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
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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 324626

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

1. Operator Name and Address	2. OGRID Number
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	3. API Number 30-015-49969

4. Property Code	5. Property Name	6. Well No.
329348	POTATO BABY STATE COM	903H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	34	26S	28E	4	300	S	825	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	22	26S	28E	B	200	N	1310	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		State	3066
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	22394	Wolfcamp		1/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	10.75	45.5	850	655	0
Int1	9.875	7.625	29.7	7000	940	0
Int1	8.75	7.625	29.7	9650	940	0
Prod	6.75	5.5	20	9150	1674	9150
Prod	6.75	5.5	20	22394	1674	9150

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.** Signature:		**OIL CONSERVATION DIVISION**	
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 Expiration Date: 9/9/2024
Date:	9/7/2022 Phone: 432-685-4385	Conditions of Approval Attached	

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015- 49969	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
329348	POTATO BABY STATE COM	903H

7 OGRID No.	8 Operator Name	9 Elevation
229137	COG OPERATING LLC	3066.45'

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	825'	EAST	EDDY

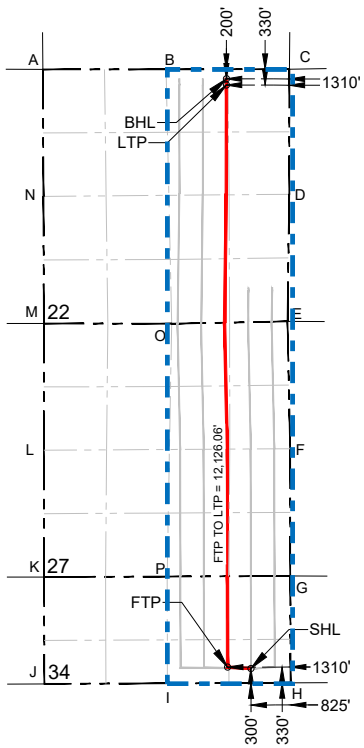
11 Bottom Hole Location If Different From Surface

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	1310'	EAST	EDDY

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

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

16



SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=623132.12 LAT.= 32.00083114° N
Y=364141.68 LONG.= -104.06946758° W
300' FSL, 825' FEL - SECTION 34

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=622647.05 LAT.= 32.00091095° N
Y=364169.54 LONG.= -104.07103219° W
330' FSL, 1310' FEL - SECTION 34

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=622623.39 LAT.= 32.03424300° N
Y=376294.77 LONG.= -104.07101357° W
330' FNL, 1310' FEL - SECTION 22

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=622623.50 LAT.= 32.03460036° N
Y=376424.77 LONG.= -104.07101217° W
200' FNL, 1310' FEL - SECTION 22

CORNER DATA
NEW MEXICO EAST - NAD 83
A - FOUND IRON PIPE W/ BRASS CAP N:376622.59' E:618799.59'
B - FOUND IRON PIPE W/ BRASS CAP N:376624.01' E:621366.59'
C - FOUND IRON PIPE W/ BRASS CAP N:376625.57' E:623933.68'
D - FOUND IRON PIPE W/ BRASS CAP N:374020.30' E:623931.34'
E - FOUND IRON PIPE W/ BRASS CAP N:371372.64' E:623894.95'
F - FOUND IRON PIPE W/ BRASS CAP N:368720.47' E:623950.18'
G - FOUND IRON PIPE W/ BRASS CAP N:366069.65' E:623952.49'
H - FOUND IRON PIPE W/ BRASS CAP N:363845.40' E:623957.83'
I - CALCULATED CORNER N:363833.89' E:621393.73'
J - FOUND IRON PIPE W/ BRASS CAP N:363822.34' E:618829.54'
K - FOUND IRON PIPE W/ BRASS CAP N:366046.79' E:618824.39'
L - FOUND IRON PIPE W/ BRASS CAP N:368688.50' E:618819.64'
M - FOUND IRON PIPE W/ BRASS CAP N:371328.78' E:618821.83'
N - FOUND IRON PIPE W/ BRASS CAP N:373976.13' E:618810.67'
O - FOUND IRON PIPE W/ BRASS CAP N:371325.17' E:621481.50'
P - CALCULATED CORNER N:366058.22' E:621388.44'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 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:

CHARLES L. JURICA
NEW MEXICO
25490
PROFESSIONAL SURVEYOR

Certificate Number

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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 324626

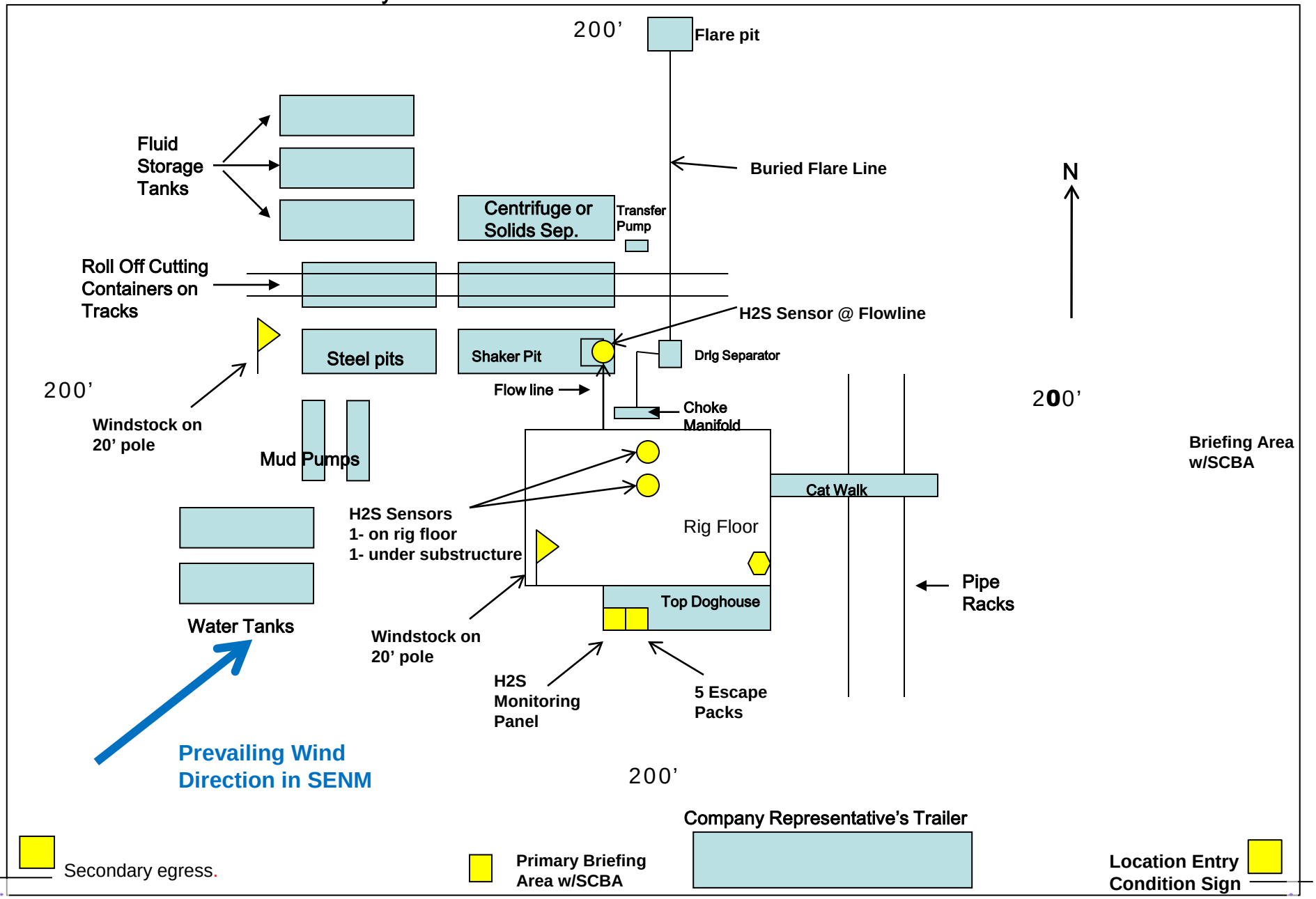
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	30-015-49969
	Well: POTATO BABY STATE COM #903H

OCD Reviewer	Condition
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

COG Operating LLC
H_2S 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 (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S 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 H_2S 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. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S 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 H_2S 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

	OFFICE	MOBILE
COG OPERATING LLC OFFICE	575-748-6940	
Dallas Daley	432-818-2329	432-631-6977

EMERGENCY RESPONSE NUMBERS

	OFFICE
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 903H

1. Geologic Formations

TVD of target	10,401' EOL	Pilot hole depth	NA
MD at TD:	22,394'	Deepest expected fresh water:	175'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	521	Water	
Top of Salt	861	Salt	
Base of Salt	2446	Salt	
Lamar	2623	Salt Water	
Bell Canyon	2657	Salt Water	
Cherry Canyon	3506	Oil/Gas	
Brushy Canyon	4692	Oil/Gas	
Bone Spring Lime	6272	Oil/Gas	
1st Bone Spring Sand	7206	Oil/Gas	
2nd Bone Spring Sand	7972	Oil/Gas	
3rd Bone Spring Sand	9021	Oil/Gas	
Wolfcamp A	9444	Oil/Gas	
Wolfcamp B	9748	Oil/Gas	
Wolfcamp C	10263	Target Oil/Gas	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.	SF	SF Burst	SF	SF
	From	To		(lbs)			Collapse		Body	Joint
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	9650	7.625"	29.7	HCP110	W513	1.48	1.65	3.28	1.95
6.75"	0	9150	5.5"	20	P110	TXP BTC	2.07	2.85	3.98	3.98
6.75"	9150	22,394	5.5"	20	P110	W441	1.82	2.51	3.50	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 903H

	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 3rd 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 2nd 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 903H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	405	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
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	425	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1249	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%
1st Intermediate	0’	50%
Production	9,150'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Potato Baby State Com 903H

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 903H

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 903H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6765 psi at 10401' TVD
Abnormal Temperature	NO 160 Deg. F.

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

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

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

8. Other Facets of Operation

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

x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
POTATO BABY STATE PROJECT (ATLAS 2628)
POTATO BABY STATE COM #903H

OWB
PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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	9,812.1	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
9,812.1	22,394.2	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #705H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #706H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #906H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #907H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #908H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #909H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #910H - OWB - PWP0						Out of range
LECHUZA BQC FEDERAL #1H - OWB - AWP						Out of range
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP						Out of range
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD						Out of range
BOWSER SWD #2 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP	9,188.0	11,059.1	876.0	804.7	12.293	CC, ES
WETHERBEE #401H - OWB - AWP	9,200.0	11,059.2	876.0	804.8	12.291	SF
WETHERBEE #402H - OWB - AWP						Out of range
WETHERBEE #405H - OWB - AWP						Out of range
WETHERBEE #421H - OWB - AWP						Out of range
WETHERBEE #422H - OWB - AWP	10,200.0	15,540.0	1,156.0	1,056.1	11.577	ES, SF
WETHERBEE #422H - OWB - AWP	10,200.5	15,540.0	1,156.0	1,056.1	11.578	CC
WETHERBEE #424H - OWB - AWP						Out of range
WETHERBEE A ALLOCATION #405H - OWB - AWP						Out of range
WETHERBEE C ALLOCATION #407H - OWB - AWP	5,272.5	5,235.7	687.3	669.5	38.577	CC
WETHERBEE C ALLOCATION #407H - OWB - AWP	5,300.0	5,262.4	687.4	669.5	38.449	ES
WETHERBEE C ALLOCATION #407H - OWB - AWP	7,790.0	7,671.8	742.1	720.6	34.502	SF
WETHERBEE D ALLOCATION #406H - OWB - AWP	1,561.1	1,554.4	838.2	829.4	95.846	CC, ES
WETHERBEE D ALLOCATION #406H - OWB - AWP	7,600.0	7,514.0	1,198.4	1,173.8	48.657	SF
WETHERBEE D ALLOCATION #408H - OWB - AWP						Out of range
WETHERBEE UNIT #423H - OWB - AWP	10,100.0	15,385.0	793.4	721.8	11.087	SF
WETHERBEE UNIT #423H - OWB - AWP	10,150.0	15,385.0	789.6	718.5	11.108	ES

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
PEACEKEEPER						
WETHERBEE UNIT #423H - OWB - AWP	10,152.3	15,385.0	789.6	718.5	11.112	CC
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,000.0	9,553.6	1,096.1	984.1	9.786	CC
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,007.5	9,546.0	1,096.1	984.0	9.781	ES
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,100.0	9,514.0	1,098.8	986.2	9.759	SF
DIAMONDBACK 22 STATE COM #1H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,000.0	14,115.5	610.7	480.7	4.698	SF
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	19,750.9	12,353.9	594.4	480.2	5.202	CC, ES
DIAMONDBACK 22 STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #701H - OWB - AWP	2,608.8	2,620.1	93.6	83.6	9.319	CC, ES, SF
POTATO BABY STATE COM #702H - OWB - AWP	9,512.7	9,578.9	94.8	61.9	2.881	CC, ES, SF
POTATO BABY STATE COM #703H - OWB - AWP	4,760.6	4,729.2	216.3	190.7	8.447	CC
POTATO BABY STATE COM #703H - OWB - AWP	4,800.0	4,768.3	216.3	190.6	8.400	ES
POTATO BABY STATE COM #703H - OWB - AWP	22,325.0	21,801.0	1,118.1	917.5	5.574	SF
POTATO BABY STATE COM #704H - OWB - AWP						Out of range
POTATO BABY STATE COM #705H - OWB - AWP						Out of range
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,500.0	1,498.9	60.0	51.1	6.746	CC, ES
POTATO BABY STATE COM #901H - OWB - PWP0.1	1,520.0	1,518.5	60.1	51.1	6.704	SF
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,500.0	1,499.4	30.0	21.1	3.375	CC, ES
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,520.0	1,519.4	30.1	21.1	3.362	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,902.3	1,899.1	29.9	18.9	2.720	CC, ES
POTATO BABY STATE COM #904H - OWB - PWP0.1	22,394.8	22,662.3	525.6	332.2	2.718	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,912.2	1,905.3	58.9	47.9	5.342	CC, ES
POTATO BABY STATE COM #905H - OWB - PWP0.1	22,394.8	22,169.4	980.2	785.6	5.038	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #907H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #908H - OWB - PWP0.1						Out of range
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	5,589.7	5,520.2	336.6	244.8	3.667	CC
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	6,300.0	6,227.6	337.0	233.3	3.250	ES
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	6,460.0	6,388.3	338.8	233.8	3.226	SF
SRO STATE #61H - OWB - AWP						Out of range
SRO STATE PROJECT (ATLAS 2628)						
SRO STATE COM #60H - OWB - ACTUAL WELLPATH						Out of range

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1	22,394.8	21,889.3				Out of Range @TD
KEG SHELL FEDERAL COM #705H - OWB - PWP1	22,394.8	21,810.0				Out of Range @TD
KEG SHELL FEDERAL COM #706H - OWB - PWP1	22,394.8	21,866.2				Out of Range @TD
KEG SHELL FEDERAL COM #906H - OWB - PWP0	22,394.8	23,053.7				Out of Range @TD
KEG SHELL FEDERAL COM #907H - OWB - PWP0	22,394.8	22,767.5				Out of Range @TD
KEG SHELL FEDERAL COM #908H - OWB - PWP0	22,394.8	22,908.8				Out of Range @TD
KEG SHELL FEDERAL COM #909H - OWB - PWP0	22,394.8	22,696.7				Out of Range @TD
KEG SHELL FEDERAL COM #910H - OWB - PWP0	22,394.8	22,918.0				Out of Range @TD
LECHUZA BQC FEDERAL #1H - OWB - AWP	22,394.8	11,732.0				Out of Range @TD
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP	22,394.8	2,655.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD	22,394.8	10,414.5				Out of Range @TD
BOWSER SWD #2 - OWB - SWD	22,394.8	10,339.5				Out of Range @TD
WETHERBEE #401H - OWB - AWP	22,394.8	11,083.0				Out of Range @TD
WETHERBEE #402H - OWB - AWP	22,394.8	11,415.0				Out of Range @TD
WETHERBEE #405H - OWB - AWP	22,394.8	7,667.0				Out of Range @TD
WETHERBEE #421H - OWB - AWP	22,394.8	15,165.0				Out of Range @TD
WETHERBEE #422H - OWB - AWP	22,394.8	15,540.0				Out of Range @TD
WETHERBEE #424H - OWB - AWP	22,394.8	15,475.0				Out of Range @TD
WETHERBEE A ALLOCATION #405H - OWB - AWP	22,394.8	7,667.0				Out of Range @TD
WETHERBEE C ALLOCATION #407H - OWB - AWP	22,394.8	7,781.0				Out of Range @TD
WETHERBEE D ALLOCATION #406H - OWB - AWP	22,394.8	7,615.1				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	22,394.8	7,531.0				Out of Range @TD
WETHERBEE UNIT #423H - OWB - AWP	22,394.8	15,385.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	22,394.8	9,420.0	1,144.4	1,032.5	10.235	
DIAMONDBACK 22 STATE COM #1H - OWB - AWP	22,394.8	8,214.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	22,394.8	10,133.0	849.1	760.3	9.556	
DIAMONDBACK 22 STATE COM #5H - OWB - AWP	22,394.8	8,355.0				Out of Range @TD
POTATO BABY STATE COM #701H - OWB - AWP	22,394.8	16,584.0				Out of Range @TD
POTATO BABY STATE COM #702H - OWB - AWP	22,394.8	20,709.0				Out of Range @TD
POTATO BABY STATE COM #703H - OWB - AWP	22,394.8	21,862.7	1,123.6	922.0	5.575	
POTATO BABY STATE COM #704H - OWB - AWP	22,394.8	21,915.0				Out of Range @TD
POTATO BABY STATE COM #705H - OWB - AWP	22,394.8	21,703.0				Out of Range @TD
POTATO BABY STATE COM #901H - OWB - PWP0.1	22,394.8	18,096.7				Out of Range @TD
POTATO BABY STATE COM #902H - OWB - PWP0.1	22,394.8	18,284.8				Out of Range @TD
POTATO BABY STATE COM #904H - OWB - PWP0.1	22,394.8	22,662.3	525.6	332.2	2.718	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	22,394.8	22,169.4	980.2	785.6	5.038	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,394.8	22,720.9				Out of Range @TD
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,394.8	22,442.0				Out of Range @TD
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,394.8	22,561.8				Out of Range @TD
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	22,394.8	13,334.0				Out of Range @TD
SRO STATE #61H - OWB - AWP	22,394.8	12,702.0				Out of Range @TD
SRO STATE PROJECT (ATLAS 2628)						

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SRO STATE PROJECT (ATLAS 2628)						
SRO STATE COM #60H - OWB - ACTUAL WELLPATH	22,394.8	15,725.0				Out of Range @TD

Offset Design: PEACEKEEPER - WETHERBEE #401H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-GYRO-NS, 8660-MWD

