-2,231.6	1,205.3	1,156.3	48.96	24.619		
6,555.0	6,418.7	6,850.9	6,705.7	25.9	27.4	-30.30	35.4	-2,219.9	1,181.3	1,132.0	49.31	23.957		
6,600.0	6,462.4	6,890.6	6,744.4	26.2	27.6	-30.72	34.9	-2,210.3	1,161.8	1,112.2	49.59	23.427		
6,650.0	6,510.9	6,934.9	6,787.2	26.4	27.8	-31.20	34.3	-2,199.6	1,140.2	1,090.3	49.90	22.849		
6,700.0	6,559.4	6,979.1	6,830.1	26.6	28.0	-31.69	33.7	-2,188.9	1,118.7	1,068.5	50.20	22.283		
6,745.0	6,603.0	7,018.8	6,868.8	26.9	28.2	-32.16	33.2	-2,179.3	1,099.3	1,048.9	50.47	21.784		
6,800.0	6,656.4	7,067.5	6,915.9	27.1	28.4	-32.74	32.6	-2,167.6	1,075.8	1,025.0	50.78	21.188		
6,840.0	6,695.2	7,102.8	6,950.3	27.3	28.6	-33.19	32.1	-2,159.0	1,058.8	1,007.8	50.99	20.762		
6,900.0	6,753.4	7,155.9	7,001.7	27.6	28.8	-33.88	31.5	-2,146.2	1,033.3	982.0	51.31	20.139		
6,935.0	6,787.4	7,186.8	7,031.8	27.8	29.0	-34.30	31.1	-2,138.7	1,018.5	967.0	51.48	19.783		
7,000.0	6,850.5	7,244.3	7,087.5	28.1	29.3	-35.10	30.3	-2,124.8	991.1	939.3	51.79	19.136		
7,030.0	6,879.6	7,270.8	7,113.3	28.2	29.4	-35.49	30.0	-2,118.4	978.6	926.6	51.93	18.844		
7,100.0	6,947.5	7,332.7	7,173.3	28.6	29.7	-36.43	29.2	-2,103.5	949.4	897.2	52.22	18.180		
7,125.0	6,971.8	7,354.8	7,194.8	28.7	29.8	-36.78	28.9	-2,098.1	939.0	886.7	52.32	17.948		
7,200.0	7,044.5	7,421.2	7,259.1	29.1	30.1	-37.87	28.1	-2,082.1	908.2	855.6	52.59	17.270		
7,220.0	7,063.9	7,438.8	7,276.3	29.2	30.2	-38.18	27.8	-2,077.8	900.0	847.3	52.65	17.094		
7,300.0	7,141.6	7,509.6	7,344.9	29.5	30.6	-39.44	26.9	-2,060.8	867.5	814.6	52.87	16.407		
7,315.0	7,156.1	7,522.8	7,357.8	29.6	30.6	-39.69	26.8	-2,057.6	861.4	808.5	52.91	16.282		
7,400.0	7,238.6	7,598.0	7,430.7	30.0	31.0	-41.16	25.8	-2,039.4	827.4	774.4	53.07	15.592		
7,410.0	7,248.3	7,602.3	7,434.9	30.1	31.0	-41.24	25.7	-2,038.3	823.5	770.4	53.12	15.502		
7,505.0	7,340.5	7,673.5	7,504.2	30.5	31.4	-42.71	24.9	-2,022.0	787.1	733.8	53.33	14.761		
7,508.6	7,343.9	7,676.1	7,506.7	30.6	31.4	-42.77	24.8	-2,021.5	785.8	732.5	53.33	14.734		
7,600.0	7,433.0	7,743.2	7,572.4	31.0	31.7	-43.66	24.1	-2,007.7	754.3	700.8	53.49	14.102		
7,695.0	7,526.2	7,815.4	7,643.4	31.5	32.0	-44.59	23.4	-1,994.6	726.2	672.5	53.62	13.543		
7,700.0	7,531.1	7,819.3	7,647.2	31.5	32.1	-44.63	23.4	-1,993.9	724.8	671.2	53.62	13.517		
7,790.0	7,619.9	7,889.8	7,716.9	31.9	32.4	-45.46	22.8	-1,983.0	702.7	648.9	53.73	13.078		
7,800.0	7,629.8	7,900.0	7,726.9	31.9	32.4	-45.58	22.7	-1,981.5	700.4	646.7	53.73	13.037		
7,885.0	7,714.1	7,966.1	7,792.5	32.3	32.7	-46.24	22.3	-1,973.0	683.7	629.9	53.84	12.699		
7,900.0	7,729.0	7,978.3	7,804.7	32.4	32.8	-46.35	22.2	-1,971.6	681.1	627.3	53.86	12.646		
7,980.0	7,808.7	8,044.0	7,870.0	32.7	33.0	-46.88	21.8	-1,965.0	669.3	615.3	53.98	12.398		
8,000.0	7,828.6	8,060.6	7,886.5	32.8	33.1	-46.99	21.8	-1,963.5	666.8	612.8	54.02	12.343		
8,075.0	7,903.5	8,123.1	7,948.8	33.1	33.3	-47.35	21.5	-1,959.0	659.3	605.1	54.18	12.168		
8,100.0	7,928.4	8,144.0	7,969.7	33.1	33.4	-47.44	21.5	-1,957.7	657.3	603.1	54.24	12.119		
8,170.0	7,998.4	8,200.0	8,025.6	33.3	33.6	-47.61	21.3	-1,955.2	653.6	599.2	54.39	12.016		
8,208.6	8,037.0	8,235.4	8,061.1	33.3	33.7	-122.75	21.3	-1,954.1	652.5	598.0	54.46	11.980		
8,265.0	8,093.4	8,283.1	8,108.7	33.3	33.8	-122.79	21.2	-1,953.4	651.8	597.3	54.53	11.953		
8,298.7	8,127.1	8,313.2	8,138.8	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.2	54.57	11.943		
8,300.0	8,128.4	8,314.5	8,140.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.2	54.57	11.943		
8,360.0	8,188.4	8,374.5	8,200.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.1	54.61	11.935		
8,400.0	8,228.4	8,414.5	8,240.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.1	54.63	11.930		
8,455.0	8,283.4	8,469.5	8,295.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.1	54.66	11.922		
8,500.0	8,328.4	8,514.5	8,340.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.0	54.69	11.916		
8,550.0	8,378.4	8,564.5	8,390.1	33.4	33.8	-122.79	21.2	-1,953.4	651.7	597.0	54.72	11.909		
8,600.0	8,428.4	8,614.5	8,440.1	33.4	33.9	-122.79	21.2	-1,953.4	651.7	597.0	54.76	11.903		
8,645.0	8,473.4	8,659.5	8,485.1	33.4	33.9	-122.79	21.2	-1,953.4	651.7	596.9	54.78	11.896		
8,700.0	8,528.4	8,714.5	8,540.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.9	54.82	11.889		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor		
8,740.0	8,568.4	8,754.5	8,580.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.9	54.84	11.883		
8,800.0	8,628.4	8,814.5	8,640.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.8	54.88	11.875		
8,835.0	8,663.4	8,849.5	8,675.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.8	54.90	11.870		
8,900.0	8,728.4	8,914.5	8,740.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.8	54.95	11.861		
8,930.0	8,758.4	8,944.5	8,770.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.8	54.97	11.857		
9,000.0	8,828.4	9,014.5	8,840.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.7	55.01	11.847		
9,025.0	8,853.4	9,039.5	8,865.1	33.5	33.9	-122.79	21.2	-1,953.4	651.7	596.7	55.03	11.844		
9,100.0	8,928.4	9,114.5	8,940.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.7	55.08	11.833		
9,120.0	8,948.4	9,134.5	8,960.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.6	55.09	11.831		
9,200.0	9,028.4	9,214.5	9,040.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.6	55.14	11.819		
9,215.0	9,043.4	9,229.5	9,055.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.6	55.15	11.817		
9,300.0	9,128.4	9,314.5	9,140.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.5	55.21	11.805		
9,310.0	9,138.4	9,324.5	9,150.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.5	55.21	11.804		
9,400.0	9,228.4	9,414.5	9,240.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.5	55.27	11.791		
9,405.0	9,233.4	9,419.5	9,245.1	33.6	34.0	-122.79	21.2	-1,953.4	651.7	596.5	55.28	11.791		
9,500.0	9,328.4	9,514.5	9,340.1	33.7	34.1	-122.79	21.2	-1,953.4	651.7	596.4	55.34	11.777		
9,595.0	9,423.4	9,609.5	9,435.1	33.7	34.1	-122.79	21.2	-1,953.4	651.7	596.3	55.40	11.764		
9,600.0	9,428.4	9,614.5	9,440.1	33.7	34.1	-122.79	21.2	-1,953.4	651.7	596.3	55.40	11.763		
9,690.0	9,518.4	9,704.5	9,530.1	33.7	34.1	-122.79	21.2	-1,953.4	651.7	596.3	55.47	11.750		
9,700.0	9,528.4	9,714.5	9,540.1	33.7	34.1	-122.79	21.2	-1,953.4	651.7	596.3	55.47	11.749		
9,785.0	9,613.4	9,799.5	9,625.1	33.8	34.1	-122.79	21.2	-1,953.4	651.7	596.2	55.53	11.737		
9,800.0	9,628.4	9,814.5	9,640.1	33.8	34.1	-122.79	21.2	-1,953.4	651.7	596.2	55.54	11.735		
9,880.0	9,708.4	9,894.5	9,720.1	33.8	34.1	-122.79	21.2	-1,953.4	651.7	596.1	55.59	11.723		
9,900.0	9,728.4	9,914.5	9,740.1	33.8	34.1	-122.79	21.2	-1,953.4	651.7	596.1	55.61	11.720		
9,934.6	9,763.0	9,949.1	9,774.7	33.8	34.2	-122.79	21.2	-1,953.4	651.7	596.1	55.62	11.717		
9,950.0	9,778.4	9,964.5	9,790.1	33.8	34.2	-122.69	21.2	-1,953.4	651.8	596.2	55.62	11.720		
9,975.0	9,803.4	9,989.5	9,815.1	33.8	34.2	-122.72	21.2	-1,953.4	652.5	596.9	55.59	11.737		
10,000.0	9,828.3	10,014.4	9,840.0	33.8	34.2	-122.79	21.2	-1,953.4	653.7	598.2	55.52	11.775		
10,050.0	9,877.6	10,063.7	9,889.3	33.8	34.2	-122.99	21.2	-1,953.4	658.1	602.8	55.27	11.907		
10,070.0	9,897.2	10,083.2	9,908.9	33.8	34.2	-123.10	21.2	-1,953.4	660.5	605.3	55.12	11.982		
10,100.0	9,926.1	10,112.2	9,937.8	33.8	34.2	-123.28	21.2	-1,953.4	664.8	610.0	54.86	12.119		
10,150.0	9,973.4	10,186.5	10,012.0	33.8	34.2	-124.14	23.9	-1,953.4	673.1	618.7	54.42	12.370		
10,165.0	9,987.3	10,257.3	10,082.0	33.8	34.2	-125.17	34.1	-1,953.4	675.1	620.6	54.50	12.389		
10,200.0	10,019.0	10,338.7	10,159.9	33.8	34.2	-125.71	57.2	-1,953.4	677.6	623.0	54.62	12.407		
10,250.0	10,062.7	10,532.4	10,327.0	33.8	34.2	-125.52	153.3	-1,953.7	676.3	620.5	55.86	12.107		
10,260.0	10,071.2	10,537.2	10,330.5	33.8	34.2	-125.51	156.7	-1,953.7	675.3	619.4	55.88	12.085		
10,300.0	10,104.2	10,684.9	10,430.1	33.8	34.3	-123.59	265.1	-1,953.9	669.6	612.3	57.38	11.670		
10,350.0	10,143.0	10,818.2	10,493.3	33.9	34.3	-120.69	382.2	-1,954.2	658.8	599.7	59.06	11.153		
10,355.0	10,146.7	10,830.4	10,497.7	33.9	34.3	-120.37	393.5	-1,954.2	657.5	598.3	59.23	11.100		
10,400.0	10,178.9	10,930.8	10,524.5	33.9	34.4	-117.44	490.2	-1,954.4	645.3	584.5	60.72	10.627		
10,450.0	10,211.7	11,025.3	10,533.9	33.9	34.5	-114.21	584.1	-1,954.6	630.5	568.3	62.26	10.127		
10,500.0	10,241.0	11,070.2	10,534.1	33.9	34.5	-113.22	628.9	-1,954.7	616.7	553.5	63.16	9.765		
10,545.0	10,264.3	11,108.7	10,534.3	33.9	34.6	-112.43	667.5	-1,954.8	606.5	542.7	63.82	9.503		
10,550.0	10,266.8	11,113.1	10,534.3	33.9	34.6	-112.34	671.9	-1,954.8	605.5	541.6	63.89	9.477		
10,600.0	10,288.6	11,158.1	10,534.5	34.0	34.6	-111.41	716.9	-1,954.9	596.6	532.1	64.51	9.248		
10,640.0	10,303.3	11,195.4	10,534.6	34.0	34.7	-110.71	754.2	-1,955.0	591.1	526.2	64.94	9.103		
10,650.0	10,306.5	11,204.9	10,534.7	34.0	34.7	-110.54	763.6	-1,955.0	589.9	524.9	65.03	9.071		
10,700.0	10,320.3	11,253.0	10,534.8	34.0	34.8	-109.80	811.7	-1,955.2	585.1	519.6	65.45	8.939		
10,735.0	10,327.4	11,287.3	10,535.0	34.1	34.8	-109.39	846.0	-1,955.2	582.7	517.0	65.69	8.870		
10,750.0	10,329.8	11,302.1	10,535.0	34.1	34.8	-109.24	860.9	-1,955.3	581.9	516.2	65.78	8.847		
10,800.0	10,335.0	11,351.8	10,535.2	34.1	34.9	-108.93	910.6	-1,955.4	580.3	514.3	66.03	8.789		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 (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)					
10,830.0	10,336.0	11,381.8	10,535.3	34.1	35.0	-108.88	940.6	-1,955.4	580.0	513.9	66.13	8.771	
10,831.9	10,336.0	11,383.7	10,535.3	34.1	35.0	-108.88	942.5	-1,955.4	580.0	513.9	66.14	8.770	CC
10,832.3	10,336.0	11,384.1	10,535.3	34.1	35.0	-108.88	942.8	-1,955.4	580.0	513.9	66.14	8.770	
10,900.0	10,336.3	11,451.8	10,535.6	34.2	35.1	-108.87	1,010.6	-1,955.6	580.0	513.7	66.35	8.743	
10,925.0	10,336.4	11,476.8	10,535.7	34.2	35.1	-108.87	1,035.6	-1,955.7	580.1	513.6	66.43	8.732	
11,000.0	10,336.7	11,551.8	10,536.0	34.3	35.3	-108.87	1,110.6	-1,955.8	580.1	513.4	66.69	8.698	
11,020.0	10,336.8	11,571.8	10,536.1	34.3	35.3	-108.87	1,130.6	-1,955.9	580.1	513.3	66.76	8.689	
11,100.0	10,337.1	11,651.8	10,536.4	34.5	35.5	-108.87	1,210.6	-1,956.1	580.1	513.0	67.06	8.650	
11,115.0	10,337.2	11,666.8	10,536.4	34.5	35.5	-108.87	1,225.6	-1,956.1	580.1	513.0	67.12	8.642	
11,200.0	10,337.5	11,751.8	10,536.8	34.6	35.7	-108.86	1,310.6	-1,956.3	580.1	512.6	67.47	8.598	
11,210.0	10,337.6	11,761.8	10,536.8	34.6	35.7	-108.86	1,320.6	-1,956.3	580.1	512.6	67.51	8.593	
11,300.0	10,337.9	11,851.8	10,537.2	34.8	35.9	-108.86	1,410.6	-1,956.5	580.1	512.2	67.91	8.543	
11,305.0	10,338.0	11,856.8	10,537.2	34.8	35.9	-108.86	1,415.6	-1,956.5	580.1	512.2	67.93	8.540	
11,400.0	10,338.4	11,951.8	10,537.5	35.0	36.1	-108.85	1,510.6	-1,956.7	580.1	511.8	68.38	8.484	
11,495.0	10,338.7	12,046.8	10,537.9	35.2	36.4	-108.85	1,605.6	-1,957.0	580.2	511.3	68.86	8.426	
11,500.0	10,338.8	12,051.8	10,537.9	35.2	36.4	-108.85	1,610.6	-1,957.0	580.2	511.3	68.88	8.423	
11,590.0	10,339.1	12,141.8	10,538.3	35.4	36.6	-108.85	1,700.6	-1,957.2	580.2	510.8	69.36	8.365	
11,600.0	10,339.2	12,151.8	10,538.3	35.4	36.7	-108.85	1,710.6	-1,957.2	580.2	510.8	69.41	8.358	
11,685.0	10,339.5	12,236.8	10,538.6	35.6	36.9	-108.84	1,795.6	-1,957.4	580.2	510.3	69.89	8.302	
11,700.0	10,339.6	12,251.8	10,538.7	35.6	36.9	-108.84	1,810.6	-1,957.4	580.2	510.2	69.98	8.292	
11,780.0	10,339.9	12,331.8	10,539.0	35.8	37.2	-108.84	1,890.6	-1,957.6	580.2	509.8	70.45	8.236	
11,800.0	10,340.0	12,351.8	10,539.1	35.9	37.2	-108.84	1,910.6	-1,957.6	580.2	509.7	70.57	8.222	
11,875.0	10,340.3	12,426.8	10,539.4	36.1	37.5	-108.84	1,985.6	-1,957.8	580.2	509.2	71.03	8.169	
11,900.0	10,340.4	12,451.8	10,539.5	36.1	37.5	-108.84	2,010.6	-1,957.9	580.2	509.1	71.19	8.151	
11,970.0	10,340.7	12,521.8	10,539.7	36.3	37.8	-108.83	2,080.6	-1,958.0	580.3	508.6	71.64	8.100	
12,000.0	10,340.8	12,551.8	10,539.8	36.4	37.9	-108.83	2,110.6	-1,958.1	580.3	508.4	71.83	8.078	
12,065.0	10,341.1	12,616.8	10,540.1	36.6	38.1	-108.83	2,175.6	-1,958.2	580.3	508.0	72.27	8.030	
12,100.0	10,341.3	12,651.8	10,540.2	36.7	38.2	-108.83	2,210.6	-1,958.3	580.3	507.8	72.51	8.003	
12,160.0	10,341.5	12,711.8	10,540.5	36.9	38.4	-108.83	2,270.6	-1,958.5	580.3	507.4	72.92	7.958	
12,200.0	10,341.7	12,751.8	10,540.6	37.0	38.6	-108.82	2,310.6	-1,958.5	580.3	507.1	73.21	7.927	
12,255.0	10,341.9	12,806.8	10,540.8	37.2	38.7	-108.82	2,365.6	-1,958.7	580.3	506.7	73.60	7.885	
12,300.0	10,342.1	12,851.8	10,541.0	37.4	38.9	-108.82	2,410.6	-1,958.8	580.3	506.4	73.93	7.850	
12,350.0	10,342.3	12,901.8	10,541.2	37.5	39.1	-108.82	2,460.6	-1,958.9	580.3	506.0	74.30	7.811	
12,400.0	10,342.5	12,951.8	10,541.4	37.7	39.3	-108.82	2,510.6	-1,959.0	580.4	505.7	74.68	7.771	
12,445.0	10,342.7	12,996.8	10,541.6	37.9	39.4	-108.82	2,555.6	-1,959.1	580.4	505.3	75.02	7.736	
12,500.0	10,342.9	13,051.8	10,541.8	38.1	39.7	-108.81	2,610.6	-1,959.2	580.4	504.9	75.45	7.692	
12,540.0	10,343.1	13,091.8	10,541.9	38.2	39.8	-108.81	2,650.6	-1,959.3	580.4	504.6	75.77	7.660	
12,600.0	10,343.3	13,151.8	10,542.2	38.4	40.1	-108.81	2,710.6	-1,959.5	580.4	504.1	76.25	7.612	
12,635.0	10,343.5	13,186.8	10,542.3	38.6	40.2	-108.81	2,745.6	-1,959.5	580.4	503.9	76.53	7.584	
12,700.0	10,343.7	13,251.8	10,542.5	38.8	40.5	-108.81	2,810.6	-1,959.7	580.4	503.3	77.07	7.531	
12,730.0	10,343.9	13,281.8	10,542.7	38.9	40.6	-108.80	2,840.6	-1,959.8	580.4	503.1	77.32	7.507	
12,800.0	10,344.2	13,351.8	10,542.9	39.2	40.9	-108.80	2,910.6	-1,959.9	580.4	502.5	77.91	7.450	
12,825.0	10,344.3	13,376.8	10,543.0	39.3	41.0	-108.80	2,935.6	-1,960.0	580.4	502.3	78.12	7.430	
12,900.0	10,344.6	13,451.8	10,543.3	39.6	41.3	-108.80	3,010.6	-1,960.1	580.5	501.7	78.77	7.369	
12,920.0	10,344.7	13,471.8	10,543.4	39.7	41.4	-108.80	3,030.6	-1,960.2	580.5	501.5	78.94	7.353	
13,000.0	10,345.0	13,551.8	10,543.7	40.0	41.7	-108.79	3,110.6	-1,960.4	580.5	500.8	79.65	7.288	
13,015.0	10,345.0	13,566.8	10,543.8	40.1	41.8	-108.79	3,125.6	-1,960.4	580.5	500.7	79.78	7.276	
13,100.0	10,345.4	13,651.8	10,544.1	40.4	42.2	-108.79	3,210.6	-1,960.6	580.5	499.9	80.55	7.207	
13,110.0	10,345.4	13,661.8	10,544.1	40.5	42.2	-108.79	3,220.6	-1,960.6	580.5	499.9	80.64	7.199	
13,200.0	10,345.8	13,751.8	10,544.5	40.9	42.6	-108.79	3,310.5	-1,960.8	580.5	499.0	81.47	7.126	
13,205.0	10,345.8	13,756.8	10,544.5	40.9	42.6	-108.79	3,315.5	-1,960.8	580.5	499.0	81.51	7.122	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 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		
13,300.0	10,346.2	13,851.8	10,544.8	41.3	43.1	-108.78	3,410.5	-1,961.0	580.5	498.1	82.40	7.045		
13,395.0	10,346.6	13,946.8	10,545.2	41.8	43.5	-108.78	3,505.5	-1,961.3	580.6	497.2	83.31	6.968		
13,400.0	10,346.6	13,951.8	10,545.2	41.8	43.5	-108.78	3,510.5	-1,961.3	580.6	497.2	83.36	6.964		
13,490.0	10,347.0	14,041.8	10,545.6	42.2	44.0	-108.78	3,600.5	-1,961.5	580.6	496.3	84.23	6.892		
13,500.0	10,347.1	14,051.8	10,545.6	42.3	44.0	-108.78	3,610.5	-1,961.5	580.6	496.2	84.33	6.884		
13,585.0	10,347.4	14,136.8	10,545.9	42.7	44.4	-108.77	3,695.5	-1,961.7	580.6	495.4	85.17	6.817		
13,600.0	10,347.5	14,151.8	10,546.0	42.7	44.5	-108.77	3,710.5	-1,961.7	580.6	495.3	85.32	6.805		
13,680.0	10,347.8	14,231.8	10,546.3	43.1	44.9	-108.77	3,790.5	-1,961.9	580.6	494.5	86.12	6.742		
13,700.0	10,347.9	14,251.8	10,546.4	43.2	45.0	-108.77	3,810.5	-1,962.0	580.6	494.3	86.32	6.726		
13,775.0	10,348.2	14,326.8	10,546.7	43.6	45.4	-108.76	3,885.5	-1,962.1	580.6	493.5	87.09	6.667		
13,800.0	10,348.3	14,351.8	10,546.8	43.7	45.5	-108.76	3,910.5	-1,962.2	580.6	493.3	87.34	6.648		
13,870.0	10,348.6	14,421.8	10,547.0	44.1	45.8	-108.76	3,980.5	-1,962.3	580.7	492.6	88.07	6.593		
13,900.0	10,348.7	14,451.8	10,547.2	44.2	46.0	-108.76	4,010.5	-1,962.4	580.7	492.3	88.38	6.570		
13,965.0	10,349.0	14,516.8	10,547.4	44.5	46.3	-108.76	4,075.5	-1,962.6	580.7	491.6	89.06	6.520		
14,000.0	10,349.1	14,551.8	10,547.5	44.7	46.5	-108.76	4,110.5	-1,962.6	580.7	491.2	89.43	6.493		
14,060.0	10,349.4	14,611.8	10,547.8	45.0	46.8	-108.75	4,170.5	-1,962.8	580.7	490.6	90.06	6.448		
14,100.0	10,349.5	14,651.8	10,547.9	45.2	47.0	-108.75	4,210.5	-1,962.9	580.7	490.2	90.49	6.417		
14,155.0	10,349.8	14,706.8	10,548.1	45.5	47.3	-108.75	4,265.5	-1,963.0	580.7	489.6	91.08	6.376		
14,200.0	10,350.0	14,751.8	10,548.3	45.8	47.5	-108.75	4,310.5	-1,963.1	580.7	489.2	91.57	6.342		
14,250.0	10,350.2	14,801.8	10,548.5	46.0	47.8	-108.75	4,360.5	-1,963.2	580.7	488.6	92.11	6.305		
14,300.0	10,350.4	14,851.8	10,548.7	46.3	48.1	-108.75	4,410.5	-1,963.3	580.7	488.1	92.65	6.268		
14,345.0	10,350.6	14,896.8	10,548.9	46.5	48.3	-108.74	4,455.5	-1,963.4	580.7	487.6	93.15	6.235		
14,400.0	10,350.8	14,951.8	10,549.1	46.8	48.6	-108.74	4,510.5	-1,963.5	580.8	487.0	93.76	6.194		
14,440.0	10,351.0	14,991.8	10,549.2	47.0	48.8	-108.74	4,550.5	-1,963.6	580.8	486.6	94.20	6.165		
14,500.0	10,351.2	15,051.8	10,549.5	47.4	49.2	-108.74	4,610.5	-1,963.8	580.8	485.9	94.87	6.122		
14,535.0	10,351.3	15,086.8	10,549.6	47.6	49.3	-108.74	4,645.5	-1,963.8	580.8	485.5	95.26	6.097		
14,600.0	10,351.6	15,151.8	10,549.9	47.9	49.7	-108.73	4,710.5	-1,964.0	580.8	484.8	95.99	6.050		
14,630.0	10,351.7	15,181.8	10,550.0	48.1	49.9	-108.73	4,740.5	-1,964.1	580.8	484.5	96.33	6.029		
14,700.0	10,352.0	15,251.8	10,550.2	48.5	50.3	-108.73	4,810.5	-1,964.2	580.8	483.7	97.13	5.980		
14,725.0	10,352.1	15,276.8	10,550.3	48.6	50.4	-108.73	4,835.5	-1,964.3	580.8	483.4	97.41	5.962		
14,800.0	10,352.4	15,351.8	10,550.6	49.0	50.8	-108.73	4,910.5	-1,964.4	580.8	482.6	98.27	5.910		
14,820.0	10,352.5	15,371.8	10,550.7	49.2	50.9	-108.73	4,930.5	-1,964.5	580.8	482.3	98.51	5.897		
14,900.0	10,352.9	15,451.8	10,551.0	49.6	51.4	-108.72	5,010.5	-1,964.7	580.9	481.4	99.43	5.842		
14,915.0	10,352.9	15,466.8	10,551.1	49.7	51.5	-108.72	5,025.5	-1,964.7	580.9	481.3	99.61	5.832		
15,000.0	10,353.3	15,551.8	10,551.4	50.2	52.0	-108.72	5,110.5	-1,964.9	580.9	480.3	100.60	5.774		
15,010.0	10,353.3	15,561.8	10,551.4	50.2	52.0	-108.72	5,120.5	-1,964.9	580.9	480.2	100.72	5.768		
15,100.0	10,353.7	15,651.8	10,551.8	50.8	52.5	-108.72	5,210.5	-1,965.1	580.9	479.1	101.77	5.708		
15,105.0	10,353.7	15,656.8	10,551.8	50.8	52.6	-108.71	5,215.5	-1,965.1	580.9	479.1	101.83	5.704		
15,200.0	10,354.1	15,751.8	10,552.2	51.4	53.1	-108.71	5,310.5	-1,965.4	580.9	478.0	102.96	5.642		
15,295.0	10,354.5	15,846.8	10,552.5	51.9	53.7	-108.71	5,405.5	-1,965.6	580.9	476.8	104.10	5.581		
15,300.0	10,354.5	15,851.8	10,552.5	51.9	53.7	-108.71	5,410.5	-1,965.6	580.9	476.8	104.16	5.578		
15,390.0	10,354.9	15,941.8	10,552.9	52.5	54.2	-108.70	5,500.5	-1,965.8	581.0	475.7	105.24	5.520		
15,400.0	10,354.9	15,951.8	10,552.9	52.5	54.3	-108.70	5,510.5	-1,965.8	581.0	475.6	105.36	5.514		
15,485.0	10,355.3	16,036.8	10,553.3	53.0	54.8	-108.70	5,595.5	-1,966.0	581.0	474.6	106.39	5.461		
15,500.0	10,355.3	16,051.8	10,553.3	53.1	54.9	-108.70	5,610.5	-1,966.0	581.0	474.4	106.57	5.452		
15,580.0	10,355.7	16,131.8	10,553.6	53.6	55.3	-108.70	5,690.5	-1,966.2	581.0	473.5	107.55	5.402		
15,600.0	10,355.8	16,151.8	10,553.7	53.7	55.5	-108.70	5,710.5	-1,966.3	581.0	473.2	107.79	5.390		
15,675.0	10,356.1	16,226.8	10,554.0	54.2	55.9	-108.69	5,785.5	-1,966.4	581.0	472.3	108.71	5.345		
15,700.0	10,356.2	16,251.8	10,554.1	54.3	56.1	-108.69	5,810.5	-1,966.5	581.0	472.0	109.02	5.330		
15,770.0	10,356.5	16,321.8	10,554.4	54.8	56.5	-108.69	5,880.5	-1,966.6	581.0	471.2	109.88	5.288		
15,800.0	10,356.6	16,351.8	10,554.5	55.0	56.7	-108.69	5,910.5	-1,966.7	581.0	470.8	110.25	5.270		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 (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
15,865.0	10,356.9	16,416.8	10,554.7	55.4	57.1	-108.69	5,975.5	-1,966.9	581.1	470.0	111.06	5.232	
15,900.0	10,357.0	16,451.8	10,554.9	55.6	57.3	-108.68	6,010.5	-1,966.9	581.1	469.6	111.50	5.212	
15,960.0	10,357.3	16,511.8	10,555.1	55.9	57.6	-108.68	6,070.5	-1,967.1	581.1	468.8	112.25	5.177	
16,000.0	10,357.4	16,551.8	10,555.2	56.2	57.9	-108.68	6,110.5	-1,967.2	581.1	468.3	112.75	5.154	
16,055.0	10,357.7	16,606.8	10,555.5	56.5	58.2	-108.68	6,165.5	-1,967.3	581.1	467.7	113.44	5.123	
16,100.0	10,357.8	16,651.8	10,555.6	56.8	58.5	-108.68	6,210.5	-1,967.4	581.1	467.1	114.00	5.097	
16,150.0	10,358.0	16,701.8	10,555.8	57.1	58.8	-108.68	6,260.5	-1,967.5	581.1	466.5	114.63	5.069	
16,200.0	10,358.3	16,751.8	10,556.0	57.4	59.1	-108.67	6,310.5	-1,967.6	581.1	465.9	115.27	5.042	
16,245.0	10,358.4	16,796.8	10,556.2	57.7	59.4	-108.67	6,355.5	-1,967.7	581.1	465.3	115.84	5.017	
16,300.0	10,358.7	16,851.8	10,556.4	58.1	59.7	-108.67	6,410.5	-1,967.8	581.1	464.6	116.54	4.987	
16,340.0	10,358.8	16,891.8	10,556.6	58.3	60.0	-108.67	6,450.5	-1,967.9	581.2	464.1	117.05	4.965	
16,400.0	10,359.1	16,951.8	10,556.8	58.7	60.4	-108.67	6,510.5	-1,968.1	581.2	463.4	117.81	4.933	
16,435.0	10,359.2	16,986.8	10,556.9	58.9	60.6	-108.66	6,545.5	-1,968.2	581.2	462.9	118.26	4.914	
16,500.0	10,359.5	17,051.8	10,557.2	59.3	61.0	-108.66	6,610.5	-1,968.3	581.2	462.1	119.09	4.880	
16,530.0	10,359.6	17,081.8	10,557.3	59.5	61.2	-108.66	6,640.5	-1,968.4	581.2	461.7	119.48	4.864	
16,600.0	10,359.9	17,151.8	10,557.6	60.0	61.6	-108.66	6,710.5	-1,968.5	581.2	460.8	120.38	4.828	
16,625.0	10,360.0	17,176.8	10,557.6	60.1	61.8	-108.66	6,735.5	-1,968.6	581.2	460.5	120.71	4.815	
16,700.0	10,360.3	17,251.8	10,557.9	60.6	62.3	-108.65	6,810.5	-1,968.8	581.2	459.6	121.68	4.777	
16,720.0	10,360.4	17,271.8	10,558.0	60.7	62.4	-108.65	6,830.5	-1,968.8	581.2	459.3	121.94	4.767	
16,800.0	10,360.7	17,351.8	10,558.3	61.3	62.9	-108.65	6,910.5	-1,969.0	581.2	458.3	122.97	4.727	
16,815.0	10,360.8	17,366.8	10,558.4	61.4	63.0	-108.65	6,925.5	-1,969.0	581.3	458.1	123.17	4.719	
16,900.0	10,361.2	17,451.8	10,558.7	61.9	63.5	-108.65	7,010.5	-1,969.2	581.3	457.0	124.28	4.677	
16,910.0	10,361.2	17,461.8	10,558.7	62.0	63.6	-108.65	7,020.5	-1,969.2	581.3	456.9	124.41	4.672	
17,000.0	10,361.6	17,551.8	10,559.1	62.6	64.2	-108.64	7,110.5	-1,969.4	581.3	455.7	125.59	4.629	
17,005.0	10,361.6	17,556.8	10,559.1	62.6	64.2	-108.64	7,115.5	-1,969.4	581.3	455.6	125.65	4.626	
17,100.0	10,362.0	17,651.8	10,559.5	63.2	64.8	-108.64	7,210.5	-1,969.7	581.3	454.4	126.90	4.581	
17,195.0	10,362.4	17,746.8	10,559.8	63.8	65.4	-108.64	7,305.5	-1,969.9	581.3	453.2	128.16	4.536	
17,200.0	10,362.4	17,751.8	10,559.9	63.9	65.5	-108.64	7,310.5	-1,969.9	581.3	453.1	128.22	4.534	
17,290.0	10,362.8	17,841.8	10,560.2	64.5	66.1	-108.63	7,400.5	-1,970.1	581.3	451.9	129.41	4.492	
17,300.0	10,362.8	17,851.8	10,560.2	64.5	66.1	-108.63	7,410.5	-1,970.1	581.4	451.8	129.55	4.488	
17,385.0	10,363.2	17,936.8	10,560.6	65.1	66.7	-108.63	7,495.5	-1,970.3	581.4	450.7	130.67	4.449	
17,400.0	10,363.2	17,951.8	10,560.6	65.2	66.8	-108.63	7,510.5	-1,970.3	581.4	450.5	130.87	4.442	
17,480.0	10,363.6	18,031.8	10,560.9	65.7	67.3	-108.63	7,590.5	-1,970.5	581.4	449.4	131.94	4.406	
17,500.0	10,363.6	18,051.8	10,561.0	65.8	67.4	-108.62	7,610.5	-1,970.6	581.4	449.2	132.21	4.398	
17,575.0	10,364.0	18,126.8	10,561.3	66.3	67.9	-108.62	7,685.5	-1,970.7	581.4	448.2	133.21	4.365	
17,600.0	10,364.1	18,151.8	10,561.4	66.5	68.1	-108.62	7,710.5	-1,970.8	581.4	447.9	133.54	4.354	
17,670.0	10,364.3	18,221.8	10,561.7	67.0	68.5	-108.62	7,780.5	-1,970.9	581.4	446.9	134.48	4.323	
17,700.0	10,364.5	18,251.8	10,561.8	67.2	68.7	-108.62	7,810.5	-1,971.0	581.4	446.5	134.89	4.311	
17,765.0	10,364.7	18,316.8	10,562.0	67.6	69.2	-108.61	7,875.5	-1,971.2	581.4	445.7	135.76	4.283	
17,800.0	10,364.9	18,351.8	10,562.2	67.8	69.4	-108.61	7,910.5	-1,971.2	581.5	445.2	136.23	4.268	
17,860.0	10,365.1	18,411.8	10,562.4	68.2	69.8	-108.61	7,970.5	-1,971.4	581.5	444.4	137.04	4.243	
17,900.0	10,365.3	18,451.8	10,562.6	68.5	70.1	-108.61	8,010.5	-1,971.5	581.5	443.9	137.58	4.226	
17,955.0	10,365.5	18,506.8	10,562.8	68.9	70.4	-108.61	8,065.5	-1,971.6	581.5	443.2	138.32	4.204	
18,000.0	10,365.7	18,551.8	10,562.9	69.2	70.7	-108.61	8,110.5	-1,971.7	581.5	442.6	138.93	4.185	
18,050.0	10,365.9	18,601.8	10,563.1	69.5	71.1	-108.60	8,160.5	-1,971.8	581.5	441.9	139.61	4.165	
18,100.0	10,366.1	18,651.8	10,563.3	69.9	71.4	-108.60	8,210.5	-1,971.9	581.5	441.2	140.29	4.145	