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,265.0	8,233.0	11,050.7	9,197.2	20.2	57.7	-179.64	-848.1	-490.5	1,272.5	1,215.2	57.27	22.219	
8,300.0	8,268.0	11,051.0	9,197.2	20.2	57.7	-179.66	-848.1	-490.2	1,247.3	1,189.4	57.87	21.552	
8,360.0	8,328.0	11,051.5	9,197.2	20.2	57.7	-179.69	-848.1	-489.8	1,205.3	1,146.4	58.94	20.450	
8,400.0	8,368.0	11,051.8	9,197.2	20.3	57.7	-179.71	-848.1	-489.5	1,178.2	1,118.5	59.67	19.745	
8,455.0	8,423.0	11,052.2	9,197.2	20.3	57.7	-179.74	-848.1	-489.0	1,142.2	1,081.5	60.70	18.817	
8,500.0	8,468.0	11,052.6	9,197.2	20.3	57.7	-179.77	-848.1	-488.6	1,113.8	1,052.3	61.55	18.095	
8,550.0	8,518.0	11,053.0	9,197.2	20.3	57.7	-179.79	-848.1	-488.2	1,083.7	1,021.1	62.52	17.334	
8,600.0	8,568.0	11,053.4	9,197.2	20.4	57.7	-179.82	-848.1	-487.8	1,055.0	991.5	63.48	16.619	
8,645.0	8,613.0	11,053.8	9,197.2	20.4	57.7	-179.85	-848.1	-487.4	1,030.6	966.3	64.35	16.017	
8,700.0	8,668.0	11,054.3	9,197.2	20.4	57.7	-179.88	-848.1	-486.9	1,002.7	937.3	65.39	15.335	
8,740.0	8,708.0	11,054.7	9,197.2	20.4	57.7	-179.90	-848.1	-486.6	983.9	917.7	66.13	14.878	
8,800.0	8,768.0	11,055.2	9,197.2	20.5	57.7	-179.94	-848.1	-486.0	958.0	890.9	67.19	14.259	
8,835.0	8,803.0	11,055.6	9,197.2	20.5	57.8	-179.96	-848.1	-485.7	944.4	876.6	67.78	13.934	
8,900.0	8,868.0	11,056.2	9,197.2	20.5	57.8	-180.00	-848.1	-485.1	922.1	853.3	68.78	13.406	
8,930.0	8,898.0	11,056.5	9,197.2	20.5	57.8	179.98	-848.1	-484.8	913.2	844.0	69.20	13.196	
9,000.0	8,968.0	11,057.1	9,197.3	20.5	57.8	179.94	-848.1	-484.1	895.9	825.9	70.05	12.789	
9,025.0	8,993.0	11,057.4	9,197.3	20.6	57.8	179.92	-848.1	-483.9	891.0	820.7	70.31	12.673	
9,100.0	9,068.0	11,058.2	9,197.3	20.6	57.8	179.87	-848.1	-483.1	880.4	809.5	70.90	12.417	
9,120.0	9,088.0	11,058.4	9,197.3	20.6	57.8	179.86	-848.1	-482.9	878.6	807.6	71.02	12.372	
9,188.0	9,156.0	11,059.1	9,197.3	20.6	57.8	179.81	-848.1	-482.2	876.0	804.7	71.26	12.293	CC, ES
9,200.0	9,168.0	11,059.2	9,197.3	20.6	57.8	179.80	-848.1	-482.0	876.0	804.8	71.27	12.291	SF
9,215.0	9,183.0	11,059.4	9,197.3	20.6	57.8	179.79	-848.1	-481.9	876.4	805.1	71.29	12.294	
9,300.0	9,268.0	11,060.3	9,197.3	20.7	57.9	179.73	-848.1	-480.9	883.1	811.9	71.16	12.410	
9,310.0	9,278.0	11,060.4	9,197.3	20.7	57.9	179.72	-848.1	-480.8	884.4	813.3	71.12	12.435	
9,400.0	9,368.0	11,061.4	9,197.3	20.7	57.9	179.66	-848.1	-479.8	901.3	830.6	70.61	12.764	
9,405.0	9,373.0	11,061.5	9,197.3	20.7	57.9	179.65	-848.1	-479.7	902.4	831.9	70.57	12.788	
9,500.0	9,468.0	11,062.6	9,197.3	20.8	57.9	179.58	-848.1	-478.6	929.9	860.2	69.71	13.339	
9,595.0	9,563.0	11,063.8	9,197.3	20.8	57.9	179.50	-848.1	-477.4	965.9	897.3	68.63	14.074	
9,600.0	9,568.0	11,063.9	9,197.3	20.8	57.9	179.50	-848.1	-477.4	968.0	899.4	68.57	14.117	
9,690.0	9,658.0	11,065.0	9,197.3	20.9	57.9	179.42	-848.1	-476.2	1,009.6	942.2	67.43	14.973	
9,700.0	9,668.0	11,065.2	9,197.3	20.9	58.0	179.41	-848.1	-476.1	1,014.6	947.3	67.30	15.077	
9,785.0	9,753.0	11,066.3	9,197.4	20.9	58.0	179.34	-848.1	-474.9	1,060.0	993.9	66.18	16.018	
9,800.0	9,768.0	11,066.5	9,197.4	20.9	58.0	179.32	-848.1	-474.7	1,068.6	1,002.6	65.98	16.195	
9,812.1	9,780.0	11,066.7	9,197.4	20.9	58.0	179.31	-848.1	-474.5	1,075.5	1,009.7	65.82	16.341	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE #401H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-GYRO-NS, 8660-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,850.0	9,818.0	11,067.2	9,197.4	20.9	58.0	179.35	-848.1	-474.0	1,098.9	1,033.5	65.47	16.786	
9,880.0	9,847.8	11,067.7	9,197.4	20.9	58.0	179.29	-848.1	-473.6	1,119.4	1,054.2	65.14	17.185	
9,900.0	9,867.6	11,068.0	9,197.4	20.9	58.0	179.24	-848.1	-473.3	1,133.8	1,068.9	64.93	17.461	
9,950.0	9,916.6	11,068.7	9,197.4	21.0	58.0	179.10	-848.1	-472.6	1,172.6	1,108.2	64.48	18.185	
9,975.0	9,940.8	11,069.1	9,197.4	21.0	58.0	179.00	-848.1	-472.2	1,193.3	1,129.0	64.29	18.561	
10,000.0	9,964.6	11,069.4	9,197.4	21.0	58.0	178.89	-848.1	-471.8	1,214.7	1,150.6	64.13	18.943	
10,050.0	10,011.2	11,070.2	9,197.4	21.0	58.1	178.59	-848.1	-471.1	1,259.5	1,195.6	63.86	19.723	
10,070.0	10,029.4	11,070.5	9,197.4	21.0	58.1	178.43	-848.1	-470.8	1,278.0	1,214.2	63.78	20.038	
10,100.0	10,056.0	11,070.9	9,197.4	21.0	58.1	178.12	-848.1	-470.3	1,306.3	1,242.6	63.68	20.512	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE #422H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100-Standard Keeper 104, 9511-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,785.0	9,753.0	15,540.0	10,513.5	20.9	88.3	107.00	-281.2	525.7	1,289.7	1,195.0	94.62	13.630	
9,800.0	9,768.0	15,540.0	10,513.5	20.9	88.3	107.00	-281.2	525.7	1,281.1	1,186.2	94.95	13.492	
9,812.1	9,780.0	15,540.0	10,513.5	20.9	88.3	107.00	-281.2	525.7	1,274.3	1,179.1	95.22	13.383	
9,850.0	9,818.0	15,540.0	10,513.5	20.9	88.3	109.42	-281.2	525.7	1,253.9	1,157.7	96.16	13.040	
9,880.0	9,847.8	15,540.0	10,513.5	20.9	88.3	111.06	-281.2	525.7	1,238.8	1,142.0	96.77	12.801	
9,900.0	9,867.6	15,540.0	10,513.5	20.9	88.3	112.07	-281.2	525.7	1,229.3	1,132.1	97.16	12.652	
9,950.0	9,916.6	15,540.0	10,513.5	21.0	88.3	114.26	-281.2	525.7	1,207.7	1,109.7	98.06	12.316	
9,975.0	9,940.8	15,540.0	10,513.5	21.0	88.3	115.20	-281.2	525.7	1,198.2	1,099.8	98.46	12.170	
10,000.0	9,964.6	15,540.0	10,513.5	21.0	88.3	116.03	-281.2	525.7	1,189.6	1,090.8	98.82	12.038	
10,050.0	10,011.2	15,540.0	10,513.5	21.0	88.3	117.38	-281.2	525.7	1,175.1	1,075.7	99.40	11.822	
10,070.0	10,029.4	15,540.0	10,513.5	21.0	88.3	117.81	-281.2	525.7	1,170.4	1,070.8	99.58	11.754	
10,100.0	10,056.0	15,540.0	10,513.5	21.0	88.3	118.33	-281.2	525.7	1,164.6	1,064.8	99.78	11.672	
10,150.0	10,098.7	15,540.0	10,513.5	21.0	88.3	118.90	-281.2	525.7	1,158.2	1,058.2	99.93	11.589	
10,165.0	10,111.1	15,540.0	10,513.5	21.0	88.3	119.00	-281.2	525.7	1,157.1	1,057.1	99.93	11.578	
10,200.0	10,139.0	15,540.0	10,513.5	21.0	88.3	119.09	-281.2	525.7	1,156.0	1,056.1	99.85	11.577	ES, SF
10,200.5	10,139.4	15,540.0	10,513.5	21.0	88.3	119.09	-281.2	525.7	1,156.0	1,056.1	99.85	11.578	CC
10,250.0	10,176.6	15,540.0	10,513.5	21.0	88.3	118.91	-281.2	525.7	1,158.1	1,058.5	99.52	11.637	
10,260.0	10,183.7	15,540.0	10,513.5	21.0	88.3	118.83	-281.2	525.7	1,159.0	1,059.6	99.42	11.657	
10,300.0	10,211.1	15,540.0	10,513.5	21.0	88.3	118.35	-281.2	525.7	1,164.4	1,065.5	98.94	11.768	
10,350.0	10,242.4	15,540.0	10,513.5	21.1	88.3	117.40	-281.2	525.7	1,174.9	1,076.7	98.14	11.971	
10,355.0	10,245.3	15,540.0	10,513.5	21.1	88.3	117.29	-281.2	525.7	1,176.1	1,078.1	98.05	11.995	
10,400.0	10,270.1	15,540.0	10,513.5	21.1	88.3	116.06	-281.2	525.7	1,189.2	1,092.1	97.13	12.243	
10,450.0	10,294.1	15,540.0	10,513.5	21.1	88.3	114.30	-281.2	525.7	1,207.3	1,111.4	95.95	12.583	
10,500.0	10,314.2	15,540.0	10,513.5	21.2	88.3	112.12	-281.2	525.7	1,228.8	1,134.2	94.62	12.987	
10,545.0	10,328.8	15,540.0	10,513.5	21.2	88.3	109.77	-281.2	525.7	1,250.7	1,157.4	93.32	13.403	
10,550.0	10,330.2	15,540.0	10,513.5	21.2	88.3	109.48	-281.2	525.7	1,253.3	1,160.1	93.17	13.452	
10,600.0	10,342.1	15,540.0	10,513.5	21.3	88.3	106.39	-281.2	525.7	1,280.5	1,188.9	91.65	13.973	
10,640.0	10,348.5	15,540.0	10,513.5	21.3	88.3	103.59	-281.2	525.7	1,304.0	1,213.6	90.39	14.427	
10,650.0	10,349.6	15,540.0	10,513.5	21.4	88.3	102.85	-281.2	525.7	1,310.1	1,220.0	90.07	14.545	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	15.4	15.4	4.2	3.0	-120.19	-523.9	-900.6	1,041.9				
95.0	95.0	116.5	116.5	4.3	3.0	-120.20	-523.8	-900.2	1,041.5	1,034.3	7.26	143.440	
100.0	100.0	121.7	121.7	4.3	3.0	-120.20	-523.8	-900.1	1,041.5	1,034.2	7.26	143.380	
190.0	190.0	215.3	215.2	4.3	3.0	-120.16	-522.9	-899.7	1,040.7	1,033.3	7.35	141.662	
200.0	200.0	224.9	224.9	4.4	3.0	-120.16	-522.7	-899.7	1,040.6	1,033.2	7.36	141.404	
285.0	285.0	306.7	306.7	4.4	3.0	-120.09	-521.3	-899.7	1,039.8	1,032.4	7.44	139.781	
300.0	300.0	321.4	321.4	4.4	3.0	-120.08	-521.1	-899.7	1,039.7	1,032.3	7.45	139.471	
380.0	380.0	400.0	400.0	4.5	3.0	-119.99	-519.5	-900.1	1,039.3	1,031.7	7.53	138.014	
400.0	400.0	421.0	420.9	4.5	3.0	-119.97	-519.1	-900.2	1,039.2	1,031.6	7.55	137.621	
475.0	475.0	500.9	500.8	4.6	3.1	-119.88	-517.3	-900.4	1,038.5	1,030.9	7.62	136.226	
500.0	500.0	527.6	527.5	4.6	3.1	-119.85	-516.7	-900.4	1,038.2	1,030.6	7.65	135.716	
570.0	570.0	602.4	602.3	4.7	3.1	-119.75	-514.6	-900.4	1,037.2	1,029.5	7.72	134.330	
600.0	600.0	631.6	631.5	4.7	3.1	-119.71	-513.7	-900.3	1,036.7	1,028.9	7.75	133.699	
665.0	665.0	695.3	695.2	4.8	3.1	-119.64	-512.2	-900.0	1,035.7	1,027.8	7.82	132.390	
700.0	700.0	732.0	731.9	4.8	3.1	-119.62	-511.5	-899.8	1,035.1	1,027.2	7.86	131.632	
760.0	760.0	795.7	795.5	4.9	3.2	-119.58	-510.4	-899.0	1,034.0	1,026.1	7.93	130.327	
800.0	800.0	837.7	837.6	4.9	3.2	-119.57	-509.8	-898.3	1,033.1	1,025.2	7.98	129.398	
855.0	855.0	895.5	895.3	5.0	3.2	-119.56	-508.9	-897.2	1,031.8	1,023.8	8.05	128.115	
900.0	900.0	942.2	942.0	5.0	3.2	-119.56	-508.3	-896.2	1,030.7	1,022.6	8.11	127.033	
950.0	950.0	994.0	993.7	5.1	3.3	-119.57	-507.7	-894.9	1,029.3	1,021.1	8.18	125.831	
1,000.0	1,000.0	1,043.0	1,042.7	5.1	3.3	-119.59	-507.3	-893.5	1,027.9	1,019.6	8.25	124.632	
1,045.0	1,045.0	1,086.8	1,086.5	5.1	3.3	-119.60	-507.0	-892.4	1,026.7	1,018.4	8.31	123.575	
1,100.0	1,100.0	1,143.6	1,143.3	5.2	3.3	-119.63	-506.7	-890.8	1,025.2	1,016.8	8.39	122.247	
1,140.0	1,140.0	1,185.7	1,185.4	5.2	3.4	-119.65	-506.3	-889.6	1,024.0	1,015.6	8.44	121.276	
1,200.0	1,200.0	1,241.1	1,240.7	5.3	3.4	-119.66	-505.7	-888.1	1,022.3	1,013.8	8.53	119.855	
1,235.0	1,235.0	1,272.0	1,271.7	5.3	3.4	-119.66	-505.4	-887.4	1,021.5	1,012.9	8.58	119.067	
1,300.0	1,300.0	1,332.8	1,332.5	5.4	3.5	-119.67	-504.9	-886.4	1,020.3	1,011.6	8.67	117.620	
1,330.0	1,330.0	1,362.4	1,362.0	5.4	3.5	-119.67	-504.7	-885.9	1,019.7	1,011.0	8.72	116.958	
1,400.0	1,400.0	1,433.4	1,433.0	5.5	3.5	-119.70	-504.6	-884.6	1,018.5	1,009.7	8.83	115.415	
1,425.0	1,425.0	1,459.6	1,459.3	5.5	3.5	-119.72	-504.6	-884.0	1,018.1	1,009.2	8.86	114.869	
1,500.0	1,500.0	1,538.4	1,538.1	5.6	3.6	-119.78	-504.7	-882.0	1,016.5	1,007.5	8.98	113.227	
1,520.0	1,520.0	1,559.5	1,559.1	5.6	3.6	-33.10	-504.8	-881.4	1,015.9	1,006.9	9.02	112.637	
1,600.0	1,600.0	1,638.9	1,638.5	5.7	3.6	-33.27	-505.2	-878.9	1,012.5	1,003.4	9.18	110.239	
1,615.0	1,615.0	1,653.0	1,652.6	5.7	3.7	-33.32	-505.3	-878.4	1,011.7	1,002.5	9.22	109.672	
1,700.0	1,699.8	1,737.9	1,737.5	5.8	3.7	-33.63	-505.9	-876.0	1,006.0	996.5	9.46	106.346	
1,710.0	1,709.8	1,748.8	1,748.3	5.8	3.7	-33.68	-506.0	-875.6	1,005.2	995.7	9.49	105.936	
1,800.0	1,799.5	1,840.2	1,839.6	6.0	3.8	-34.15	-506.5	-872.5	996.2	986.4	9.75	102.191	
1,805.0	1,804.4	1,844.9	1,844.3	6.0	3.8	-34.18	-506.5	-872.4	995.6	985.8	9.76	101.981	
1,900.0	1,898.7	1,933.0	1,932.4	6.3	3.8	-34.80	-507.4	-869.5	983.8	973.8	10.04	97.982	
1,995.0	1,992.8	2,019.5	2,018.9	6.5	3.9	-35.31	-508.1	-867.5	971.5	961.2	10.27	94.572	
2,000.0	1,997.7	2,024.1	2,023.5	6.5	3.9	-35.34	-508.2	-867.4	970.8	960.6	10.28	94.402	
2,090.0	2,086.9	2,107.7	2,107.0	6.7	4.0	-35.84	-509.2	-865.9	959.8	949.3	10.51	91.367	
2,100.0	2,096.8	2,117.5	2,116.9	6.7	4.0	-35.90	-509.3	-865.8	958.7	948.1	10.53	91.040	
2,185.0	2,180.9	2,201.4	2,200.7	7.0	4.0	-36.38	-510.0	-864.8	948.6	937.9	10.75	88.250	
2,200.0	2,195.8	2,218.8	2,218.1	7.0	4.0	-36.48	-510.1	-864.6	946.8	936.0	10.79	87.735	
2,280.0	2,275.0	2,309.9	2,309.3	7.2	4.1	-37.04	-510.6	-862.6	936.6	925.6	11.03	84.954	
2,300.0	2,294.8	2,330.2	2,329.5	7.3	4.1	-37.17	-510.7	-862.0	934.0	922.9	11.08	84.262	
2,375.0	2,369.1	2,400.0	2,399.3	7.5	4.2	-37.61	-510.9	-860.0	924.0	912.7	11.31	81.712	
2,400.0	2,393.8	2,425.5	2,424.7	7.5	4.2	-37.78	-511.0	-859.3	920.7	909.3	11.38	80.923	
2,470.0	2,463.2	2,483.1	2,482.4	7.8	4.3	-38.15	-511.3	-858.2	912.2	900.6	11.57	78.818	
2,500.0	2,492.9	2,509.0	2,508.2	7.8	4.3	-38.31	-511.6	-858.0	908.8	897.2	11.65	77.988	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,565.0	2,557.2	2,570.1	2,569.3	8.0	4.3	-38.69	-512.2	-857.6	901.8	890.0	11.81	76.352	
2,600.0	2,591.9	2,603.0	2,602.3	8.2	4.3	-38.89	-512.5	-857.5	898.1	886.2	11.89	75.504	
2,660.0	2,651.3	2,660.7	2,659.9	8.3	4.3	-39.25	-513.1	-857.5	891.9	879.9	12.02	74.191	
2,700.0	2,690.9	2,700.0	2,699.2	8.5	4.3	-39.49	-513.4	-857.6	887.9	875.8	12.11	73.336	
2,755.0	2,745.4	2,753.8	2,753.0	8.7	4.3	-39.82	-513.9	-857.8	882.4	870.2	12.22	72.218	
2,800.0	2,789.9	2,798.5	2,797.8	8.8	4.3	-40.09	-514.3	-858.0	877.9	865.6	12.31	71.316	
2,850.0	2,839.5	2,847.7	2,847.0	9.0	4.3	-40.40	-514.7	-858.2	873.0	860.6	12.41	70.327	
2,900.0	2,889.0	2,896.9	2,896.2	9.2	4.3	-40.71	-515.1	-858.4	868.1	855.6	12.52	69.348	
2,945.0	2,933.5	2,941.0	2,940.2	9.3	4.3	-40.98	-515.4	-858.6	863.7	851.1	12.61	68.489	
3,000.0	2,988.0	2,994.8	2,994.0	9.5	4.3	-41.32	-515.8	-858.9	858.5	845.7	12.73	67.448	
3,040.0	3,027.6	3,033.9	3,033.2	9.6	4.3	-41.56	-516.1	-859.2	854.7	841.9	12.81	66.738	
3,100.0	3,087.0	3,092.6	3,091.8	9.9	4.3	-41.93	-516.5	-859.7	849.1	836.1	12.94	65.611	
3,135.0	3,121.7	3,128.4	3,127.7	10.0	4.2	-42.17	-516.8	-859.9	845.8	832.8	13.02	64.962	
3,200.0	3,186.0	3,195.8	3,195.0	10.2	4.2	-42.59	-517.1	-860.4	839.6	826.5	13.16	63.800	
3,230.0	3,215.8	3,224.8	3,224.1	10.3	4.2	-42.77	-517.2	-860.6	836.8	823.5	13.23	63.251	
3,300.0	3,285.1	3,291.8	3,291.0	10.6	4.2	-43.21	-517.5	-861.1	830.2	816.8	13.39	62.004	
3,325.0	3,309.8	3,317.2	3,316.4	10.7	4.2	-43.37	-517.6	-861.4	827.9	814.5	13.45	61.567	
3,400.0	3,384.1	3,395.5	3,394.7	10.9	4.2	-43.88	-517.8	-861.9	820.9	807.3	13.62	60.264	
3,420.0	3,403.9	3,415.7	3,414.9	11.0	4.2	-44.01	-517.8	-862.0	819.0	805.3	13.67	59.904	
3,500.0	3,483.1	3,495.4	3,494.6	11.3	4.2	-44.53	-517.6	-862.6	811.3	797.4	13.87	58.482	
3,515.0	3,498.0	3,510.2	3,509.4	11.4	4.2	-44.62	-517.6	-862.7	809.8	795.9	13.91	58.216	
3,600.0	3,582.2	3,593.0	3,592.2	11.7	4.2	-45.15	-517.3	-863.5	801.8	787.7	14.13	56.743	
3,610.0	3,592.1	3,602.9	3,602.1	11.7	4.2	-45.21	-517.2	-863.6	800.9	786.7	14.16	56.574	
3,700.0	3,681.2	3,693.6	3,692.8	12.1	4.2	-45.80	-516.9	-864.5	792.5	778.1	14.39	55.086	
3,705.0	3,686.1	3,698.6	3,697.8	12.1	4.2	-45.83	-516.9	-864.5	792.0	777.6	14.40	55.006	
3,800.0	3,780.2	3,794.2	3,793.4	12.5	4.2	-46.46	-516.3	-865.4	783.0	768.4	14.64	53.469	
3,895.0	3,874.3	3,891.3	3,890.5	12.8	4.2	-47.08	-515.2	-866.4	773.9	759.0	14.90	51.942	
3,900.0	3,879.2	3,896.5	3,895.6	12.9	4.2	-47.12	-515.2	-866.4	773.4	758.5	14.91	51.862	
3,990.0	3,968.4	3,982.6	3,981.7	13.2	4.2	-47.68	-514.2	-867.2	764.8	749.7	15.15	50.472	
4,000.0	3,978.3	3,992.1	3,991.3	13.3	4.2	-47.75	-514.2	-867.3	763.9	748.7	15.18	50.322	
4,085.0	4,062.4	4,078.4	4,077.6	13.6	4.2	-48.35	-513.5	-868.1	756.0	740.6	15.40	49.095	
4,100.0	4,077.3	4,093.7	4,092.9	13.7	4.3	-48.46	-513.4	-868.2	754.6	739.2	15.44	48.883	
4,180.0	4,156.5	4,169.2	4,168.4	14.0	4.3	-49.03	-513.1	-868.6	747.3	731.7	15.63	47.805	
4,200.0	4,176.3	4,188.0	4,187.1	14.0	4.3	-49.18	-513.1	-868.7	745.6	729.9	15.68	47.548	
4,275.0	4,250.6	4,259.8	4,259.0	14.3	4.3	-49.76	-513.4	-869.0	739.2	723.4	15.84	46.658	
4,300.0	4,275.3	4,283.9	4,283.0	14.4	4.3	-49.96	-513.6	-869.2	737.2	721.3	15.90	46.374	
4,370.0	4,344.7	4,352.6	4,351.8	14.7	4.3	-50.54	-514.1	-869.6	731.6	715.6	16.04	45.603	
4,400.0	4,374.4	4,382.3	4,381.4	14.8	4.3	-50.79	-514.3	-869.8	729.3	713.2	16.11	45.281	
4,465.0	4,438.7	4,444.7	4,443.8	15.1	4.3	-51.33	-514.9	-870.3	724.3	708.1	16.24	44.594	
4,500.0	4,473.4	4,477.9	4,477.1	15.2	4.4	-51.61	-515.2	-870.6	721.7	705.4	16.32	44.236	
4,560.0	4,532.8	4,536.6	4,535.7	15.5	4.4	-52.12	-515.8	-871.3	717.5	701.1	16.44	43.649	
4,600.0	4,572.4	4,576.3	4,575.5	15.7	4.4	-52.47	-516.3	-871.7	714.7	698.2	16.52	43.268	
4,655.0	4,626.9	4,632.0	4,631.1	15.9	4.4	-52.98	-517.1	-872.1	710.9	694.3	16.63	42.754	
4,700.0	4,671.5	4,678.1	4,677.2	16.1	4.4	-53.42	-517.8	-872.3	707.8	691.0	16.71	42.350	
4,750.0	4,721.0	4,726.9	4,726.0	16.3	4.5	-53.91	-518.5	-872.3	704.2	687.4	16.80	41.916	
4,790.0	4,760.6	4,764.5	4,763.6	16.4	4.5	-54.29	-519.2	-872.3	701.5	684.6	16.87	41.577	
4,800.0	4,770.5	4,773.9	4,773.0	16.5	4.5	-54.38	-519.4	-872.3	700.9	684.0	16.89	41.506	
4,845.0	4,815.1	4,816.7	4,815.8	16.6	4.5	-54.79	-520.4	-872.4	698.2	681.2	16.97	41.147	
4,900.0	4,869.6	4,869.8	4,868.9	16.9	4.5	-55.26	-521.6	-872.6	695.4	678.3	17.07	40.735	
4,940.0	4,909.4	4,908.6	4,907.7	17.0	4.6	-55.58	-522.6	-872.8	693.7	676.5	17.14	40.459	
5,000.0	4,969.0	4,967.6	4,966.6	17.3	4.6	-56.04	-524.0	-873.3	691.4	674.2	17.26	40.062	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	5,003.8	5,000.0	4,999.0	17.4	4.6	-56.27	-524.7	-873.7	690.4	673.0	17.33	39.839	
5,100.0	5,068.6	5,064.2	5,063.2	17.6	4.7	-56.67	-526.1	-874.7	688.8	671.4	17.46	39.454	
5,130.0	5,098.5	5,092.9	5,091.9	17.7	4.7	-56.83	-526.8	-875.2	688.4	670.8	17.52	39.289	
5,200.0	5,168.3	5,163.7	5,162.7	18.0	4.7	-57.18	-528.5	-876.5	687.7	670.0	17.67	38.927	
5,225.0	5,193.2	5,189.1	5,188.1	18.1	4.7	-57.30	-529.1	-877.0	687.5	669.8	17.72	38.807	
5,272.5	5,240.6	5,235.7	5,234.7	18.2	4.8	-57.49	-530.2	-877.7	687.3	669.5	17.82	38.577	CC
5,300.0	5,268.1	5,262.4	5,261.4	18.3	4.8	-57.59	-530.8	-878.2	687.4	669.5	17.88	38.449	ES
5,320.0	5,288.1	5,281.9	5,280.8	18.4	4.8	-57.66	-531.3	-878.6	687.5	669.6	17.92	38.363	
5,400.0	5,368.0	5,361.0	5,359.9	18.7	4.9	-57.89	-533.4	-880.0	688.4	670.3	18.10	38.039	
5,415.0	5,383.0	5,375.9	5,374.8	18.7	4.9	-57.93	-533.8	-880.3	688.6	670.5	18.13	37.987	
5,500.0	5,468.0	5,460.0	5,458.9	18.9	4.9	-58.10	-536.3	-881.8	690.4	672.1	18.31	37.700	
5,510.0	5,478.0	5,469.9	5,468.7	19.0	4.9	-58.11	-536.5	-882.0	690.7	672.4	18.33	37.682	
5,590.0	5,558.0	5,551.1	5,549.8	19.1	5.0	-144.89	-538.9	-883.5	693.1	674.7	18.47	37.537	
5,600.0	5,568.0	5,561.3	5,560.1	19.1	5.0	-144.89	-539.1	-883.7	693.5	675.0	18.47	37.537	
5,605.0	5,573.0	5,566.5	5,565.3	19.1	5.0	-144.89	-539.3	-883.8	693.6	675.1	18.48	37.532	
5,700.0	5,668.0	5,663.3	5,662.1	19.1	5.1	-144.92	-541.9	-885.2	696.5	677.9	18.61	37.428	
5,795.0	5,763.0	5,757.6	5,756.2	19.1	5.2	-144.96	-544.4	-886.4	699.3	680.5	18.74	37.311	
5,800.0	5,768.0	5,762.5	5,761.1	19.1	5.2	-144.96	-544.6	-886.4	699.4	680.7	18.75	37.306	
5,890.0	5,858.0	5,853.1	5,851.7	19.2	5.3	-145.04	-547.4	-887.3	702.2	683.3	18.87	37.212	
5,900.0	5,868.0	5,863.4	5,862.0	19.2	5.3	-145.04	-547.7	-887.4	702.5	683.6	18.88	37.201	
5,985.0	5,953.0	5,949.4	5,948.0	19.2	5.4	-145.11	-550.1	-888.1	704.9	685.9	19.00	37.096	
6,000.0	5,968.0	5,964.5	5,963.0	19.2	5.4	-145.12	-550.5	-888.3	705.3	686.3	19.02	37.076	
6,080.0	6,048.0	6,045.0	6,043.6	19.3	5.5	-145.16	-552.6	-889.0	707.5	688.3	19.14	36.966	
6,100.0	6,068.0	6,065.2	6,063.8	19.3	5.5	-145.18	-553.2	-889.2	708.0	688.8	19.17	36.937	
6,175.0	6,143.0	6,140.3	6,138.8	19.3	5.5	-145.22	-555.1	-889.9	710.0	690.7	19.28	36.825	
6,200.0	6,168.0	6,165.1	6,163.6	19.3	5.6	-145.23	-555.7	-890.2	710.6	691.3	19.32	36.785	
6,270.0	6,238.0	6,235.5	6,234.0	19.3	5.6	-145.22	-557.1	-891.4	712.5	693.1	19.43	36.670	
6,300.0	6,268.0	6,266.0	6,264.5	19.4	5.7	-145.20	-557.6	-892.0	713.3	693.8	19.48	36.617	
6,365.0	6,333.0	6,331.9	6,330.4	19.4	5.7	-145.12	-558.4	-893.8	714.8	695.3	19.59	36.489	
6,400.0	6,368.0	6,367.2	6,365.7	19.4	5.8	-145.08	-558.8	-894.6	715.7	696.0	19.65	36.421	
6,460.0	6,428.0	6,428.7	6,427.1	19.4	5.8	-145.04	-559.6	-895.9	717.0	697.3	19.75	36.305	
6,500.0	6,468.0	6,470.4	6,468.8	19.4	5.9	-145.03	-560.3	-896.4	717.9	698.0	19.82	36.228	
6,555.0	6,523.0	6,526.8	6,525.2	19.5	5.9	-145.06	-561.3	-896.7	718.8	698.9	19.90	36.125	
6,600.0	6,568.0	6,572.1	6,570.5	19.5	6.0	-145.11	-562.3	-896.6	719.6	699.6	19.96	36.048	
6,650.0	6,618.0	6,624.9	6,623.3	19.5	6.0	-145.20	-563.6	-896.1	720.4	700.4	20.02	35.982	
6,700.0	6,668.0	6,680.6	6,679.0	19.5	6.1	-145.31	-564.8	-895.3	720.8	700.7	20.07	35.916	
6,745.0	6,713.0	6,727.2	6,725.5	19.5	6.1	-145.41	-565.6	-894.3	720.9	700.8	20.11	35.844	
6,800.0	6,768.0	6,781.4	6,779.7	19.6	6.1	-145.54	-566.7	-893.1	721.1	701.0	20.17	35.760	
6,840.0	6,808.0	6,821.1	6,819.4	19.6	6.2	-145.63	-567.5	-892.2	721.3	701.1	20.20	35.702	
6,900.0	6,868.0	6,881.2	6,879.5	19.6	6.2	-145.76	-568.6	-891.1	721.5	701.3	20.26	35.608	
6,935.0	6,903.0	6,914.7	6,913.0	19.6	6.3	-145.81	-569.1	-890.6	721.7	701.4	20.30	35.544	
7,000.0	6,968.0	6,973.5	6,971.7	19.6	6.3	-145.90	-570.2	-890.1	722.4	702.0	20.39	35.422	
7,030.0	6,998.0	7,000.7	6,998.9	19.7	6.4	-145.93	-570.8	-890.0	722.9	702.5	20.44	35.372	
7,100.0	7,068.0	7,074.8	7,073.0	19.7	6.4	-146.02	-572.5	-889.7	724.0	703.5	20.53	35.266	
7,125.0	7,093.0	7,101.3	7,099.5	19.7	6.5	-146.06	-573.0	-889.4	724.3	703.8	20.56	35.225	
7,200.0	7,168.0	7,178.7	7,176.9	19.7	6.5	-146.23	-574.8	-888.1	725.0	704.4	20.64	35.120	
7,220.0	7,188.0	7,199.4	7,197.5	19.7	6.6	-146.28	-575.3	-887.6	725.2	704.5	20.67	35.091	
7,300.0	7,268.0	7,280.2	7,278.4	19.8	6.6	-146.51	-577.3	-885.5	725.7	704.9	20.74	34.988	
7,315.0	7,283.0	7,295.4	7,293.5	19.8	6.7	-146.56	-577.7	-885.0	725.8	705.0	20.75	34.968	
7,400.0	7,368.0	7,377.5	7,375.6	19.8	6.7	-146.79	-579.9	-882.9	726.4	705.5	20.84	34.854	
7,410.0	7,378.0	7,387.2	7,385.2	19.8	6.7	-146.82	-580.1	-882.6	726.5	705.6	20.85	34.841	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,500.0	7,468.0	7,477.6	7,475.6	19.9	6.8	-147.08	-582.7	-880.3	727.4	706.4	20.94	34.735	
7,505.0	7,473.0	7,482.7	7,480.6	19.9	6.8	-147.10	-582.9	-880.2	727.4	706.5	20.95	34.729	
7,600.0	7,568.0	7,575.3	7,573.2	19.9	6.9	-147.41	-585.8	-877.4	728.4	707.4	21.03	34.634	
7,695.0	7,663.0	7,623.0	7,620.8	19.9	7.0	-147.57	-588.2	-876.4	732.0	710.8	21.20	34.527	
7,700.0	7,668.0	7,623.0	7,620.8	19.9	7.0	-147.57	-588.2	-876.4	732.4	711.2	21.22	34.520	
7,790.0	7,758.0	7,671.8	7,669.2	20.0	7.1	-147.80	-594.0	-876.7	742.1	720.6	21.51	34.502	SF
7,800.0	7,768.0	7,676.8	7,674.2	20.0	7.1	-147.82	-594.8	-876.8	743.5	722.0	21.54	34.514	
7,885.0	7,853.0	7,750.0	7,746.4	20.0	7.1	-148.10	-606.2	-879.7	756.6	734.9	21.71	34.847	
7,900.0	7,868.0	7,750.0	7,746.4	20.0	7.1	-148.10	-606.2	-879.7	759.1	737.4	21.78	34.855	
7,980.0	7,948.0	7,791.1	7,786.7	20.1	7.2	-148.28	-614.4	-882.0	775.2	753.1	22.06	35.134	
8,000.0	7,968.0	7,800.2	7,795.4	20.1	7.3	-148.34	-616.5	-882.5	779.8	757.7	22.15	35.209	
8,075.0	8,043.0	7,832.0	7,826.0	20.1	7.4	-148.55	-625.1	-884.4	799.7	777.2	22.48	35.565	
8,100.0	8,068.0	7,844.0	7,837.4	20.1	7.4	-148.65	-628.8	-885.2	807.1	784.5	22.60	35.721	
8,170.0	8,138.0	7,876.0	7,867.3	20.2	7.5	-148.93	-639.9	-887.5	830.2	807.3	22.93	36.212	
8,200.0	8,168.0	7,876.0	7,867.3	20.2	7.5	-148.93	-639.9	-887.5	841.0	817.9	23.11	36.384	
8,265.0	8,233.0	7,908.0	7,896.5	20.2	7.7	-149.26	-652.8	-889.9	866.3	842.8	23.42	36.984	
8,300.0	8,268.0	7,922.0	7,909.1	20.2	7.7	-149.42	-658.9	-891.0	880.8	857.3	23.58	37.357	
8,360.0	8,328.0	7,950.3	7,934.1	20.2	7.8	-149.74	-671.7	-893.2	907.0	883.2	23.82	38.074	
8,400.0	8,368.0	7,972.0	7,953.1	20.3	7.8	-150.00	-682.1	-895.0	925.5	901.5	23.96	38.620	
8,455.0	8,423.0	7,972.0	7,953.1	20.3	7.8	-150.00	-682.1	-895.0	952.2	927.9	24.32	39.156	
8,500.0	8,468.0	7,991.5	7,969.7	20.3	7.9	-150.25	-692.3	-896.7	975.2	950.6	24.55	39.721	
8,550.0	8,518.0	8,003.0	7,979.2	20.3	7.9	-150.40	-698.7	-897.7	1,002.1	977.3	24.83	40.354	
8,600.0	8,568.0	8,003.0	7,979.2	20.4	7.9	-150.40	-698.7	-897.7	1,030.6	1,005.4	25.15	40.985	
8,645.0	8,613.0	8,022.5	7,994.7	20.4	8.1	-150.69	-710.3	-899.5	1,056.9	1,031.4	25.42	41.575	
8,700.0	8,668.0	8,035.0	8,004.4	20.4	8.2	-150.88	-718.2	-900.6	1,090.5	1,064.7	25.75	42.351	
8,740.0	8,708.0	8,035.0	8,004.4	20.4	8.2	-150.88	-718.2	-900.6	1,115.8	1,089.8	25.98	42.943	
8,800.0	8,768.0	8,051.8	8,016.9	20.5	8.3	-151.16	-729.4	-902.1	1,154.8	1,128.5	26.33	43.859	
8,835.0	8,803.0	8,067.0	8,027.6	20.5	8.3	-151.42	-740.0	-903.4	1,178.4	1,151.9	26.53	44.420	
8,900.0	8,868.0	8,067.0	8,027.6	20.5	8.3	-151.42	-740.0	-903.4	1,222.9	1,196.0	26.88	45.488	
8,930.0	8,898.0	8,067.0	8,027.6	20.5	8.3	-151.42	-740.0	-903.4	1,244.1	1,217.0	27.04	46.001	
9,000.0	8,968.0	8,082.8	8,038.3	20.5	8.4	-151.70	-751.6	-904.8	1,294.3	1,266.9	27.43	47.194	
9,025.0	8,993.0	8,086.1	8,040.4	20.6	8.5	-151.76	-754.1	-905.1	1,312.6	1,285.1	27.56	47.634	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	4.2	3.0	138.83	-632.4	553.1	840.4				
95.0	95.0	67.7	67.6	4.3	3.0	138.82	-632.5	553.4	840.5	833.2	7.26	115.767	
100.0	100.0	72.1	72.1	4.3	3.0	138.81	-632.5	553.5	840.5	833.3	7.26	115.732	
190.0	190.0	157.8	157.8	4.3	3.0	138.78	-633.1	554.6	841.8	834.4	7.34	114.637	
200.0	200.0	167.7	167.7	4.4	3.0	138.78	-633.1	554.8	841.9	834.5	7.36	114.458	
285.0	285.0	254.3	254.2	4.4	3.0	138.75	-633.8	556.0	843.2	835.7	7.44	113.346	
300.0	300.0	269.9	269.9	4.4	3.0	138.74	-633.9	556.2	843.4	835.9	7.46	113.111	
380.0	380.0	350.6	350.6	4.5	3.0	138.69	-634.1	557.4	844.3	836.8	7.54	111.989	
400.0	400.0	370.4	370.4	4.5	3.0	138.67	-634.2	557.7	844.5	837.0	7.56	111.685	
475.0	475.0	446.7	446.7	4.6	3.1	138.63	-634.4	558.8	845.4	837.8	7.64	110.616	
500.0	500.0	472.6	472.6	4.6	3.1	138.61	-634.4	559.2	845.7	838.0	7.67	110.231	
570.0	570.0	544.1	544.0	4.7	3.1	138.55	-634.2	560.2	846.2	838.5	7.75	109.219	
600.0	600.0	574.5	574.4	4.7	3.1	138.52	-634.1	560.7	846.5	838.7	7.78	108.772	
665.0	665.0	640.0	639.9	4.8	3.1	138.45	-633.8	561.7	846.9	839.1	7.85	107.848	
700.0	700.0	675.2	675.1	4.8	3.1	138.42	-633.7	562.2	847.1	839.2	7.89	107.336	
760.0	760.0	737.5	737.5	4.9	3.2	138.36	-633.4	563.1	847.5	839.5	7.96	106.513	
800.0	800.0	780.0	779.9	4.9	3.2	138.32	-633.0	563.6	847.6	839.6	8.00	105.944	
855.0	855.0	836.4	836.3	5.0	3.2	138.27	-632.5	564.1	847.5	839.5	8.05	105.250	
900.0	900.0	881.8	881.7	5.0	3.2	138.23	-632.1	564.5	847.5	839.4	8.10	104.606	
950.0	950.0	934.1	934.0	5.1	3.2	138.19	-631.6	564.9	847.4	839.2	8.15	103.998	
1,000.0	1,000.0	987.5	987.4	5.1	3.3	138.16	-631.0	565.0	847.0	838.9	8.19	103.406	
1,045.0	1,045.0	1,033.4	1,033.3	5.1	3.3	138.14	-630.6	564.9	846.6	838.4	8.23	102.890	
1,100.0	1,100.0	1,088.4	1,088.3	5.2	3.3	138.12	-630.0	564.8	846.1	837.9	8.27	102.263	
1,140.0	1,140.0	1,131.4	1,131.3	5.2	3.3	138.11	-629.5	564.7	845.7	837.4	8.31	101.803	
1,200.0	1,200.0	1,197.8	1,197.7	5.3	3.3	138.10	-628.6	564.0	844.7	836.4	8.36	101.057	
1,235.0	1,235.0	1,234.0	1,233.8	5.3	3.3	138.11	-628.1	563.4	844.0	835.6	8.39	100.588	
1,300.0	1,300.0	1,300.9	1,300.7	5.4	3.3	138.15	-627.4	562.0	842.5	834.0	8.45	99.691	
1,330.0	1,330.0	1,329.6	1,329.4	5.4	3.3	138.18	-627.1	561.2	841.8	833.3	8.48	99.256	
1,400.0	1,400.0	1,396.7	1,396.5	5.5	3.3	138.26	-627.0	559.3	840.3	831.8	8.55	98.261	
1,425.0	1,425.0	1,420.9	1,420.7	5.5	3.3	138.30	-627.0	558.6	839.9	831.3	8.58	97.905	
1,500.0	1,500.0	1,493.6	1,493.4	5.6	3.3	138.42	-627.3	556.5	838.6	830.0	8.66	96.855	
1,520.0	1,520.0	1,513.4	1,513.1	5.6	3.3	-134.84	-627.4	555.9	838.4	829.7	8.69	96.518	
1,561.1	1,561.1	1,554.4	1,554.2	5.6	3.3	-134.79	-627.6	554.7	838.2	829.4	8.74	95.846	CC, ES
1,600.0	1,600.0	1,593.3	1,593.0	5.7	3.3	-134.77	-627.9	553.5	838.4	829.5	8.80	95.241	
1,615.0	1,615.0	1,609.3	1,609.0	5.7	3.3	-134.77	-628.0	553.0	838.5	829.7	8.83	94.932	
1,700.0	1,699.8	1,704.7	1,704.3	5.8	3.3	-134.82	-628.2	549.6	839.9	830.9	9.01	93.212	
1,710.0	1,709.8	1,713.5	1,713.1	5.8	3.3	-134.83	-628.2	549.2	840.1	831.1	9.03	93.012	
1,800.0	1,799.5	1,800.0	1,799.6	6.0	3.3	-135.00	-628.1	546.1	843.6	834.4	9.23	91.384	
1,805.0	1,804.4	1,800.0	1,799.6	6.0	3.3	-135.00	-628.1	546.1	843.9	834.6	9.24	91.307	
1,900.0	1,898.7	1,890.7	1,890.3	6.3	3.3	-135.31	-628.1	543.8	850.5	841.0	9.47	89.845	
1,995.0	1,992.8	1,987.6	1,987.2	6.5	3.3	-135.85	-628.0	541.8	858.7	849.0	9.67	88.800	
2,000.0	1,997.7	1,992.8	1,992.3	6.5	3.3	-135.88	-628.0	541.7	859.1	849.4	9.68	88.741	
2,090.0	2,086.9	2,080.6	2,080.1	6.7	3.4	-136.38	-627.7	540.0	866.7	856.8	9.89	87.645	
2,100.0	2,096.8	2,090.3	2,089.8	6.7	3.4	-136.43	-627.7	539.8	867.6	857.7	9.91	87.522	
2,185.0	2,180.9	2,175.5	2,175.0	7.0	3.4	-136.90	-627.5	538.2	875.0	864.9	10.13	86.412	
2,200.0	2,195.8	2,190.6	2,190.1	7.0	3.4	-136.99	-627.4	537.9	876.3	866.1	10.16	86.212	
2,280.0	2,275.0	2,266.6	2,266.1	7.2	3.4	-137.41	-627.1	536.7	883.4	873.0	10.38	85.126	
2,300.0	2,294.8	2,285.5	2,285.0	7.3	3.5	-137.52	-627.0	536.5	885.2	874.8	10.43	84.859	
2,375.0	2,369.1	2,354.7	2,354.2	7.5	3.5	-137.91	-626.9	535.8	892.3	881.7	10.64	83.901	
2,400.0	2,393.8	2,377.6	2,377.1	7.5	3.5	-138.04	-626.9	535.6	894.8	884.1	10.70	83.596	
2,470.0	2,463.2	2,444.9	2,444.4	7.8	3.5	-138.41	-627.2	535.2	902.0	891.1	10.90	82.768	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,492.9	2,474.5	2,474.0	7.8	3.5	-138.57	-627.4	535.0	905.1	894.2	10.98	82.421	
2,565.0	2,557.2	2,538.1	2,537.6	8.0	3.6	-138.90	-627.8	534.6	911.9	900.8	11.17	81.673	
2,600.0	2,591.9	2,572.1	2,571.6	8.2	3.6	-139.08	-628.1	534.3	915.7	904.4	11.27	81.280	
2,660.0	2,651.3	2,631.7	2,631.2	8.3	3.6	-139.37	-628.6	533.9	922.1	910.6	11.44	80.591	
2,700.0	2,690.9	2,672.4	2,671.8	8.5	3.6	-139.57	-629.0	533.6	926.3	914.8	11.56	80.125	
2,755.0	2,745.4	2,727.5	2,727.0	8.7	3.7	-139.82	-629.6	532.9	932.1	920.4	11.73	79.470	
2,800.0	2,789.9	2,772.1	2,771.6	8.8	3.7	-140.03	-630.0	532.5	936.9	925.0	11.87	78.932	
2,850.0	2,839.5	2,821.8	2,821.2	9.0	3.7	-140.26	-630.4	532.0	942.2	930.2	12.03	78.329	
2,900.0	2,889.0	2,871.6	2,871.0	9.2	3.7	-140.49	-630.9	531.5	947.5	935.3	12.19	77.727	
2,945.0	2,933.5	2,915.8	2,915.3	9.3	3.8	-140.69	-631.3	531.0	952.3	939.9	12.34	77.192	
3,000.0	2,988.0	2,968.8	2,968.2	9.5	3.8	-140.93	-631.8	530.5	958.2	945.7	12.52	76.563	
3,040.0	3,027.6	3,008.0	3,007.4	9.6	3.8	-141.10	-632.3	530.1	962.6	949.9	12.65	76.093	
3,100.0	3,087.0	3,071.6	3,071.0	9.9	3.9	-141.38	-632.8	529.5	969.0	956.2	12.86	75.328	
3,135.0	3,121.7	3,107.5	3,107.0	10.0	3.9	-141.55	-633.0	529.1	972.7	959.7	12.99	74.904	
3,200.0	3,186.0	3,167.0	3,166.5	10.2	4.0	-141.82	-633.3	528.7	979.7	966.5	13.21	74.164	
3,230.0	3,215.8	3,194.5	3,193.9	10.3	4.0	-141.94	-633.5	528.5	983.0	969.7	13.31	73.838	
3,300.0	3,285.1	3,263.3	3,262.7	10.6	4.0	-142.25	-634.1	528.3	990.9	977.4	13.55	73.105	
3,325.0	3,309.8	3,288.1	3,287.5	10.7	4.0	-142.36	-634.3	528.2	993.7	980.1	13.64	72.849	
3,400.0	3,384.1	3,363.6	3,363.1	10.9	4.1	-142.69	-634.9	527.9	1,002.2	988.3	13.91	72.060	
3,420.0	3,403.9	3,383.9	3,383.3	11.0	4.1	-142.78	-635.0	527.8	1,004.5	990.5	13.98	71.850	
3,500.0	3,483.1	3,464.7	3,464.1	11.3	4.2	-143.14	-635.4	527.5	1,013.4	999.1	14.28	70.972	
3,515.0	3,498.0	3,479.9	3,479.3	11.4	4.2	-143.21	-635.5	527.5	1,015.1	1,000.8	14.34	70.806	
3,600.0	3,582.2	3,569.5	3,568.9	11.7	4.3	-143.61	-635.6	527.0	1,024.4	1,009.7	14.68	69.787	
3,610.0	3,592.1	3,580.2	3,579.6	11.7	4.3	-143.65	-635.6	527.0	1,025.4	1,010.7	14.72	69.663	
3,700.0	3,681.2	3,670.4	3,669.8	12.1	4.4	-144.04	-635.5	526.1	1,034.9	1,019.8	15.09	68.565	
3,705.0	3,686.1	3,675.3	3,674.7	12.1	4.4	-144.06	-635.5	526.1	1,035.4	1,020.3	15.11	68.505	
3,800.0	3,780.2	3,765.0	3,764.4	12.5	4.5	-144.45	-635.4	525.4	1,045.6	1,030.1	15.51	67.425	
3,895.0	3,874.3	3,858.1	3,857.5	12.8	4.6	-144.85	-635.4	525.2	1,056.2	1,040.3	15.91	66.373	
3,900.0	3,879.2	3,863.2	3,862.6	12.9	4.6	-144.87	-635.4	525.1	1,056.8	1,040.8	15.93	66.317	
3,990.0	3,968.4	3,955.5	3,954.9	13.2	4.7	-145.26	-635.4	524.7	1,066.7	1,050.4	16.34	65.294	
4,000.0	3,978.3	3,965.9	3,965.3	13.3	4.7	-145.30	-635.3	524.6	1,067.8	1,051.4	16.38	65.179	
4,085.0	4,062.4	4,050.8	4,050.2	13.6	4.8	-145.65	-635.2	524.0	1,077.0	1,060.2	16.77	64.234	
4,100.0	4,077.3	4,065.4	4,064.8	13.7	4.8	-145.71	-635.2	523.9	1,078.6	1,061.8	16.83	64.073	
4,180.0	4,156.5	4,145.3	4,144.7	14.0	4.9	-146.02	-635.1	523.3	1,087.3	1,070.1	17.20	63.216	
4,200.0	4,176.3	4,165.6	4,165.0	14.0	4.9	-146.10	-635.1	523.1	1,089.5	1,072.2	17.29	63.002	
4,275.0	4,250.6	4,240.3	4,239.7	14.3	5.0	-146.39	-635.0	522.5	1,097.6	1,080.0	17.64	62.221	
4,300.0	4,275.3	4,264.9	4,264.3	14.4	5.0	-146.48	-635.0	522.2	1,100.3	1,082.6	17.76	61.969	
4,370.0	4,344.7	4,332.7	4,332.1	14.7	5.1	-146.73	-635.0	521.6	1,108.0	1,089.9	18.08	61.296	
4,400.0	4,374.4	4,361.4	4,360.8	14.8	5.1	-146.84	-635.1	521.4	1,111.3	1,093.1	18.21	61.024	
4,465.0	4,438.7	4,424.7	4,424.1	15.1	5.2	-147.06	-635.3	520.9	1,118.6	1,100.1	18.51	60.445	
4,500.0	4,473.4	4,459.8	4,459.2	15.2	5.2	-147.18	-635.4	520.6	1,122.6	1,103.9	18.67	60.136	
4,560.0	4,532.8	4,519.1	4,518.5	15.5	5.3	-147.39	-635.5	520.1	1,129.3	1,110.4	18.94	59.619	
4,600.0	4,572.4	4,557.5	4,556.9	15.7	5.3	-147.53	-635.6	519.9	1,133.9	1,114.7	19.12	59.290	
4,655.0	4,626.9	4,610.6	4,610.0	15.9	5.4	-147.72	-635.8	519.6	1,140.2	1,120.8	19.38	58.847	
4,700.0	4,671.5	4,655.1	4,654.5	16.1	5.5	-147.87	-635.9	519.4	1,145.4	1,125.8	19.58	58.493	