18,145.0	10,366.3	18,696.8	10,563.5	70.2	71.7	-108.60	8,255.5	-1,972.0	581.5	440.6	140.90	4.127	
18,200.0	10,366.5	18,751.8	10,563.7	70.5	72.1	-108.60	8,310.5	-1,972.2	581.5	439.9	141.65	4.105	
18,240.0	10,366.7	18,791.8	10,563.9	70.8	72.3	-108.60	8,350.5	-1,972.2	581.5	439.3	142.19	4.090	
18,300.0	10,367.0	18,851.8	10,564.1	71.2	72.7	-108.59	8,410.5	-1,972.4	581.6	438.5	143.01	4.066	
18,335.0	10,367.1	18,886.8	10,564.2	71.4	73.0	-108.59	8,445.5	-1,972.5	581.6	438.1	143.49	4.053	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 (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)			
18,400.0	10,367.4	18,951.8	10,564.5	71.9	73.4	-108.59	8,510.5	-1,972.6	581.6	437.2	144.38	4.028	
18,430.0	10,367.5	18,981.8	10,564.6	72.1	73.6	-108.59	8,540.5	-1,972.7	581.6	436.8	144.79	4.017	
18,500.0	10,367.8	19,051.8	10,564.9	72.6	74.1	-108.59	8,610.5	-1,972.8	581.6	435.8	145.75	3.990	
18,525.0	10,367.9	19,076.8	10,565.0	72.7	74.3	-108.59	8,635.5	-1,972.9	581.6	435.5	146.09	3.981	
18,600.0	10,368.2	19,151.8	10,565.3	73.3	74.8	-108.58	8,710.5	-1,973.1	581.6	434.5	147.12	3.953	
18,620.0	10,368.3	19,171.8	10,565.3	73.4	74.9	-108.58	8,730.5	-1,973.1	581.6	434.2	147.40	3.946	
18,700.0	10,368.6	19,251.8	10,565.6	73.9	75.4	-108.58	8,810.5	-1,973.3	581.6	433.1	148.50	3.917	
18,715.0	10,368.7	19,266.8	10,565.7	74.0	75.5	-108.58	8,825.5	-1,973.3	581.6	432.9	148.71	3.911	
18,800.0	10,369.0	19,351.8	10,566.0	74.6	76.1	-108.58	8,910.5	-1,973.5	581.7	431.8	149.88	3.881	
18,810.0	10,369.1	19,361.8	10,566.1	74.7	76.2	-108.58	8,920.5	-1,973.5	581.7	431.6	150.02	3.877	
18,900.0	10,369.4	19,451.8	10,566.4	75.3	76.8	-108.57	9,010.5	-1,973.7	581.7	430.4	151.26	3.846	
18,905.0	10,369.5	19,456.8	10,566.4	75.3	76.8	-108.57	9,015.5	-1,973.7	581.7	430.3	151.33	3.844	
19,000.0	10,369.9	19,551.8	10,566.8	76.0	77.5	-108.57	9,110.5	-1,974.0	581.7	429.1	152.65	3.811	
19,095.0	10,370.3	19,646.8	10,567.2	76.7	78.1	-108.56	9,205.5	-1,974.2	581.7	427.8	153.97	3.778	
19,100.0	10,370.3	19,651.8	10,567.2	76.7	78.2	-108.56	9,210.5	-1,974.2	581.7	427.7	154.04	3.777	
19,190.0	10,370.6	19,741.8	10,567.5	77.3	78.8	-108.56	9,300.5	-1,974.4	581.7	426.5	155.29	3.746	
19,200.0	10,370.7	19,751.8	10,567.6	77.4	78.9	-108.56	9,310.5	-1,974.4	581.7	426.3	155.43	3.743	
19,285.0	10,371.0	19,836.8	10,567.9	78.0	79.4	-108.56	9,395.5	-1,974.6	581.8	425.1	156.61	3.715	
19,300.0	10,371.1	19,851.8	10,567.9	78.1	79.5	-108.56	9,410.5	-1,974.6	581.8	424.9	156.82	3.710	
19,380.0	10,371.4	19,931.8	10,568.3	78.6	80.1	-108.55	9,490.5	-1,974.8	581.8	423.8	157.94	3.684	
19,400.0	10,371.5	19,951.8	10,568.3	78.8	80.2	-108.55	9,510.5	-1,974.9	581.8	423.6	158.22	3.677	
19,475.0	10,371.8	20,026.8	10,568.6	79.3	80.7	-108.55	9,585.5	-1,975.0	581.8	422.5	159.26	3.653	
19,500.0	10,371.9	20,051.8	10,568.7	79.5	80.9	-108.55	9,610.5	-1,975.1	581.8	422.2	159.61	3.645	
19,570.0	10,372.2	20,121.8	10,569.0	80.0	81.4	-108.55	9,680.5	-1,975.3	581.8	421.2	160.59	3.623	
19,600.0	10,372.3	20,151.8	10,569.1	80.2	81.6	-108.55	9,710.5	-1,975.3	581.8	420.8	161.01	3.613	
19,665.0	10,372.6	20,216.8	10,569.4	80.6	82.1	-108.54	9,775.5	-1,975.5	581.8	419.9	161.93	3.593	
19,700.0	10,372.8	20,251.8	10,569.5	80.9	82.3	-108.54	9,810.5	-1,975.6	581.8	419.4	162.42	3.582	
19,760.0	10,373.0	20,311.8	10,569.7	81.3	82.7	-108.54	9,870.5	-1,975.7	581.9	418.6	163.26	3.564	
19,800.0	10,373.2	20,351.8	10,569.9	81.6	83.0	-108.54	9,910.5	-1,975.8	581.9	418.0	163.82	3.552	
19,855.0	10,373.4	20,406.8	10,570.1	81.9	83.4	-108.54	9,965.5	-1,975.9	581.9	417.3	164.60	3.535	
19,900.0	10,373.6	20,451.8	10,570.3	82.3	83.7	-108.53	10,010.5	-1,976.0	581.9	416.7	165.23	3.522	
19,950.0	10,373.8	20,501.8	10,570.4	82.6	84.0	-108.53	10,060.5	-1,976.1	581.9	416.0	165.94	3.507	
20,000.0	10,374.0	20,551.8	10,570.6	83.0	84.4	-108.53	10,110.5	-1,976.2	581.9	415.3	166.64	3.492	
20,045.0	10,374.2	20,596.8	10,570.8	83.3	84.7	-108.53	10,155.5	-1,976.3	581.9	414.6	167.28	3.479	
20,100.0	10,374.4	20,651.8	10,571.0	83.7	85.1	-108.53	10,210.5	-1,976.5	581.9	413.9	168.05	3.463	
20,140.0	10,374.6	20,691.8	10,571.2	83.9	85.4	-108.53	10,250.5	-1,976.5	581.9	413.3	168.62	3.451	
20,200.0	10,374.8	20,751.8	10,571.4	84.4	85.8	-108.52	10,310.5	-1,976.7	581.9	412.5	169.47	3.434	
20,235.0	10,375.0	20,786.8	10,571.5	84.6	86.0	-108.52	10,345.5	-1,976.8	582.0	412.0	169.96	3.424	
20,300.0	10,375.2	20,851.8	10,571.8	85.1	86.5	-108.52	10,410.5	-1,976.9	582.0	411.1	170.88	3.406	
20,330.0	10,375.4	20,881.8	10,571.9	85.3	86.7	-108.52	10,440.5	-1,977.0	582.0	410.7	171.31	3.397	
20,400.0	10,375.7	20,951.8	10,572.2	85.8	87.2	-108.52	10,510.5	-1,977.1	582.0	409.7	172.30	3.378	
20,425.0	10,375.8	20,976.8	10,572.3	86.0	87.4	-108.51	10,535.5	-1,977.2	582.0	409.3	172.66	3.371	
20,500.0	10,376.1	21,051.8	10,572.6	86.5	87.9	-108.51	10,610.5	-1,977.4	582.0	408.3	173.72	3.350	
20,520.0	10,376.2	21,071.8	10,572.6	86.6	88.0	-108.51	10,630.5	-1,977.4	582.0	408.0	174.01	3.345	
20,600.0	10,376.5	21,151.8	10,573.0	87.2	88.6	-108.51	10,710.5	-1,977.6	582.0	406.9	175.14	3.323	
20,615.0	10,376.6	21,166.8	10,573.0	87.3	88.7	-108.51	10,725.5	-1,977.6	582.0	406.7	175.36	3.319	
20,700.0	10,376.9	21,251.8	10,573.3	87.9	89.3	-108.50	10,810.5	-1,977.8	582.0	405.5	176.57	3.296	
20,710.0	10,376.9	21,261.8	10,573.4	88.0	89.4	-108.50	10,820.5	-1,977.8	582.1	405.3	176.71	3.294	
20,800.0	10,377.3	21,351.8	10,573.7	88.6	90.0	-108.50	10,910.5	-1,978.0	582.1	404.1	177.99	3.270	
20,805.0	10,377.3	21,356.8	10,573.7	88.6	90.0	-108.50	10,915.5	-1,978.1	582.1	404.0	178.06	3.269	
20,900.0	10,377.7	21,451.8	10,574.1	89.3	90.7	-108.50	11,010.5	-1,978.3	582.1	402.7	179.42	3.244	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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			Rule Assigned:				Warning	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance					
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		
20,995.0	10,378.1	21,546.8	10,574.5	90.0	91.4	-108.49	11,105.5	-1,978.5	582.1	401.3	180.78	3.220		
21,000.0	10,378.1	21,551.8	10,574.5	90.0	91.4	-108.49	11,110.5	-1,978.5	582.1	401.3	180.85	3.219		
21,090.0	10,378.5	21,641.8	10,574.8	90.7	92.0	-108.49	11,200.5	-1,978.7	582.1	400.0	182.14	3.196		
21,100.0	10,378.6	21,651.8	10,574.9	90.7	92.1	-108.49	11,210.5	-1,978.7	582.1	399.9	182.28	3.194		
21,185.0	10,378.9	21,736.8	10,575.2	91.3	92.7	-108.49	11,295.5	-1,978.9	582.1	398.7	183.50	3.173		
21,200.0	10,379.0	21,751.8	10,575.3	91.5	92.8	-108.49	11,310.5	-1,979.0	582.2	398.4	183.71	3.169		
21,280.0	10,379.3	21,831.8	10,575.6	92.0	93.4	-108.48	11,390.5	-1,979.1	582.2	397.3	184.86	3.149		
21,300.0	10,379.4	21,851.8	10,575.6	92.2	93.5	-108.48	11,410.5	-1,979.2	582.2	397.0	185.15	3.144		
21,375.0	10,379.7	21,926.8	10,575.9	92.7	94.1	-108.48	11,485.5	-1,979.3	582.2	396.0	186.22	3.126		
21,400.0	10,379.8	21,951.8	10,576.0	92.9	94.2	-108.48	11,510.5	-1,979.4	582.2	395.6	186.58	3.120		
21,470.0	10,380.1	22,021.8	10,576.3	93.4	94.7	-108.48	11,580.5	-1,979.6	582.2	394.6	187.59	3.104		
21,500.0	10,380.2	22,051.8	10,576.4	93.6	94.9	-108.47	11,610.5	-1,979.6	582.2	394.2	188.02	3.097		
21,565.0	10,380.5	22,116.8	10,576.7	94.1	95.4	-108.47	11,675.5	-1,979.8	582.2	393.3	188.95	3.081		
21,600.0	10,380.6	22,151.8	10,576.8	94.3	95.7	-108.47	11,710.5	-1,979.9	582.2	392.8	189.46	3.073		
21,660.0	10,380.9	22,211.8	10,577.0	94.7	96.1	-108.47	11,770.5	-1,980.0	582.2	391.9	190.32	3.059		
21,700.0	10,381.1	22,251.8	10,577.2	95.0	96.4	-108.47	11,810.5	-1,980.1	582.3	391.4	190.90	3.050		
21,755.0	10,381.3	22,306.8	10,577.4	95.4	96.8	-108.47	11,865.5	-1,980.2	582.3	390.6	191.69	3.038		
21,800.0	10,381.5	22,351.8	10,577.6	95.7	97.1	-108.46	11,910.5	-1,980.3	582.3	389.9	192.34	3.027		
21,850.0	10,381.7	22,401.8	10,577.8	96.1	97.4	-108.46	11,960.5	-1,980.4	582.3	389.2	193.06	3.016		
21,900.0	10,381.9	22,451.8	10,578.0	96.5	97.8	-108.46	12,010.5	-1,980.5	582.3	388.5	193.78	3.005		
21,945.0	10,382.1	22,496.8	10,578.1	96.8	98.1	-108.46	12,055.5	-1,980.6	582.3	387.9	194.43	2.995		
22,000.0	10,382.3	22,551.8	10,578.3	97.2	98.5	-108.46	12,110.5	-1,980.8	582.3	387.1	195.23	2.983		
22,040.1	10,382.5	22,591.9	10,578.5	97.5	98.8	-108.45	12,150.5	-1,980.9	582.3	386.5	195.80	2.974		
22,100.0	10,382.7	22,651.8	10,578.7	97.9	99.2	-108.45	12,210.5	-1,981.0	582.3	385.7	196.67	2.961		
22,135.0	10,382.9	22,686.8	10,578.9	98.1	99.5	-108.45	12,245.5	-1,981.1	582.3	385.2	197.17	2.953		
22,170.0	10,383.0	22,721.8	10,579.0	98.4	99.7	-108.45	12,280.5	-1,981.2	582.4	384.7	197.68	2.946 ES, SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-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		
6,840.0	6,695.2	6,866.6	6,764.0	27.3	26.6	-28.76	19.2	-2,446.3	1,313.3	1,262.7	50.60	25.957		
6,900.0	6,753.4	6,900.0	6,797.4	27.6	26.7	-28.95	19.1	-2,445.0	1,298.4	1,247.5	50.93	25.495		
6,935.0	6,787.4	6,930.3	6,827.7	27.8	26.8	-29.13	19.1	-2,444.1	1,290.0	1,238.9	51.08	25.254		
7,000.0	6,850.5	6,974.4	6,871.8	28.1	26.8	-29.37	19.0	-2,443.4	1,275.3	1,223.9	51.36	24.828		
7,030.0	6,879.6	6,996.6	6,894.0	28.2	26.9	-29.50	19.0	-2,443.3	1,268.8	1,217.3	51.49	24.640		
7,100.0	6,947.5	7,062.0	6,959.4	28.6	26.9	-29.86	19.0	-2,443.3	1,254.0	1,202.3	51.71	24.250		
7,125.0	6,971.8	7,086.3	6,983.7	28.7	26.9	-30.00	19.0	-2,443.3	1,248.7	1,196.9	51.79	24.113		
7,200.0	7,044.5	7,159.1	7,056.4	29.1	26.9	-30.42	19.0	-2,443.3	1,232.9	1,180.9	52.01	23.706		
7,220.0	7,063.9	7,178.5	7,075.8	29.2	26.9	-30.53	19.0	-2,443.3	1,228.7	1,176.6	52.07	23.599		
7,300.0	7,141.6	7,256.1	7,153.5	29.5	26.9	-30.99	19.0	-2,443.3	1,211.9	1,159.6	52.29	23.175		
7,315.0	7,156.1	7,270.7	7,168.0	29.6	26.9	-31.08	19.0	-2,443.3	1,208.8	1,156.5	52.34	23.097		
7,400.0	7,238.6	7,353.1	7,250.5	30.0	27.0	-31.59	19.0	-2,443.3	1,191.1	1,138.5	52.57	22.658		
7,410.0	7,248.3	7,362.8	7,260.2	30.1	27.0	-31.65	19.0	-2,443.3	1,189.0	1,136.4	52.60	22.607		
7,505.0	7,340.5	7,455.0	7,352.4	30.5	27.0	-32.23	19.0	-2,443.3	1,169.4	1,116.5	52.84	22.128		
7,508.6	7,343.9	7,458.5	7,355.8	30.6	27.0	-32.26	19.0	-2,443.3	1,168.6	1,115.8	52.85	22.110		
7,600.0	7,433.0	7,547.5	7,444.9	31.0	27.0	-32.61	19.0	-2,443.3	1,151.0	1,097.9	53.09	21.681		
7,695.0	7,526.2	7,640.7	7,538.1	31.5	27.0	-32.93	19.0	-2,443.3	1,135.4	1,082.0	53.34	21.286		
7,700.0	7,531.1	7,645.6	7,543.0	31.5	27.0	-32.95	19.0	-2,443.3	1,134.6	1,081.3	53.35	21.266		
7,790.0	7,619.9	7,734.4	7,631.8	31.9	27.1	-33.22	19.0	-2,443.3	1,122.4	1,068.8	53.59	20.943		
7,800.0	7,629.8	7,744.3	7,641.7	31.9	27.1	-33.24	19.0	-2,443.3	1,121.2	1,067.6	53.62	20.910		
7,885.0	7,714.1	7,828.6	7,726.0	32.3	27.1	-33.45	19.0	-2,443.3	1,112.2	1,058.3	53.85	20.652		
7,900.0	7,729.0	7,843.6	7,740.9	32.4	27.1	-33.48	19.0	-2,443.3	1,110.8	1,056.9	53.90	20.610		
7,980.0	7,808.7	7,923.2	7,820.6	32.7	27.1	-33.62	19.0	-2,443.3	1,104.5	1,050.4	54.11	20.411		
8,000.0	7,828.6	7,943.1	7,840.5	32.8	27.1	-33.65	19.0	-2,443.3	1,103.3	1,049.1	54.17	20.366		
8,075.0	7,903.5	8,018.0	7,915.4	33.1	27.1	-33.74	19.0	-2,443.3	1,099.5	1,045.2	54.37	20.222		
8,100.0	7,928.4	8,043.0	7,940.3	33.1	27.2	-33.76	19.0	-2,443.3	1,098.7	1,044.2	54.44	20.179		
8,170.0	7,998.4	8,113.0	8,010.3	33.3	27.2	-33.80	19.0	-2,443.3	1,097.2	1,042.6	54.55	20.111		
8,208.6	8,037.0	8,151.5	8,048.9	33.3	27.2	-108.89	19.0	-2,443.3	1,096.9	1,042.3	54.62	20.082		
8,265.0	8,093.4	8,208.0	8,105.3	33.3	27.2	-108.89	19.0	-2,443.3	1,096.9	1,042.3	54.65	20.070		
8,300.0	8,128.4	8,243.0	8,140.3	33.4	27.2	-108.89	19.0	-2,443.3	1,096.9	1,042.3	54.67	20.063		
8,360.0	8,188.4	8,303.0	8,200.3	33.4	27.2	-108.89	19.0	-2,443.3	1,096.9	1,042.2	54.71	20.049		
8,400.0	8,228.4	8,343.0	8,240.3	33.4	27.2	-108.89	19.0	-2,443.3	1,096.9	1,042.2	54.74	20.040		
8,455.0	8,283.4	8,398.0	8,295.3	33.4	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.2	54.77	20.028		
8,500.0	8,328.4	8,443.0	8,340.3	33.4	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.1	54.80	20.018		
8,550.0	8,378.4	8,493.0	8,390.3	33.4	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.1	54.83	20.007		
8,600.0	8,428.4	8,543.0	8,440.3	33.4	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.1	54.86	19.995		
8,645.0	8,473.4	8,588.0	8,485.3	33.4	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.1	54.89	19.985		
8,700.0	8,528.4	8,643.0	8,540.3	33.5	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.0	54.92	19.972		
8,740.0	8,568.4	8,683.0	8,580.3	33.5	27.3	-108.89	19.0	-2,443.3	1,096.9	1,042.0	54.95	19.963		
8,800.0	8,628.4	8,743.0	8,640.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,042.0	54.99	19.950		
8,835.0	8,663.4	8,778.0	8,675.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,041.9	55.01	19.941		
8,900.0	8,728.4	8,843.0	8,740.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,041.9	55.05	19.927		
8,930.0	8,758.4	8,873.0	8,770.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,041.9	55.07	19.920		
9,000.0	8,828.4	8,943.0	8,840.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,041.8	55.11	19.903		
9,025.0	8,853.4	8,968.0	8,865.3	33.5	27.4	-108.89	19.0	-2,443.3	1,096.9	1,041.8	55.13	19.898		
9,100.0	8,928.4	9,043.0	8,940.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.8	55.18	19.880		
9,120.0	8,948.4	9,063.0	8,960.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.8	55.19	19.876		
9,200.0	9,028.4	9,143.0	9,040.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.7	55.24	19.857		
9,215.0	9,043.4	9,158.0	9,055.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.7	55.25	19.854		
9,300.0	9,128.4	9,243.0	9,140.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.6	55.31	19.834		
9,310.0	9,138.4	9,253.0	9,150.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.6	55.31	19.831		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-r.5 MWD+IFR1+MS						Rule Assigned:				Offset Well Error:	3.0 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,400.0	9,228.4	9,343.0	9,240.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.6	55.37	19.810		
9,405.0	9,233.4	9,348.0	9,245.3	33.6	27.5	-108.89	19.0	-2,443.3	1,096.9	1,041.6	55.38	19.809		
9,500.0	9,328.4	9,443.0	9,340.3	33.7	27.6	-108.89	19.0	-2,443.3	1,096.9	1,041.5	55.44	19.787		
9,595.0	9,423.4	9,538.0	9,435.3	33.7	27.6	-108.89	19.0	-2,443.3	1,096.9	1,041.4	55.50	19.764		
9,600.0	9,428.4	9,543.0	9,440.3	33.7	27.6	-108.89	19.0	-2,443.3	1,096.9	1,041.4	55.50	19.763		
9,690.0	9,518.4	9,633.0	9,530.3	33.7	27.6	-108.89	19.0	-2,443.3	1,096.9	1,041.4	55.56	19.742		
9,700.0	9,528.4	9,643.0	9,540.3	33.7	27.6	-108.89	19.0	-2,443.3	1,096.9	1,041.4	55.57	19.739		
9,785.0	9,613.4	9,728.0	9,625.3	33.8	27.7	-108.89	19.0	-2,443.3	1,096.9	1,041.3	55.63	19.719		
9,800.0	9,628.4	9,743.0	9,640.3	33.8	27.7	-108.89	19.0	-2,443.3	1,096.9	1,041.3	55.64	19.716		
9,880.0	9,708.4	9,823.0	9,720.3	33.8	27.7	-108.89	19.0	-2,443.3	1,096.9	1,041.3	55.69	19.698		
9,900.0	9,728.4	9,843.0	9,740.3	33.8	27.7	-108.89	19.0	-2,443.3	1,096.9	1,041.2	55.70	19.694		
9,934.6	9,763.0	9,914.1	9,811.3	33.8	27.7	-108.74	22.1	-2,443.3	1,096.6	1,040.9	55.68	19.693		
9,950.0	9,778.4	9,953.4	9,850.3	33.8	27.7	-108.44	27.5	-2,443.4	1,095.9	1,040.2	55.71	19.673		
9,975.0	9,803.4	10,016.0	9,911.2	33.8	27.7	-108.03	41.6	-2,443.4	1,094.5	1,038.7	55.81	19.613		
10,000.0	9,828.3	10,076.3	9,968.2	33.8	27.7	-107.48	61.3	-2,443.4	1,092.7	1,036.7	55.96	19.524		
10,050.0	9,877.6	10,188.7	10,067.4	33.8	27.7	-106.12	113.6	-2,443.6	1,087.8	1,031.3	56.42	19.280		
10,070.0	9,897.2	10,230.3	10,101.3	33.8	27.8	-105.52	137.8	-2,443.6	1,085.5	1,028.8	56.64	19.164		
10,100.0	9,926.1	10,289.1	10,146.0	33.8	27.8	-104.57	175.9	-2,443.7	1,081.8	1,024.8	56.99	18.981		
10,150.0	9,973.4	10,377.9	10,205.5	33.8	27.8	-102.98	241.8	-2,443.8	1,075.3	1,017.7	57.62	18.663		
10,165.0	9,987.3	10,402.5	10,220.1	33.8	27.8	-102.50	261.6	-2,443.9	1,073.3	1,015.5	57.81	18.567		
10,200.0	10,019.0	10,456.6	10,249.2	33.8	27.8	-101.41	307.2	-2,444.0	1,068.7	1,010.5	58.24	18.350		
10,250.0	10,062.7	10,526.9	10,280.3	33.8	27.9	-99.91	370.1	-2,444.1	1,062.4	1,003.5	58.83	18.058		
10,260.0	10,071.2	10,540.0	10,285.3	33.8	27.9	-99.62	382.3	-2,444.2	1,061.1	1,002.2	58.94	18.003		
10,300.0	10,104.2	10,590.1	10,301.5	33.8	27.9	-98.47	429.7	-2,444.3	1,056.5	997.2	59.37	17.797		
10,350.0	10,143.0	10,647.8	10,315.1	33.9	28.0	-97.08	485.7	-2,444.4	1,051.4	991.6	59.84	17.569		
10,355.0	10,146.7	10,653.3	10,316.1	33.9	28.0	-96.95	491.1	-2,444.4	1,050.9	991.0	59.89	17.548		
10,400.0	10,178.9	10,700.9	10,322.5	33.9	28.0	-95.74	538.3	-2,444.5	1,047.1	986.8	60.25	17.378		
10,450.0	10,211.7	10,750.4	10,325.0	33.9	28.1	-94.41	587.7	-2,444.6	1,043.6	983.1	60.60	17.223		
10,500.0	10,241.0	10,791.4	10,325.1	33.9	28.1	-93.34	628.6	-2,444.7	1,041.2	980.4	60.82	17.121		
10,545.0	10,264.3	10,829.9	10,325.3	33.9	28.2	-92.38	667.2	-2,444.8	1,039.9	978.9	60.99	17.050		
10,550.0	10,266.8	10,834.3	10,325.3	33.9	28.2	-92.27	671.6	-2,444.8	1,039.8	978.8	61.01	17.043		
10,600.0	10,288.6	10,879.3	10,325.4	34.0	28.3	-91.27	716.6	-2,444.9	1,039.1	977.9	61.18	16.983		
10,640.0	10,303.3	10,916.6	10,325.6	34.0	28.3	-90.55	753.9	-2,445.0	1,038.8	977.5	61.31	16.943		
10,650.0	10,306.5	10,926.1	10,325.6	34.0	28.3	-90.38	763.3	-2,445.0	1,038.8	977.4	61.34	16.934		
10,670.4	10,312.6	10,945.5	10,325.7	34.0	28.4	-90.06	782.8	-2,445.1	1,038.8	977.4	61.41	16.916 CC		
10,700.0	10,320.3	10,974.2	10,325.8	34.0	28.4	-89.66	811.4	-2,445.1	1,038.8	977.3	61.50	16.891		
10,735.0	10,327.4	11,008.5	10,325.9	34.1	28.5	-89.28	845.7	-2,445.2	1,038.9	977.3	61.61	16.863		
10,750.0	10,329.8	11,023.3	10,325.9	34.1	28.5	-89.14	860.5	-2,445.2	1,038.9	977.3	61.65	16.850		
10,800.0	10,335.0	11,073.0	10,326.1	34.1	28.6	-88.86	910.3	-2,445.4	1,039.0	977.2	61.81	16.809		
10,830.0	10,336.0	11,103.0	10,326.2	34.1	28.6	-88.80	940.3	-2,445.4	1,039.0	977.1	61.91	16.784		
10,832.3	10,336.0	11,105.2	10,326.2	34.1	28.6	-88.80	942.5	-2,445.4	1,039.0	977.1	61.91	16.782		
10,900.0	10,336.3	11,173.0	10,326.4	34.2	28.8	-88.80	1,010.3	-2,445.6	1,039.1	976.9	62.14	16.721		
10,925.0	10,336.4	11,198.0	10,326.5	34.2	28.8	-88.80	1,035.3	-2,445.6	1,039.1	976.9	62.23	16.697		
11,000.0	10,336.7	11,273.0	10,326.8	34.3	29.0	-88.80	1,110.3	-2,445.8	1,039.1	976.6	62.51	16.623		
11,020.0	10,336.8	11,293.0	10,326.8	34.3	29.0	-88.80	1,130.3	-2,445.9	1,039.1	976.5	62.59	16.602		
11,100.0	10,337.1	11,373.0	10,327.1	34.5	29.2	-88.79	1,210.3	-2,446.0	1,039.1	976.2	62.92	16.516		
11,115.0	10,337.2	11,388.0	10,327.2	34.5	29.3	-88.79	1,225.3	-2,446.1	1,039.1	976.2	62.98	16.500		
11,200.0	10,337.5	11,473.0	10,327.5	34.6	29.5	-88.79	1,310.3	-2,446.3	1,039.2	975.8	63.35	16.402		
11,210.0	10,337.6	11,483.0	10,327.5	34.6	29.5	-88.79	1,320.3	-2,446.3	1,039.2	975.8	63.40	16.391		
11,300.0	10,337.9	11,573.0	10,327.8	34.8	29.8	-88.79	1,410.3	-2,446.5	1,039.2	975.4	63.83	16.282		
11,305.0	10,338.0	11,578.0	10,327.8	34.8	29.8	-88.79	1,415.3	-2,446.5	1,039.2	975.4	63.85	16.275		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-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)					
11,400.0	10,338.4	11,673.0	10,328.1	35.0	30.1	-88.78	1,510.3	-2,446.7	1,039.2	974.9	64.33	16.154	
11,495.0	10,338.7	11,768.0	10,328.5	35.2	30.3	-88.78	1,605.3	-2,446.9	1,039.3	974.4	64.84	16.027	
11,500.0	10,338.8	11,773.0	10,328.5	35.2	30.4	-88.78	1,610.3	-2,446.9	1,039.3	974.4	64.87	16.021	
11,590.0	10,339.1	11,863.0	10,328.8	35.4	30.6	-88.77	1,700.3	-2,447.2	1,039.3	973.9	65.38	15.896	
11,600.0	10,339.2	11,873.0	10,328.8	35.4	30.7	-88.77	1,710.3	-2,447.2	1,039.3	973.9	65.44	15.882	
11,685.0	10,339.5	11,958.0	10,329.1	35.6	31.0	-88.77	1,795.3	-2,447.4	1,039.3	973.4	65.95	15.760	
11,700.0	10,339.6	11,973.0	10,329.2	35.6	31.0	-88.77	1,810.3	-2,447.4	1,039.3	973.3	66.04	15.738	
11,780.0	10,339.9	12,053.0	10,329.4	35.8	31.3	-88.77	1,890.2	-2,447.6	1,039.4	972.8	66.54	15.620	
11,800.0	10,340.0	12,073.0	10,329.5	35.9	31.4	-88.77	1,910.2	-2,447.6	1,039.4	972.7	66.67	15.590	
11,875.0	10,340.3	12,148.0	10,329.8	36.1	31.6	-88.76	1,985.2	-2,447.8	1,039.4	972.2	67.16	15.476	
11,900.0	10,340.4	12,173.0	10,329.9	36.1	31.7	-88.76	2,010.2	-2,447.9	1,039.4	972.1	67.33	15.439	
11,970.0	10,340.7	12,243.0	10,330.1	36.3	32.0	-88.76	2,080.2	-2,448.0	1,039.4	971.6	67.80	15.330	
12,000.0	10,340.8	12,273.0	10,330.2	36.4	32.1	-88.76	2,110.2	-2,448.1	1,039.4	971.4	68.01	15.283	
12,065.0	10,341.1	12,338.0	10,330.4	36.6	32.3	-88.75	2,175.2	-2,448.2	1,039.5	971.0	68.47	15.181	
12,100.0	10,341.3	12,373.0	10,330.5	36.7	32.5	-88.75	2,210.2	-2,448.3	1,039.5	970.7	68.72	15.125	
12,160.0	10,341.5	12,433.0	10,330.7	36.9	32.7	-88.75	2,270.2	-2,448.4	1,039.5	970.3	69.17	15.029	
12,200.0	10,341.7	12,473.0	10,330.9	37.0	32.9	-88.75	2,310.2	-2,448.5	1,039.5	970.0	69.46	14.965	
12,255.0	10,341.9	12,528.0	10,331.1	37.2	33.1	-88.75	2,365.2	-2,448.7	1,039.5	969.6	69.88	14.876	
12,300.0	10,342.1	12,573.0	10,331.2	37.4	33.3	-88.75	2,410.2	-2,448.8	1,039.5	969.3	70.23	14.803	
12,350.0	10,342.3	12,623.0	10,331.4	37.5	33.5	-88.74	2,460.2	-2,448.9	1,039.6	968.9	70.62	14.721	
12,400.0	10,342.5	12,673.0	10,331.6	37.7	33.7	-88.74	2,510.2	-2,449.0	1,039.6	968.6	71.02	14.639	
12,445.0	10,342.7	12,718.0	10,331.7	37.9	33.9	-88.74	2,555.2	-2,449.1	1,039.6	968.2	71.38	14.564	
12,500.0	10,342.9	12,773.0	10,331.9	38.1	34.2	-88.74	2,610.2	-2,449.2	1,039.6	967.8	71.83	14.474	
12,540.0	10,343.1	12,813.0	10,332.0	38.2	34.3	-88.74	2,650.2	-2,449.3	1,039.6	967.5	72.16	14.407	
12,600.0	10,343.3	12,873.0	10,332.3	38.4	34.6	-88.73	2,710.2	-2,449.4	1,039.6	967.0	72.66	14.308	
12,635.0	10,343.5	12,908.0	10,332.4	38.6	34.8	-88.73	2,745.2	-2,449.5	1,039.6	966.7	72.96	14.249	
12,700.0	10,343.7	12,973.0	10,332.6	38.8	35.1	-88.73	2,810.2	-2,449.7	1,039.7	966.1	73.52	14.141	
12,730.0	10,343.9	13,003.0	10,332.7	38.9	35.2	-88.73	2,840.2	-2,449.7	1,039.7	965.9	73.78	14.091	
12,800.0	10,344.2	13,073.0	10,332.9	39.2	35.6	-88.73	2,910.2	-2,449.9	1,039.7	965.3	74.40	13.975	
12,825.0	10,344.3	13,098.0	10,333.0	39.3	35.7	-88.72	2,935.2	-2,450.0	1,039.7	965.1	74.62	13.933	
12,900.0	10,344.6	13,173.0	10,333.3	39.6	36.0	-88.72	3,010.2	-2,450.1	1,039.7	964.4	75.30	13.808	
12,920.0	10,344.7	13,193.0	10,333.3	39.7	36.1	-88.72	3,030.2	-2,450.2	1,039.7	964.3	75.48	13.775	
13,000.0	10,345.0	13,273.0	10,333.6	40.0	36.5	-88.72	3,110.2	-2,450.3	1,039.8	963.6	76.22	13.642	
13,015.0	10,345.0	13,288.0	10,333.7	40.1	36.6	-88.72	3,125.2	-2,450.4	1,039.8	963.4	76.36	13.617	
13,100.0	10,345.4	13,373.0	10,334.0	40.4	37.0	-88.71	3,210.2	-2,450.6	1,039.8	962.6	77.16	13.476	
13,110.0	10,345.4	13,383.0	10,334.0	40.5	37.1	-88.71	3,220.2	-2,450.6	1,039.8	962.6	77.25	13.460	
13,200.0	10,345.8	13,473.0	10,334.3	40.9	37.5	-88.71	3,310.2	-2,450.8	1,039.8	961.7	78.11	13.312	
13,205.0	10,345.8	13,478.0	10,334.3	40.9	37.6	-88.71	3,315.2	-2,450.8	1,039.8	961.7	78.16	13.303	
13,300.0	10,346.2	13,573.0	10,334.6	41.3	38.0	-88.71	3,410.2	-2,451.0	1,039.9	960.8	79.09	13.148	
13,395.0	10,346.6	13,668.0	10,335.0	41.8	38.5	-88.70	3,505.2	-2,451.2	1,039.9	959.9	80.03	12.994	
13,400.0	10,346.6	13,673.0	10,335.0	41.8	38.6	-88.70	3,510.2	-2,451.3	1,039.9	959.8	80.08	12.986	
13,490.0	10,347.0	13,763.0	10,335.3	42.2	39.0	-88.70	3,600.2	-2,451.5	1,039.9	958.9	80.99	12.840	
13,500.0	10,347.1	13,773.0	10,335.3	42.3	39.1	-88.70	3,610.2	-2,451.5	1,039.9	958.8	81.09	12.824	
13,585.0	10,347.4	13,858.0	10,335.6	42.7	39.6	-88.69	3,695.2	-2,451.7	1,040.0	958.0	81.96	12.689	
13,600.0	10,347.5	13,873.0	10,335.7	42.7	39.6	-88.69	3,710.2	-2,451.7	1,040.0	957.9	82.12	12.665	
13,680.0	10,347.8	13,953.0	10,335.9	43.1	40.1	-88.69	3,790.2	-2,451.9	1,040.0	957.0	82.95	12.538	
13,700.0	10,347.9	13,973.0	10,336.0	43.2	40.2	-88.69	3,810.2	-2,451.9	1,040.0	956.8	83.16	12.507	
13,775.0	10,348.2	14,048.0	10,336.3	43.6	40.6	-88.69	3,885.2	-2,452.1	1,040.0	956.1	83.95	12.389	
13,800.0	10,348.3	14,073.0	10,336.4	43.7	40.7	-88.69	3,910.2	-2,452.2	1,040.0	955.8	84.21	12.351	
13,870.0	10,348.6	14,143.0	10,336.6	44.1	41.1	-88.68	3,980.2	-2,452.3	1,040.1	955.1	84.96	12.242	
13,900.0	10,348.7	14,173.0	10,336.7	44.2	41.3	-88.68	4,010.2	-2,452.4	1,040.1	954.8	85.28	12.196	