4,750.0	4,721.0	4,704.4	4,703.8	16.3	5.5	-148.04	-636.0	519.2	1,151.2	1,131.4	19.81	58.118	
4,790.0	4,760.6	4,743.5	4,742.9	16.4	5.6	-148.17	-636.2	519.0	1,155.9	1,135.9	19.98	57.838	
4,800.0	4,770.5	4,753.3	4,752.7	16.5	5.6	-148.21	-636.2	518.9	1,157.0	1,137.0	20.03	57.780	
4,845.0	4,815.1	4,797.3	4,796.7	16.6	5.6	-148.38	-636.5	518.7	1,162.1	1,141.9	20.22	57.463	
4,900.0	4,869.6	4,851.8	4,851.2	16.9	5.7	-148.55	-636.9	518.3	1,167.9	1,147.5	20.46	57.081	
4,940.0	4,909.4	4,891.5	4,890.9	17.0	5.7	-148.67	-637.3	518.0	1,171.9	1,151.3	20.63	56.811	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,969.0	4,951.5	4,950.8	17.3	5.8	-148.82	-638.0	517.5	1,177.4	1,156.5	20.88	56.394	
5,035.0	5,003.8	4,986.5	4,985.9	17.4	5.8	-148.90	-638.4	517.1	1,180.3	1,159.3	21.02	56.156	
5,100.0	5,068.6	5,054.4	5,053.7	17.6	5.9	-149.03	-639.2	516.4	1,185.3	1,164.0	21.29	55.677	
5,130.0	5,098.5	5,086.0	5,085.4	17.7	5.9	-149.07	-639.6	515.9	1,187.2	1,165.8	21.41	55.458	
5,200.0	5,168.3	5,151.5	5,150.9	18.0	6.0	-149.15	-640.6	514.9	1,191.4	1,169.7	21.67	54.987	
5,225.0	5,193.2	5,174.2	5,173.6	18.1	6.0	-149.17	-640.9	514.7	1,192.8	1,171.0	21.75	54.834	
5,300.0	5,268.1	5,249.3	5,248.6	18.3	6.1	-149.23	-642.1	514.0	1,196.6	1,174.5	22.02	54.337	
5,320.0	5,288.1	5,270.5	5,269.8	18.4	6.2	-149.24	-642.4	513.8	1,197.4	1,175.3	22.09	54.205	
5,400.0	5,368.0	5,345.3	5,344.6	18.7	6.2	-149.27	-643.5	513.0	1,200.1	1,177.8	22.34	53.720	
5,415.0	5,383.0	5,358.4	5,357.7	18.7	6.3	-149.27	-643.8	512.9	1,200.6	1,178.2	22.38	53.646	
5,500.0	5,468.0	5,441.2	5,440.5	18.9	6.3	-149.24	-645.6	512.4	1,203.0	1,180.3	22.61	53.195	
5,510.0	5,478.0	5,452.3	5,451.6	19.0	6.3	-149.23	-645.8	512.4	1,203.1	1,180.5	22.63	53.162	
5,590.0	5,558.0	5,534.7	5,533.9	19.1	6.4	124.09	-646.9	511.9	1,203.9	1,181.1	22.76	52.891	
5,600.0	5,568.0	5,544.0	5,543.2	19.1	6.4	124.10	-647.1	511.9	1,203.9	1,181.2	22.76	52.888	
5,605.0	5,573.0	5,548.6	5,547.9	19.1	6.4	124.10	-647.2	511.8	1,204.0	1,181.2	22.77	52.882	
5,700.0	5,668.0	5,639.1	5,638.3	19.1	6.5	124.17	-648.7	511.5	1,204.6	1,181.8	22.82	52.797	
5,795.0	5,763.0	5,732.0	5,731.2	19.1	6.6	124.21	-649.9	511.8	1,205.5	1,182.6	22.86	52.734	
5,800.0	5,768.0	5,736.9	5,736.1	19.1	6.6	124.21	-649.9	511.8	1,205.5	1,182.7	22.86	52.732	
5,890.0	5,858.0	5,827.4	5,826.7	19.2	6.6	124.25	-651.1	512.2	1,206.5	1,183.6	22.91	52.671	
5,900.0	5,868.0	5,838.2	5,837.5	19.2	6.6	124.25	-651.2	512.2	1,206.6	1,183.7	22.91	52.659	
5,985.0	5,953.0	5,926.9	5,926.2	19.2	6.7	124.31	-652.6	512.0	1,207.2	1,184.2	22.97	52.553	
6,000.0	5,968.0	5,941.6	5,940.8	19.2	6.7	124.32	-652.9	512.0	1,207.3	1,184.3	22.98	52.535	
6,080.0	6,048.0	6,019.6	6,018.8	19.3	6.8	124.38	-654.2	511.8	1,207.9	1,184.8	23.03	52.443	
6,100.0	6,068.0	6,039.1	6,038.3	19.3	6.8	124.40	-654.5	511.7	1,208.0	1,185.0	23.04	52.422	
6,175.0	6,143.0	6,112.9	6,112.0	19.3	6.9	124.46	-656.0	511.5	1,208.7	1,185.6	23.09	52.344	
6,200.0	6,168.0	6,138.6	6,137.8	19.3	6.9	124.48	-656.6	511.4	1,208.9	1,185.8	23.11	52.313	
6,270.0	6,238.0	6,210.0	6,209.1	19.3	7.0	124.55	-658.1	511.1	1,209.5	1,186.3	23.16	52.224	
6,300.0	6,268.0	6,239.0	6,238.1	19.4	7.0	124.58	-658.8	510.9	1,209.7	1,186.6	23.18	52.190	
6,365.0	6,333.0	6,302.1	6,301.2	19.4	7.1	124.66	-660.5	510.5	1,210.4	1,187.1	23.22	52.122	
6,400.0	6,368.0	6,339.7	6,338.8	19.4	7.2	124.71	-661.6	510.1	1,210.7	1,187.4	23.25	52.070	
6,460.0	6,428.0	6,404.7	6,403.8	19.4	7.2	124.82	-663.6	509.2	1,211.0	1,187.7	23.30	51.974	
6,500.0	6,468.0	6,453.1	6,452.1	19.4	7.3	124.90	-665.0	508.2	1,211.1	1,187.7	23.35	51.867	
6,555.0	6,523.0	6,519.0	6,518.0	19.5	7.4	125.00	-666.5	506.6	1,210.6	1,187.2	23.42	51.692	
6,600.0	6,568.0	6,571.7	6,570.7	19.5	7.5	125.08	-667.4	504.9	1,210.0	1,186.5	23.48	51.526	
6,650.0	6,618.0	6,626.4	6,625.3	19.5	7.5	125.16	-668.2	503.0	1,208.9	1,185.4	23.55	51.341	
6,700.0	6,668.0	6,677.4	6,676.3	19.5	7.6	125.24	-668.8	501.1	1,207.8	1,184.2	23.60	51.167	
6,745.0	6,713.0	6,724.4	6,723.3	19.5	7.7	125.30	-669.3	499.4	1,206.7	1,183.0	23.66	51.001	
6,800.0	6,768.0	6,782.9	6,781.7	19.6	7.7	125.38	-669.8	497.2	1,205.3	1,181.5	23.73	50.783	
6,840.0	6,808.0	6,825.2	6,824.0	19.6	7.8	125.44	-670.0	495.6	1,204.1	1,180.3	23.79	50.617	
6,900.0	6,868.0	6,888.6	6,887.4	19.6	7.9	125.51	-670.0	493.2	1,202.3	1,178.4	23.87	50.358	
6,935.0	6,903.0	6,929.9	6,928.6	19.6	7.9	125.55	-669.9	491.5	1,201.1	1,177.1	23.94	50.173	
7,000.0	6,968.0	7,003.6	7,002.2	19.6	8.0	125.63	-669.4	488.0	1,198.3	1,174.2	24.04	49.839	
7,030.0	6,998.0	7,028.8	7,027.3	19.7	8.0	125.65	-669.3	486.7	1,197.0	1,172.9	24.06	49.746	
7,100.0	7,068.0	7,091.1	7,089.7	19.7	8.1	125.72	-669.1	484.0	1,194.4	1,170.3	24.11	49.531	
7,125.0	7,093.0	7,114.6	7,113.1	19.7	8.1	125.75	-669.0	483.1	1,193.5	1,169.4	24.13	49.455	
7,200.0	7,168.0	7,174.4	7,172.9	19.7	8.1	125.80	-668.8	481.1	1,191.3	1,167.1	24.20	49.232	
7,220.0	7,188.0	7,186.6	7,185.1	19.7	8.1	125.80	-668.8	480.8	1,191.0	1,166.8	24.22	49.179	
7,262.7	7,230.7	7,212.7	7,211.2	19.8	8.2	125.82	-669.0	480.4	1,190.7	1,166.4	24.26	49.084	
7,300.0	7,268.0	7,251.0	7,249.5	19.8	8.3	125.85	-669.7	480.4	1,191.1	1,166.8	24.32	48.966	
7,301.0	7,269.0	7,251.0	7,249.5	19.8	8.3	125.85	-669.7	480.4	1,191.1	1,166.8	24.32	48.967	
7,315.0	7,283.0	7,251.0	7,249.5	19.8	8.3	125.85	-669.7	480.4	1,191.2	1,166.9	24.32	48.975	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,368.0	7,321.1	7,319.5	19.8	8.5	125.90	-671.4	481.1	1,193.0	1,168.6	24.41	48.881	
7,410.0	7,378.0	7,330.5	7,328.9	19.8	8.5	125.90	-671.7	481.2	1,193.3	1,168.8	24.42	48.868	
7,500.0	7,468.0	7,417.9	7,416.3	19.9	8.6	125.97	-674.1	482.2	1,195.6	1,171.1	24.52	48.769	
7,505.0	7,473.0	7,422.8	7,421.2	19.9	8.6	125.97	-674.3	482.3	1,195.7	1,171.2	24.52	48.764	
7,600.0	7,568.0	7,514.0	7,512.3	19.9	8.7	126.07	-677.4	483.2	1,198.4	1,173.8	24.63	48.657	SF
7,695.0	7,663.0	7,567.0	7,565.2	19.9	8.7	126.17	-680.4	483.8	1,202.7	1,177.9	24.71	48.675	
7,700.0	7,668.0	7,567.0	7,565.2	19.9	8.7	126.17	-680.4	483.8	1,203.0	1,178.3	24.71	48.686	
7,790.0	7,758.0	7,599.0	7,597.0	20.0	8.8	126.31	-684.5	484.2	1,211.2	1,186.4	24.79	48.851	
7,800.0	7,768.0	7,599.0	7,597.0	20.0	8.8	126.31	-684.5	484.2	1,212.4	1,187.6	24.80	48.890	
7,885.0	7,853.0	7,631.0	7,628.3	20.0	8.9	126.56	-691.2	484.7	1,224.5	1,199.6	24.90	49.178	
7,900.0	7,868.0	7,631.0	7,628.3	20.0	8.9	126.56	-691.2	484.7	1,227.1	1,202.2	24.91	49.258	
7,980.0	7,948.0	7,662.0	7,658.0	20.1	9.0	126.86	-699.8	485.7	1,243.0	1,218.0	25.03	49.668	
8,000.0	7,968.0	7,662.0	7,658.0	20.1	9.0	126.86	-699.8	485.7	1,247.5	1,222.4	25.05	49.804	
8,075.0	8,043.0	7,694.0	7,688.0	20.1	9.1	127.22	-710.7	487.4	1,266.3	1,241.2	25.16	50.332	
8,100.0	8,068.0	7,694.0	7,688.0	20.1	9.1	127.22	-710.7	487.4	1,273.2	1,248.0	25.19	50.536	
8,170.0	8,138.0	7,725.0	7,716.5	20.2	9.1	127.62	-722.8	489.2	1,293.9	1,268.6	25.30	51.143	
8,200.0	8,168.0	7,735.0	7,725.6	20.2	9.2	127.76	-727.1	489.7	1,303.5	1,278.1	25.35	51.427	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,400.0	9,368.0	15,385.0	10,481.8	20.7	91.3	-140.67	-444.7	-872.3	1,273.4	1,206.5	66.94	19.024	
9,405.0	9,373.0	15,385.0	10,481.8	20.7	91.3	-140.67	-444.7	-872.3	1,269.1	1,202.1	66.97	18.948	
9,500.0	9,468.0	15,385.0	10,481.8	20.8	91.3	-140.67	-444.7	-872.3	1,186.7	1,119.0	67.69	17.530	
9,595.0	9,563.0	15,385.0	10,481.8	20.8	91.3	-140.67	-444.7	-872.3	1,106.3	1,037.8	68.49	16.152	
9,600.0	9,568.0	15,385.0	10,481.8	20.8	91.3	-140.67	-444.7	-872.3	1,102.2	1,033.6	68.54	16.081	
9,690.0	9,658.0	15,385.0	10,481.8	20.9	91.3	-140.67	-444.7	-872.3	1,028.5	959.1	69.39	14.822	
9,700.0	9,668.0	15,385.0	10,481.8	20.9	91.3	-140.67	-444.7	-872.3	1,020.4	950.9	69.49	14.685	
9,785.0	9,753.0	15,385.0	10,481.8	20.9	91.3	-140.67	-444.7	-872.3	953.7	883.3	70.39	13.550	
9,800.0	9,768.0	15,385.0	10,481.8	20.9	91.3	-140.67	-444.7	-872.3	942.2	871.7	70.55	13.355	
9,812.1	9,780.0	15,385.0	10,481.8	20.9	91.3	-140.67	-444.7	-872.3	933.1	862.4	70.69	13.200	
9,850.0	9,818.0	15,385.0	10,481.8	20.9	91.3	-143.06	-444.7	-872.3	905.4	834.5	70.91	12.769	
9,880.0	9,847.8	15,385.0	10,481.8	20.9	91.3	-144.69	-444.7	-872.3	885.1	813.9	71.20	12.432	
9,900.0	9,867.6	15,385.0	10,481.8	20.9	91.3	-145.62	-444.7	-872.3	872.5	801.1	71.37	12.225	
9,950.0	9,916.6	15,385.0	10,481.8	21.0	91.3	-147.52	-444.7	-872.3	844.1	772.4	71.69	11.774	
9,975.0	9,940.8	15,385.0	10,481.8	21.0	91.3	-148.27	-444.7	-872.3	831.9	760.1	71.79	11.587	
10,000.0	9,964.6	15,385.0	10,481.8	21.0	91.3	-148.89	-444.7	-872.3	821.1	749.2	71.85	11.427	
10,050.0	10,011.2	15,385.0	10,481.8	21.0	91.3	-149.82	-444.7	-872.3	804.0	732.2	71.81	11.195	
10,070.0	10,029.4	15,385.0	10,481.8	21.0	91.3	-150.08	-444.7	-872.3	798.9	727.2	71.74	11.137	
10,100.0	10,056.0	15,385.0	10,481.8	21.0	91.3	-150.37	-444.7	-872.3	793.4	721.8	71.56	11.087	SF
10,150.0	10,098.7	15,385.0	10,481.8	21.0	91.3	-150.55	-444.7	-872.3	789.6	718.5	71.08	11.108	ES
10,152.3	10,100.6	15,385.0	10,481.8	21.0	91.3	-150.55	-444.7	-872.3	789.6	718.5	71.05	11.112	CC
10,165.0	10,111.1	15,385.0	10,481.8	21.0	91.3	-150.54	-444.7	-872.3	789.8	718.9	70.90	11.140	
10,200.0	10,139.0	15,385.0	10,481.8	21.0	91.3	-150.40	-444.7	-872.3	792.7	722.4	70.40	11.261	
10,250.0	10,176.6	15,385.0	10,481.8	21.0	91.3	-149.89	-444.7	-872.3	802.7	733.2	69.54	11.543	
10,260.0	10,183.7	15,385.0	10,481.8	21.0	91.3	-149.74	-444.7	-872.3	805.5	736.2	69.36	11.615	
10,300.0	10,211.1	15,385.0	10,481.8	21.0	91.3	-149.00	-444.7	-872.3	819.3	750.7	68.57	11.948	
10,350.0	10,242.4	15,385.0	10,481.8	21.1	91.3	-147.67	-444.7	-872.3	841.8	774.3	67.52	12.467	
10,355.0	10,245.3	15,385.0	10,481.8	21.1	91.3	-147.51	-444.7	-872.3	844.4	776.9	67.42	12.524	
10,400.0	10,270.1	15,385.0	10,481.8	21.1	91.3	-145.82	-444.7	-872.3	869.7	803.2	66.46	13.086	
10,450.0	10,294.1	15,385.0	10,481.8	21.1	91.3	-143.32	-444.7	-872.3	902.3	836.9	65.42	13.793	
10,500.0	10,314.2	15,385.0	10,481.8	21.2	91.3	-139.99	-444.7	-872.3	938.8	874.4	64.42	14.574	
10,545.0	10,328.8	15,385.0	10,481.8	21.2	91.3	-136.06	-444.7	-872.3	974.5	911.0	63.58	15.329	
10,550.0	10,330.2	15,385.0	10,481.8	21.2	91.3	-135.56	-444.7	-872.3	978.6	915.2	63.49	15.415	
10,600.0	10,342.1	15,385.0	10,481.8	21.3	91.3	-129.67	-444.7	-872.3	1,021.0	958.4	62.62	16.304	
10,640.0	10,348.5	15,385.0	10,481.8	21.3	91.3	-123.59	-444.7	-872.3	1,056.4	994.4	61.99	17.042	
10,650.0	10,349.6	15,385.0	10,481.8	21.4	91.3	-121.85	-444.7	-872.3	1,065.4	1,003.6	61.84	17.229	
10,700.0	10,352.9	15,385.0	10,481.8	21.4	91.3	-111.65	-444.7	-872.3	1,111.2	1,050.1	61.12	18.179	
10,709.7	10,353.0	15,385.0	10,481.8	21.4	91.3	-109.38	-444.7	-872.3	1,120.2	1,059.2	61.00	18.365	
10,735.0	10,353.1	15,385.0	10,481.8	21.5	91.3	-109.38	-444.7	-872.3	1,143.8	1,083.1	60.67	18.852	
10,800.0	10,353.4	15,385.0	10,481.8	21.6	91.3	-109.38	-444.7	-872.3	1,204.6	1,144.7	59.91	20.107	
10,830.0	10,353.5	15,385.0	10,481.8	21.7	91.3	-109.38	-444.7	-872.3	1,232.9	1,173.3	59.60	20.685	
10,900.0	10,353.8	15,385.0	10,481.8	21.8	91.3	-109.38	-444.7	-872.3	1,299.1	1,240.1	58.96	22.035	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #11H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8665-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,430.0	10,384.7	13,182.5	9,275.3	67.0	70.8	39.30	8,375.1	333.9	1,319.3	1,199.5	119.79	11.013	
18,500.0	10,385.0	13,112.1	9,275.1	67.5	69.7	39.12	8,445.4	328.8	1,316.6	1,197.2	119.39	11.027	
18,525.0	10,385.1	13,087.3	9,275.0	67.6	69.3	39.06	8,470.2	327.0	1,315.6	1,196.3	119.26	11.031	
18,600.0	10,385.4	13,018.3	9,274.9	68.2	68.2	38.89	8,538.9	322.3	1,312.9	1,194.0	118.88	11.044	
18,620.0	10,385.5	13,000.1	9,274.7	68.3	67.9	38.85	8,557.1	321.1	1,312.2	1,193.4	118.78	11.047	
18,700.0	10,385.8	12,932.7	9,274.0	68.9	66.8	38.67	8,624.4	316.7	1,309.9	1,191.5	118.40	11.064	
18,715.0	10,385.9	12,920.3	9,273.8	69.0	66.6	38.64	8,636.7	315.9	1,309.6	1,191.3	118.33	11.068	
18,800.0	10,386.2	12,834.6	9,272.5	69.6	65.3	38.44	8,722.3	311.1	1,308.0	1,190.1	117.89	11.096	
18,810.0	10,386.3	12,823.3	9,272.5	69.7	65.1	38.42	8,733.6	310.6	1,307.8	1,190.0	117.84	11.099	
18,900.0	10,386.6	12,729.8	9,272.9	70.4	63.6	38.30	8,827.1	306.8	1,305.6	1,188.2	117.42	11.119	
18,905.0	10,386.7	12,724.7	9,273.0	70.4	63.5	38.29	8,832.1	306.6	1,305.5	1,188.1	117.40	11.120	
19,000.0	10,387.1	12,642.9	9,273.3	71.1	62.3	38.19	8,913.8	303.7	1,303.5	1,186.5	117.02	11.138	
19,095.0	10,387.4	12,550.4	9,272.7	71.8	60.9	38.07	9,006.3	300.6	1,302.4	1,185.8	116.62	11.168	
19,100.0	10,387.5	12,544.9	9,272.7	71.8	60.8	38.06	9,011.8	300.4	1,302.3	1,185.7	116.60	11.169	
19,190.0	10,387.8	12,463.0	9,272.7	72.5	59.5	37.98	9,093.7	298.1	1,301.2	1,185.0	116.24	11.194	
19,200.0	10,387.9	12,454.7	9,272.7	72.6	59.4	37.97	9,101.9	297.9	1,301.2	1,185.0	116.21	11.197	
19,243.3	10,388.1	12,419.0	9,272.3	72.9	58.9	37.93	9,137.7	297.1	1,301.0	1,185.0	116.04	11.212	
19,285.0	10,388.2	12,385.0	9,271.8	73.2	58.3	37.89	9,171.6	296.3	1,301.2	1,185.3	115.87	11.230	
19,300.0	10,388.3	12,372.8	9,271.5	73.3	58.2	37.87	9,183.9	296.0	1,301.3	1,185.5	115.80	11.237	
19,380.0	10,388.6	12,288.0	9,269.3	73.9	56.9	37.74	9,268.6	294.1	1,302.2	1,186.8	115.45	11.280	
19,400.0	10,388.7	12,251.1	9,268.9	74.0	56.3	37.69	9,305.4	293.2	1,302.2	1,186.8	115.34	11.290	
19,475.0	10,389.0	12,159.7	9,269.9	74.6	55.0	37.63	9,396.8	290.9	1,300.6	1,185.6	115.03	11.307	
19,500.0	10,389.1	12,138.7	9,270.1	74.8	54.6	37.62	9,417.8	290.3	1,300.1	1,185.1	114.94	11.311	
19,570.0	10,389.4	12,062.9	9,270.5	75.3	53.5	37.55	9,493.6	288.1	1,298.9	1,184.3	114.67	11.327	
19,600.0	10,389.5	12,019.9	9,270.8	75.5	52.9	37.50	9,536.6	286.3	1,298.1	1,183.6	114.52	11.335	
19,665.0	10,389.8	11,958.6	9,271.5	76.0	51.9	37.41	9,597.8	283.4	1,296.0	1,181.7	114.29	11.340	
19,700.0	10,389.9	11,927.9	9,271.6	76.2	51.5	37.36	9,628.5	282.0	1,295.0	1,180.9	114.17	11.343	
19,760.0	10,390.2	11,875.5	9,271.8	76.7	50.7	37.29	9,680.8	279.8	1,293.6	1,179.7	113.97	11.351	
19,800.0	10,390.3	11,840.7	9,271.8	77.0	50.2	37.24	9,715.6	278.5	1,292.9	1,179.1	113.83	11.358	
19,855.0	10,390.6	11,791.2	9,271.6	77.4	49.5	37.17	9,765.1	276.7	1,292.1	1,178.5	113.65	11.369	
19,900.0	10,390.8	11,749.5	9,271.2	77.7	48.8	37.10	9,806.7	275.2	1,291.6	1,178.1	113.50	11.381	
19,950.0	10,391.0	11,696.2	9,270.7	78.1	48.1	37.02	9,859.9	273.3	1,291.2	1,177.9	113.32	11.394	
20,000.0	10,391.2	11,634.2	9,270.7	78.4	47.2	36.94	9,921.9	271.1	1,290.3	1,177.2	113.13	11.406	
20,045.0	10,391.3	11,592.7	9,270.9	78.8	46.6	36.89	9,963.4	269.7	1,289.4	1,176.4	112.99	11.412	
20,100.0	10,391.6	11,543.8	9,271.0	79.2	45.9	36.83	10,012.3	268.1	1,288.5	1,175.7	112.83	11.420	
20,140.0	10,391.7	11,510.5	9,270.9	79.5	45.4	36.79	10,045.6	267.0	1,288.1	1,175.3	112.71	11.428	
20,200.0	10,392.0	11,461.9	9,270.3	79.9	44.7	36.73	10,094.1	265.6	1,287.8	1,175.3	112.53	11.444	
20,214.6	10,392.0	11,459.4	9,270.4	80.0	44.7	36.73	10,096.6	265.6	1,287.8	1,175.3	112.49	11.448	
20,235.0	10,392.1	11,427.6	9,269.8	80.2	44.2	36.68	10,128.4	264.7	1,287.9	1,175.5	112.42	11.456	
20,300.0	10,392.4	11,333.5	9,269.9	80.7	42.9	36.59	10,222.5	262.3	1,287.0	1,174.8	112.20	11.471	
20,330.0	10,392.5	11,305.0	9,270.2	80.9	42.5	36.57	10,251.0	261.5	1,286.4	1,174.3	112.13	11.473	
20,400.0	10,392.8	11,239.3	9,270.7	81.4	41.6	36.51	10,316.6	259.5	1,285.0	1,173.1	111.95	11.478	
20,425.0	10,392.9	11,217.0	9,270.8	81.6	41.3	36.49	10,338.9	258.9	1,284.6	1,172.7	111.89	11.481	
20,500.0	10,393.2	11,147.3	9,271.0	82.1	40.3	36.43	10,408.6	257.2	1,283.7	1,172.0	111.71	11.492	
20,520.0	10,393.3	11,120.5	9,271.0	82.3	39.9	36.40	10,435.4	256.4	1,283.5	1,171.8	111.65	11.496	
20,600.0	10,393.6	11,016.8	9,270.5	82.9	38.4	36.17	10,538.9	250.3	1,281.3	1,170.0	111.36	11.506	
20,615.0	10,393.7	11,001.0	9,270.3	83.0	38.1	36.11	10,554.7	249.0	1,280.8	1,169.5	111.31	11.506	
20,700.0	10,394.0	10,897.6	9,268.1	83.6	36.6	35.66	10,657.5	238.3	1,277.5	1,166.6	110.97	11.512	
20,710.0	10,394.1	10,880.6	9,267.6	83.7	36.3	35.56	10,674.3	236.0	1,277.0	1,166.1	110.90	11.515	
20,800.0	10,394.5	10,781.7	9,264.6	84.3	34.8	34.91	10,771.9	220.3	1,271.3	1,160.7	110.56	11.499	
20,805.0	10,394.5	10,777.3	9,264.5	84.4	34.7	34.88	10,776.2	219.6	1,271.0	1,160.5	110.55	11.497	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #11H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8665-MWD

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,900.0	10,394.9	10,621.2	9,260.4	85.1	32.2	33.70	10,929.7	191.3	1,264.1	1,154.3	109.78	11.514	
20,995.0	10,395.3	10,484.1	9,260.5	85.8	30.1	32.46	11,062.9	159.1	1,251.8	1,142.7	109.07	11.477	
21,000.0	10,395.3	10,478.9	9,260.5	85.8	30.0	32.41	11,067.9	157.8	1,251.1	1,142.1	109.06	11.472	
21,090.0	10,395.6	10,369.3	9,260.1	86.5	28.2	31.20	11,173.3	127.4	1,238.3	1,129.7	108.61	11.401	
21,100.0	10,395.7	10,355.0	9,260.1	86.6	27.9	31.03	11,186.9	123.1	1,236.8	1,128.2	108.53	11.395	
21,185.0	10,396.0	10,250.4	9,260.0	87.2	26.2	29.65	11,286.0	89.4	1,222.9	1,114.7	108.12	11.310	
21,200.0	10,396.1	10,233.2	9,259.9	87.3	25.9	29.40	11,302.1	83.5	1,220.3	1,112.2	108.07	11.292	
21,280.0	10,396.4	10,145.1	9,259.2	87.9	24.4	28.05	11,384.2	51.7	1,206.5	1,098.6	107.92	11.180	
21,300.0	10,396.5	10,116.5	9,259.0	88.1	23.9	27.58	11,410.7	40.8	1,203.0	1,095.2	107.78	11.161	
21,375.0	10,396.8	10,019.3	9,259.4	88.6	22.2	25.92	11,500.0	2.5	1,188.8	1,081.3	107.47	11.061	
21,400.0	10,396.9	9,991.9	9,259.6	88.8	21.7	25.42	11,524.9	-8.8	1,183.9	1,076.4	107.46	11.017	
21,470.0	10,397.2	9,917.1	9,259.9	89.3	20.3	23.97	11,592.4	-41.1	1,170.2	1,062.7	107.52	10.883	
21,500.0	10,397.3	9,886.1	9,259.9	89.5	19.7	23.32	11,620.0	-55.3	1,164.4	1,056.8	107.59	10.822	
21,565.0	10,397.6	9,759.5	9,260.5	90.0	17.0	20.34	11,729.4	-118.9	1,150.7	1,044.0	106.74	10.780	
21,600.0	10,397.7	9,736.0	9,260.8	90.3	16.6	19.70	11,748.8	-132.2	1,142.6	1,035.4	107.15	10.663	
21,660.0	10,398.0	9,704.6	9,260.5	90.7	16.0	18.81	11,774.3	-150.4	1,129.9	1,021.9	107.98	10.463	
21,700.0	10,398.1	9,673.0	9,259.3	91.0	15.5	17.88	11,799.9	-168.9	1,122.7	1,014.3	108.36	10.361	
21,755.0	10,398.4	9,663.7	9,258.7	91.4	15.3	17.61	11,807.4	-174.3	1,113.8	1,004.5	109.35	10.186	
21,800.0	10,398.6	9,641.0	9,257.2	91.8	14.9	16.92	11,825.7	-187.7	1,107.9	998.0	109.92	10.080	
21,850.0	10,398.8	9,622.3	9,255.6	92.1	14.6	16.35	11,840.7	-198.7	1,102.8	992.2	110.56	9.974	
21,900.0	10,399.0	9,601.3	9,253.3	92.5	14.3	15.69	11,857.5	-211.2	1,099.1	988.0	111.12	9.892	
21,945.0	10,399.2	9,578.0	9,250.5	92.8	13.9	14.95	11,875.9	-225.2	1,097.0	985.5	111.54	9.835	
22,000.0	10,399.4	9,553.6	9,247.1	93.3	13.5	14.16	11,895.0	-239.9	1,096.1	984.1	112.01	9.786	CC
22,007.5	10,399.4	9,546.0	9,246.0	93.3	13.3	13.91	11,901.0	-244.5	1,096.1	984.0	112.06	9.781	ES
22,040.0	10,399.5	9,534.5	9,244.1	93.6	13.2	13.53	11,909.9	-251.6	1,096.5	984.2	112.29	9.765	
22,100.0	10,399.8	9,514.0	9,240.7	94.0	12.8	12.85	11,925.7	-264.2	1,098.8	986.2	112.59	9.759	SF
22,135.0	10,399.9	9,494.2	9,237.1	94.3	12.5	12.18	11,940.8	-276.5	1,101.2	988.4	112.74	9.767	
22,200.0	10,400.2	9,471.7	9,232.5	94.7	12.2	11.41	11,957.6	-290.6	1,107.7	994.9	112.83	9.818	
22,230.0	10,400.3	9,461.9	9,230.3	95.0	12.0	11.07	11,964.9	-296.8	1,111.7	998.9	112.80	9.856	
22,264.2	10,400.5	9,451.0	9,227.7	95.2	11.8	10.69	11,972.9	-303.8	1,117.0	1,004.3	112.72	9.909	
22,300.0	10,400.6	9,440.8	9,225.2	95.5	11.7	10.33	11,980.3	-310.3	1,123.3	1,010.8	112.57	9.979	
22,325.0	10,400.7	9,433.8	9,223.4	95.7	11.6	10.09	11,985.4	-314.8	1,128.3	1,015.9	112.43	10.036	
22,394.2	10,401.0	9,420.0	9,219.6	96.2	11.4	9.60	11,995.3	-323.6	1,144.2	1,032.4	111.82	10.233	
22,394.8	10,401.0	9,420.0	9,219.6	96.2	11.4	9.60	11,995.3	-323.6	1,144.4	1,032.5	111.81	10.235	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #3H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 9818-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,900.0	10,378.4	14,116.0	10,360.1	56.0	66.4	85.18	7,877.8	108.2	1,247.4	1,179.4	68.06	18.328	
16,910.0	10,378.5	14,116.0	10,360.1	56.0	66.4	85.18	7,877.8	108.2	1,238.7	1,170.3	68.44	18.098	
17,000.0	10,378.8	14,116.0	10,360.1	56.7	66.4	85.18	7,877.8	108.2	1,161.3	1,089.1	72.14	16.098	
17,005.0	10,378.9	14,116.0	10,360.1	56.7	66.4	85.18	7,877.8	108.2	1,157.0	1,084.7	72.36	15.990	
17,100.0	10,379.3	14,116.0	10,360.1	57.4	66.4	85.18	7,877.8	108.2	1,077.5	1,000.7	76.79	14.031	
17,195.0	10,379.6	14,116.0	10,360.1	58.1	66.4	85.18	7,877.8	108.2	1,000.7	918.8	81.82	12.230	
17,200.0	10,379.7	14,116.0	10,360.1	58.1	66.4	85.18	7,877.8	108.2	996.7	914.6	82.10	12.140	
17,290.0	10,380.0	14,116.0	10,360.1	58.7	66.4	85.18	7,877.8	108.2	927.2	839.7	87.48	10.600	
17,300.0	10,380.1	14,116.0	10,360.1	58.8	66.4	85.18	7,877.8	108.2	919.7	831.6	88.11	10.438	
17,385.0	10,380.4	14,116.0	10,360.1	59.4	66.4	85.18	7,877.8	108.2	858.0	764.2	93.77	9.150	
17,400.0	10,380.5	14,116.0	10,360.1	59.5	66.4	85.18	7,877.8	108.2	847.5	752.7	94.82	8.938	
17,480.0	10,380.8	14,116.0	10,360.1	60.1	66.4	85.18	7,877.8	108.2	794.1	693.5	100.64	7.890	
17,500.0	10,380.9	14,116.0	10,360.1	60.2	66.4	85.18	7,877.8	108.2	781.5	679.3	102.15	7.651	
17,575.0	10,381.2	14,116.0	10,360.1	60.8	66.4	85.18	7,877.8	108.2	737.0	629.1	107.89	6.831	
17,600.0	10,381.3	14,116.0	10,360.1	61.0	66.4	85.18	7,877.8	108.2	723.3	613.5	109.82	6.586	
17,670.0	10,381.6	14,116.0	10,360.1	61.5	66.4	85.18	7,877.8	108.2	688.3	573.2	115.13	5.979	
17,700.0	10,381.7	14,116.0	10,360.1	61.7	66.4	85.18	7,877.8	108.2	675.0	557.7	117.32	5.754	
17,765.0	10,382.0	14,116.0	10,360.1	62.2	66.4	85.18	7,877.8	108.2	649.9	528.2	121.72	5.340	
17,800.0	10,382.1	14,116.0	10,360.1	62.4	66.4	85.18	7,877.8	108.2	638.8	515.0	123.82	5.159	
17,860.0	10,382.4	14,116.0	10,360.1	62.8	66.4	85.18	7,877.8	108.2	623.8	497.0	126.83	4.918	
17,900.0	10,382.5	14,116.0	10,360.1	63.1	66.4	85.18	7,877.8	108.2	616.8	488.5	128.33	4.807	
17,955.0	10,382.8	14,116.0	10,360.1	63.5	66.4	85.18	7,877.8	108.2	611.5	481.8	129.63	4.717	
17,987.8	10,382.9	14,116.0	10,360.1	63.8	66.4	85.18	7,877.8	108.2	610.6	480.6	129.96	4.698	
18,000.0	10,382.9	14,115.5	10,360.1	63.8	66.4	85.18	7,878.3	108.2	610.7	480.7	129.99	4.698 SF	
18,050.0	10,383.2	14,065.6	10,359.3	64.2	65.6	85.09	7,928.3	109.0	611.7	482.1	129.53	4.722	
18,100.0	10,383.4	14,014.5	10,358.5	64.6	64.8	85.01	7,979.3	109.7	612.5	483.5	129.07	4.746	
18,145.0	10,383.5	13,967.4	10,357.7	64.9	64.0	84.92	8,026.4	110.3	613.3	484.7	128.63	4.768	
18,200.0	10,383.8	13,903.7	10,356.6	65.3	63.0	84.79	8,090.1	110.6	613.7	485.7	128.02	4.794	
18,240.0	10,383.9	13,860.8	10,356.0	65.6	62.3	84.72	8,133.0	110.2	613.6	485.9	127.62	4.808	
18,268.5	10,384.1	13,835.2	10,355.8	65.8	61.9	84.69	8,158.6	110.1	613.5	486.1	127.40	4.816	
18,300.0	10,384.2	13,805.5	10,355.4	66.0	61.4	84.65	8,188.3	110.1	613.5	486.4	127.14	4.826	
18,335.0	10,384.3	13,765.8	10,354.4	66.3	60.7	84.54	8,228.0	109.8	613.5	486.8	126.75	4.840	
18,400.0	10,384.6	13,702.2	10,352.7	66.7	59.7	84.35	8,291.6	109.2	613.2	487.0	126.17	4.860	
18,430.0	10,384.7	13,671.9	10,352.0	67.0	59.2	84.27	8,321.8	109.0	613.1	487.2	125.89	4.870	
18,500.0	10,385.0	13,598.3	10,350.1	67.5	58.0	84.06	8,395.4	108.1	612.7	487.5	125.20	4.894	
18,525.0	10,385.1	13,573.5	10,349.6	67.6	57.6	84.00	8,420.2	107.8	612.5	487.5	124.97	4.901	
18,600.0	10,385.4	13,501.5	10,348.9	68.2	56.4	83.90	8,492.2	107.1	612.0	487.7	124.34	4.922	
18,620.0	10,385.5	13,477.3	10,348.7	68.3	56.0	83.87	8,516.4	106.9	611.9	487.8	124.09	4.931	
18,700.0	10,385.8	13,398.0	10,349.3	68.9	54.8	83.89	8,595.7	105.5	610.6	487.2	123.39	4.948	
18,715.0	10,385.9	13,384.2	10,349.4	69.0	54.5	83.88	8,609.5	105.3	610.4	487.1	123.28	4.952	
18,731.4	10,386.0	13,372.2	10,349.4	69.2	54.3	83.88	8,621.5	105.2	610.4	487.2	123.19	4.954	
18,800.0	10,386.2	13,318.3	10,350.0	69.6	53.5	83.93	8,675.4	105.7	611.0	488.3	122.76	4.978	
18,810.0	10,386.3	13,312.0	10,350.2	69.7	53.4	83.94	8,681.7	105.8	611.3	488.6	122.70	4.982	
18,900.0	10,386.6	13,241.3	10,352.1	70.4	52.2	84.13	8,752.2	109.5	615.8	493.8	122.02	5.047	
18,905.0	10,386.7	13,235.5	10,352.3	70.4	52.1	84.15	8,758.0	109.9	616.1	494.1	121.98	5.051	
19,000.0	10,387.1	13,124.5	10,353.3	71.1	50.3	84.25	8,868.8	114.9	620.5	499.5	121.08	5.125	
19,095.0	10,387.4	13,030.9	10,350.9	71.8	48.8	84.01	8,962.4	117.2	623.3	503.1	120.25	5.184	
19,100.0	10,387.5	13,027.1	10,350.8	71.8	48.8	84.01	8,966.2	117.4	623.5	503.3	120.21	5.187	
19,190.0	10,387.8	12,930.0	10,351.3	72.5	47.2	84.05	9,063.2	120.7	626.8	507.4	119.38	5.250	
19,200.0	10,387.9	12,916.0	10,351.4	72.6	47.0	84.06	9,077.3	121.0	627.0	507.8	119.25	5.258	
19,285.0	10,388.2	12,763.0	10,353.9	73.2	44.5	84.16	9,229.9	113.5	621.9	504.7	117.21	5.306	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #3H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 9818-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.0	10,388.3	12,750.7	10,353.9	73.3	44.3	84.14	9,242.2	112.4	620.6	503.5	117.15	5.298	
19,380.0	10,388.6	12,682.1	10,352.0	73.9	43.2	83.89	9,310.6	107.0	614.7	498.0	116.72	5.267	
19,400.0	10,388.7	12,661.9	10,351.3	74.0	42.9	83.80	9,330.7	105.5	613.4	496.9	116.53	5.264	
19,475.0	10,389.0	12,591.1	10,349.7	74.6	41.7	83.58	9,401.2	100.5	608.5	492.5	115.96	5.247	
19,500.0	10,389.1	12,573.0	10,350.1	74.8	41.4	83.59	9,419.3	99.5	607.2	491.3	115.90	5.239	
19,570.0	10,389.4	12,510.3	10,353.1	75.3	40.4	83.83	9,481.9	97.2	604.4	489.0	115.46	5.235	
19,600.0	10,389.5	12,447.0	10,355.9	75.5	39.4	84.03	9,545.0	93.2	602.4	488.0	114.39	5.266	
19,665.0	10,389.8	12,399.0	10,357.1	76.0	38.6	84.09	9,592.8	89.3	597.2	482.9	114.27	5.226	
19,700.0	10,389.9	12,383.0	10,357.6	76.2	38.3	84.13	9,608.8	88.4	595.4	481.0	114.38	5.206	
19,750.9	10,390.1	12,353.9	10,358.3	76.6	37.9	84.18	9,637.9	87.8	594.4	480.2	114.28	5.202	CC, ES
19,760.0	10,390.2	12,343.6	10,358.4	76.7	37.7	84.19	9,648.1	87.8	594.5	480.3	114.19	5.206	
19,800.0	10,390.3	12,305.5	10,359.0	77.0	37.1	84.22	9,686.3	87.8	594.6	480.7	113.87	5.221	
19,855.0	10,390.6	12,255.1	10,359.3	77.4	36.3	84.24	9,736.7	88.4	595.2	481.8	113.46	5.246	
19,900.0	10,390.8	12,209.8	10,359.8	77.7	35.6	84.27	9,782.0	89.1	596.0	482.9	113.08	5.271	
19,950.0	10,391.0	12,151.2	10,360.0	78.1	34.6	84.27	9,840.6	89.1	596.1	483.6	112.55	5.297	
19,953.2	10,391.0	12,148.5	10,360.0	78.1	34.6	84.27	9,843.3	89.1	596.1	483.6	112.53	5.298	
20,000.0	10,391.2	12,113.0	10,360.7	78.4	34.0	84.33	9,878.8	89.4	596.5	484.2	112.26	5.313	
20,045.0	10,391.3	12,077.4	10,362.7	78.8	33.5	84.51	9,914.3	90.5	597.8	485.8	111.97	5.339	
20,100.0	10,391.6	11,989.8	10,365.5	79.2	32.0	84.76	10,001.8	91.0	597.9	486.8	111.10	5.382	
20,140.0	10,391.7	11,957.3	10,365.7	79.5	31.5	84.76	10,034.2	90.5	597.4	486.5	110.88	5.388	
20,159.1	10,391.8	11,942.0	10,365.7	79.6	31.3	84.75	10,049.6	90.4	597.3	486.5	110.77	5.392	
20,200.0	10,392.0	11,910.0	10,365.7	79.9	30.8	84.74	10,081.6	90.8	597.8	487.3	110.52	5.409	
20,235.0	10,392.1	11,894.1	10,365.7	80.2	30.5	84.74	10,097.5	91.3	598.9	488.6	110.38	5.426	
20,300.0	10,392.4	11,829.3	10,365.8	80.7	29.5	84.76	10,162.1	94.8	602.6	492.7	109.85	5.486	
20,330.0	10,392.5	11,788.1	10,365.6	80.9	28.8	84.74	10,203.3	96.2	603.7	494.2	109.52	5.512	
20,400.0	10,392.8	11,715.2	10,364.0	81.4	27.7	84.57	10,276.2	97.7	605.4	496.5	108.92	5.558	
20,425.0	10,392.9	11,690.3	10,363.3	81.6	27.3	84.50	10,301.1	98.1	606.0	497.2	108.71	5.574	
20,500.0	10,393.2	11,625.0	10,362.1	82.1	26.3	84.37	10,366.4	99.5	607.9	499.8	108.18	5.620	
20,520.0	10,393.3	11,609.4	10,361.9	82.3	26.1	84.36	10,382.0	100.1	608.7	500.7	108.04	5.634	
20,600.0	10,393.6	11,545.6	10,361.9	82.9	25.1	84.37	10,445.6	104.0	613.7	506.3	107.45	5.712	
20,615.0	10,393.7	11,534.2	10,361.9	83.0	24.9	84.37	10,457.0	104.8	614.8	507.5	107.33	5.728	
20,700.0	10,394.0	11,398.3	10,364.6	83.6	22.7	84.62	10,592.7	110.8	618.9	512.7	106.26	5.825	
20,710.0	10,394.1	11,384.1	10,364.7	83.7	22.5	84.63	10,606.9	110.6	618.9	512.7	106.13	5.831	
20,760.4	10,394.3	11,340.6	10,365.1	84.1	21.8	84.65	10,650.4	110.2	618.5	512.7	105.82	5.845	
20,800.0	10,394.5	11,306.3	10,365.6	84.3	21.3	84.68	10,684.7	110.4	618.7	513.1	105.57	5.860	
20,805.0	10,394.5	11,300.9	10,365.6	84.4	21.2	84.68	10,690.0	110.4	618.8	513.2	105.53	5.863	
20,900.0	10,394.9	11,205.2	10,366.7	85.1	19.8	84.75	10,785.7	110.8	619.3	514.5	104.81	5.909	
20,995.0	10,395.3	11,099.8	10,368.3	85.8	18.2	84.86	10,891.2	110.6	619.1	515.1	103.99	5.953	
21,000.0	10,395.3	11,094.8	10,368.4	85.8	18.2	84.87	10,896.2	110.5	619.0	515.1	103.96	5.955	
21,090.0	10,395.6	10,995.2	10,370.6	86.5	16.7	85.02	10,995.7	109.0	617.7	514.5	103.20	5.986	
21,100.0	10,395.7	10,984.0	10,370.9	86.6	16.6	85.04	11,006.9	108.7	617.5	514.3	103.11	5.988	
21,185.0	10,396.0	10,901.5	10,371.6	87.2	15.4	85.06	11,089.4	106.0	614.8	512.3	102.57	5.995	
21,200.0	10,396.1	10,889.3	10,371.7	87.3	15.2	85.06	11,101.6	105.7	614.5	512.0	102.50	5.995	
21,280.0	10,396.4	10,803.9	10,368.9	87.9	14.1	84.74	11,186.9	103.4	612.8	510.9	101.95	6.011	
21,300.0	10,396.5	10,786.4	10,367.3	88.1	13.8	84.59	11,204.3	102.8	612.3	510.4	101.88	6.010	
21,375.0	10,396.8	10,719.6	10,361.3	88.6	13.0	83.99	11,270.7	101.1	611.2	509.6	101.58	6.017	
21,400.0	10,396.9	10,692.7	10,358.9	88.8	12.7	83.75	11,297.5	100.5	611.0	509.5	101.45	6.022	
21,470.0	10,397.2	10,625.8	10,352.3	89.3	11.9	83.09	11,364.1	98.9	610.3	509.1	101.20	6.031	
21,499.2	10,397.3	10,600.3	10,348.6	89.5	11.7	82.73	11,389.3	98.3	610.2	509.1	101.13	6.034	
21,500.0	10,397.3	10,599.6	10,348.5	89.5	11.7	82.72	11,390.0	98.3	610.2	509.1	101.13	6.034	
21,565.0	10,397.6	10,546.2	10,337.3	90.0	11.2	81.64	11,442.2	97.2	610.9	509.8	101.04	6.046	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - DIAMONDBACK 22 STATE COM #3H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 9818-MWD