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-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									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			
13,965.0	10,349.0	14,238.0	10,336.9	44.5	41.7	-88.68	4,075.2	-2,452.5	1,040.1	954.1	85.98	12.097			
14,000.0	10,349.1	14,273.0	10,337.0	44.7	41.9	-88.68	4,110.2	-2,452.6	1,040.1	953.7	86.36	12.044			
14,060.0	10,349.4	14,333.0	10,337.2	45.0	42.2	-88.68	4,170.2	-2,452.8	1,040.1	953.1	87.02	11.953			
14,100.0	10,349.5	14,373.0	10,337.4	45.2	42.4	-88.67	4,210.2	-2,452.8	1,040.1	952.7	87.46	11.893			
14,155.0	10,349.8	14,428.0	10,337.6	45.5	42.8	-88.67	4,265.2	-2,453.0	1,040.2	952.1	88.07	11.811			
14,200.0	10,350.0	14,473.0	10,337.7	45.8	43.0	-88.67	4,310.2	-2,453.1	1,040.2	951.6	88.57	11.745			
14,250.0	10,350.2	14,523.0	10,337.9	46.0	43.3	-88.67	4,360.2	-2,453.2	1,040.2	951.1	89.13	11.671			
14,300.0	10,350.4	14,573.0	10,338.1	46.3	43.6	-88.67	4,410.2	-2,453.3	1,040.2	950.5	89.69	11.598			
14,345.0	10,350.6	14,618.0	10,338.2	46.5	43.9	-88.66	4,455.2	-2,453.4	1,040.2	950.0	90.20	11.533			
14,400.0	10,350.8	14,673.0	10,338.4	46.8	44.2	-88.66	4,510.2	-2,453.5	1,040.2	949.4	90.82	11.454			
14,440.0	10,351.0	14,713.0	10,338.5	47.0	44.4	-88.66	4,550.2	-2,453.6	1,040.2	949.0	91.28	11.397			
14,500.0	10,351.2	14,773.0	10,338.8	47.4	44.8	-88.66	4,610.2	-2,453.8	1,040.3	948.3	91.96	11.312			
14,535.0	10,351.3	14,808.0	10,338.9	47.6	45.0	-88.66	4,645.2	-2,453.8	1,040.3	947.9	92.37	11.263			
14,600.0	10,351.6	14,873.0	10,339.1	47.9	45.4	-88.65	4,710.2	-2,454.0	1,040.3	947.2	93.12	11.172			
14,630.0	10,351.7	14,903.0	10,339.2	48.1	45.6	-88.65	4,740.2	-2,454.0	1,040.3	946.8	93.47	11.130			
14,700.0	10,352.0	14,973.0	10,339.4	48.5	46.0	-88.65	4,810.2	-2,454.2	1,040.3	946.1	94.28	11.034			
14,725.0	10,352.1	14,998.0	10,339.5	48.6	46.1	-88.65	4,835.2	-2,454.3	1,040.3	945.8	94.58	11.000			
14,800.0	10,352.4	15,073.0	10,339.8	49.0	46.6	-88.65	4,910.2	-2,454.4	1,040.4	944.9	95.46	10.899			
14,820.0	10,352.5	15,093.0	10,339.8	49.2	46.7	-88.65	4,930.2	-2,454.5	1,040.4	944.7	95.70	10.872			
14,900.0	10,352.9	15,173.0	10,340.1	49.6	47.2	-88.64	5,010.2	-2,454.7	1,040.4	943.8	96.64	10.765			
14,915.0	10,352.9	15,188.0	10,340.2	49.7	47.3	-88.64	5,025.2	-2,454.7	1,040.4	943.6	96.82	10.745			
15,000.0	10,353.3	15,273.0	10,340.5	50.2	47.8	-88.64	5,110.2	-2,454.9	1,040.4	942.6	97.84	10.634			
15,010.0	10,353.3	15,283.0	10,340.5	50.2	47.9	-88.64	5,120.2	-2,454.9	1,040.4	942.5	97.96	10.621			
15,100.0	10,353.7	15,373.0	10,340.8	50.8	48.4	-88.64	5,210.2	-2,455.1	1,040.5	941.4	99.04	10.505			
15,105.0	10,353.7	15,378.0	10,340.8	50.8	48.5	-88.63	5,215.2	-2,455.1	1,040.5	941.4	99.10	10.499			
15,200.0	10,354.1	15,473.0	10,341.1	51.4	49.1	-88.63	5,310.2	-2,455.3	1,040.5	940.2	100.26	10.379			
15,295.0	10,354.5	15,568.0	10,341.5	51.9	49.7	-88.63	5,405.2	-2,455.6	1,040.5	939.1	101.41	10.260			
15,300.0	10,354.5	15,573.0	10,341.5	51.9	49.7	-88.63	5,410.2	-2,455.6	1,040.5	939.1	101.48	10.254			
15,390.0	10,354.9	15,663.0	10,341.8	52.5	50.3	-88.62	5,500.2	-2,455.8	1,040.6	938.0	102.58	10.144			
15,400.0	10,354.9	15,673.0	10,341.8	52.5	50.3	-88.62	5,510.2	-2,455.8	1,040.6	937.9	102.71	10.132			
15,485.0	10,355.3	15,758.0	10,342.1	53.0	50.9	-88.62	5,595.2	-2,456.0	1,040.6	936.8	103.76	10.029			
15,500.0	10,355.3	15,773.0	10,342.2	53.1	51.0	-88.62	5,610.2	-2,456.0	1,040.6	936.7	103.94	10.011			
15,580.0	10,355.7	15,853.0	10,342.4	53.6	51.5	-88.62	5,690.2	-2,456.2	1,040.6	935.7	104.94	9.917			
15,600.0	10,355.8	15,873.0	10,342.5	53.7	51.6	-88.62	5,710.2	-2,456.2	1,040.6	935.4	105.19	9.893			
15,675.0	10,356.1	15,948.0	10,342.8	54.2	52.1	-88.61	5,785.2	-2,456.4	1,040.7	934.5	106.13	9.806			
15,700.0	10,356.2	15,973.0	10,342.9	54.3	52.3	-88.61	5,810.2	-2,456.5	1,040.7	934.2	106.44	9.777			
15,770.0	10,356.5	16,043.0	10,343.1	54.8	52.7	-88.61	5,880.2	-2,456.6	1,040.7	933.4	107.32	9.697			
15,800.0	10,356.6	16,073.0	10,343.2	55.0	52.9	-88.61	5,910.2	-2,456.7	1,040.7	933.0	107.70	9.663			
15,865.0	10,356.9	16,138.0	10,343.4	55.4	53.3	-88.60	5,975.2	-2,456.8	1,040.7	932.2	108.52	9.590			
15,900.0	10,357.0	16,173.0	10,343.5	55.6	53.5	-88.60	6,010.2	-2,456.9	1,040.7	931.8	108.96	9.551			
15,960.0	10,357.3	16,233.0	10,343.7	55.9	53.9	-88.60	6,070.2	-2,457.1	1,040.8	931.0	109.73	9.485			
16,000.0	10,357.4	16,273.0	10,343.9	56.2	54.2	-88.60	6,110.2	-2,457.2	1,040.8	930.5	110.24	9.441			
16,055.0	10,357.7	16,328.0	10,344.1	56.5	54.6	-88.60	6,165.2	-2,457.3	1,040.8	929.8	110.94	9.382			
16,100.0	10,357.8	16,373.0	10,344.2	56.8	54.9	-88.60	6,210.2	-2,457.4	1,040.8	929.3	111.51	9.333			
16,150.0	10,358.0	16,423.0	10,344.4	57.1	55.2	-88.59	6,260.2	-2,457.5	1,040.8	928.7	112.16	9.280			
16,200.0	10,358.3	16,473.0	10,344.6	57.4	55.5	-88.59	6,310.2	-2,457.6	1,040.8	928.0	112.80	9.227			
16,245.0	10,358.4	16,518.0	10,344.7	57.7	55.8	-88.59	6,355.2	-2,457.7	1,040.9	927.5	113.38	9.180			
16,300.0	10,358.7	16,573.0	10,344.9	58.1	56.2	-88.59	6,410.2	-2,457.8	1,040.9	926.8	114.09	9.123			
16,340.0	10,358.8	16,613.0	10,345.0	58.3	56.4	-88.59	6,450.2	-2,457.9	1,040.9	926.3	114.61	9.082			
16,400.0	10,359.1	16,673.0	10,345.3	58.7	56.8	-88.58	6,510.2	-2,458.1	1,040.9	925.5	115.39	9.021			
16,435.0	10,359.2	16,708.0	10,345.4	58.9	57.1	-88.58	6,545.2	-2,458.1	1,040.9	925.1	115.84	8.986			