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
21,600.0	10,397.7	10,515.0	10,328.9	90.3	11.0	80.84	11,472.2	96.7	611.9	510.9	101.00	6.058	
21,660.0	10,398.0	10,470.3	10,314.3	90.7	10.7	79.48	11,514.5	95.9	614.5	513.5	100.97	6.086	
21,700.0	10,398.1	10,443.5	10,304.3	91.0	10.6	78.55	11,539.3	95.7	617.3	516.4	100.93	6.116	
21,755.0	10,398.4	10,407.2	10,288.7	91.4	10.4	77.12	11,572.1	95.6	622.8	522.0	100.83	6.177	
21,800.0	10,398.6	10,376.8	10,274.0	91.8	10.3	75.80	11,598.8	95.7	628.8	528.0	100.74	6.241	
21,850.0	10,398.8	10,341.2	10,255.2	92.1	10.2	74.11	11,628.9	95.5	636.8	536.1	100.66	6.326	
21,900.0	10,399.0	10,312.8	10,238.4	92.5	10.1	72.63	11,651.8	95.1	646.5	546.1	100.35	6.443	
21,945.0	10,399.2	10,292.0	10,225.2	92.8	10.1	71.48	11,667.9	94.8	657.0	557.2	99.83	6.581	
22,000.0	10,399.4	10,260.0	10,203.9	93.3	10.0	69.66	11,691.8	94.4	672.1	572.8	99.33	6.766	
22,040.0	10,399.5	10,239.5	10,189.9	93.6	10.0	68.49	11,706.8	94.2	684.6	585.7	98.81	6.928	
22,100.0	10,399.8	10,210.4	10,169.7	94.0	9.9	66.83	11,727.6	94.2	705.6	607.7	97.87	7.209	
22,135.0	10,399.9	10,197.0	10,160.1	94.3	9.9	66.06	11,737.0	94.2	719.1	622.0	97.11	7.405	
22,200.0	10,400.2	10,165.0	10,136.3	94.7	9.7	64.20	11,758.4	94.3	746.9	650.9	95.95	7.784	
22,230.0	10,400.3	10,165.0	10,136.3	95.0	9.7	64.20	11,758.4	94.3	760.7	666.0	94.64	8.037	
22,264.2	10,400.5	10,154.2	10,127.9	95.2	9.7	63.56	11,765.2	94.4	777.4	683.7	93.68	8.299	
22,300.0	10,400.6	10,145.3	10,120.9	95.5	9.6	63.03	11,770.7	94.5	795.8	703.3	92.53	8.601	
22,325.0	10,400.7	10,133.0	10,111.0	95.7	9.6	62.29	11,778.0	94.7	809.3	717.3	92.04	8.793	
22,394.2	10,401.0	10,133.0	10,111.0	96.2	9.6	62.29	11,778.0	94.7	848.8	759.9	88.89	9.549	
22,394.8	10,401.0	10,133.0	10,111.0	96.2	9.6	62.29	11,778.0	94.7	849.1	760.3	88.86	9.556	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	6.2	6.2	3.0	3.0	-90.25	-1.6	-355.0	355.0				
95.0	95.0	96.9	96.9	3.0	3.0	-90.30	-1.9	-355.6	355.7	349.6	6.02	59.037	
100.0	100.0	101.7	101.7	3.0	3.0	-90.31	-1.9	-355.7	355.7	349.7	6.03	59.012	
190.0	190.0	193.8	193.7	3.1	3.0	-90.40	-2.5	-356.9	357.0	350.8	6.14	58.152	
200.0	200.0	204.6	204.6	3.2	3.0	-90.40	-2.5	-357.0	357.0	350.9	6.16	58.001	
285.0	285.0	295.2	295.2	3.3	3.0	-90.28	-1.7	-356.8	356.8	350.5	6.26	57.036	
300.0	300.0	310.5	310.5	3.3	3.0	-90.24	-1.5	-356.6	356.6	350.4	6.28	56.830	
380.0	380.0	391.4	391.3	3.4	3.0	-90.06	-0.3	-355.6	355.7	349.3	6.37	55.863	
400.0	400.0	411.5	411.4	3.4	3.0	-90.03	-0.2	-355.4	355.4	349.0	6.39	55.602	
475.0	475.0	487.7	487.6	3.5	3.0	-90.07	-0.4	-354.2	354.2	347.8	6.48	54.687	
500.0	500.0	512.5	512.5	3.5	3.0	-90.10	-0.6	-353.8	353.8	347.3	6.51	54.361	
570.0	570.0	582.0	582.0	3.6	3.0	-90.18	-1.1	-352.7	352.8	346.2	6.59	53.527	
600.0	600.0	611.1	611.0	3.6	3.0	-90.23	-1.4	-352.3	352.3	345.7	6.63	53.162	
665.0	665.0	672.5	672.4	3.7	3.0	-90.29	-1.8	-351.8	351.8	345.1	6.70	52.484	
674.7	674.7	681.2	681.2	3.7	3.0	-90.30	-1.8	-351.8	351.8	345.1	6.71	52.395	
700.0	700.0	704.4	704.3	3.8	3.0	-90.33	-2.0	-351.8	351.9	345.1	6.74	52.186	
760.0	760.0	761.8	761.8	3.8	3.0	-90.40	-2.4	-352.3	352.4	345.6	6.81	51.776	
800.0	800.0	801.2	801.1	3.9	3.0	-90.45	-2.7	-353.0	353.0	346.2	6.85	51.542	
855.0	855.0	857.2	857.2	4.0	3.1	-90.51	-3.2	-353.7	353.8	346.9	6.91	51.213	
900.0	900.0	901.5	901.4	4.0	3.1	-90.55	-3.4	-354.3	354.4	347.4	6.96	50.934	
950.0	950.0	953.6	953.5	4.1	3.1	-90.60	-3.7	-355.0	355.0	348.0	7.01	50.629	
1,000.0	1,000.0	1,021.9	1,021.7	4.1	3.1	-90.89	-5.5	-353.7	354.1	347.0	7.07	50.109	
1,045.0	1,045.0	1,081.0	1,080.7	4.2	3.1	-91.33	-8.1	-350.3	351.6	344.5	7.10	49.481	
1,100.0	1,100.0	1,145.5	1,144.7	4.3	3.1	-92.03	-12.2	-343.5	345.8	338.7	7.16	48.329	
1,140.0	1,140.0	1,185.1	1,184.0	4.3	3.1	-92.49	-14.8	-339.0	341.4	334.2	7.20	47.415	
1,200.0	1,200.0	1,244.4	1,242.8	4.4	3.1	-93.21	-18.6	-332.4	334.8	327.6	7.27	46.061	
1,235.0	1,235.0	1,278.0	1,276.1	4.4	3.1	-93.62	-20.8	-328.7	331.1	323.8	7.31	45.289	
1,300.0	1,300.0	1,342.4	1,339.9	4.5	3.2	-94.42	-24.9	-321.7	324.4	317.0	7.39	43.916	
1,330.0	1,330.0	1,371.9	1,369.3	4.5	3.2	-94.80	-26.7	-318.6	321.4	313.9	7.42	43.293	
1,400.0	1,400.0	1,451.3	1,448.0	4.6	3.2	-95.77	-31.3	-309.3	313.6	306.1	7.49	41.859	
1,425.0	1,425.0	1,476.0	1,472.4	4.6	3.2	-96.05	-32.4	-305.9	310.3	302.8	7.52	41.254	
1,500.0	1,500.0	1,550.7	1,546.3	4.7	3.2	-96.90	-35.8	-295.6	300.4	292.8	7.61	39.460	
1,520.0	1,520.0	1,569.9	1,565.3	4.7	3.3	-10.42	-36.6	-293.0	297.7	290.0	7.66	38.869	
1,600.0	1,600.0	1,647.7	1,642.4	4.8	3.3	-11.39	-39.6	-282.5	285.9	278.0	7.85	36.432	
1,615.0	1,615.0	1,662.2	1,656.7	4.8	3.3	-11.58	-40.1	-280.6	283.4	275.5	7.89	35.908	
1,700.0	1,699.8	1,745.3	1,739.1	5.0	3.3	-12.80	-43.0	-269.9	268.5	260.3	8.16	32.892	
1,710.0	1,709.8	1,755.0	1,748.7	5.0	3.3	-12.96	-43.4	-268.7	266.6	258.4	8.20	32.528	
1,800.0	1,799.5	1,841.9	1,834.9	5.2	3.4	-14.64	-46.6	-257.7	248.4	239.9	8.49	29.250	
1,805.0	1,804.4	1,846.9	1,839.8	5.2	3.4	-14.75	-46.8	-257.1	247.3	238.8	8.51	29.066	
1,900.0	1,898.7	1,939.3	1,931.4	5.5	3.4	-17.05	-50.0	-245.6	225.3	216.5	8.83	25.527	
1,995.0	1,992.8	2,031.3	2,022.6	5.8	3.5	-19.82	-53.0	-233.7	201.8	192.8	9.08	22.236	
2,000.0	1,997.7	2,036.1	2,027.4	5.8	3.5	-19.98	-53.2	-233.1	200.6	191.5	9.09	22.069	
2,090.0	2,086.9	2,121.4	2,112.0	6.0	3.6	-23.14	-55.9	-222.5	179.3	169.9	9.34	19.199	
2,100.0	2,096.8	2,131.0	2,121.5	6.0	3.6	-23.53	-56.2	-221.3	177.0	167.6	9.36	18.898	
2,185.0	2,180.9	2,213.0	2,202.9	6.3	3.6	-27.32	-58.6	-211.6	157.9	148.3	9.59	16.463	
2,200.0	2,195.8	2,228.3	2,218.0	6.3	3.6	-28.15	-59.2	-209.7	154.6	145.0	9.63	16.059	
2,280.0	2,275.0	2,306.8	2,295.6	6.6	3.7	-34.11	-63.6	-198.3	136.8	127.0	9.80	13.958	
2,300.0	2,294.8	2,326.5	2,315.0	6.6	3.7	-35.97	-64.9	-195.2	132.4	122.6	9.83	13.469	
2,375.0	2,369.1	2,398.4	2,385.7	6.8	3.8	-44.03	-69.7	-183.4	117.3	107.3	9.94	11.797	
2,400.0	2,393.8	2,422.0	2,409.0	6.9	3.8	-47.13	-71.3	-179.4	112.8	102.8	9.97	11.319	
2,470.0	2,463.2	2,488.3	2,474.2	7.2	3.8	-56.89	-75.7	-168.6	102.5	92.5	10.00	10.250	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,492.9	2,516.8	2,502.4	7.3	3.8	-61.43	-77.4	-164.2	99.2	89.2	10.00	9.918	
2,565.0	2,557.2	2,578.9	2,563.7	7.5	3.9	-71.67	-81.0	-155.4	94.6	84.6	10.01	9.451	
2,600.0	2,591.9	2,612.0	2,596.4	7.6	3.9	-77.15	-82.8	-151.1	93.6	83.6	10.03	9.331	
2,608.8	2,600.6	2,620.1	2,604.5	7.6	3.9	-78.47	-83.2	-150.1	93.6	83.6	10.04	9.319	CC, ES, SF
2,660.0	2,651.3	2,669.0	2,652.9	7.8	4.0	-86.11	-86.3	-144.6	94.8	84.7	10.12	9.366	
2,700.0	2,690.9	2,707.6	2,691.2	7.9	4.0	-91.88	-88.8	-140.5	97.0	86.8	10.22	9.492	
2,755.0	2,745.4	2,760.9	2,744.2	8.1	4.0	-99.29	-92.2	-134.8	101.6	91.2	10.42	9.757	
2,800.0	2,789.9	2,804.5	2,787.5	8.3	4.1	-104.85	-95.0	-130.1	106.6	96.0	10.62	10.039	
2,850.0	2,839.5	2,853.3	2,835.8	8.5	4.1	-110.46	-98.0	-124.9	113.2	102.3	10.88	10.401	
2,900.0	2,889.0	2,902.3	2,884.5	8.6	4.2	-115.46	-100.8	-119.8	120.5	109.3	11.16	10.792	
2,945.0	2,933.5	2,946.6	2,928.5	8.8	4.2	-119.47	-103.2	-115.3	127.5	116.1	11.43	11.156	
3,000.0	2,988.0	2,999.9	2,981.5	9.0	4.2	-123.72	-105.8	-109.9	136.7	124.9	11.75	11.630	
3,040.0	3,027.6	3,039.2	3,020.6	9.2	4.3	-126.48	-107.8	-106.1	143.7	131.7	11.99	11.984	
3,100.0	3,087.0	3,098.4	3,079.4	9.4	4.3	-130.15	-110.5	-100.5	154.4	142.1	12.35	12.504	
3,135.0	3,121.7	3,132.5	3,113.4	9.5	4.4	-132.04	-112.0	-97.4	160.9	148.3	12.56	12.812	
3,200.0	3,186.0	3,193.2	3,173.6	9.8	4.4	-135.05	-114.8	-91.7	173.4	160.5	12.90	13.436	
3,230.0	3,215.8	3,220.7	3,201.0	9.9	4.5	-136.30	-116.3	-88.7	179.8	166.7	13.06	13.768	
3,300.0	3,285.1	3,288.1	3,267.8	10.1	4.5	-139.06	-120.3	-81.2	195.4	182.0	13.45	14.531	
3,325.0	3,309.8	3,312.4	3,292.0	10.2	4.5	-139.96	-121.7	-78.5	201.1	187.5	13.59	14.799	
3,400.0	3,384.1	3,385.9	3,364.9	10.5	4.6	-142.44	-125.7	-70.3	218.2	204.2	14.01	15.575	
3,420.0	3,403.9	3,406.4	3,385.2	10.6	4.6	-143.06	-126.7	-68.1	222.7	208.6	14.13	15.763	
3,500.0	3,483.1	3,486.7	3,465.1	10.9	4.7	-145.27	-130.4	-60.1	240.2	225.6	14.58	16.469	
3,515.0	3,498.0	3,501.4	3,479.7	11.0	4.7	-145.64	-131.0	-58.7	243.4	228.8	14.67	16.598	
3,600.0	3,582.2	3,575.0	3,552.8	11.3	4.8	-147.28	-134.8	-51.2	262.8	247.8	15.04	17.481	
3,610.0	3,592.1	3,582.6	3,560.3	11.4	4.8	-147.43	-135.3	-50.2	265.4	250.3	15.07	17.615	
3,700.0	3,681.2	3,667.3	3,644.1	11.7	4.9	-148.91	-142.0	-39.4	289.4	273.9	15.51	18.660	
3,705.0	3,686.1	3,672.1	3,648.8	11.7	4.9	-148.98	-142.4	-38.7	290.8	275.2	15.54	18.716	
3,800.0	3,780.2	3,764.4	3,740.1	12.1	5.0	-150.35	-149.4	-26.9	316.2	300.1	16.03	19.726	
3,895.0	3,874.3	3,856.8	3,831.4	12.5	5.1	-151.59	-156.0	-15.2	341.4	324.9	16.52	20.665	
3,900.0	3,879.2	3,861.7	3,836.3	12.5	5.1	-151.65	-156.3	-14.6	342.7	326.2	16.55	20.713	
3,990.0	3,968.4	3,950.2	3,923.9	12.9	5.2	-152.72	-162.2	-3.4	366.4	349.4	17.02	21.525	
4,000.0	3,978.3	3,960.3	3,934.0	12.9	5.2	-152.84	-162.8	-2.2	369.0	351.9	17.08	21.607	
4,085.0	4,062.4	4,044.8	4,017.6	13.3	5.3	-153.81	-167.5	8.2	390.9	373.3	17.54	22.289	
4,100.0	4,077.3	4,059.8	4,032.6	13.3	5.3	-153.98	-168.3	10.0	394.7	377.0	17.62	22.401	
4,180.0	4,156.5	4,134.0	4,106.1	13.6	5.4	-154.74	-172.3	18.9	415.1	397.1	18.01	23.051	
4,200.0	4,176.3	4,151.2	4,123.1	13.7	5.4	-154.88	-173.5	21.0	420.3	402.3	18.09	23.235	
4,275.0	4,250.6	4,223.9	4,195.1	14.0	5.5	-155.36	-179.1	29.8	440.4	421.9	18.47	23.842	
4,300.0	4,275.3	4,248.9	4,219.9	14.1	5.5	-155.51	-180.9	32.8	447.0	428.4	18.60	24.028	
4,370.0	4,344.7	4,319.3	4,289.6	14.4	5.6	-155.94	-185.9	40.9	465.2	446.2	18.98	24.511	
4,400.0	4,374.4	4,349.4	4,319.4	14.5	5.6	-156.13	-187.9	44.3	472.9	453.7	19.14	24.709	
4,465.0	4,438.7	4,414.0	4,383.5	14.8	5.7	-156.50	-192.1	51.4	489.3	469.8	19.48	25.119	
4,500.0	4,473.4	4,448.6	4,417.9	15.0	5.7	-156.69	-194.3	55.1	498.1	478.5	19.66	25.332	
4,560.0	4,532.8	4,508.4	4,477.1	15.2	5.8	-157.02	-197.9	61.5	513.1	493.1	19.98	25.678	
4,600.0	4,572.4	4,550.5	4,519.0	15.4	5.8	-157.25	-200.4	66.0	522.9	502.7	20.21	25.874	
4,655.0	4,626.9	4,604.4	4,572.5	15.6	5.9	-157.52	-203.3	71.2	536.1	515.6	20.50	26.155	
4,700.0	4,671.5	4,649.7	4,617.6	15.8	5.9	-157.76	-205.7	75.7	546.8	526.1	20.74	26.368	
4,750.0	4,721.0	4,693.1	4,660.7	16.0	6.0	-157.96	-208.1	80.0	558.9	537.9	20.96	26.664	
4,790.0	4,760.6	4,725.9	4,693.2	16.1	6.0	-158.11	-210.1	83.6	569.0	547.8	21.12	26.938	
4,800.0	4,770.5	4,735.1	4,702.3	16.2	6.0	-158.16	-210.7	84.6	571.5	550.4	21.17	27.003	
4,845.0	4,815.1	4,777.9	4,744.8	16.4	6.1	-158.37	-213.5	89.6	582.9	561.6	21.39	27.256	
4,900.0	4,869.6	4,832.2	4,798.6	16.6	6.1	-158.61	-217.0	95.8	596.5	574.8	21.67	27.524	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,909.4	4,872.5	4,838.6	16.8	6.2	-158.77	-219.6	100.4	606.0	584.1	21.88	27.697	
5,000.0	4,969.0	4,933.5	4,899.0	17.0	6.2	-158.99	-223.2	107.2	619.5	597.3	22.19	27.918	
5,035.0	5,003.8	4,976.6	4,941.8	17.1	6.3	-159.13	-225.6	111.6	626.8	604.4	22.42	27.964	
5,100.0	5,068.6	5,045.6	5,010.5	17.4	6.4	-159.34	-228.9	118.0	639.0	616.3	22.76	28.075	
5,130.0	5,098.5	5,080.6	5,045.3	17.5	6.4	-159.43	-230.4	121.0	644.3	621.3	22.94	28.090	
5,200.0	5,168.3	5,153.1	5,117.5	17.7	6.5	-159.61	-233.3	126.8	655.3	632.0	23.28	28.146	
5,225.0	5,193.2	5,179.4	5,143.7	17.8	6.5	-159.67	-234.4	128.8	659.0	635.6	23.40	28.157	
5,300.0	5,268.1	5,260.5	5,224.6	18.1	6.6	-159.80	-237.4	134.5	669.0	645.2	23.78	28.133	
5,320.0	5,288.1	5,280.0	5,244.0	18.2	6.6	-159.82	-238.1	135.8	671.4	647.5	23.86	28.137	
5,400.0	5,368.0	5,362.5	5,326.2	18.4	6.7	-159.92	-240.9	141.4	680.4	656.2	24.22	28.096	
5,415.0	5,383.0	5,383.8	5,347.5	18.5	6.8	-159.94	-241.5	142.6	681.8	657.5	24.31	28.049	
5,500.0	5,468.0	5,500.7	5,464.4	18.7	6.9	-160.08	-242.3	145.8	685.7	660.9	24.80	27.650	
5,510.0	5,478.0	5,510.8	5,474.4	18.7	6.9	-160.08	-242.4	145.9	685.9	661.1	24.82	27.632	
5,590.0	5,558.0	5,589.7	5,553.4	18.8	7.0	113.17	-242.7	147.1	687.7	662.7	25.03	27.481	
5,600.0	5,568.0	5,599.8	5,563.5	18.8	7.0	113.17	-242.7	147.3	687.9	662.9	25.04	27.474	
5,605.0	5,573.0	5,604.7	5,568.3	18.8	7.0	113.17	-242.7	147.4	688.0	662.9	25.05	27.469	
5,700.0	5,668.0	5,698.7	5,662.3	18.9	7.1	113.16	-243.4	148.9	689.7	664.5	25.19	27.378	
5,795.0	5,763.0	5,791.1	5,754.7	18.9	7.2	113.16	-244.0	150.6	691.5	666.2	25.33	27.301	
5,800.0	5,768.0	5,796.3	5,760.0	18.9	7.2	113.16	-244.0	150.7	691.6	666.3	25.34	27.296	
5,890.0	5,858.0	5,909.6	5,873.2	18.9	7.3	113.18	-244.8	151.7	692.8	667.2	25.54	27.122	
5,900.0	5,868.0	5,921.7	5,885.3	19.0	7.3	113.19	-244.8	151.5	692.6	667.1	25.55	27.110	
5,985.0	5,953.0	6,006.0	5,969.6	19.0	7.3	113.26	-245.1	150.0	691.3	665.8	25.56	27.050	
6,000.0	5,968.0	6,020.3	5,983.9	19.0	7.3	113.28	-245.2	149.8	691.1	665.6	25.56	27.040	
6,080.0	6,048.0	6,096.7	6,060.2	19.0	7.3	113.40	-246.2	148.2	690.0	664.5	25.57	26.985	
6,100.0	6,068.0	6,116.2	6,079.8	19.0	7.3	113.44	-246.6	147.9	689.9	664.3	25.58	26.971	
6,175.0	6,143.0	6,190.1	6,153.7	19.1	7.3	113.60	-248.1	146.6	689.4	663.7	25.61	26.916	
6,200.0	6,168.0	6,215.1	6,178.6	19.1	7.3	113.65	-248.6	146.3	689.2	663.6	25.62	26.896	
6,270.0	6,238.0	6,288.2	6,251.7	19.1	7.4	113.77	-249.7	145.2	688.7	663.0	25.66	26.834	
6,300.0	6,268.0	6,318.3	6,281.8	19.1	7.3	113.76	-249.5	144.9	688.4	662.7	25.67	26.814	
6,365.0	6,333.0	6,386.5	6,350.0	19.1	7.3	113.72	-248.7	144.3	687.6	661.9	25.70	26.756	
6,400.0	6,368.0	6,424.2	6,387.7	19.2	7.3	113.74	-248.6	143.7	687.0	661.2	25.71	26.720	
6,460.0	6,428.0	6,494.2	6,457.6	19.2	7.3	113.85	-249.1	141.5	685.4	659.7	25.75	26.622	
6,500.0	6,468.0	6,536.6	6,500.0	19.2	7.3	113.95	-249.6	139.6	684.0	658.2	25.76	26.554	
6,555.0	6,523.0	6,596.3	6,559.6	19.2	7.3	114.12	-250.5	136.6	681.8	656.0	25.78	26.449	
6,600.0	6,568.0	6,634.3	6,597.6	19.2	7.3	114.24	-251.1	134.5	679.9	654.1	25.76	26.389	
6,650.0	6,618.0	6,671.5	6,634.7	19.3	7.3	114.31	-251.6	133.4	678.7	653.0	25.74	26.367	
6,700.0	6,668.0	6,718.8	6,682.1	19.3	7.3	114.38	-252.0	132.6	678.1	652.4	25.75	26.332	
6,745.0	6,713.0	6,767.4	6,730.6	19.3	7.4	114.44	-252.5	131.7	677.6	651.8	25.78	26.282	
6,800.0	6,768.0	6,827.8	6,790.9	19.3	7.4	114.52	-252.8	130.1	676.4	650.6	25.81	26.206	
6,840.0	6,808.0	6,867.8	6,831.0	19.3	7.4	114.58	-253.0	129.0	675.4	649.6	25.82	26.159	
6,900.0	6,868.0	6,929.3	6,892.4	19.4	7.4	114.67	-253.3	127.1	673.9	648.0	25.84	26.079	
6,935.0	6,903.0	6,965.9	6,929.0	19.4	7.4	114.71	-253.4	126.0	672.9	647.1	25.85	26.029	
7,000.0	6,968.0	7,030.2	6,993.3	19.4	7.4	114.76	-253.0	124.1	671.0	645.2	25.87	25.943	
7,030.0	6,998.0	7,060.7	7,023.8	19.4	7.4	114.78	-252.9	123.2	670.2	644.3	25.87	25.901	
7,100.0	7,068.0	7,114.7	7,077.8	19.5	7.4	114.78	-252.4	122.1	668.7	642.9	25.85	25.866	
7,108.4	7,076.4	7,119.8	7,082.9	19.5	7.4	114.78	-252.4	122.1	668.7	642.9	25.85	25.870	
7,125.0	7,093.0	7,131.5	7,094.5	19.5	7.4	114.76	-252.2	122.2	668.8	642.9	25.85	25.874	
7,200.0	7,168.0	7,199.6	7,162.6	19.5	7.4	114.72	-252.2	123.3	669.9	644.0	25.93	25.834	
7,220.0	7,188.0	7,219.0	7,182.0	19.5	7.5	114.72	-252.4	123.6	670.2	644.3	25.96	25.820	
7,300.0	7,268.0	7,300.5	7,263.6	19.5	7.5	114.77	-253.5	124.6	671.6	645.5	26.08	25.746	
7,315.0	7,283.0	7,315.3	7,278.3	19.6	7.6	114.79	-253.8	124.8	671.8	645.7	26.10	25.737	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,368.0	7,400.6	7,363.6	19.6	7.6	114.93	-255.9	125.4	673.3	647.0	26.21	25.685	
7,410.0	7,378.0	7,410.4	7,373.4	19.6	7.7	114.95	-256.2	125.4	673.4	647.2	26.22	25.681	
7,500.0	7,468.0	7,498.6	7,461.5	19.6	7.8	115.09	-258.3	126.1	674.9	648.6	26.33	25.633	
7,505.0	7,473.0	7,503.0	7,465.9	19.6	7.8	115.09	-258.3	126.2	675.0	648.7	26.34	25.632	
7,600.0	7,568.0	7,593.6	7,556.5	19.7	7.9	115.15	-260.0	127.9	677.4	650.9	26.46	25.598	
7,695.0	7,663.0	7,695.8	7,658.7	19.7	8.0	115.42	-263.7	128.5	679.4	652.8	26.60	25.541	
7,700.0	7,668.0	7,701.9	7,664.7	19.7	8.0	115.43	-263.9	128.5	679.5	652.9	26.61	25.535	
7,790.0	7,758.0	7,830.6	7,793.4	19.8	8.0	115.67	-265.9	126.1	678.7	651.9	26.80	25.323	
7,800.0	7,768.0	7,842.0	7,804.7	19.8	8.0	115.63	-265.3	125.9	678.3	651.5	26.81	25.295	
7,885.0	7,853.0	7,919.1	7,881.6	19.8	8.0	115.27	-260.0	124.8	674.7	647.9	26.86	25.123	
7,900.0	7,868.0	7,931.7	7,894.2	19.8	8.0	115.22	-259.4	124.7	674.3	647.4	26.86	25.102	
7,980.0	7,948.0	8,015.8	7,978.3	19.8	8.0	114.94	-255.3	123.9	672.0	645.0	26.94	24.943	
8,000.0	7,968.0	8,037.6	8,000.0	19.9	8.0	114.79	-253.4	123.9	671.3	644.3	26.97	24.888	
8,075.0	8,043.0	8,115.6	8,077.4	19.9	8.0	114.05	-244.2	124.6	668.2	641.1	27.08	24.669	
8,100.0	8,068.0	8,139.4	8,101.1	19.9	8.0	113.81	-241.2	124.8	667.1	640.0	27.11	24.605	
8,170.0	8,138.0	8,209.2	8,170.4	19.9	8.0	113.23	-234.0	125.0	664.4	637.2	27.20	24.428	
8,200.0	8,168.0	8,240.5	8,201.6	20.0	8.0	113.01	-231.2	124.9	663.2	636.0	27.24	24.349	
8,265.0	8,233.0	8,310.8	8,271.6	20.0	8.0	112.57	-225.3	124.0	660.3	633.0	27.33	24.164	
8,300.0	8,268.0	8,345.8	8,306.5	20.0	8.0	112.38	-222.6	123.2	658.6	631.2	27.36	24.071	
8,360.0	8,328.0	8,400.0	8,360.6	20.0	8.0	112.14	-219.1	122.0	655.9	628.5	27.39	23.949	
8,400.0	8,368.0	8,437.8	8,398.3	20.0	8.0	112.00	-217.0	121.2	654.3	626.9	27.41	23.872	
8,455.0	8,423.0	8,486.5	8,447.0	20.1	8.0	111.83	-214.7	120.5	652.6	625.1	27.43	23.792	
8,500.0	8,468.0	8,526.4	8,486.8	20.1	8.0	111.72	-213.2	120.1	651.6	624.1	27.44	23.740	
8,550.0	8,518.0	8,575.0	8,535.4	20.1	8.0	111.61	-211.7	119.8	650.6	623.2	27.48	23.678	
8,600.0	8,568.0	8,624.8	8,585.2	20.1	8.0	111.54	-210.7	119.3	649.9	622.3	27.51	23.621	
8,645.0	8,613.0	8,665.6	8,626.0	20.2	8.0	111.50	-210.1	119.0	649.3	621.7	27.52	23.588	
8,700.0	8,668.0	8,717.3	8,677.8	20.2	8.0	111.46	-209.5	118.8	648.9	621.3	27.55	23.550	
8,740.0	8,708.0	8,756.5	8,716.9	20.2	8.0	111.43	-209.2	118.8	648.7	621.1	27.58	23.521	
8,768.2	8,736.2	8,782.3	8,742.7	20.2	8.0	111.42	-209.0	118.7	648.6	621.0	27.60	23.504	
8,800.0	8,768.0	8,807.6	8,768.0	20.2	8.0	111.39	-208.8	119.1	648.8	621.2	27.61	23.503	
8,835.0	8,803.0	8,852.4	8,812.8	20.2	8.0	111.36	-208.5	119.2	648.8	621.1	27.68	23.442	
8,900.0	8,868.0	8,927.2	8,887.6	20.3	8.1	111.33	-207.8	118.4	648.0	620.2	27.75	23.348	
8,930.0	8,898.0	8,961.7	8,922.1	20.3	8.1	111.31	-207.3	117.7	647.3	619.5	27.76	23.316	
9,000.0	8,968.0	9,025.0	8,985.4	20.3	8.1	111.20	-205.6	117.0	645.8	618.0	27.81	23.220	
9,025.0	8,993.0	9,044.1	9,004.4	20.3	8.1	111.09	-204.4	117.2	645.5	617.6	27.83	23.193	
9,040.2	9,008.1	9,054.4	9,014.6	20.3	8.1	110.99	-203.3	117.5	645.4	617.6	27.84	23.180	
9,100.0	9,068.0	9,093.2	9,052.8	20.4	8.1	110.38	-197.1	120.5	646.4	618.4	27.92	23.153	
9,120.0	9,088.0	9,105.1	9,064.3	20.4	8.1	110.11	-194.4	122.0	647.2	619.2	27.95	23.153	
9,200.0	9,168.0	9,171.3	9,125.4	20.4	8.1	107.91	-172.2	134.1	652.5	624.4	28.15	23.181	
9,215.0	9,183.0	9,186.5	9,138.8	20.4	8.1	107.28	-165.7	137.3	653.7	625.5	28.20	23.183	
9,300.0	9,268.0	9,261.4	9,201.9	20.5	8.2	103.80	-129.0	153.4	661.4	632.9	28.46	23.240	
9,310.0	9,278.0	9,270.0	9,208.9	20.5	8.2	103.37	-124.3	155.3	662.5	634.0	28.49	23.253	
9,400.0	9,368.0	9,340.8	9,263.7	20.5	8.3	99.56	-82.7	171.6	675.1	646.3	28.79	23.446	
9,405.0	9,373.0	9,344.7	9,266.7	20.5	8.3	99.33	-80.2	172.5	675.9	647.1	28.81	23.460	
9,500.0	9,468.0	9,412.0	9,315.1	20.6	8.4	95.44	-36.2	188.0	694.6	665.4	29.16	23.824	
9,595.0	9,563.0	9,466.1	9,351.4	20.6	8.5	92.17	1.9	200.4	719.8	690.2	29.57	24.344	
9,600.0	9,568.0	9,468.4	9,352.9	20.6	8.5	92.03	3.6	200.9	721.3	691.7	29.59	24.375	
9,690.0	9,658.0	9,506.0	9,376.2	20.7	8.6	89.68	31.7	209.8	752.3	722.3	30.07	25.019	
9,700.0	9,668.0	9,512.3	9,380.0	20.7	8.6	89.28	36.6	211.4	756.2	726.1	30.12	25.109	
9,785.0	9,753.0	9,554.0	9,404.2	20.7	8.6	86.68	68.9	221.6	792.0	761.4	30.55	25.920	
9,800.0	9,768.0	9,557.7	9,406.3	20.7	8.6	86.45	71.8	222.5	798.8	768.2	30.65	26.061	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,812.1	9,780.0	9,564.2	9,410.0	20.7	8.7	86.04	76.9	224.1	804.4	773.7	30.71	26.196	
9,850.0	9,818.0	9,585.3	9,422.0	20.7	8.7	82.86	93.6	229.3	822.5	791.7	30.74	26.754	
9,880.0	9,847.8	9,601.0	9,430.7	20.7	8.7	80.34	105.9	233.1	837.1	806.2	30.88	27.104	
9,900.0	9,867.6	9,611.6	9,436.6	20.7	8.8	78.68	114.4	235.7	847.0	816.0	30.98	27.337	
9,950.0	9,916.6	9,634.7	9,449.0	20.7	8.8	74.77	133.1	241.3	872.0	840.8	31.25	27.902	
9,975.0	9,940.8	9,648.0	9,455.9	20.7	8.8	72.80	144.0	244.6	884.6	853.3	31.38	28.188	
10,000.0	9,964.6	9,658.5	9,461.2	20.7	8.9	71.00	152.7	247.1	897.3	865.7	31.53	28.456	
10,050.0	10,011.2	9,683.0	9,473.1	20.8	8.9	67.43	173.3	252.9	922.4	890.6	31.82	28.990	
10,070.0	10,029.4	9,695.0	9,478.7	20.8	9.0	66.00	183.5	255.8	932.3	900.4	31.92	29.206	
10,100.0	10,056.0	9,707.1	9,484.1	20.8	9.0	64.14	193.9	258.7	947.0	914.9	32.11	29.494	
10,150.0	10,098.7	9,730.8	9,494.5	20.8	9.1	61.15	214.4	264.3	971.0	938.6	32.41	29.965	
10,165.0	10,111.1	9,743.0	9,499.6	20.8	9.1	60.21	225.1	267.3	978.1	945.6	32.47	30.122	
10,200.0	10,139.0	9,759.9	9,506.5	20.8	9.1	58.38	240.0	271.4	994.1	961.4	32.68	30.422	
10,250.0	10,176.6	9,790.0	9,518.5	20.8	9.2	55.96	266.6	278.7	1,015.7	982.8	32.94	30.833	
10,260.0	10,183.7	9,790.0	9,518.5	20.8	9.2	55.58	266.6	278.7	1,019.9	986.9	33.02	30.891	
10,300.0	10,211.1	9,819.3	9,529.6	20.8	9.3	53.91	292.8	285.8	1,035.8	1,002.6	33.21	31.192	
10,350.0	10,242.4	9,837.0	9,535.9	20.9	9.4	52.20	308.8	290.1	1,054.5	1,021.0	33.50	31.483	
10,355.0	10,245.3	9,837.0	9,535.9	20.9	9.4	52.04	308.8	290.1	1,056.4	1,022.8	33.53	31.506	
10,400.0	10,270.1	9,859.2	9,543.1	20.9	9.5	50.70	329.0	295.7	1,071.9	1,038.2	33.76	31.755	
10,450.0	10,294.1	9,884.0	9,550.0	20.9	9.6	49.42	352.0	302.1	1,088.1	1,054.1	33.99	32.010	
10,500.0	10,314.2	9,897.0	9,553.1	21.0	9.6	48.32	364.1	305.5	1,102.8	1,068.5	34.23	32.220	
10,545.0	10,328.8	9,919.0	9,558.0	21.0	9.7	47.54	384.7	311.3	1,114.6	1,080.2	34.40	32.396	
10,550.0	10,330.2	9,932.0	9,560.6	21.0	9.7	47.53	397.0	314.7	1,115.9	1,081.5	34.42	32.420	
10,600.0	10,342.1	9,946.8	9,563.3	21.1	9.8	46.82	411.1	318.6	1,127.0	1,092.4	34.60	32.571	
10,640.0	10,348.5	9,967.8	9,566.8	21.1	9.9	46.47	431.0	324.1	1,134.6	1,099.8	34.73	32.670	
10,650.0	10,349.6	9,979.0	9,568.4	21.1	10.0	46.46	441.7	327.1	1,136.3	1,101.5	34.76	32.687	
10,700.0	10,352.9	10,002.6	9,571.5	21.2	10.1	46.22	464.2	333.3	1,143.6	1,108.7	34.90	32.765	
10,709.7	10,353.0	10,008.4	9,572.2	21.2	10.1	46.21	469.8	334.8	1,144.7	1,109.8	34.92	32.780	
10,735.0	10,353.1	10,027.0	9,574.3	21.3	10.2	46.46	487.6	339.8	1,147.8	1,112.8	34.99	32.807	
10,800.0	10,353.4	10,027.0	9,574.3	21.4	10.2	46.46	487.6	339.8	1,157.6	1,122.5	35.05	33.029	
10,830.0	10,353.5	10,064.0	9,577.4	21.5	10.4	46.91	523.0	349.8	1,161.9	1,126.8	35.18	33.032	
10,900.0	10,353.8	10,092.8	9,578.4	21.6	10.5	47.23	550.7	357.9	1,175.2	1,139.9	35.31	33.280	
10,925.0	10,353.9	10,123.0	9,578.3	21.7	10.7	47.51	579.6	366.7	1,180.9	1,145.5	35.44	33.321	
11,000.0	10,354.2	10,177.7	9,576.8	21.8	10.9	47.96	632.1	381.8	1,197.8	1,162.1	35.72	33.534	
11,020.0	10,354.3	10,219.6	9,575.7	21.9	11.2	48.25	672.7	392.3	1,202.0	1,166.0	35.92	33.460	
11,100.0	10,354.6	10,306.8	9,572.4	22.1	11.7	48.75	757.6	411.7	1,217.8	1,181.3	36.43	33.430	
11,115.0	10,354.7	10,325.0	9,571.4	22.1	11.8	48.83	775.4	415.4	1,220.7	1,184.1	36.54	33.406	
11,200.0	10,355.0	10,548.6	9,567.9	22.4	13.2	49.76	996.0	450.3	1,231.7	1,194.0	37.75	32.626	
11,210.0	10,355.1	10,555.4	9,568.1	22.4	13.2	49.79	1,002.7	451.1	1,232.5	1,194.7	37.82	32.593	
11,300.0	10,355.4	10,730.5	9,576.4	22.7	14.4	50.61	1,176.6	469.4	1,237.9	1,199.1	38.81	31.898	
11,305.0	10,355.4	10,735.2	9,576.8	22.7	14.4	50.64	1,181.2	469.8	1,238.0	1,199.2	38.85	31.867	
11,400.0	10,355.8	10,861.8	9,585.8	23.0	15.2	51.14	1,307.3	476.4	1,238.0	1,198.2	39.75	31.141	
11,495.0	10,356.2	10,977.0	9,592.4	23.3	16.0	51.35	1,422.3	475.7	1,234.1	1,193.4	40.69	30.331	
11,500.0	10,356.2	10,994.6	9,593.2	23.3	16.1	51.37	1,439.9	475.3	1,233.8	1,193.0	40.77	30.260	
11,590.0	10,356.6	11,054.8	9,594.8	23.6	16.6	51.39	1,500.0	474.4	1,231.5	1,190.0	41.55	29.637	
11,600.0	10,356.7	11,071.0	9,595.1	23.7	16.7	51.40	1,516.2	474.3	1,231.5	1,189.8	41.67	29.551	
11,685.0	10,357.0	11,140.0	9,595.6	24.0	17.2	51.40	1,585.2	473.8	1,230.9	1,188.4	42.48	28.978	
11,700.0	10,357.1	11,154.6	9,595.7	24.1	17.3	51.39	1,599.8	473.7	1,230.8	1,188.2	42.63	28.874	
11,780.0	10,357.4	11,287.5	9,598.3	24.4	18.2	51.37	1,732.6	469.9	1,228.1	1,184.4	43.65	28.137	
11,800.0	10,357.5	11,303.4	9,598.7	24.5	18.3	51.36	1,748.4	469.2	1,227.1	1,183.3	43.85	27.988	
11,875.0	10,357.8	11,357.0	9,599.4	24.8	18.7	51.31	1,802.0	466.8	1,224.3	1,179.7	44.59	27.458	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,900.0	10,357.9	11,383.3	9,599.5	24.9	18.9	51.28	1,828.3	465.7	1,223.5	1,178.7	44.87	27.270	
11,970.0	10,358.2	11,440.0	9,599.0	25.2	19.3	51.19	1,885.0	463.3	1,221.9	1,176.3	45.60	26.797	
12,000.0	10,358.3	11,463.9	9,598.6	25.3	19.5	51.14	1,908.8	462.4	1,221.5	1,175.6	45.91	26.605	
12,065.0	10,358.6	11,514.7	9,598.2	25.6	19.9	51.09	1,959.6	461.4	1,221.0	1,174.5	46.59	26.208	
12,069.2	10,358.6	11,518.0	9,598.2	25.6	19.9	51.09	1,963.0	461.4	1,221.0	1,174.4	46.63	26.183	
12,100.0	10,358.7	11,545.0	9,598.3	25.8	20.1	51.10	1,989.9	461.5	1,221.1	1,174.2	46.97	26.001	
12,160.0	10,359.0	11,604.8	9,599.0	26.0	20.6	51.13	2,049.7	462.0	1,221.4	1,173.8	47.66	25.630	
12,200.0	10,359.1	11,646.6	9,599.6	26.2	20.9	51.17	2,091.5	462.5	1,221.5	1,173.4	48.13	25.382	
12,255.0	10,359.3	11,699.2	9,600.3	26.5	21.3	51.20	2,144.1	462.9	1,221.7	1,172.9	48.76	25.054	
12,300.0	10,359.5	11,734.0	9,600.6	26.7	21.6	51.22	2,178.9	463.2	1,221.9	1,172.7	49.24	24.814	
12,350.0	10,359.7	11,780.6	9,600.8	26.9	21.9	51.23	2,225.5	463.7	1,222.4	1,172.6	49.83	24.534	
12,400.0	10,359.9	11,829.0	9,600.7	27.2	22.3	51.25	2,273.9	464.6	1,223.4	1,173.0	50.42	24.265	
12,445.0	10,360.1	11,860.0	9,600.5	27.4	22.6	51.26	2,304.9	465.3	1,224.5	1,173.6	50.89	24.061	
12,500.0	10,360.4	11,909.8	9,599.9	27.7	22.9	51.27	2,354.7	466.5	1,226.2	1,174.6	51.53	23.793	
12,540.0	10,360.5	11,946.0	9,599.4	27.9	23.2	51.27	2,390.9	467.4	1,227.5	1,175.5	52.01	23.602	
12,600.0	10,360.8	12,000.3	9,599.5	28.2	23.7	51.34	2,445.1	469.8	1,229.7	1,177.0	52.72	23.328	
12,635.0	10,360.9	12,031.9	9,599.9	28.4	23.9	51.41	2,476.7	471.7	1,231.2	1,178.0	53.13	23.172	
12,700.0	10,361.2	12,149.2	9,601.5	28.7	24.8	51.58	2,593.8	475.9	1,232.9	1,178.7	54.23	22.735	
12,730.0	10,361.3	12,182.7	9,601.4	28.9	25.1	51.57	2,627.3	475.7	1,232.9	1,178.3	54.63	22.567	
12,800.0	10,361.6	12,266.0	9,601.2	29.3	25.8	51.51	2,710.6	474.2	1,232.3	1,176.7	55.60	22.165	
12,825.0	10,361.7	12,294.4	9,601.3	29.4	26.0	51.49	2,738.9	473.5	1,231.9	1,176.0	55.94	22.024	
12,900.0	10,362.0	12,390.6	9,601.9	29.8	26.8	51.42	2,835.1	470.6	1,230.2	1,173.2	57.00	21.582	
12,920.0	10,362.1	12,418.7	9,602.1	29.9	27.0	51.38	2,863.2	469.3	1,229.5	1,172.2	57.30	21.458	
13,000.0	10,362.4	12,520.8	9,603.0	30.4	27.8	51.22	2,965.1	463.0	1,225.5	1,167.1	58.43	20.975	
13,015.0	10,362.5	12,523.0	9,603.0	30.5	27.8	51.22	2,967.3	462.9	1,224.7	1,166.1	58.59	20.904	
13,100.0	10,362.8	12,596.2	9,603.3	30.9	28.4	51.08	3,040.3	458.2	1,220.6	1,161.0	59.68	20.454	
13,110.0	10,362.9	12,603.6	9,603.2	31.0	28.5	51.07	3,047.8	457.7	1,220.3	1,160.5	59.80	20.405	
13,200.0	10,363.2	12,670.9	9,602.5	31.5	29.0	50.94	3,115.0	454.5	1,217.9	1,156.9	60.92	19.992	
13,205.0	10,363.3	12,674.7	9,602.4	31.5	29.0	50.93	3,118.7	454.3	1,217.8	1,156.8	60.98	19.970	
13,300.0	10,363.6	12,820.4	9,603.0	32.1	30.2	50.78	3,264.4	449.0	1,215.8	1,153.3	62.46	19.464	
13,395.0	10,364.0	12,856.6	9,603.4	32.6	30.5	50.77	3,300.5	448.1	1,213.0	1,149.5	63.53	19.095	
13,400.0	10,364.1	12,859.1	9,603.4	32.7	30.5	50.76	3,303.0	448.1	1,212.9	1,149.4	63.58	19.077	
13,418.4	10,364.1	12,868.2	9,603.5	32.8	30.6	50.76	3,312.1	448.0	1,212.9	1,149.1	63.78	19.015	
13,490.0	10,364.4	12,902.0	9,603.5	33.2	30.9	50.77	3,345.9	448.5	1,213.9	1,149.4	64.54	18.810	
13,500.0	10,364.5	12,912.8	9,603.4	33.3	31.0	50.78	3,356.7	448.8	1,214.2	1,149.6	64.68	18.773	
13,585.0	10,364.8	12,982.7	9,602.9	33.8	31.6	50.83	3,426.5	451.3	1,217.4	1,151.6	65.74	18.517	
13,600.0	10,364.9	12,997.0	9,602.8	33.9	31.7	50.84	3,440.8	451.9	1,218.0	1,152.1	65.95	18.470	
13,680.0	10,365.2	13,099.5	9,601.9	34.4	32.5	50.90	3,543.3	455.3	1,220.9	1,153.6	67.21	18.165	
13,700.0	10,365.3	13,116.6	9,601.7	34.5	32.7	50.91	3,560.4	455.7	1,221.4	1,153.9	67.47	18.103	
13,775.0	10,365.6	13,189.0	9,601.1	34.9	33.3	50.93	3,632.7	457.5	1,223.6	1,155.1	68.50	17.863	
13,800.0	10,365.7	13,246.4	9,600.8	35.1	33.7	50.93	3,690.1	458.2	1,224.0	1,154.9	69.05	17.726	
13,865.6	10,366.0	13,315.6	9,600.8	35.5	34.3	50.90	3,759.3	457.3	1,223.5	1,153.5	69.99	17.481	
13,870.0	10,366.0	13,318.5	9,600.8	35.5	34.3	50.90	3,762.2	457.2	1,223.5	1,153.5	70.05	17.468	
13,900.0	10,366.1	13,338.1	9,600.5	35.7	34.5	50.88	3,781.9	457.0	1,223.7	1,153.3	70.41	17.379	
13,965.0	10,366.4	13,394.5	9,598.7	36.1	35.0	50.80	3,838.2	456.6	1,224.9	1,153.6	71.28	17.185	
14,000.0	10,366.5	13,452.6	9,597.7	36.3	35.4	50.70	3,896.2	454.9	1,224.2	1,152.3	71.91	17.024	
14,060.0	10,366.8	13,512.7	9,597.1	36.7	35.9	50.63	3,956.3	453.2	1,223.5	1,150.7	72.77	16.814	
14,065.5	10,366.8	13,515.6	9,597.1	36.7	36.0	50.63	3,959.3	453.1	1,223.5	1,150.7	72.83	16.799	
14,100.0	10,366.9	13,533.9	9,597.0	37.0	36.1	50.62	3,977.5	453.1	1,223.7	1,150.5	73.23	16.711	
14,155.0	10,367.2	13,568.0	9,596.9	37.3	36.4	50.64	4,011.6	453.9	1,225.1	1,151.2	73.88	16.583	
14,200.0	10,367.3	13,641.5	9,597.5	37.6	37.0	50.67	4,085.1	454.7	1,225.0	1,150.3	74.70	16.399	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,214.1	10,367.4	13,696.9	9,598.5	37.7	37.5	50.69	4,140.5	454.3	1,224.7	1,149.6	75.11	16.305	
14,250.0	10,367.5	13,736.5	9,599.4	37.9	37.8	50.70	4,180.1	453.4	1,223.7	1,148.0	75.65	16.177	
14,300.0	10,367.7	13,785.4	9,600.7	38.2	38.2	50.70	4,228.9	452.3	1,222.2	1,145.8	76.36	16.005	
14,345.0	10,367.9	13,826.1	9,601.7	38.5	38.5	50.71	4,269.6	451.4	1,221.0	1,144.0	76.99	15.858	
14,400.0	10,368.2	13,869.5	9,602.7	38.9	38.9	50.73	4,312.9	450.8	1,219.8	1,142.0	77.73	15.692	
14,440.0	10,368.3	13,896.0	9,603.3	39.1	39.1	50.75	4,339.5	450.8	1,219.4	1,141.1	78.25	15.584	
14,457.3	10,368.4	13,907.5	9,603.6	39.3	39.2	50.76	4,351.0	450.9	1,219.3	1,140.8	78.46	15.540	
14,500.0	10,368.6	13,947.0	9,604.5	39.5	39.5	50.82	4,390.5	451.9	1,219.6	1,140.6	79.06	15.426	
14,535.0	10,368.7	13,964.4	9,604.9	39.8	39.7	50.85	4,407.8	452.5	1,220.1	1,140.6	79.46	15.354	
14,600.0	10,369.0	14,026.3	9,606.0	40.2	40.2	50.94	4,469.7	454.5	1,221.3	1,140.9	80.39	15.193	
14,630.0	10,369.1	14,053.1	9,606.4	40.4	40.4	50.98	4,496.5	455.4	1,221.9	1,141.1	80.80	15.122	
14,700.0	10,369.4	14,109.9	9,606.6	40.8	40.9	51.04	4,553.3	457.3	1,223.9	1,142.1	81.73	14.975	
14,725.0	10,369.5	14,138.0	9,606.5	41.0	41.1	51.06	4,581.3	458.4	1,224.8	1,142.6	82.12	14.915	
14,800.0	10,369.8	14,208.0	9,606.0	41.5	41.7	51.11	4,651.2	460.9	1,227.5	1,144.3	83.18	14.758	
14,820.0	10,369.9	14,229.4	9,605.9	41.6	41.9	51.13	4,672.6	461.6	1,228.2	1,144.7	83.48	14.712	
14,900.0	10,370.2	14,280.4	9,605.1	42.2	42.3	51.15	4,723.6	463.6	1,231.7	1,147.3	84.41	14.592	