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-r.5 MWD+IFR1+MS		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 3.0 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
16,500.0	10,359.5	16,773.0	10,345.6	59.3	57.5	-88.58	6,610.2	-2,458.3	1,040.9	924.2	116.69	8.921		
16,530.0	10,359.6	16,803.0	10,345.7	59.5	57.7	-88.58	6,640.2	-2,458.4	1,040.9	923.9	117.08	8.891		
16,600.0	10,359.9	16,873.0	10,345.9	60.0	58.2	-88.58	6,710.2	-2,458.5	1,041.0	923.0	118.00	8.822		
16,625.0	10,360.0	16,898.0	10,346.0	60.1	58.3	-88.57	6,735.2	-2,458.6	1,041.0	922.7	118.32	8.798		
16,700.0	10,360.3	16,973.0	10,346.3	60.6	58.8	-88.57	6,810.2	-2,458.7	1,041.0	921.7	119.31	8.725		
16,720.0	10,360.4	16,993.0	10,346.3	60.7	59.0	-88.57	6,830.2	-2,458.8	1,041.0	921.4	119.57	8.706		
16,800.0	10,360.7	17,073.0	10,346.6	61.3	59.5	-88.57	6,910.2	-2,459.0	1,041.0	920.4	120.63	8.630		
16,815.0	10,360.8	17,088.0	10,346.7	61.4	59.6	-88.57	6,925.2	-2,459.0	1,041.0	920.2	120.82	8.616		
16,900.0	10,361.2	17,173.0	10,347.0	61.9	60.2	-88.56	7,010.2	-2,459.2	1,041.1	919.1	121.95	8.537		
16,910.0	10,361.2	17,183.0	10,347.0	62.0	60.3	-88.56	7,020.2	-2,459.2	1,041.1	919.0	122.08	8.528		
17,000.0	10,361.6	17,273.0	10,347.3	62.6	60.9	-88.56	7,110.2	-2,459.4	1,041.1	917.8	123.28	8.445		
17,005.0	10,361.6	17,278.0	10,347.3	62.6	60.9	-88.56	7,115.2	-2,459.4	1,041.1	917.8	123.34	8.441		
17,100.0	10,362.0	17,373.0	10,347.6	63.2	61.5	-88.56	7,210.2	-2,459.6	1,041.1	916.5	124.61	8.355		
17,195.0	10,362.4	17,468.0	10,348.0	63.8	62.2	-88.55	7,305.2	-2,459.9	1,041.2	915.3	125.88	8.271		
17,200.0	10,362.4	17,473.0	10,348.0	63.9	62.2	-88.55	7,310.2	-2,459.9	1,041.2	915.2	125.94	8.267		
17,290.0	10,362.8	17,563.0	10,348.3	64.5	62.8	-88.55	7,400.2	-2,460.1	1,041.2	914.0	127.15	8.189		
17,300.0	10,362.8	17,573.0	10,348.3	64.5	62.9	-88.55	7,410.2	-2,460.1	1,041.2	913.9	127.28	8.180		
17,385.0	10,363.2	17,658.0	10,348.6	65.1	63.5	-88.55	7,495.2	-2,460.3	1,041.2	912.8	128.43	8.108		
17,400.0	10,363.2	17,673.0	10,348.7	65.2	63.6	-88.54	7,510.2	-2,460.3	1,041.2	912.6	128.63	8.095		
17,480.0	10,363.6	17,753.0	10,348.9	65.7	64.1	-88.54	7,590.2	-2,460.5	1,041.3	911.6	129.71	8.028		
17,500.0	10,363.6	17,773.0	10,349.0	65.8	64.3	-88.54	7,610.2	-2,460.6	1,041.3	911.3	129.98	8.011		
17,575.0	10,364.0	17,848.0	10,349.3	66.3	64.8	-88.54	7,685.2	-2,460.7	1,041.3	910.3	130.99	7.949		
17,600.0	10,364.1	17,873.0	10,349.4	66.5	65.0	-88.54	7,710.2	-2,460.8	1,041.3	910.0	131.33	7.929		
17,670.0	10,364.3	17,943.0	10,349.6	67.0	65.5	-88.53	7,780.2	-2,460.9	1,041.3	909.0	132.28	7.872		
17,700.0	10,364.5	17,973.0	10,349.7	67.2	65.7	-88.53	7,810.2	-2,461.0	1,041.3	908.7	132.69	7.848		
17,765.0	10,364.7	18,038.0	10,349.9	67.6	66.1	-88.53	7,875.2	-2,461.2	1,041.4	907.8	133.57	7.796		
17,800.0	10,364.9	18,073.0	10,350.0	67.8	66.3	-88.53	7,910.2	-2,461.2	1,041.4	907.3	134.05	7.769		
17,860.0	10,365.1	18,133.0	10,350.2	68.2	66.8	-88.53	7,970.2	-2,461.4	1,041.4	906.5	134.86	7.722		
17,900.0	10,365.3	18,173.0	10,350.4	68.5	67.0	-88.52	8,010.2	-2,461.5	1,041.4	906.0	135.41	7.691		
17,955.0	10,365.5	18,228.0	10,350.6	68.9	67.4	-88.52	8,065.2	-2,461.6	1,041.4	905.3	136.16	7.648		
18,000.0	10,365.7	18,273.0	10,350.7	69.2	67.7	-88.52	8,110.2	-2,461.7	1,041.4	904.7	136.78	7.614		
18,050.0	10,365.9	18,323.0	10,350.9	69.5	68.1	-88.52	8,160.2	-2,461.8	1,041.5	904.0	137.46	7.576		
18,100.0	10,366.1	18,373.0	10,351.1	69.9	68.4	-88.52	8,210.2	-2,461.9	1,041.5	903.3	138.15	7.539		
18,145.0	10,366.3	18,418.0	10,351.2	70.2	68.7	-88.52	8,255.2	-2,462.0	1,041.5	902.7	138.77	7.505		
18,200.0	10,366.5	18,473.0	10,351.4	70.5	69.1	-88.51	8,310.2	-2,462.1	1,041.5	902.0	139.52	7.465		
18,240.0	10,366.7	18,513.0	10,351.5	70.8	69.4	-88.51	8,350.2	-2,462.2	1,041.5	901.4	140.07	7.436		
18,300.0	10,367.0	18,573.0	10,351.8	71.2	69.8	-88.51	8,410.2	-2,462.4	1,041.5	900.6	140.90	7.392		
18,335.0	10,367.1	18,608.0	10,351.9	71.4	70.1	-88.51	8,445.2	-2,462.4	1,041.5	900.2	141.38	7.367		
18,400.0	10,367.4	18,673.0	10,352.1	71.9	70.5	-88.51	8,510.2	-2,462.6	1,041.6	899.3	142.28	7.321		
18,430.0	10,367.5	18,703.0	10,352.2	72.1	70.7	-88.50	8,540.2	-2,462.7	1,041.6	898.9	142.69	7.300		
18,500.0	10,367.8	18,773.0	10,352.4	72.6	71.2	-88.50	8,610.2	-2,462.8	1,041.6	897.9	143.66	7.251		
18,525.0	10,367.9	18,798.0	10,352.5	72.7	71.4	-88.50	8,635.2	-2,462.9	1,041.6	897.6	144.01	7.233		
18,600.0	10,368.2	18,873.0	10,352.8	73.3	71.9	-88.50	8,710.2	-2,463.0	1,041.6	896.6	145.05	7.181		
18,620.0	10,368.3	18,893.0	10,352.8	73.4	72.1	-88.50	8,730.2	-2,463.1	1,041.6	896.3	145.32	7.168		
18,700.0	10,368.6	18,973.0	10,353.1	73.9	72.6	-88.49	8,810.2	-2,463.3	1,041.7	895.2	146.43	7.114		
18,715.0	10,368.7	18,988.0	10,353.2	74.0	72.7	-88.49	8,825.2	-2,463.3	1,041.7	895.0	146.64	7.104		
18,800.0	10,369.0	19,073.0	10,353.5	74.6	73.3	-88.49	8,910.2	-2,463.5	1,041.7	893.9	147.82	7.047		
18,810.0	10,369.1	19,083.0	10,353.5	74.7	73.4	-88.49	8,920.2	-2,463.5	1,041.7	893.7	147.96	7.040		
18,900.0	10,369.4	19,173.0	10,353.8	75.3	74.0	-88.49	9,010.2	-2,463.7	1,041.7	892.5	149.22	6.981		
18,905.0	10,369.5	19,178.0	10,353.8	75.3	74.1	-88.49	9,015.2	-2,463.7	1,041.7	892.5	149.29	6.978		
19,000.0	10,369.9	19,273.0	10,354.1	76.0	74.8	-88.48	9,110.2	-2,464.0	1,041.8	891.2	150.61	6.917		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,095.0	10,370.3	19,368.0	10,354.5	76.7	75.4	-88.48	9,205.2	-2,464.2	1,041.8	889.9	151.94	6.857		
19,100.0	10,370.3	19,373.0	10,354.5	76.7	75.5	-88.48	9,210.2	-2,464.2	1,041.8	889.8	152.01	6.853		
19,190.0	10,370.6	19,463.0	10,354.8	77.3	76.1	-88.47	9,300.2	-2,464.4	1,041.8	888.6	153.27	6.797		
19,200.0	10,370.7	19,473.0	10,354.8	77.4	76.2	-88.47	9,310.2	-2,464.4	1,041.8	888.4	153.41	6.791		
19,285.0	10,371.0	19,558.0	10,355.1	78.0	76.8	-88.47	9,395.2	-2,464.6	1,041.9	887.3	154.61	6.739		
19,300.0	10,371.1	19,573.0	10,355.2	78.1	76.9	-88.47	9,410.2	-2,464.6	1,041.9	887.1	154.82	6.730		
19,380.0	10,371.4	19,653.0	10,355.4	78.6	77.5	-88.47	9,490.2	-2,464.8	1,041.9	886.0	155.94	6.681		
19,400.0	10,371.5	19,673.0	10,355.5	78.8	77.6	-88.47	9,510.2	-2,464.9	1,041.9	885.7	156.22	6.669		
19,475.0	10,371.8	19,748.0	10,355.8	79.3	78.1	-88.46	9,585.2	-2,465.0	1,041.9	884.7	157.28	6.625		
19,500.0	10,371.9	19,773.0	10,355.9	79.5	78.3	-88.46	9,610.2	-2,465.1	1,041.9	884.3	157.63	6.610		
19,570.0	10,372.2	19,843.0	10,356.1	80.0	78.8	-88.46	9,680.2	-2,465.2	1,042.0	883.3	158.62	6.569		
19,600.0	10,372.3	19,873.0	10,356.2	80.2	79.0	-88.46	9,710.2	-2,465.3	1,042.0	882.9	159.04	6.552		
19,665.0	10,372.6	19,938.0	10,356.4	80.6	79.5	-88.46	9,775.2	-2,465.5	1,042.0	882.0	159.96	6.514		
19,700.0	10,372.8	19,973.0	10,356.5	80.9	79.7	-88.45	9,810.2	-2,465.5	1,042.0	881.6	160.46	6.494		
19,760.0	10,373.0	20,033.0	10,356.7	81.3	80.2	-88.45	9,870.2	-2,465.7	1,042.0	880.7	161.30	6.460		
19,800.0	10,373.2	20,073.0	10,356.9	81.6	80.4	-88.45	9,910.2	-2,465.8	1,042.0	880.2	161.87	6.438		
19,855.0	10,373.4	20,128.0	10,357.1	81.9	80.8	-88.45	9,965.2	-2,465.9	1,042.1	879.4	162.65	6.407		
19,900.0	10,373.6	20,173.0	10,357.2	82.3	81.2	-88.45	10,010.2	-2,466.0	1,042.1	878.8	163.29	6.382		
19,950.0	10,373.8	20,223.0	10,357.4	82.6	81.5	-88.44	10,060.2	-2,466.1	1,042.1	878.1	164.00	6.354		
20,000.0	10,374.0	20,273.0	10,357.6	83.0	81.9	-88.44	10,110.2	-2,466.2	1,042.1	877.4	164.70	6.327		
20,045.0	10,374.2	20,318.0	10,357.7	83.3	82.2	-88.44	10,155.2	-2,466.3	1,042.1	876.8	165.34	6.303		
20,100.0	10,374.4	20,373.0	10,357.9	83.7	82.6	-88.44	10,210.2	-2,466.4	1,042.1	876.0	166.13	6.273		
20,140.0	10,374.6	20,413.0	10,358.0	83.9	82.9	-88.44	10,250.2	-2,466.5	1,042.2	875.5	166.69	6.252		
20,200.0	10,374.8	20,473.0	10,358.3	84.4	83.3	-88.43	10,310.2	-2,466.7	1,042.2	874.6	167.55	6.220		
20,235.0	10,375.0	20,508.0	10,358.4	84.6	83.6	-88.43	10,345.2	-2,466.8	1,042.2	874.1	168.05	6.202		
20,300.0	10,375.2	20,573.0	10,358.6	85.1	84.0	-88.43	10,410.2	-2,466.9	1,042.2	873.2	168.97	6.168		
20,330.0	10,375.4	20,603.0	10,358.7	85.3	84.3	-88.43	10,440.2	-2,467.0	1,042.2	872.8	169.40	6.152		
20,400.0	10,375.7	20,673.0	10,358.9	85.8	84.8	-88.43	10,510.2	-2,467.1	1,042.2	871.8	170.40	6.117		
20,425.0	10,375.8	20,698.0	10,359.0	86.0	84.9	-88.43	10,535.2	-2,467.2	1,042.3	871.5	170.75	6.104		
20,500.0	10,376.1	20,773.0	10,359.3	86.5	85.5	-88.42	10,610.2	-2,467.4	1,042.3	870.5	171.83	6.066		
20,520.0	10,376.2	20,793.0	10,359.3	86.6	85.6	-88.42	10,630.2	-2,467.4	1,042.3	870.2	172.11	6.056		
20,600.0	10,376.5	20,873.0	10,359.6	87.2	86.2	-88.42	10,710.2	-2,467.6	1,042.3	869.1	173.25	6.016		
20,615.0	10,376.6	20,888.0	10,359.7	87.3	86.3	-88.42	10,725.2	-2,467.6	1,042.3	868.8	173.47	6.009		
20,700.0	10,376.9	20,973.0	10,360.0	87.9	86.9	-88.41	10,810.2	-2,467.8	1,042.3	867.7	174.69	5.967		
20,710.0	10,376.9	20,983.0	10,360.0	88.0	87.0	-88.41	10,820.2	-2,467.8	1,042.3	867.5	174.83	5.962		
20,800.0	10,377.3	21,073.0	10,360.3	88.6	87.6	-88.41	10,910.2	-2,468.0	1,042.4	866.3	176.12	5.919		
20,805.0	10,377.3	21,078.0	10,360.3	88.6	87.7	-88.41	10,915.2	-2,468.0	1,042.4	866.2	176.19	5.916		
20,900.0	10,377.7	21,173.0	10,360.6	89.3	88.4	-88.41	11,010.2	-2,468.3	1,042.4	864.9	177.55	5.871		
20,995.0	10,378.1	21,268.0	10,361.0	90.0	89.1	-88.40	11,105.2	-2,468.5	1,042.4	863.5	178.92	5.826		
21,000.0	10,378.1	21,273.0	10,361.0	90.0	89.1	-88.40	11,110.2	-2,468.5	1,042.4	863.5	178.99	5.824		
21,090.0	10,378.5	21,363.0	10,361.3	90.7	89.7	-88.40	11,200.2	-2,468.7	1,042.5	862.2	180.28	5.782		
21,100.0	10,378.6	21,373.0	10,361.3	90.7	89.8	-88.40	11,210.2	-2,468.7	1,042.5	862.1	180.42	5.778		
21,185.0	10,378.9	21,458.0	10,361.6	91.3	90.4	-88.40	11,295.2	-2,468.9	1,042.5	860.9	181.65	5.739		
21,200.0	10,379.0	21,473.0	10,361.7	91.5	90.5	-88.39	11,310.2	-2,468.9	1,042.5	860.6	181.86	5.732		
21,280.0	10,379.3	21,553.0	10,361.9	92.0	91.1	-88.39	11,390.2	-2,469.1	1,042.5	859.5	183.02	5.696		
21,300.0	10,379.4	21,573.0	10,362.0	92.2	91.3	-88.39	11,410.2	-2,469.2	1,042.5	859.2	183.30	5.688		
21,375.0	10,379.7	21,648.0	10,362.3	92.7	91.8	-88.39	11,485.2	-2,469.3	1,042.6	858.2	184.38	5.654		
21,400.0	10,379.8	21,673.0	10,362.4	92.9	92.0	-88.39	11,510.2	-2,469.4	1,042.6	857.8	184.74	5.643		
21,470.0	10,380.1	21,743.0	10,362.6	93.4	92.5	-88.38	11,580.2	-2,469.6	1,042.6	856.8	185.75	5.613		
21,500.0	10,380.2	21,773.0	10,362.7	93.6	92.7	-88.38	11,610.2	-2,469.6	1,042.6	856.4	186.19	5.600		
21,565.0	10,380.5	21,838.0	10,362.9	94.1	93.2	-88.38	11,675.2	-2,469.8	1,042.6	855.5	187.13	5.572		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 #907H - 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, 9855-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Rule Assigned:												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	
21,600.0	10,380.6	21,873.0	10,363.0	94.3	93.5	-88.38	11,710.2	-2,469.8	1,042.6	855.0	187.63	5.557	
21,660.0	10,380.9	21,933.0	10,363.2	94.7	93.9	-88.38	11,770.2	-2,470.0	1,042.7	854.2	188.50	5.531	
21,700.0	10,381.1	21,973.0	10,363.4	95.0	94.2	-88.38	11,810.2	-2,470.1	1,042.7	853.6	189.08	5.515	
21,755.0	10,381.3	22,028.0	10,363.6	95.4	94.6	-88.37	11,865.2	-2,470.2	1,042.7	852.8	189.87	5.492	
21,800.0	10,381.5	22,073.0	10,363.7	95.7	94.9	-88.37	11,910.2	-2,470.3	1,042.7	852.2	190.52	5.473	
21,850.0	10,381.7	22,123.0	10,363.9	96.1	95.3	-88.37	11,960.2	-2,470.4	1,042.7	851.5	191.25	5.452	
21,900.0	10,381.9	22,173.0	10,364.1	96.5	95.6	-88.37	12,010.2	-2,470.5	1,042.7	850.8	191.97	5.432	
21,945.0	10,382.1	22,218.0	10,364.2	96.8	96.0	-88.37	12,055.2	-2,470.6	1,042.8	850.1	192.62	5.413	
22,000.0	10,382.3	22,273.0	10,364.4	97.2	96.4	-88.36	12,110.2	-2,470.8	1,042.8	849.4	193.42	5.391	
22,040.1	10,382.5	22,313.0	10,364.5	97.5	96.7	-88.36	12,150.2	-2,470.8	1,042.8	848.8	194.00	5.375	
22,100.0	10,382.7	22,373.0	10,364.8	97.9	97.1	-88.36	12,210.2	-2,471.0	1,042.8	847.9	194.87	5.351	
22,135.0	10,382.9	22,408.0	10,364.9	98.1	97.4	-88.36	12,245.2	-2,471.1	1,042.8	847.5	195.37	5.338	
22,170.0	10,383.0	22,443.0	10,365.0	98.4	97.6	-88.36	12,280.2	-2,471.1	1,042.8	847.0	195.88	5.324 ES, SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	3.0	3.0	-89.16	11.5	-785.1	786.3					
95.0	95.0	54.2	54.2	3.0	3.1	-89.16	11.5	-785.1	785.2	779.1	6.09	128.941		
100.0	100.0	59.2	59.2	3.0	3.1	-89.16	11.5	-785.1	785.2	779.1	6.11	128.604		
190.0	190.0	149.2	149.2	3.1	3.5	-89.16	11.5	-785.1	785.2	778.6	6.60	119.037		
200.0	200.0	159.2	159.2	3.2	3.5	-89.16	11.5	-785.1	785.2	778.5	6.67	117.689		
285.0	285.0	244.2	244.2	3.3	4.4	-89.16	11.5	-785.1	785.2	777.6	7.61	103.227		
300.0	300.0	259.2	259.2	3.3	4.7	-89.16	11.5	-785.1	785.2	777.2	7.97	98.482		
380.0	380.0	339.2	339.2	3.4	6.8	-89.13	12.0	-785.1	785.2	775.1	10.15	77.344		
400.0	400.0	359.3	359.2	3.4	7.4	-89.13	11.9	-785.1	785.2	774.5	10.74	73.134		
475.0	475.0	434.4	434.2	3.5	9.6	-89.16	11.5	-785.1	785.2	772.1	13.11	59.911		
500.0	500.0	459.4	459.2	3.5	10.6	-89.16	11.5	-785.1	785.2	771.1	14.09	55.734		
570.0	570.0	529.4	529.2	3.6	13.3	-89.07	12.8	-785.1	785.2	768.3	16.87	46.547		
600.0	600.0	559.5	559.3	3.6	14.5	-89.08	12.6	-785.1	785.2	767.1	18.08	43.435		
665.0	665.0	624.6	624.2	3.7	17.0	-89.16	11.5	-785.1	785.2	764.5	20.67	37.979		
700.0	700.0	659.6	659.2	3.8	18.2	-89.16	11.5	-785.1	785.2	763.3	21.92	35.820		
760.0	760.0	719.6	719.2	3.8	20.3	-89.16	11.5	-785.1	785.2	761.1	24.06	32.636		
800.0	800.0	759.8	759.3	3.9	21.7	-89.07	12.8	-785.1	785.2	759.7	25.49	30.802		
855.0	855.0	815.0	814.5	4.0	23.6	-89.12	12.0	-785.1	785.2	757.7	27.47	28.586		
900.0	900.0	859.8	859.2	4.0	25.1	-89.16	11.5	-785.1	785.2	756.2	29.02	27.056		
950.0	950.0	909.9	909.2	4.1	26.7	-89.13	12.0	-785.1	785.2	754.5	30.68	25.591		
1,000.0	1,000.0	959.9	959.2	4.1	28.4	-89.16	11.5	-785.1	785.2	752.8	32.35	24.271		
1,045.0	1,045.0	1,004.9	1,004.2	4.2	30.0	-89.16	11.5	-785.1	785.2	751.2	34.02	23.080		
1,100.0	1,100.0	1,060.0	1,059.2	4.3	32.0	-89.09	12.5	-785.1	785.2	749.1	36.06	21.772		
1,140.0	1,140.0	1,100.1	1,099.3	4.3	33.4	-89.10	12.3	-785.1	785.2	747.7	37.56	20.908		
1,200.0	1,200.0	1,160.1	1,159.2	4.4	35.6	-89.16	11.5	-785.1	785.2	745.4	39.82	19.718		
1,235.0	1,235.0	1,195.1	1,194.2	4.4	37.0	-89.16	11.5	-785.1	785.2	743.9	41.26	19.031		
1,300.0	1,300.0	1,260.4	1,259.4	4.5	39.7	-89.12	12.0	-785.1	785.2	741.3	43.94	17.870		
1,330.0	1,330.0	1,290.3	1,289.2	4.5	40.9	-89.16	11.5	-785.1	785.2	740.0	45.17	17.382		
1,400.0	1,400.0	1,360.3	1,359.2	4.6	44.0	-89.16	11.5	-785.1	785.2	736.9	48.33	16.247		
1,425.0	1,425.0	1,385.4	1,384.2	4.6	45.1	-89.17	11.4	-785.1	785.2	735.7	49.46	15.875		
1,426.7	1,426.7	1,387.1	1,385.9	4.6	45.2	-89.17	11.4	-785.1	785.2	735.7	49.54	15.850		
1,500.0	1,500.0	1,460.4	1,459.2	4.7	48.4	-89.17	11.4	-785.1	785.2	732.4	52.84	14.859		
1,520.0	1,520.0	1,480.7	1,479.2	4.7	49.3	-14.07	11.5	-785.1	785.1	731.4	53.74	14.609		
1,600.0	1,600.0	1,570.0	1,568.5	4.8	50.2	-13.96	13.5	-784.3	782.8	728.0	54.79	14.285		
1,615.0	1,615.0	1,585.2	1,583.7	4.9	50.2	-13.95	13.9	-784.1	782.0	727.2	54.84	14.261		
1,700.0	1,699.8	1,671.5	1,669.9	5.0	50.2	-13.92	15.8	-782.9	776.4	721.3	55.08	14.096		
1,710.0	1,709.8	1,681.6	1,680.1	5.0	50.2	-13.93	15.9	-782.8	775.6	720.4	55.11	14.073		
1,800.0	1,799.5	1,772.1	1,770.6	5.3	50.2	-14.04	17.0	-781.4	766.4	711.1	55.38	13.841		
1,805.0	1,804.4	1,777.1	1,775.6	5.3	50.2	-14.04	17.1	-781.3	765.8	710.5	55.39	13.826		
1,900.0	1,898.7	1,876.1	1,874.6	5.6	50.2	-14.26	18.1	-779.5	752.8	697.2	55.69	13.519		
1,995.0	1,992.5	1,976.1	1,974.5	5.9	50.2	-14.55	19.2	-776.9	736.0	680.0	55.99	13.145		
2,000.0	1,997.5	1,981.3	1,979.7	5.9	50.2	-14.57	19.3	-776.7	735.0	679.0	56.01	13.124		
2,090.0	2,085.8	2,065.5	2,063.8	6.2	50.2	-14.91	20.4	-774.2	715.9	659.6	56.33	12.709		
2,100.0	2,095.6	2,074.6	2,073.0	6.2	50.2	-14.95	20.4	-773.9	713.7	657.3	56.37	12.661		
2,185.0	2,178.5	2,160.9	2,159.2	6.5	50.3	-15.44	21.0	-771.6	693.2	636.5	56.67	12.231		
2,200.0	2,193.1	2,176.4	2,174.7	6.6	50.3	-15.53	21.1	-771.1	689.2	632.5	56.73	12.150		
2,280.0	2,270.7	2,255.2	2,253.4	6.8	50.3	-15.93	21.8	-768.4	667.9	610.9	56.98	11.723		
2,300.0	2,290.1	2,274.7	2,273.0	6.9	50.3	-16.03	22.0	-767.7	662.6	605.5	57.04	11.616		
2,375.0	2,362.9	2,344.1	2,342.3	7.2	50.3	-16.41	22.5	-765.4	642.6	585.3	57.30	11.216		
2,400.0	2,387.1	2,367.1	2,365.3	7.2	50.3	-16.55	22.6	-764.7	636.1	578.7	57.38	11.084		
2,470.0	2,455.0	2,428.1	2,426.2	7.5	50.3	-16.92	23.0	-763.2	618.1	560.5	57.65	10.722		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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:		Distance		Minimum		Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor	
2,500.0	2,484.1	2,454.0	2,452.2	7.6	50.3	-17.08	23.1	-762.7	610.7	552.9	57.76	10.572
2,565.0	2,547.2	2,512.6	2,510.7	7.8	50.4	-17.47	23.4	-762.1	595.0	536.9	58.01	10.256
2,600.0	2,581.2	2,544.6	2,542.8	7.9	50.4	-17.70	23.4	-761.9	586.7	528.5	58.14	10.091
2,660.0	2,639.4	2,601.6	2,599.8	8.2	50.4	-18.14	23.4	-761.7	572.6	514.2	58.37	9.811
2,700.0	2,678.2	2,639.2	2,637.4	8.3	50.4	-18.43	23.4	-761.7	563.4	504.9	58.52	9.627
2,755.0	2,731.6	2,692.6	2,690.8	8.5	50.4	-18.87	23.4	-761.7	550.7	492.0	58.73	9.377
2,800.0	2,775.2	2,736.3	2,734.4	8.7	50.4	-19.24	23.4	-761.7	540.4	481.5	58.91	9.174
2,850.0	2,823.7	2,784.8	2,782.9	8.9	50.4	-19.67	23.4	-761.7	529.0	469.9	59.11	8.949
2,900.0	2,872.3	2,833.3	2,831.4	9.1	50.5	-20.12	23.4	-761.5	517.4	458.1	59.30	8.724
2,945.0	2,915.9	2,876.8	2,874.9	9.3	50.5	-20.54	23.4	-761.5	507.1	447.6	59.48	8.526
3,000.0	2,969.3	2,929.9	2,928.1	9.5	50.5	-21.08	23.4	-761.6	494.7	435.0	59.70	8.286
3,040.0	3,008.1	2,968.6	2,966.8	9.7	50.5	-21.48	23.4	-761.6	485.7	425.8	59.86	8.114
3,100.0	3,066.3	3,026.6	3,024.8	9.9	50.5	-22.12	23.4	-761.7	472.2	412.1	60.09	7.858
3,135.0	3,100.3	3,061.3	3,059.5	10.1	50.6	-22.52	23.4	-761.7	464.4	404.1	60.25	7.708
3,200.0	3,163.4	3,124.4	3,122.6	10.3	50.7	-23.29	23.4	-761.7	449.8	389.2	60.62	7.421
3,230.0	3,192.5	3,153.5	3,151.7	10.5	50.8	-23.66	23.4	-761.7	443.1	382.4	60.79	7.290
3,300.0	3,260.4	3,221.4	3,219.5	10.8	50.9	-24.54	23.5	-761.7	427.6	366.4	61.18	6.989
3,325.0	3,284.6	3,245.6	3,243.8	10.9	51.0	-24.89	23.5	-761.7	422.1	360.7	61.32	6.883
3,400.0	3,357.4	3,318.5	3,316.6	11.2	51.2	-25.97	23.4	-761.7	405.6	343.9	61.75	6.568
3,420.0	3,376.8	3,337.9	3,336.0	11.3	51.2	-26.28	23.4	-761.7	401.2	339.3	61.89	6.483
3,500.0	3,454.4	3,415.5	3,413.6	11.6	51.5	-27.55	23.4	-761.7	383.9	321.4	62.45	6.147
3,515.0	3,469.0	3,430.0	3,428.2	11.7	51.6	-27.76	23.7	-761.7	380.6	318.0	62.55	6.084
3,600.0	3,551.5	3,512.3	3,510.4	12.1	51.9	-29.27	23.6	-761.7	362.4	299.3	63.13	5.741
3,610.0	3,561.2	3,522.0	3,520.1	12.1	51.9	-29.46	23.6	-761.7	360.3	297.1	63.19	5.702
3,700.0	3,648.5	3,609.6	3,607.7	12.5	52.4	-31.27	23.4	-761.7	341.4	277.6	63.85	5.347
3,705.0	3,653.3	3,614.4	3,612.5	12.5	52.4	-31.38	23.4	-761.7	340.4	276.5	63.89	5.328
3,800.0	3,745.5	3,706.6	3,704.7	13.0	52.9	-33.50	23.4	-761.7	320.8	256.2	64.62	4.965
3,895.0	3,837.7	3,798.2	3,796.4	13.4	53.4	-35.86	23.5	-761.7	301.7	236.3	65.37	4.615
3,900.0	3,842.6	3,803.0	3,801.2	13.4	53.5	-35.99	23.5	-761.7	300.7	235.3	65.41	4.597
3,990.0	3,929.9	3,890.8	3,888.9	13.8	54.1	-38.54	23.6	-761.7	283.1	217.0	66.15	4.280
4,000.0	3,939.6	3,900.4	3,898.5	13.9	54.1	-38.84	23.6	-761.7	281.2	215.0	66.23	4.246
4,085.0	4,022.1	3,983.2	3,981.3	14.3	54.7	-41.63	23.4	-761.7	265.4	198.5	66.91	3.967
4,100.0	4,036.6	3,997.7	3,995.8	14.3	54.9	-42.15	23.4	-761.7	262.7	195.6	67.03	3.919
4,180.0	4,114.2	4,075.3	4,073.4	14.7	55.5	-45.10	23.4	-761.7	248.5	180.8	67.64	3.673
4,200.0	4,133.6	4,094.7	4,092.8	14.8	55.6	-45.89	23.4	-761.7	245.0	177.2	67.80	3.614
4,275.0	4,206.4	4,167.5	4,165.6	15.1	56.3	-48.99	23.7	-761.7	232.4	164.0	68.37	3.399
4,300.0	4,230.7	4,191.5	4,189.6	15.3	56.5	-50.11	23.7	-761.7	228.4	159.9	68.55	3.332
4,370.0	4,298.6	4,259.7	4,257.8	15.6	57.1	-53.53	23.4	-761.7	217.9	148.9	68.99	3.158
4,400.0	4,327.7	4,288.8	4,286.9	15.7	57.3	-55.07	23.4	-761.7	213.6	144.4	69.20	3.087
4,465.0	4,390.8	4,351.9	4,350.0	16.0	58.0	-58.54	23.7	-761.7	204.6	135.0	69.61	2.939
4,500.0	4,424.7	4,385.5	4,383.6	16.2	58.3	-60.55	23.7	-761.7	200.2	130.4	69.81	2.868
4,560.0	4,483.0	4,443.1	4,441.2	16.5	58.8	-64.21	23.4	-761.7	193.5	123.4	70.13	2.760
4,600.0	4,521.8	4,482.9	4,481.0	16.6	59.3	-66.85	23.4	-761.7	189.4	119.1	70.37	2.692
4,655.0	4,575.1	4,536.3	4,534.3	16.9	59.8	-70.55	23.4	-761.7	184.5	113.8	70.70	2.609
4,700.0	4,618.8	4,579.6	4,577.7	17.1	60.3	-73.64	23.7	-761.7	180.8	109.8	70.99	2.547
4,750.0	4,667.3	4,627.6	4,625.7	17.3	60.8	-77.27	23.5	-761.7	177.8	106.5	71.32	2.493
4,800.0	4,715.8	4,677.0	4,675.0	17.6	61.3	-81.09	23.4	-761.7	175.6	103.9	71.74	2.448
4,845.0	4,759.5	4,720.6	4,718.7	17.8	61.8	-84.53	23.4	-761.7	174.2	102.0	72.19	2.413
4,900.0	4,812.9	4,773.5	4,771.6	18.0	62.4	-88.72	23.7	-761.7	173.2	100.3	72.83	2.378
4,906.9	4,819.5	4,780.1	4,778.2	18.1	62.5	-89.25	23.6	-761.7	173.1	100.2	72.92	2.375 CC
4,940.0	4,851.7	4,811.9	4,809.9	18.2	62.9	-91.80	23.5	-761.7	173.4	100.0	73.37	2.363 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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)	Ellipses (usft)	Separation Factor			
5,000.0	4,909.9	4,871.0	4,869.1	18.5	63.6	-96.51	23.4	-761.7	174.5	100.2	74.37	2.347		
5,035.0	4,943.8	4,905.0	4,903.0	18.7	64.0	-99.16	23.7	-761.7	175.5	100.4	75.02	2.339 SF		
5,100.0	5,006.9	4,967.1	4,965.2	19.0	64.8	-103.94	23.5	-761.7	178.9	102.6	76.33	2.344		
5,130.0	5,036.0	4,997.2	4,995.2	19.1	65.2	-106.18	23.4	-761.7	180.9	103.9	77.02	2.349		
5,200.0	5,103.9	5,065.1	5,063.1	19.5	66.1	-111.05	23.4	-761.7	186.5	107.8	78.72	2.369		
5,225.0	5,128.2	5,089.2	5,087.2	19.6	66.5	-112.73	23.8	-761.7	188.4	109.0	79.34	2.374		
5,300.0	5,201.0	5,160.7	5,158.7	19.9	67.5	-117.40	23.5	-761.7	196.6	115.4	81.21	2.421		
5,320.0	5,220.4	5,181.6	5,179.6	20.0	67.8	-118.70	23.4	-761.7	199.0	117.3	81.77	2.434		
5,400.0	5,298.0	5,259.2	5,257.2	20.4	69.0	-123.25	23.4	-761.7	209.2	125.3	83.91	2.493		
5,415.0	5,312.6	5,273.7	5,271.6	20.5	69.2	-124.10	23.9	-761.7	210.8	126.5	84.31	2.500		
5,500.0	5,395.0	5,354.3	5,352.3	20.9	70.4	-128.26	23.5	-761.7	223.6	137.1	86.48	2.585		
5,510.0	5,404.7	5,366.0	5,363.9	20.9	70.6	-128.82	23.4	-761.7	225.2	138.4	86.80	2.594		
5,600.0	5,492.1	5,453.3	5,451.3	21.4	72.0	-132.82	23.4	-761.7	239.7	150.6	89.13	2.689		
5,605.0	5,496.9	5,458.2	5,456.1	21.4	72.0	-133.03	23.4	-761.7	240.5	151.3	89.25	2.695		
5,700.0	5,589.1	5,548.8	5,546.7	21.8	73.5	-136.70	23.8	-761.7	256.7	165.1	91.59	2.803		
5,795.0	5,681.3	5,642.6	5,640.5	22.3	74.9	-139.97	23.4	-761.7	274.4	180.4	93.96	2.920		
5,800.0	5,686.1	5,647.4	5,645.3	22.3	75.0	-140.13	23.4	-761.7	275.3	181.3	94.08	2.927		
5,890.0	5,773.4	5,732.8	5,730.7	22.8	76.3	-142.78	23.4	-761.7	292.6	196.4	96.16	3.042		
5,900.0	5,783.1	5,744.5	5,742.3	22.8	76.5	-143.12	23.4	-761.7	294.5	198.1	96.47	3.053		
5,985.0	5,865.6	5,827.0	5,824.8	23.2	78.0	-145.37	23.4	-761.7	311.4	212.8	98.58	3.159		
6,000.0	5,880.2	5,841.5	5,839.4	23.3	78.2	-145.74	23.4	-761.7	314.4	215.5	98.95	3.178		
6,080.0	5,957.8	5,917.9	5,915.8	23.7	79.5	-147.63	23.8	-761.7	330.5	229.6	100.86	3.277		
6,100.0	5,977.2	5,937.0	5,934.8	23.8	79.9	-148.04	23.6	-761.7	334.7	233.4	101.33	3.303		
6,175.0	6,050.0	6,011.4	6,009.2	24.1	81.2	-149.61	23.4	-761.7	350.5	247.3	103.22	3.396		
6,200.0	6,074.2	6,034.2	6,032.0	24.2	81.6	-150.10	23.7	-761.7	355.6	251.8	103.80	3.426		
6,270.0	6,142.2	6,103.6	6,101.4	24.6	82.9	-151.40	23.4	-761.7	370.7	265.1	105.58	3.511		
6,300.0	6,171.3	6,133.0	6,130.8	24.7	83.5	-151.92	23.4	-761.7	377.1	270.8	106.33	3.547		
6,365.0	6,234.3	6,195.7	6,193.5	25.0	84.3	-153.00	23.6	-761.8	390.9	283.4	107.58	3.634		
6,400.0	6,268.3	6,227.0	6,224.8	25.2	84.6	-153.44	23.1	-762.0	398.7	290.6	108.08	3.689		
6,460.0	6,326.5	6,308.0	6,305.7	25.5	85.3	-154.54	22.7	-763.0	411.8	302.6	109.18	3.772		
6,500.0	6,365.3	6,420.9	6,416.1	25.7	86.1	-158.30	44.2	-764.1	416.1	308.0	108.14	3.848		
6,555.0	6,418.7	6,524.7	6,510.2	25.9	86.1	-164.13	87.6	-766.7	413.5	306.9	106.61	3.879		
6,600.0	6,462.4	6,642.6	6,603.2	26.2	86.2	-173.49	159.3	-773.4	406.8	304.1	102.66	3.963		
6,650.0	6,510.9	6,693.4	6,637.3	26.4	86.2	-178.50	196.6	-778.2	396.3	292.0	104.24	3.802		
6,700.0	6,559.4	6,739.8	6,665.0	26.6	86.2	176.31	233.7	-781.5	388.0	281.6	106.39	3.647		
6,745.0	6,603.0	6,784.7	6,687.8	26.9	86.3	170.76	272.2	-784.7	382.7	274.5	108.22	3.536		
6,800.0	6,656.4	6,837.5	6,709.0	27.1	86.3	163.74	320.3	-789.9	379.5	269.3	110.27	3.442		
6,807.3	6,663.5	6,842.2	6,710.6	27.2	86.3	163.10	324.6	-790.5	379.5	268.9	110.57	3.432		
6,840.0	6,695.2	6,859.9	6,715.9	27.3	86.3	160.62	341.4	-792.6	380.6	268.9	111.65	3.409		
6,900.0	6,753.4	6,879.5	6,720.7	27.6	86.3	157.84	360.2	-795.0	388.8	276.4	112.36	3.460		
6,935.0	6,787.4	6,888.3	6,722.6	27.8	86.3	156.58	368.7	-796.1	397.3	285.4	111.84	3.552		
7,000.0	6,850.5	6,895.0	6,723.9	28.1	86.4	155.61	375.3	-796.8	420.0	310.7	109.33	3.842		
7,030.0	6,879.6	6,904.8	6,725.5	28.2	86.4	154.20	384.9	-797.9	433.2	325.6	107.60	4.026		
7,100.0	6,947.5	6,913.4	6,726.7	28.6	86.4	152.96	393.4	-798.8	469.9	367.1	102.85	4.569		
7,125.0	6,971.8	6,916.0	6,727.0	28.7	86.4	152.58	396.0	-799.1	484.7	383.7	101.01	4.799		
7,200.0	7,044.5	6,927.0	6,728.2	29.1	86.4	151.00	406.8	-800.1	533.7	438.3	95.41	5.593		
7,220.0	7,063.9	6,927.0	6,728.2	29.2	86.4	151.00	406.8	-800.1	547.7	453.7	93.95	5.830		
7,300.0	7,141.6	6,933.4	6,728.8	29.5	86.4	150.08	413.2	-800.6	607.0	518.6	88.38	6.867		
7,315.0	7,156.1	6,935.4	6,729.0	29.6	86.4	149.80	415.2	-800.8	618.6	531.2	87.41	7.077		
7,400.0	7,238.6	6,946.6	6,729.9	30.0	86.4	148.21	426.3	-801.7	686.7	604.4	82.31	8.343		
7,410.0	7,248.3	6,947.9	6,730.1	30.1	86.4	148.03	427.6	-801.8	695.0	613.2	81.76	8.500		

CC - Min centre to center 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP0.1	Offset TVD Reference:	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP													Offset Site Error:	3.0 usft
Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)			
7,505.0	7,340.5	6,960.6	6,731.1	30.5	86.4	146.27	440.1	-802.8	775.3	698.3	77.00	10.068		
7,508.6	7,343.9	6,961.2	6,731.2	30.6	86.4	146.19	440.7	-802.8	778.3	701.5	76.84	10.130		
7,600.0	7,433.0	6,976.6	6,732.5	31.0	86.4	145.91	456.1	-804.0	857.7	784.8	72.93	11.760		
7,695.0	7,526.2	6,989.0	6,733.6	31.5	86.5	146.29	468.4	-805.0	941.2	871.9	69.29	13.584		
7,700.0	7,531.1	6,989.0	6,733.6	31.5	86.5	146.39	468.4	-805.0	945.6	876.5	69.10	13.684		
7,790.0	7,619.9	6,997.8	6,734.3	31.9	86.5	147.22	477.1	-805.6	1,025.3	959.4	65.97	15.541		
7,800.0	7,629.8	6,998.5	6,734.3	31.9	86.5	147.35	477.8	-805.7	1,034.2	968.6	65.64	15.756		
7,885.0	7,714.1	7,003.6	6,734.7	32.3	86.5	148.54	482.9	-806.1	1,110.1	1,047.1	62.95	17.635		
7,900.0	7,729.0	7,004.4	6,734.8	32.4	86.5	148.77	483.7	-806.2	1,123.5	1,061.0	62.49	17.978		
7,980.0	7,808.7	7,008.3	6,735.0	32.7	86.5	149.99	487.6	-806.5	1,195.2	1,135.0	60.17	19.865		
8,000.0	7,828.6	7,009.2	6,735.1	32.8	86.5	150.31	488.4	-806.6	1,213.2	1,153.5	59.61	20.351		
8,075.0	7,903.5	7,020.0	6,735.7	33.1	86.5	150.70	499.2	-807.5	1,280.6	1,223.0	57.65	22.212		
8,100.0	7,928.4	7,020.0	6,735.7	33.1	86.5	151.20	499.2	-807.5	1,303.1	1,246.1	57.01	22.859		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 3067.8ft @ 3092.8usft

Offset Depths are relative to Offset Datum

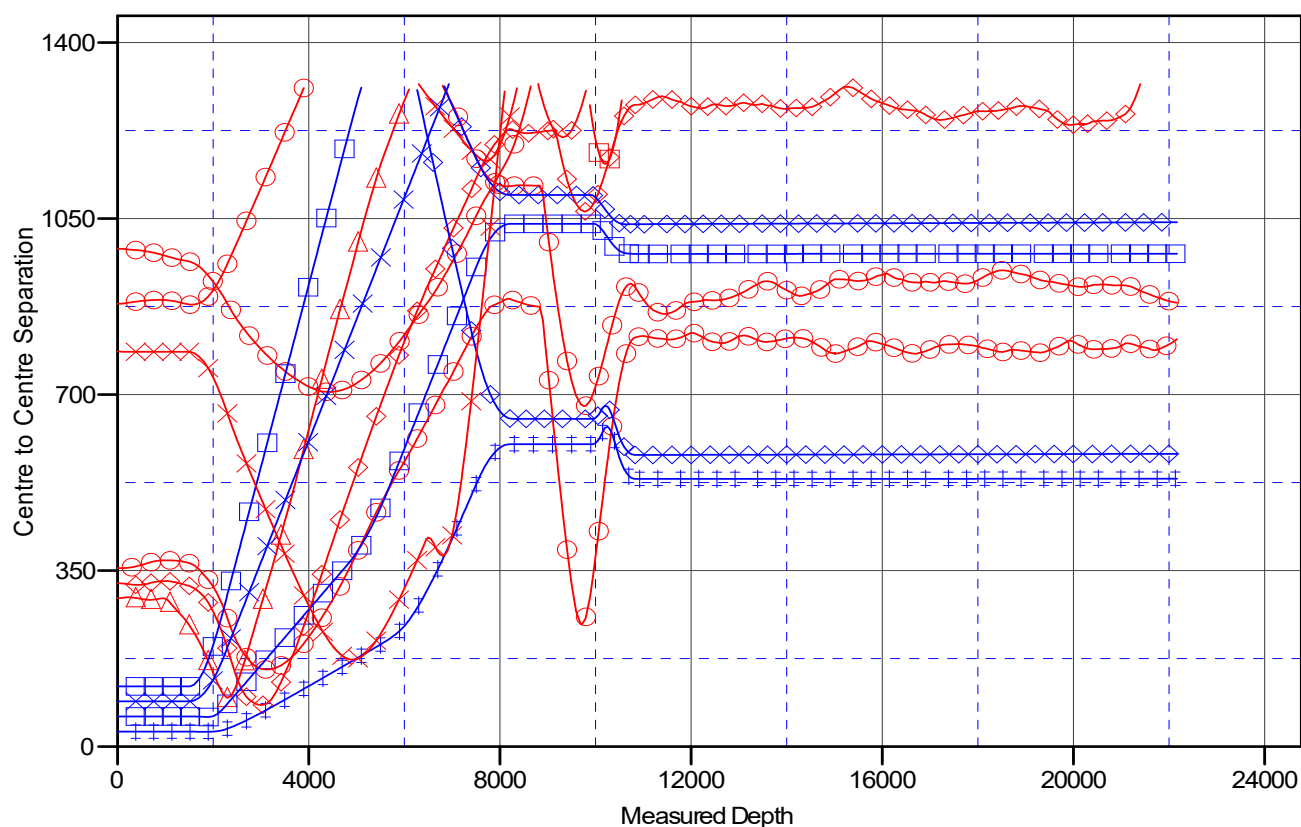
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #905H

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#702H, OWB, AWP V0	POTATO BABY STATE COM#904H, OWB, PWP0.1 V0
WETHERBEE C ALLOCATION #407H, 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	POTATO BABY STATE COM#907H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #408H, OWB, AWP V0	POTATO BABY STATE COM#901H, OWB, PWP0.1 V0	SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
WETHERBEE UNIT #423H, OWB, AWP V0	POTATO BABY STATE COM#902H, OWB, PWP0.1 V0	
POTATO BABY STATE COM#701H, OWB, AWP V0	POTATO BABY STATE COM#903H, 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 #905H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	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 3067.8ft @ 3092.8usft

Offset Depths are relative to Offset Datum

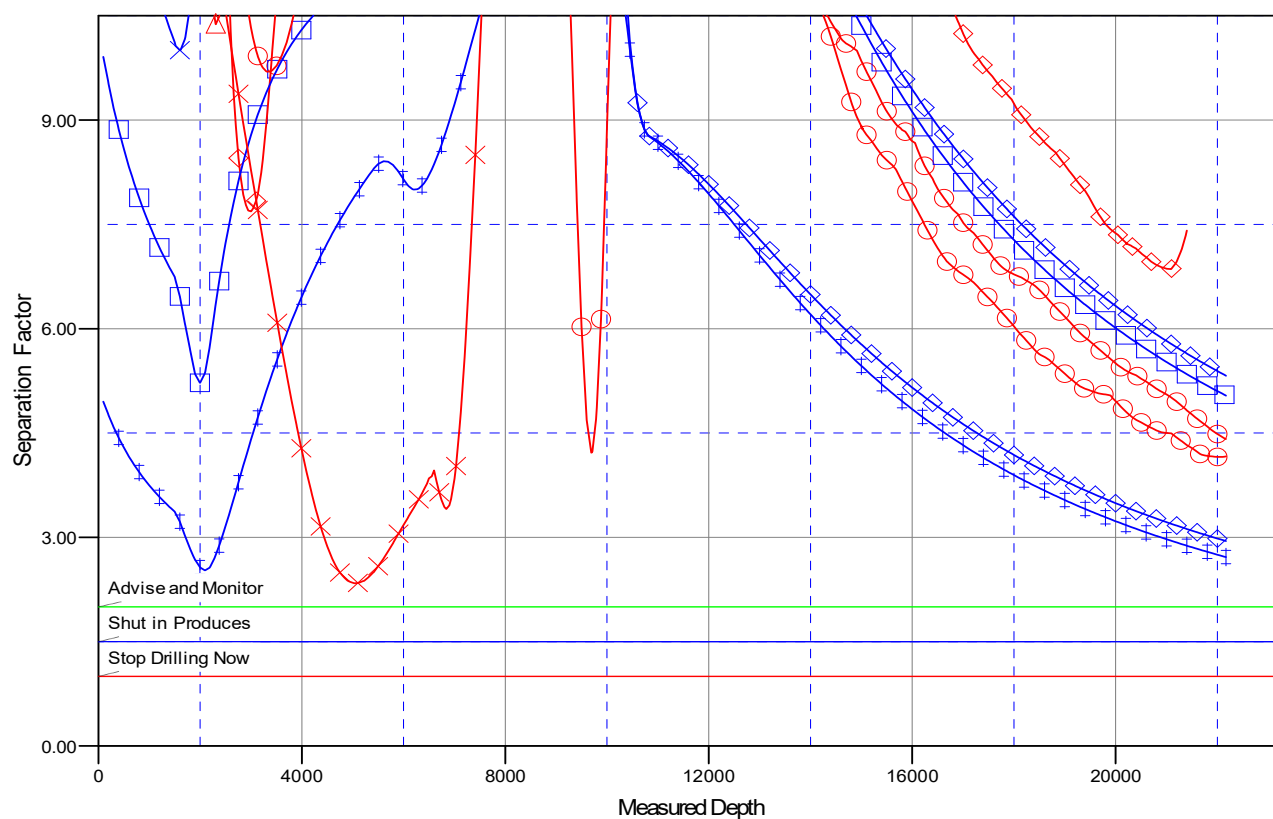
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #905H

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#702H, OWB, AWP V0	POTATO BABY STATE COM#904H, OWB, PWP0.1 V0
WETHERBEE C ALLOCATION #407H, 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	POTATO BABY STATE COM#907H, OWB, PWP0.1 V0
WETHERBEE D ALLOCATION #408H, OWB, AWP V0	POTATO BABY STATE COM#901H, OWB, PWP0.1 V0	SKEEN 34 STATE COM #1H (P&A), OWB, AWP V0
WETHERBEE UNIT #423H, OWB, AWP V0	POTATO BABY STATE COM#902H, OWB, PWP0.1 V0	
POTATO BABY STATE COM#701H, OWB, AWP V0	POTATO BABY STATE COM#903H, 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 #905H

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 #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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 #905H			
Well Position	+N/-S	267.6 usft	Northing:	364,084.40 usft
	+E/-W	4,415.5 usft	Easting:	581,886.94 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	
			Ground Level:	3,067.8 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	8/1/2023	6.60	59.53	47,319.16115587

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	353.37

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	9,934.6 PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St
3	9,934.6	22,170.0 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 #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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	
2,200.0	14.00	284.91	2,193.1	21.9	-82.2	2.00	2.00	0.00	284.91	
7,508.6	14.00	284.91	7,343.9	352.3	-1,323.3	0.00	0.00	0.00	0.00	
8,208.6	0.00	0.00	8,037.0	374.2	-1,405.5	2.00	-2.00	0.00	180.00	
9,934.6	0.00	0.00	9,763.0	374.2	-1,405.5	0.00	0.00	0.00	0.00	
10,832.3	89.76	359.89	10,336.0	944.8	-1,406.6	10.00	10.00	-0.01	359.89	
22,040.1	89.76	359.89	10,382.5	12,152.5	-1,428.5	0.00	0.00	0.00	0.00	LTP (POTATO BABY
22,170.0	89.76	359.89	10,383.0	12,282.4	-1,428.7	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 #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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	284.91	1,600.0	0.4	-1.7	0.6	2.00	2.00	0.00
1,700.0	4.00	284.91	1,699.8	1.8	-6.7	2.6	2.00	2.00	0.00
1,800.0	6.00	284.91	1,799.5	4.0	-15.2	5.8	2.00	2.00	0.00
1,900.0	8.00	284.91	1,898.7	7.2	-26.9	10.2	2.00	2.00	0.00
2,000.0	10.00	284.91	1,997.5	11.2	-42.1	16.0	2.00	2.00	0.00
2,100.0	12.00	284.91	2,095.6	16.1	-60.5	23.0	2.00	2.00	0.00
2,200.0	14.00	284.91	2,193.1	21.9	-82.2	31.2	2.00	2.00	0.00
Start 5308.6 hold at 2200.0 MD									
2,300.0	14.00	284.91	2,290.1	28.1	-105.6	40.1	0.00	0.00	0.00
2,400.0	14.00	284.91	2,387.1	34.3	-129.0	49.0	0.00	0.00	0.00
2,500.0	14.00	284.91	2,484.1	40.6	-152.4	57.9	0.00	0.00	0.00
2,600.0	14.00	284.91	2,581.2	46.8	-175.7	66.8	0.00	0.00	0.00
2,700.0	14.00	284.91	2,678.2	53.0	-199.1	75.7	0.00	0.00	0.00
2,800.0	14.00	284.91	2,775.2	59.2	-222.5	84.5	0.00	0.00	0.00
2,900.0	14.00	284.91	2,872.3	65.5	-245.9	93.4	0.00	0.00	0.00
3,000.0	14.00	284.91	2,969.3	71.7	-269.3	102.3	0.00	0.00	0.00
3,100.0	14.00	284.91	3,066.3	77.9	-292.6	111.2	0.00	0.00	0.00
3,200.0	14.00	284.91	3,163.4	84.1	-316.0	120.1	0.00	0.00	0.00
3,300.0	14.00	284.91	3,260.4	90.4	-339.4	129.0	0.00	0.00	0.00
3,400.0	14.00	284.91	3,357.4	96.6	-362.8	137.8	0.00	0.00	0.00
3,500.0	14.00	284.91	3,454.4	102.8	-386.1	146.7	0.00	0.00	0.00
3,600.0	14.00	284.91	3,551.5	109.0	-409.5	155.6	0.00	0.00	0.00
3,700.0	14.00	284.91	3,648.5	115.3	-432.9	164.5	0.00	0.00	0.00
3,800.0	14.00	284.91	3,745.5	121.5	-456.3	173.4	0.00	0.00	0.00
3,900.0	14.00	284.91	3,842.6	127.7	-479.7	182.3	0.00	0.00	0.00
4,000.0	14.00	284.91	3,939.6	133.9	-503.0	191.1	0.00	0.00	0.00
4,100.0	14.00	284.91	4,036.6	140.2	-526.4	200.0	0.00	0.00	0.00
4,200.0	14.00	284.91	4,133.6	146.4	-549.8	208.9	0.00	0.00	0.00
4,300.0	14.00	284.91	4,230.7	152.6	-573.2	217.8	0.00	0.00	0.00
4,400.0	14.00	284.91	4,327.7	158.8	-596.5	226.7	0.00	0.00	0.00
4,500.0	14.00	284.91	4,424.7	165.1	-619.9	235.6	0.00	0.00	0.00
4,600.0	14.00	284.91	4,521.8	171.3	-643.3	244.4	0.00	0.00	0.00
4,700.0	14.00	284.91	4,618.8	177.5	-666.7	253.3	0.00	0.00	0.00
4,800.0	14.00	284.91	4,715.8	183.7	-690.1	262.2	0.00	0.00	0.00
4,900.0	14.00	284.91	4,812.9	189.9	-713.4	271.1	0.00	0.00	0.00
5,000.0	14.00	284.91	4,909.9	196.2	-736.8	280.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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	284.91	5,006.9	202.4	-760.2	288.9	0.00	0.00	0.00	
5,200.0	14.00	284.91	5,103.9	208.6	-783.6	297.7	0.00	0.00	0.00	
5,300.0	14.00	284.91	5,201.0	214.8	-806.9	306.6	0.00	0.00	0.00	
5,400.0	14.00	284.91	5,298.0	221.1	-830.3	315.5	0.00	0.00	0.00	
5,500.0	14.00	284.91	5,395.0	227.3	-853.7	324.4	0.00	0.00	0.00	
5,600.0	14.00	284.91	5,492.1	233.5	-877.1	333.3	0.00	0.00	0.00	
5,700.0	14.00	284.91	5,589.1	239.7	-900.5	342.2	0.00	0.00	0.00	
5,800.0	14.00	284.91	5,686.1	246.0	-923.8	351.0	0.00	0.00	0.00	
5,900.0	14.00	284.91	5,783.1	252.2	-947.2	359.9	0.00	0.00	0.00	
6,000.0	14.00	284.91	5,880.2	258.4	-970.6	368.8	0.00	0.00	0.00	
6,100.0	14.00	284.91	5,977.2	264.6	-994.0	377.7	0.00	0.00	0.00	
6,200.0	14.00	284.91	6,074.2	270.9	-1,017.3	386.6	0.00	0.00	0.00	
6,300.0	14.00	284.91	6,171.3	277.1	-1,040.7	395.5	0.00	0.00	0.00	
6,400.0	14.00	284.91	6,268.3	283.3	-1,064.1	404.3	0.00	0.00	0.00	
6,500.0	14.00	284.91	6,365.3	289.5	-1,087.5	413.2	0.00	0.00	0.00	
6,600.0	14.00	284.91	6,462.4	295.8	-1,110.9	422.1	0.00	0.00	0.00	
6,700.0	14.00	284.91	6,559.4	302.0	-1,134.2	431.0	0.00	0.00	0.00	
6,800.0	14.00	284.91	6,656.4	308.2	-1,157.6	439.9	0.00	0.00	0.00	
6,900.0	14.00	284.91	6,753.4	314.4	-1,181.0	448.8	0.00	0.00	0.00	
7,000.0	14.00	284.91	6,850.5	320.7	-1,204.4	457.6	0.00	0.00	0.00	
7,100.0	14.00	284.91	6,947.5	326.9	-1,227.8	466.5	0.00	0.00	0.00	
7,200.0	14.00	284.91	7,044.5	333.1	-1,251.1	475.4	0.00	0.00	0.00	
7,300.0	14.00	284.91	7,141.6	339.3	-1,274.5	484.3	0.00	0.00	0.00	
7,400.0	14.00	284.91	7,238.6	345.6	-1,297.9	493.2	0.00	0.00	0.00	
7,508.6	14.00	284.91	7,343.9	352.3	-1,323.3	502.8	0.00	0.00	0.00	
Start Drop -2.00										
7,600.0	12.17	284.91	7,433.0	357.6	-1,343.3	510.4	2.00	-2.00	0.00	
7,700.0	10.17	284.91	7,531.1	362.6	-1,362.0	517.5	2.00	-2.00	0.00	
7,800.0	8.17	284.91	7,629.8	366.7	-1,377.4	523.4	2.00	-2.00	0.00	
7,900.0	6.17	284.91	7,729.0	369.9	-1,389.5	528.0	2.00	-2.00	0.00	
8,000.0	4.17	284.91	7,828.6	372.3	-1,398.2	531.3	2.00	-2.00	0.00	
8,100.0	2.17	284.91	7,928.4	373.7	-1,403.5	533.3	2.00	-2.00	0.00	
8,208.6	0.00	0.00	8,037.0	374.2	-1,405.5	534.1	2.00	-2.00	0.00	
Start 1726.0 hold at 8208.6 MD										
8,300.0	0.00	0.00	8,128.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,228.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,328.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,428.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,528.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,628.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,728.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,828.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,928.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,028.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,128.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,228.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,328.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,428.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,528.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,628.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,728.4	374.2	-1,405.5	534.1	0.00	0.00	0.00	
9,934.6	0.00	0.00	9,763.0	374.2	-1,405.5	534.1	0.00	0.00	0.00	
Start DLS 10.00 TFO 359.89										

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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)	
9,950.0	1.54	359.89	9,778.4	374.4	-1,405.5	534.3	10.00	10.00	0.00	
10,000.0	6.54	359.89	9,828.3	377.9	-1,405.5	537.8	10.00	10.00	0.00	
10,050.0	11.54	359.89	9,877.6	385.8	-1,405.5	545.6	10.00	10.00	0.00	
10,100.0	16.54	359.89	9,926.1	397.9	-1,405.5	557.6	10.00	10.00	0.00	
10,150.0	21.54	359.89	9,973.4	414.2	-1,405.6	573.8	10.00	10.00	0.00	
10,200.0	26.54	359.89	10,019.0	434.6	-1,405.6	594.0	10.00	10.00	0.00	
10,250.0	31.54	359.89	10,062.7	458.8	-1,405.7	618.1	10.00	10.00	0.00	
10,300.0	36.54	359.89	10,104.2	486.8	-1,405.7	645.9	10.00	10.00	0.00	
10,350.0	41.54	359.89	10,143.0	518.3	-1,405.8	677.2	10.00	10.00	0.00	
10,400.0	46.54	359.89	10,178.9	553.0	-1,405.8	711.7	10.00	10.00	0.00	
10,450.0	51.54	359.89	10,211.7	590.8	-1,405.9	749.2	10.00	10.00	0.00	
10,500.0	56.54	359.89	10,241.0	631.2	-1,406.0	789.4	10.00	10.00	0.00	
10,550.0	61.54	359.89	10,266.8	674.1	-1,406.1	832.0	10.00	10.00	0.00	
10,600.0	66.54	359.89	10,288.6	719.0	-1,406.2	876.7	10.00	10.00	0.00	
10,650.0	71.54	359.89	10,306.5	765.7	-1,406.3	923.0	10.00	10.00	0.00	
10,700.0	76.54	359.89	10,320.3	813.8	-1,406.4	970.8	10.00	10.00	0.00	
10,750.0	81.54	359.89	10,329.8	862.8	-1,406.5	1,019.5	10.00	10.00	0.00	
10,800.0	86.54	359.89	10,335.0	912.6	-1,406.6	1,068.9	10.00	10.00	0.00	
10,832.3	89.76	359.89	10,336.0	944.8	-1,406.6	1,100.9	10.00	10.00	0.00	
Start 11207.8 hold at 10832.3 MD										
10,900.0	89.76	359.89	10,336.3	1,012.5	-1,406.7	1,168.3	0.00	0.00	0.00	
11,000.0	89.76	359.89	10,336.7	1,112.5	-1,406.9	1,267.6	0.00	0.00	0.00	
11,100.0	89.76	359.89	10,337.1	1,212.5	-1,407.1	1,367.0	0.00	0.00	0.00	
11,200.0	89.76	359.89	10,337.5	1,312.5	-1,407.3	1,466.3	0.00	0.00	0.00	
11,300.0	89.76	359.89	10,337.9	1,412.5	-1,407.5	1,565.7	0.00	0.00	0.00	
11,400.0	89.76	359.89	10,338.4	1,512.5	-1,407.7	1,665.0	0.00	0.00	0.00	
11,500.0	89.76	359.89	10,338.8	1,612.5	-1,407.9	1,764.4	0.00	0.00	0.00	
11,600.0	89.76	359.89	10,339.2	1,712.5	-1,408.1	1,863.7	0.00	0.00	0.00	
11,700.0	89.76	359.89	10,339.6	1,812.5	-1,408.3	1,963.1	0.00	0.00	0.00	
11,800.0	89.76	359.89	10,340.0	1,912.5	-1,408.5	2,062.4	0.00	0.00	0.00	
11,900.0	89.76	359.89	10,340.4	2,012.5	-1,408.7	2,161.8	0.00	0.00	0.00	
12,000.0	89.76	359.89	10,340.8	2,112.5	-1,408.9	2,261.1	0.00	0.00	0.00	
12,100.0	89.76	359.89	10,341.3	2,212.5	-1,409.1	2,360.5	0.00	0.00	0.00	
12,200.0	89.76	359.89	10,341.7	2,312.5	-1,409.3	2,459.8	0.00	0.00	0.00	
12,300.0	89.76	359.89	10,342.1	2,412.5	-1,409.5	2,559.2	0.00	0.00	0.00	
12,400.0	89.76	359.89	10,342.5	2,512.5	-1,409.7	2,658.5	0.00	0.00	0.00	
12,500.0	89.76	359.89	10,342.9	2,612.5	-1,409.9	2,757.9	0.00	0.00	0.00	
12,600.0	89.76	359.89	10,343.3	2,712.5	-1,410.1	2,857.2	0.00	0.00	0.00	
12,700.0	89.76	359.89	10,343.7	2,812.5	-1,410.3	2,956.6	0.00	0.00	0.00	
12,800.0	89.76	359.89	10,344.2	2,912.5	-1,410.5	3,055.9	0.00	0.00	0.00	
12,900.0	89.76	359.89	10,344.6	3,012.5	-1,410.6	3,155.3	0.00	0.00	0.00	
13,000.0	89.76	359.89	10,345.0	3,112.5	-1,410.8	3,254.7	0.00	0.00	0.00	
13,100.0	89.76	359.89	10,345.4	3,212.5	-1,411.0	3,354.0	0.00	0.00	0.00	
13,200.0	89.76	359.89	10,345.8	3,312.5	-1,411.2	3,453.4	0.00	0.00	0.00	
13,300.0	89.76	359.89	10,346.2	3,412.5	-1,411.4	3,552.7	0.00	0.00	0.00	
13,400.0	89.76	359.89	10,346.6	3,512.5	-1,411.6	3,652.1	0.00	0.00	0.00	
13,500.0	89.76	359.89	10,347.1	3,612.5	-1,411.8	3,751.4	0.00	0.00	0.00	
13,600.0	89.76	359.89	10,347.5	3,712.5	-1,412.0	3,850.8	0.00	0.00	0.00	
13,700.0	89.76	359.89	10,347.9	3,812.5	-1,412.2	3,950.1	0.00	0.00	0.00	
13,800.0	89.76	359.89	10,348.3	3,912.5	-1,412.4	4,049.5	0.00	0.00	0.00	
13,900.0	89.76	359.89	10,348.7	4,012.5	-1,412.6	4,148.8	0.00	0.00	0.00	
14,000.0	89.76	359.89	10,349.1	4,112.5	-1,412.8	4,248.2	0.00	0.00	0.00	
14,100.0	89.76	359.89	10,349.5	4,212.5	-1,413.0	4,347.5	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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	10,350.0	4,312.5	-1,413.2	4,446.9	0.00	0.00	0.00
14,300.0	89.76	359.89	10,350.4	4,412.5	-1,413.4	4,546.2	0.00	0.00	0.00
14,400.0	89.76	359.89	10,350.8	4,512.5	-1,413.6	4,645.6	0.00	0.00	0.00
14,500.0	89.76	359.89	10,351.2	4,612.5	-1,413.8	4,744.9	0.00	0.00	0.00
14,600.0	89.76	359.89	10,351.6	4,712.5	-1,414.0	4,844.3	0.00	0.00	0.00
14,700.0	89.76	359.89	10,352.0	4,812.5	-1,414.2	4,943.6	0.00	0.00	0.00
14,800.0	89.76	359.89	10,352.4	4,912.5	-1,414.4	5,043.0	0.00	0.00	0.00
14,900.0	89.76	359.89	10,352.9	5,012.5	-1,414.5	5,142.3	0.00	0.00	0.00
15,000.0	89.76	359.89	10,353.3	5,112.5	-1,414.7	5,241.7	0.00	0.00	0.00
15,100.0	89.76	359.89	10,353.7	5,212.5	-1,414.9	5,341.0	0.00	0.00	0.00
15,200.0	89.76	359.89	10,354.1	5,312.5	-1,415.1	5,440.4	0.00	0.00	0.00
15,300.0	89.76	359.89	10,354.5	5,412.5	-1,415.3	5,539.8	0.00	0.00	0.00
15,400.0	89.76	359.89	10,354.9	5,512.5	-1,415.5	5,639.1	0.00	0.00	0.00
15,500.0	89.76	359.89	10,355.3	5,612.5	-1,415.7	5,738.5	0.00	0.00	0.00
15,600.0	89.76	359.89	10,355.8	5,712.5	-1,415.9	5,837.8	0.00	0.00	0.00
15,700.0	89.76	359.89	10,356.2	5,812.5	-1,416.1	5,937.2	0.00	0.00	0.00
15,800.0	89.76	359.89	10,356.6	5,912.5	-1,416.3	6,036.5	0.00	0.00	0.00
15,900.0	89.76	359.89	10,357.0	6,012.5	-1,416.5	6,135.9	0.00	0.00	0.00
16,000.0	89.76	359.89	10,357.4	6,112.5	-1,416.7	6,235.2	0.00	0.00	0.00
16,100.0	89.76	359.89	10,357.8	6,212.5	-1,416.9	6,334.6	0.00	0.00	0.00
16,200.0	89.76	359.89	10,358.3	6,312.5	-1,417.1	6,433.9	0.00	0.00	0.00
16,300.0	89.76	359.89	10,358.7	6,412.5	-1,417.3	6,533.3	0.00	0.00	0.00
16,400.0	89.76	359.89	10,359.1	6,512.5	-1,417.5	6,632.6	0.00	0.00	0.00
16,500.0	89.76	359.89	10,359.5	6,612.5	-1,417.7	6,732.0	0.00	0.00	0.00
16,600.0	89.76	359.89	10,359.9	6,712.5	-1,417.9	6,831.3	0.00	0.00	0.00
16,700.0	89.76	359.89	10,360.3	6,812.5	-1,418.1	6,930.7	0.00	0.00	0.00
16,800.0	89.76	359.89	10,360.7	6,912.5	-1,418.3	7,030.0	0.00	0.00	0.00
16,900.0	89.76	359.89	10,361.2	7,012.5	-1,418.5	7,129.4	0.00	0.00	0.00
17,000.0	89.76	359.89	10,361.6	7,112.5	-1,418.6	7,228.7	0.00	0.00	0.00
17,100.0	89.76	359.89	10,362.0	7,212.5	-1,418.8	7,328.1	0.00	0.00	0.00
17,200.0	89.76	359.89	10,362.4	7,312.5	-1,419.0	7,427.4	0.00	0.00	0.00
17,300.0	89.76	359.89	10,362.8	7,412.5	-1,419.2	7,526.8	0.00	0.00	0.00
17,400.0	89.76	359.89	10,363.2	7,512.5	-1,419.4	7,626.1	0.00	0.00	0.00
17,500.0	89.76	359.89	10,363.6	7,612.5	-1,419.6	7,725.5	0.00	0.00	0.00
17,600.0	89.76	359.89	10,364.1	7,712.5	-1,419.8	7,824.8	0.00	0.00	0.00
17,700.0	89.76	359.89	10,364.5	7,812.5	-1,420.0	7,924.2	0.00	0.00	0.00
17,800.0	89.76	359.89	10,364.9	7,912.5	-1,420.2	8,023.6	0.00	0.00	0.00
17,900.0	89.76	359.89	10,365.3	8,012.5	-1,420.4	8,122.9	0.00	0.00	0.00
18,000.0	89.76	359.89	10,365.7	8,112.5	-1,420.6	8,222.3	0.00	0.00	0.00
18,100.0	89.76	359.89	10,366.1	8,212.5	-1,420.8	8,321.6	0.00	0.00	0.00
18,200.0	89.76	359.89	10,366.5	8,312.5	-1,421.0	8,421.0	0.00	0.00	0.00
18,300.0	89.76	359.89	10,367.0	8,412.5	-1,421.2	8,520.3	0.00	0.00	0.00
18,400.0	89.76	359.89	10,367.4	8,512.5	-1,421.4	8,619.7	0.00	0.00	0.00
18,500.0	89.76	359.89	10,367.8	8,612.5	-1,421.6	8,719.0	0.00	0.00	0.00
18,600.0	89.76	359.89	10,368.2	8,712.5	-1,421.8	8,818.4	0.00	0.00	0.00
18,700.0	89.76	359.89	10,368.6	8,812.5	-1,422.0	8,917.7	0.00	0.00	0.00
18,800.0	89.76	359.89	10,369.0	8,912.5	-1,422.2	9,017.1	0.00	0.00	0.00
18,900.0	89.76	359.89	10,369.4	9,012.5	-1,422.4	9,116.4	0.00	0.00	0.00
19,000.0	89.76	359.89	10,369.9	9,112.5	-1,422.5	9,215.8	0.00	0.00	0.00
19,100.0	89.76	359.89	10,370.3	9,212.5	-1,422.7	9,315.1	0.00	0.00	0.00
19,200.0	89.76	359.89	10,370.7	9,312.5	-1,422.9	9,414.5	0.00	0.00	0.00
19,300.0	89.76	359.89	10,371.1	9,412.5	-1,423.1	9,513.8	0.00	0.00	0.00
19,400.0	89.76	359.89	10,371.5	9,512.4	-1,423.3	9,613.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	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	10,371.9	9,612.4	-1,423.5	9,712.5	0.00	0.00	0.00	
19,600.0	89.76	359.89	10,372.3	9,712.4	-1,423.7	9,811.9	0.00	0.00	0.00	
19,700.0	89.76	359.89	10,372.8	9,812.4	-1,423.9	9,911.2	0.00	0.00	0.00	
19,800.0	89.76	359.89	10,373.2	9,912.4	-1,424.1	10,010.6	0.00	0.00	0.00	
19,900.0	89.76	359.89	10,373.6	10,012.4	-1,424.3	10,109.9	0.00	0.00	0.00	
20,000.0	89.76	359.89	10,374.0	10,112.4	-1,424.5	10,209.3	0.00	0.00	0.00	
20,100.0	89.76	359.89	10,374.4	10,212.4	-1,424.7	10,308.7	0.00	0.00	0.00	
20,200.0	89.76	359.89	10,374.8	10,312.4	-1,424.9	10,408.0	0.00	0.00	0.00	
20,300.0	89.76	359.89	10,375.2	10,412.4	-1,425.1	10,507.4	0.00	0.00	0.00	
20,400.0	89.76	359.89	10,375.7	10,512.4	-1,425.3	10,606.7	0.00	0.00	0.00	
20,500.0	89.76	359.89	10,376.1	10,612.4	-1,425.5	10,706.1	0.00	0.00	0.00	
20,600.0	89.76	359.89	10,376.5	10,712.4	-1,425.7	10,805.4	0.00	0.00	0.00	
20,700.0	89.76	359.89	10,376.9	10,812.4	-1,425.9	10,904.8	0.00	0.00	0.00	
20,800.0	89.76	359.89	10,377.3	10,912.4	-1,426.1	11,004.1	0.00	0.00	0.00	
20,900.0	89.76	359.89	10,377.7	11,012.4	-1,426.3	11,103.5	0.00	0.00	0.00	
21,000.0	89.76	359.89	10,378.1	11,112.4	-1,426.5	11,202.8	0.00	0.00	0.00	
21,100.0	89.76	359.89	10,378.6	11,212.4	-1,426.6	11,302.2	0.00	0.00	0.00	
21,200.0	89.76	359.89	10,379.0	11,312.4	-1,426.8	11,401.5	0.00	0.00	0.00	
21,300.0	89.76	359.89	10,379.4	11,412.4	-1,427.0	11,500.9	0.00	0.00	0.00	
21,400.0	89.76	359.89	10,379.8	11,512.4	-1,427.2	11,600.2	0.00	0.00	0.00	
21,500.0	89.76	359.89	10,380.2	11,612.4	-1,427.4	11,699.6	0.00	0.00	0.00	
21,600.0	89.76	359.89	10,380.6	11,712.4	-1,427.6	11,798.9	0.00	0.00	0.00	
21,700.0	89.76	359.89	10,381.1	11,812.4	-1,427.8	11,898.3	0.00	0.00	0.00	
21,800.0	89.76	359.89	10,381.5	11,912.4	-1,428.0	11,997.6	0.00	0.00	0.00	
21,900.0	89.76	359.89	10,381.9	12,012.4	-1,428.2	12,097.0	0.00	0.00	0.00	
22,000.0	89.76	359.89	10,382.3	12,112.4	-1,428.4	12,196.3	0.00	0.00	0.00	
22,040.1	89.76	359.89	10,382.5	12,152.5	-1,428.5	12,236.1	0.00	0.00	0.00	
Start 130.0 hold at 22040.1 MD										
22,100.0	89.76	359.89	10,382.7	12,212.4	-1,428.6	12,295.7	0.00	0.00	0.00	
22,170.0	89.76	359.89	10,383.0	12,282.4	-1,428.7	12,365.3	0.00	0.00	0.00	
TD at 22170.0										

Wellbore Targets										
Target Name										
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
FTP (POTATO BABY ST - plan misses target center by 513.8usft at 10250.0usft MD (10062.7 TVD, 458.8 N, -1405.7 E) - Circle (radius 50.0)	0.00	0.00	10,336.0	23.7	-1,405.1	364,108.08	580,481.86		32° 0' 2.811 N	104° 4' 25.349 W
LTP (POTATO BABY ST - plan hits target center - Point	0.00	0.00	10,382.5	12,152.5	-1,428.5	376,236.89	580,458.46		32° 2' 2.846 N	104° 4' 25.283 W
BHL (POTATO BABY ST - plan misses target center by 0.4usft at 22170.0usft MD (10383.0 TVD, 12282.4 N, -1428.7 E) - Rectangle (sides W100.0 H12,259.9 D20.0)	0.24	359.89	10,383.0	12,282.5	-1,428.4	376,366.89	580,458.58		32° 2' 4.133 N	104° 4' 25.278 W

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	Local Co-ordinate Reference:	Well POTATO BABY STATE COM #905H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Project:	ATLAS PROSPECT (NM-E)	MD Reference:	RKB 25ft + GL 3067.8ft @ 3092.8usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	North Reference:	Grid
Well:	POTATO BABY STATE COM #905H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

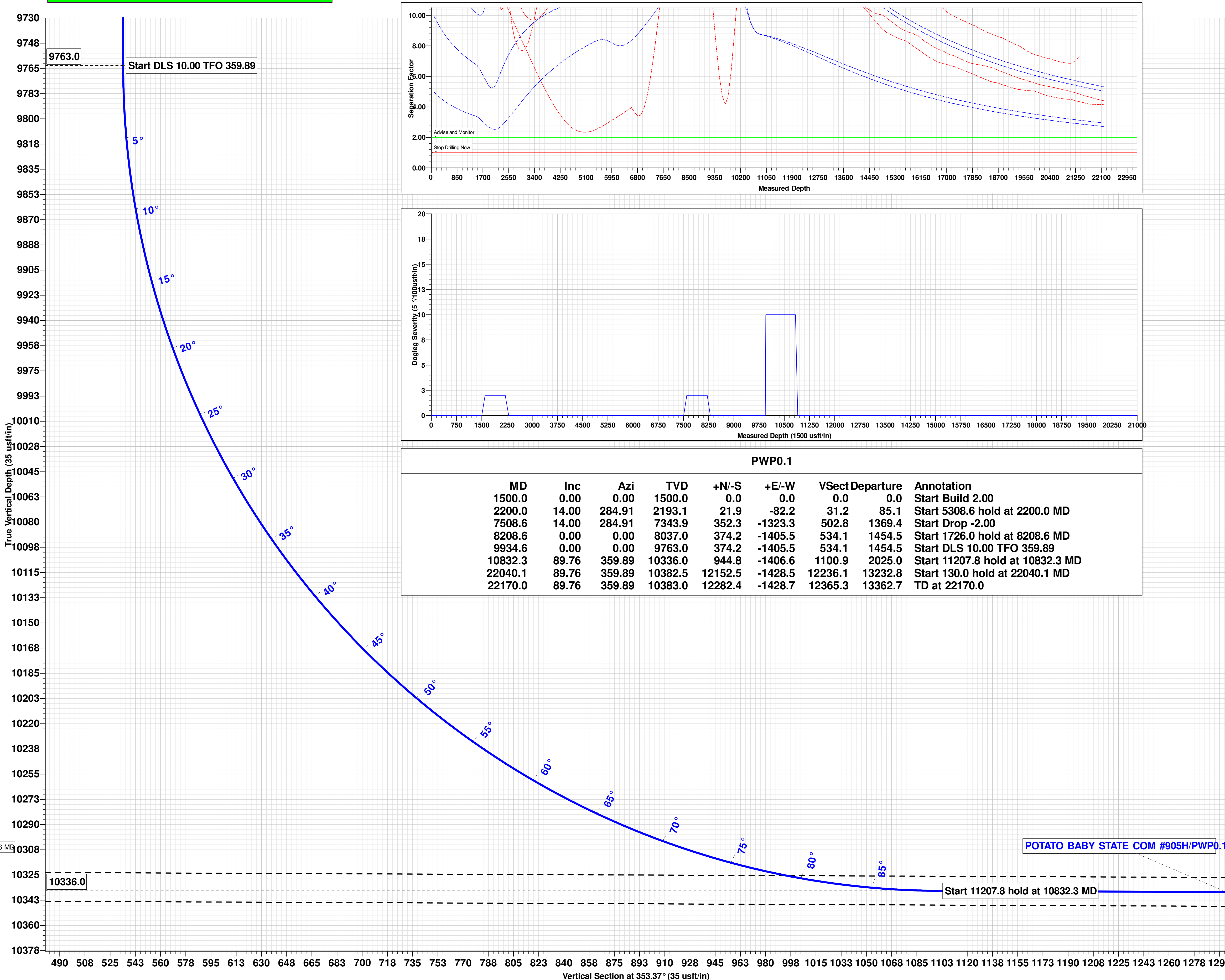
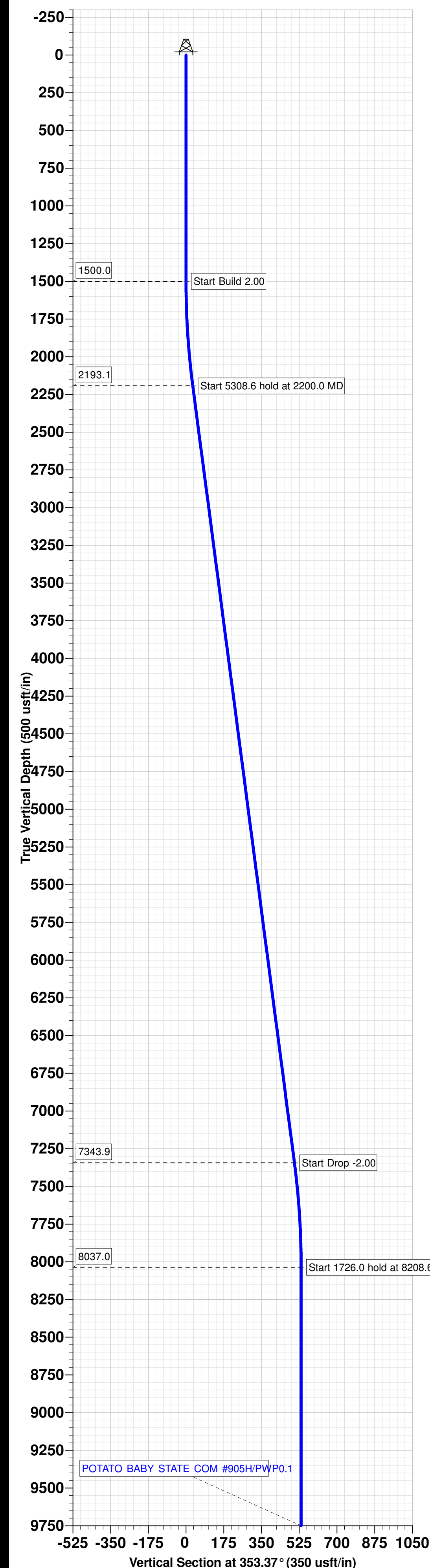
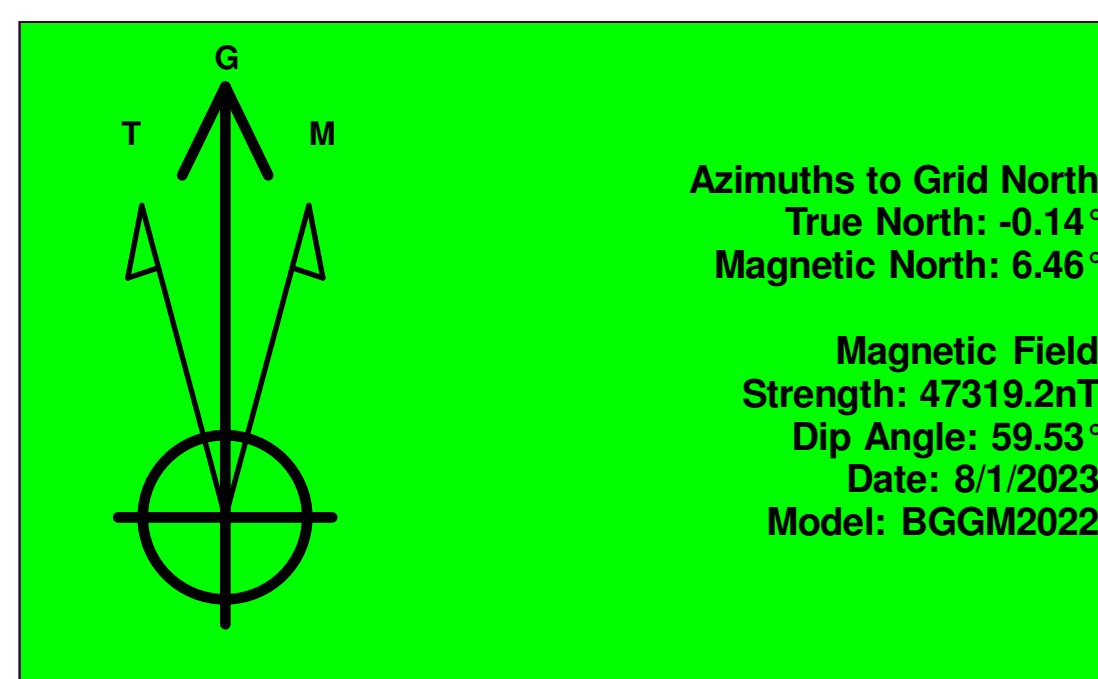
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,200.0	2,193.1	21.9	-82.2	Start 5308.6 hold at 2200.0 MD	
7,508.6	7,343.9	352.3	-1,323.3	Start Drop -2.00	
8,208.6	8,037.0	374.2	-1,405.5	Start 1726.0 hold at 8208.6 MD	
9,934.6	9,763.0	374.2	-1,405.5	Start DLS 10.00 TFO 359.89	
10,832.3	10,336.0	944.8	-1,406.6	Start 11207.8 hold at 10832.3 MD	
22,040.1	10,382.5	12,152.5	-1,428.5	Start 130.0 hold at 22040.1 MD	
22,170.0	10,383.0	12,282.4	-1,428.7	TD at 22170.0	



Project: ATLAS PROSPECT (NM-E)
Site: POTATO BABY STATE PROJECT (ATLAS 2628)
Well: POTATO BABY STATE COM #905H
Wellbore: OWB
Design: PWP0.1
GL: 3067.8
RKB 25ft + GL 3067.8ft @ 3092.8usft

WELL DETAILS: POTATO BABY STATE COM #905H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	364084.40	581886.94	32° 0' 2.543 N	104° 4' 9.033 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (POTATO BABY STATE COM #905H)	10336.0	23.7	-1405.1	364108.08	580481.86
LTP (POTATO BABY STATE COM #905H)	10382.5	12152.5	-1428.5	376236.89	580458.46
BHL (POTATO BABY STATE COM #905H)	10383.0	12282.5	-1428.4	376366.89	580458.58
Shape	Circle (Radius: 50.0)				
Point					
Rectangle (Sides: L12259.9 W100.0)					



PWP0.1									
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	
2200.0	14.00	284.91	2193.1	21.9	-82.2	31.2	85.1	Start 5308.6 hold at 2200.0 MD	
7508.6	14.00	284.91	7343.9	352.3	-1323.3	502.8	1369.4	Start Drop -2.00	
8208.6	0.00	0.00	8037.0	374.2	-1405.5	534.1	1454.5	Start 1726.0 hold at 8208.6 MD	
9934.6	0.00	0.00	9763.0	374.2	-1405.5	534.1	1454.5	Start DLS 10.00 TFO 359.89	
10832.3	89.76	359.89	10336.0	944.8	-1406.6	1100.9	2025.0	Start 11207.8 hold at 10832.3 MD	
22040.1	89.76	359.89	10382.5	12152.5	-1428.5	12236.1	13232.8	Start 130.0 hold at 22040.1 MD	
22170.0	89.76	359.89	10383.0	12282.4	-1428.7	12365.3	13362.7	TD at 22170.0	