14,915.0	10,370.3	14,289.6	9,604.8	42.3	42.4	51.16	4,732.8	464.1	1,232.6	1,148.0	84.58	14.573	
15,000.0	10,370.6	14,349.1	9,602.2	42.8	42.9	51.15	4,792.2	467.4	1,238.9	1,153.3	85.58	14.477	
15,010.0	10,370.7	14,358.5	9,601.7	42.9	43.0	51.15	4,801.5	467.9	1,239.7	1,154.0	85.72	14.463	
15,100.0	10,371.0	14,447.5	9,596.9	43.5	43.7	51.12	4,890.2	473.2	1,247.3	1,160.3	87.04	14.331	
15,105.0	10,371.1	14,453.4	9,596.7	43.5	43.8	51.12	4,896.2	473.6	1,247.7	1,160.6	87.12	14.322	
15,200.0	10,371.4	14,701.2	9,596.5	44.2	45.9	51.28	5,143.6	480.1	1,250.7	1,161.1	89.59	13.960	
15,295.0	10,371.8	14,783.1	9,598.5	44.8	46.6	51.27	5,225.4	477.5	1,247.3	1,156.3	90.96	13.713	
15,300.0	10,371.9	14,787.2	9,598.5	44.8	46.6	51.27	5,229.5	477.4	1,247.1	1,156.1	91.03	13.700	
15,390.0	10,372.2	14,852.5	9,598.4	45.5	47.1	51.20	5,294.8	475.3	1,245.4	1,153.1	92.26	13.498	
15,400.0	10,372.3	14,859.5	9,598.3	45.5	47.2	51.19	5,301.8	475.1	1,245.3	1,152.9	92.40	13.478	
15,485.0	10,372.6	14,964.9	9,594.9	46.1	48.1	50.91	5,407.0	469.8	1,244.0	1,150.3	93.77	13.268	
15,500.0	10,372.7	15,017.9	9,593.3	46.2	48.5	50.72	5,459.7	465.7	1,243.5	1,149.4	94.11	13.213	
15,580.0	10,373.0	15,086.0	9,591.0	46.8	49.1	50.43	5,527.5	458.6	1,239.2	1,143.9	95.28	13.006	
15,600.0	10,373.1	15,107.6	9,590.2	46.9	49.3	50.33	5,548.9	456.5	1,238.2	1,142.6	95.59	12.954	
15,675.0	10,373.4	15,153.4	9,588.6	47.4	49.7	50.17	5,594.6	452.9	1,235.7	1,139.1	96.61	12.791	
15,700.0	10,373.5	15,181.0	9,587.7	47.6	49.9	50.09	5,622.1	451.5	1,235.4	1,138.4	97.00	12.737	
15,770.0	10,373.8	15,250.2	9,586.1	48.1	50.5	49.94	5,691.2	448.5	1,234.4	1,136.3	98.05	12.590	
15,800.0	10,373.9	15,291.6	9,585.9	48.3	50.8	49.87	5,732.6	446.7	1,233.6	1,135.0	98.54	12.518	
15,865.0	10,374.2	15,343.2	9,586.6	48.7	51.3	49.86	5,784.2	445.5	1,232.1	1,132.6	99.47	12.386	
15,900.0	10,374.3	15,374.5	9,587.5	49.0	51.5	49.88	5,815.5	445.3	1,231.4	1,131.4	99.98	12.316	
15,960.0	10,374.6	15,432.3	9,589.4	49.4	52.0	49.94	5,873.3	445.3	1,230.4	1,129.5	100.88	12.197	
16,000.0	10,374.7	15,470.6	9,590.6	49.7	52.3	49.98	5,911.5	445.3	1,229.8	1,128.3	101.47	12.119	
16,055.0	10,375.0	15,520.3	9,591.7	50.0	52.8	50.02	5,961.2	445.2	1,229.1	1,126.8	102.28	12.017	
16,100.0	10,375.1	15,561.0	9,592.4	50.3	53.1	50.03	6,001.9	445.1	1,228.8	1,125.8	102.94	11.937	
16,150.0	10,375.3	15,617.3	9,593.4	50.7	53.6	50.06	6,058.2	444.9	1,228.3	1,124.6	103.73	11.841	
16,200.0	10,375.6	15,672.1	9,594.8	51.0	54.0	50.10	6,112.9	444.8	1,227.6	1,123.1	104.51	11.746	
16,245.0	10,375.7	15,718.1	9,596.1	51.4	54.4	50.14	6,159.0	444.7	1,226.9	1,121.7	105.20	11.662	
16,300.0	10,376.0	15,771.7	9,597.7	51.7	54.9	50.19	6,212.5	444.6	1,225.9	1,119.9	106.03	11.562	
16,340.0	10,376.1	15,807.9	9,598.7	52.0	55.2	50.22	6,248.7	444.6	1,225.4	1,118.8	106.62	11.493	
16,400.0	10,376.4	15,864.3	9,599.9	52.4	55.7	50.26	6,305.1	444.5	1,224.8	1,117.3	107.52	11.392	
16,435.0	10,376.5	15,900.1	9,600.5	52.7	56.0	50.27	6,340.9	444.4	1,224.4	1,116.4	108.05	11.332	
16,500.0	10,376.8	15,964.2	9,601.3	53.1	56.5	50.28	6,405.0	443.9	1,223.8	1,114.7	109.04	11.223	
16,530.0	10,376.9	15,992.0	9,601.5	53.4	56.8	50.27	6,432.8	443.6	1,223.5	1,114.1	109.48	11.175	
16,600.0	10,377.2	16,070.1	9,601.4	53.8	57.4	50.23	6,510.8	442.4	1,223.0	1,112.5	110.59	11.059	
16,625.0	10,377.3	16,107.9	9,601.8	54.0	57.7	50.21	6,548.7	441.5	1,222.6	1,111.5	111.03	11.011	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,700.0	10,377.6	16,202.6	9,604.1	54.6	58.5	50.20	6,643.3	438.7	1,220.0	1,107.8	112.24	10.869	
16,720.0	10,377.7	16,226.6	9,604.8	54.7	58.7	50.20	6,667.2	437.9	1,219.2	1,106.6	112.56	10.831	
16,800.0	10,378.0	16,310.4	9,607.6	55.3	59.4	50.20	6,751.0	434.8	1,215.5	1,101.7	113.79	10.682	
16,815.0	10,378.1	16,321.0	9,608.0	55.4	59.5	50.20	6,761.6	434.4	1,214.8	1,100.8	114.01	10.655	
16,900.0	10,378.4	16,388.6	9,609.5	56.0	60.1	50.18	6,829.1	431.9	1,211.6	1,096.3	115.26	10.512	
16,910.0	10,378.5	16,396.2	9,609.6	56.0	60.2	50.17	6,836.7	431.7	1,211.3	1,095.9	115.40	10.496	
17,000.0	10,378.8	16,466.2	9,609.3	56.7	60.8	50.09	6,906.7	429.4	1,209.6	1,092.9	116.70	10.365	
17,005.0	10,378.9	16,470.2	9,609.2	56.7	60.8	50.08	6,910.6	429.3	1,209.6	1,092.8	116.77	10.359	
17,100.0	10,379.3	16,554.1	9,606.7	57.4	61.5	49.89	6,994.4	426.3	1,209.3	1,091.1	118.16	10.234	
17,130.9	10,379.4	16,584.0	9,605.7	57.6	61.8	49.82	7,024.3	425.3	1,209.2	1,090.6	118.63	10.194	
17,195.0	10,379.6	16,584.0	9,605.7	58.1	61.8	49.82	7,024.3	425.3	1,210.9	1,091.9	119.07	10.170	
17,200.0	10,379.7	16,584.0	9,605.7	58.1	61.8	49.82	7,024.3	425.3	1,211.2	1,092.1	119.10	10.170	
17,290.0	10,380.0	16,584.0	9,605.7	58.7	61.8	49.82	7,024.3	425.3	1,219.7	1,100.5	119.19	10.233	
17,300.0	10,380.1	16,584.0	9,605.7	58.8	61.8	49.82	7,024.3	425.3	1,221.0	1,101.9	119.16	10.247	
17,385.0	10,380.4	16,584.0	9,605.7	59.4	61.8	49.82	7,024.3	425.3	1,235.7	1,117.0	118.67	10.413	
17,400.0	10,380.5	16,584.0	9,605.7	59.5	61.8	49.82	7,024.3	425.3	1,238.9	1,120.3	118.53	10.452	
17,480.0	10,380.8	16,584.0	9,605.7	60.1	61.8	49.82	7,024.3	425.3	1,258.7	1,141.1	117.58	10.705	
17,500.0	10,380.9	16,584.0	9,605.7	60.2	61.8	49.82	7,024.3	425.3	1,264.4	1,147.1	117.28	10.781	
17,575.0	10,381.2	16,584.0	9,605.7	60.8	61.8	49.82	7,024.3	425.3	1,288.3	1,172.3	115.99	11.107	
17,600.0	10,381.3	16,584.0	9,605.7	61.0	61.8	49.82	7,024.3	425.3	1,297.1	1,181.6	115.51	11.230	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	7.8	7.8	3.0	3.0	-90.25	-1.7	-385.0	385.0				
95.0	95.0	106.1	106.1	3.0	3.0	-90.30	-2.0	-384.5	384.5	378.5	6.02	63.821	
100.0	100.0	111.2	111.1	3.0	3.0	-90.30	-2.0	-384.4	384.5	378.4	6.03	63.773	
190.0	190.0	201.8	201.8	3.1	3.0	-90.38	-2.5	-383.4	383.5	377.3	6.14	62.469	
200.0	200.0	211.9	211.9	3.2	3.0	-90.38	-2.6	-383.3	383.4	377.2	6.16	62.278	
285.0	285.0	296.6	296.5	3.3	3.0	-90.45	-3.0	-382.4	382.4	376.1	6.26	61.069	
300.0	300.0	311.4	311.3	3.3	3.0	-90.47	-3.1	-382.2	382.2	376.0	6.28	60.838	
380.0	380.0	388.1	388.1	3.4	3.0	-90.60	-4.0	-381.7	381.7	375.4	6.38	59.834	
389.0	389.0	396.5	396.5	3.4	3.0	-90.62	-4.1	-381.7	381.7	375.3	6.39	59.727	
400.0	400.0	407.2	407.2	3.4	3.0	-90.65	-4.3	-381.7	381.7	375.3	6.41	59.599	
475.0	475.0	481.6	481.6	3.5	3.0	-90.85	-5.7	-381.8	381.8	375.3	6.49	58.827	
500.0	500.0	504.9	504.8	3.5	3.0	-90.89	-5.9	-381.9	381.9	375.4	6.52	58.582	
570.0	570.0	571.2	571.2	3.6	3.0	-90.92	-6.1	-382.7	382.8	376.2	6.59	58.055	
600.0	600.0	600.0	599.9	3.6	3.0	-90.89	-6.0	-383.2	383.3	376.7	6.63	57.851	
665.0	665.0	662.5	662.5	3.7	3.0	-90.80	-5.4	-384.7	384.9	378.2	6.69	57.491	
700.0	700.0	697.5	697.5	3.8	3.0	-90.75	-5.0	-385.7	385.8	379.1	6.73	57.292	
760.0	760.0	761.3	761.2	3.8	3.1	-90.69	-4.6	-387.0	387.1	380.3	6.80	56.918	
800.0	800.0	803.1	802.9	3.9	3.1	-90.68	-4.6	-387.6	387.6	380.8	6.85	56.612	
855.0	855.0	858.4	858.3	4.0	3.1	-90.70	-4.8	-388.2	388.3	381.4	6.91	56.200	
900.0	900.0	904.4	904.3	4.0	3.1	-90.73	-5.0	-388.7	388.7	381.7	6.96	55.836	
950.0	950.0	955.5	955.4	4.1	3.1	-90.78	-5.3	-389.0	389.0	382.0	7.02	55.429	
1,000.0	1,000.0	1,005.9	1,005.8	4.1	3.1	-90.83	-5.6	-389.2	389.3	382.2	7.08	55.009	
1,045.0	1,045.0	1,053.4	1,053.3	4.2	3.1	-90.85	-5.7	-389.4	389.4	382.3	7.13	54.639	
1,100.0	1,100.0	1,113.5	1,113.4	4.3	3.1	-90.69	-4.7	-388.7	388.8	381.6	7.19	54.111	
1,140.0	1,140.0	1,154.1	1,153.9	4.3	3.1	-90.56	-3.8	-388.1	388.2	380.9	7.23	53.713	
1,200.0	1,200.0	1,214.9	1,214.7	4.4	3.1	-90.35	-2.4	-387.0	387.1	379.8	7.29	53.099	
1,235.0	1,235.0	1,250.1	1,250.0	4.4	3.1	-90.24	-1.6	-386.4	386.4	379.1	7.33	52.745	
1,300.0	1,300.0	1,316.8	1,316.6	4.5	3.1	-90.04	-0.3	-384.9	385.0	377.7	7.40	52.063	
1,330.0	1,330.0	1,348.0	1,347.8	4.5	3.1	-89.96	0.3	-384.2	384.3	376.9	7.43	51.742	
1,400.0	1,400.0	1,419.3	1,419.0	4.6	3.1	-89.80	1.3	-382.1	382.3	374.8	7.50	50.951	
1,425.0	1,425.0	1,444.1	1,443.9	4.6	3.2	-89.74	1.7	-381.4	381.5	374.0	7.53	50.668	
1,500.0	1,500.0	1,517.8	1,517.4	4.7	3.2	-89.31	4.6	-379.3	379.5	371.9	7.61	49.849	
1,520.0	1,520.0	1,537.7	1,537.3	4.7	3.2	-2.45	5.5	-378.8	378.9	371.2	7.66	49.491	
1,600.0	1,600.0	1,618.0	1,617.5	4.8	3.2	-1.87	9.4	-376.6	375.1	367.3	7.83	47.896	
1,615.0	1,615.0	1,632.8	1,632.2	4.8	3.2	-1.77	10.1	-376.2	374.2	366.3	7.88	47.498	
1,700.0	1,699.8	1,710.3	1,709.7	5.0	3.2	-1.17	14.0	-374.6	367.9	359.7	8.14	45.195	
1,710.0	1,709.8	1,719.3	1,718.6	5.0	3.2	-1.09	14.5	-374.5	367.1	358.9	8.17	44.927	
1,800.0	1,799.5	1,808.3	1,807.5	5.2	3.3	-0.20	20.3	-374.1	359.0	350.5	8.46	42.429	
1,805.0	1,804.4	1,813.4	1,812.6	5.2	3.3	-0.14	20.6	-374.1	358.4	350.0	8.48	42.282	
1,900.0	1,898.7	1,910.8	1,909.6	5.5	3.3	0.96	27.2	-373.1	346.2	337.4	8.80	39.336	
1,995.0	1,992.8	2,012.1	2,010.8	5.8	3.3	2.10	33.3	-370.5	331.1	322.0	9.06	36.541	
2,000.0	1,997.7	2,017.3	2,016.0	5.8	3.3	2.15	33.5	-370.3	330.2	321.2	9.07	36.392	
2,090.0	2,086.9	2,101.3	2,099.9	6.0	3.4	2.68	35.7	-367.7	315.2	305.8	9.34	33.738	
2,100.0	2,096.8	2,110.5	2,109.1	6.0	3.4	2.69	35.7	-367.5	313.6	304.3	9.37	33.463	
2,185.0	2,180.9	2,198.9	2,197.5	6.3	3.4	2.73	35.2	-366.0	300.3	290.7	9.64	31.142	
2,200.0	2,195.8	2,215.4	2,213.9	6.3	3.4	2.74	35.0	-365.4	297.7	288.0	9.69	30.724	
2,280.0	2,275.0	2,301.3	2,299.8	6.6	3.5	2.61	33.4	-361.3	282.7	272.8	9.95	28.406	
2,300.0	2,294.8	2,322.9	2,321.3	6.6	3.5	2.49	32.5	-360.0	278.6	268.6	10.02	27.817	
2,375.0	2,369.1	2,401.6	2,399.6	6.8	3.5	1.93	29.0	-354.1	262.4	252.1	10.27	25.546	
2,400.0	2,393.8	2,425.8	2,423.8	6.9	3.5	1.73	27.8	-352.1	256.7	246.4	10.36	24.781	
2,470.0	2,463.2	2,486.0	2,483.7	7.2	3.5	1.04	24.3	-347.8	241.8	231.2	10.64	22.729	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,492.9	2,511.6	2,509.2	7.3	3.5	0.57	22.2	-346.8	236.3	225.6	10.76	21.969	
2,565.0	2,557.2	2,571.5	2,568.8	7.5	3.6	-0.73	17.0	-345.4	225.4	214.4	11.01	20.473	
2,600.0	2,591.9	2,600.0	2,597.2	7.6	3.6	-1.38	14.6	-345.2	220.3	209.1	11.15	19.756	
2,660.0	2,651.3	2,654.7	2,651.8	7.8	3.6	-2.61	10.3	-346.5	213.2	201.9	11.38	18.743	
2,700.0	2,690.9	2,690.6	2,687.5	7.9	3.6	-3.33	7.9	-348.0	209.3	197.8	11.53	18.158	
2,755.0	2,745.4	2,739.8	2,736.6	8.1	3.6	-3.99	5.9	-351.4	205.4	193.7	11.73	17.508	
2,800.0	2,789.9	2,784.4	2,781.0	8.3	3.6	-4.45	4.6	-354.9	202.8	190.9	11.90	17.043	
2,850.0	2,839.5	2,834.1	2,830.5	8.5	3.6	-4.97	3.3	-358.9	199.9	187.8	12.09	16.538	
2,900.0	2,889.0	2,884.4	2,880.7	8.6	3.6	-5.51	1.9	-363.0	197.0	184.7	12.28	16.050	
2,945.0	2,933.5	2,929.4	2,925.5	8.8	3.6	-5.99	0.8	-366.6	194.4	181.9	12.45	15.615	
3,000.0	2,988.0	2,984.1	2,980.0	9.0	3.7	-6.60	-0.7	-370.9	191.2	178.5	12.66	15.100	
3,040.0	3,027.6	3,024.3	3,020.1	9.2	3.7	-7.08	-1.8	-374.1	188.9	176.1	12.82	14.739	
3,100.0	3,087.0	3,084.4	3,079.9	9.4	3.7	-7.82	-3.5	-378.8	185.4	172.3	13.05	14.204	
3,135.0	3,121.7	3,122.7	3,118.1	9.5	3.7	-8.39	-4.8	-381.5	183.1	169.9	13.18	13.886	
3,200.0	3,186.0	3,191.4	3,186.7	9.8	3.7	-10.11	-8.9	-384.3	177.2	163.8	13.42	13.200	
3,230.0	3,215.8	3,225.8	3,221.0	9.9	3.7	-11.15	-11.3	-384.9	173.9	160.4	13.52	12.866	
3,300.0	3,285.1	3,296.4	3,291.4	10.1	3.8	-13.65	-16.6	-384.7	165.0	151.2	13.76	11.991	
3,325.0	3,309.8	3,321.3	3,316.2	10.2	3.8	-14.61	-18.5	-384.5	161.8	147.9	13.84	11.688	
3,400.0	3,384.1	3,395.3	3,390.0	10.5	3.8	-17.66	-23.9	-383.9	152.4	138.3	14.08	10.824	
3,420.0	3,403.9	3,414.9	3,409.5	10.6	3.8	-18.50	-25.3	-383.8	149.9	135.8	14.14	10.608	
3,500.0	3,483.1	3,493.9	3,488.4	10.9	3.9	-21.91	-30.2	-383.5	140.6	126.3	14.35	9.799	
3,515.0	3,498.0	3,508.8	3,503.3	11.0	3.9	-22.56	-31.0	-383.5	138.9	124.5	14.39	9.655	
3,600.0	3,582.2	3,593.1	3,587.5	11.3	3.9	-26.47	-35.5	-383.2	129.5	114.9	14.57	8.889	
3,610.0	3,592.1	3,603.0	3,597.4	11.4	3.9	-26.96	-36.0	-383.2	128.4	113.8	14.58	8.804	
3,700.0	3,681.2	3,692.0	3,686.2	11.7	4.0	-31.86	-40.7	-382.7	119.1	104.5	14.69	8.111	
3,705.0	3,686.1	3,696.9	3,691.1	11.7	4.0	-32.18	-41.0	-382.7	118.7	104.0	14.69	8.077	
3,800.0	3,780.2	3,789.7	3,783.6	12.1	4.1	-39.29	-48.2	-381.5	110.8	96.2	14.61	7.583	
3,895.0	3,874.3	3,883.1	3,876.7	12.5	4.1	-47.53	-55.8	-380.3	105.2	90.9	14.35	7.331	
3,900.0	3,879.2	3,888.0	3,881.6	12.5	4.1	-47.99	-56.2	-380.2	105.0	90.7	14.33	7.324	
3,990.0	3,968.4	3,976.9	3,970.2	12.9	4.2	-56.51	-63.5	-379.1	102.1	88.1	13.95	7.317	
4,000.0	3,978.3	3,986.7	3,979.9	12.9	4.2	-57.47	-64.3	-379.0	101.9	88.0	13.90	7.327	
4,059.6	4,037.3	4,045.4	4,038.4	13.2	4.2	-63.28	-69.0	-378.2	101.4	87.7	13.62	7.442	
4,085.0	4,062.4	4,070.6	4,063.5	13.3	4.2	-65.77	-71.0	-377.8	101.5	87.9	13.51	7.511	
4,100.0	4,077.3	4,085.4	4,078.3	13.3	4.3	-67.24	-72.1	-377.6	101.6	88.1	13.44	7.557	
4,180.0	4,156.5	4,163.4	4,156.1	13.6	4.3	-74.84	-78.3	-376.5	103.4	90.2	13.16	7.857	
4,200.0	4,176.3	4,182.3	4,174.9	13.7	4.3	-76.67	-79.9	-376.2	104.3	91.2	13.11	7.958	
4,275.0	4,250.6	4,254.9	4,247.1	14.0	4.4	-83.26	-87.2	-375.5	109.7	96.7	13.03	8.422	
4,300.0	4,275.3	4,279.5	4,271.6	14.1	4.4	-85.32	-89.7	-375.3	111.9	98.9	13.04	8.581	
4,370.0	4,344.7	4,348.7	4,340.4	14.4	4.5	-90.71	-96.7	-374.7	118.7	105.5	13.17	9.009	
4,400.0	4,374.4	4,378.0	4,369.6	14.5	4.5	-92.82	-99.6	-374.4	121.8	108.6	13.26	9.185	
4,465.0	4,438.7	4,442.0	4,433.2	14.8	4.5	-97.04	-106.0	-373.8	129.2	115.7	13.52	9.555	
4,500.0	4,473.4	4,475.9	4,467.0	15.0	4.6	-99.03	-109.5	-373.7	133.5	119.8	13.68	9.756	
4,560.0	4,532.8	4,534.1	4,524.8	15.2	4.6	-101.83	-116.0	-374.1	141.6	127.6	13.97	10.136	
4,600.0	4,572.4	4,573.8	4,564.3	15.4	4.6	-103.49	-120.4	-374.6	147.2	133.0	14.17	10.386	
4,655.0	4,626.9	4,628.5	4,618.7	15.6	4.7	-105.55	-126.4	-375.4	154.9	140.4	14.46	10.716	
4,700.0	4,671.5	4,674.0	4,663.9	15.8	4.7	-107.15	-131.1	-376.1	161.1	146.3	14.70	10.955	
4,750.0	4,721.0	4,723.1	4,712.7	16.0	4.8	-108.77	-136.0	-376.7	167.9	152.9	14.97	11.218	
4,790.0	4,760.6	4,762.5	4,752.0	16.1	4.8	-109.99	-140.0	-377.2	173.5	158.4	15.18	11.429	
4,800.0	4,770.5	4,772.5	4,761.9	16.2	4.8	-110.31	-141.0	-377.3	174.9	159.7	15.23	11.484	
4,845.0	4,815.1	4,816.6	4,805.8	16.4	4.9	-111.59	-145.5	-377.7	181.3	165.8	15.48	11.713	
4,900.0	4,869.6	4,871.9	4,860.8	16.6	4.9	-112.94	-150.9	-378.2	188.8	173.1	15.77	11.976	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,909.4	4,911.6	4,900.3	16.8	4.9	-113.77	-154.7	-378.6	194.1	178.2	15.96	12.162	
5,000.0	4,969.0	4,971.8	4,960.2	17.0	5.0	-114.85	-160.2	-379.0	201.8	185.5	16.25	12.418	
5,035.0	5,003.8	5,006.4	4,994.7	17.1	5.0	-115.40	-163.3	-379.2	206.1	189.7	16.41	12.562	
5,100.0	5,068.6	5,071.2	5,059.2	17.4	5.1	-116.26	-169.0	-379.5	213.9	197.2	16.69	12.816	
5,130.0	5,098.5	5,101.4	5,089.4	17.5	5.1	-116.59	-171.6	-379.6	217.3	200.5	16.81	12.926	
5,200.0	5,168.3	5,172.1	5,159.8	17.7	5.2	-117.22	-177.4	-379.8	224.8	207.7	17.08	13.158	
5,225.0	5,193.2	5,196.8	5,184.4	17.8	5.2	-117.39	-179.3	-379.8	227.3	210.2	17.17	13.239	
5,300.0	5,268.1	5,274.1	5,261.5	18.1	5.3	-117.77	-185.0	-380.1	234.2	216.8	17.44	13.432	
5,320.0	5,288.1	5,293.8	5,281.2	18.2	5.3	-117.83	-186.4	-380.3	235.9	218.4	17.49	13.483	
5,400.0	5,368.0	5,374.2	5,361.4	18.4	5.4	-117.93	-191.9	-380.7	242.2	224.5	17.72	13.669	
5,415.0	5,383.0	5,389.5	5,376.6	18.5	5.4	-117.93	-192.9	-380.7	243.3	225.5	17.76	13.701	
5,500.0	5,468.0	5,475.0	5,462.0	18.7	5.5	-117.80	-198.3	-381.0	249.0	231.0	17.95	13.867	
5,510.0	5,478.0	5,484.8	5,471.8	18.7	5.5	-117.77	-198.9	-381.1	249.6	231.6	17.97	13.892	
5,590.0	5,558.0	5,565.4	5,552.2	18.8	5.6	155.89	-203.9	-381.3	254.2	236.2	18.07	14.069	
5,600.0	5,568.0	5,575.8	5,562.6	18.8	5.6	155.95	-204.5	-381.4	254.7	236.7	18.07	14.094	
5,605.0	5,573.0	5,580.7	5,567.5	18.8	5.6	155.98	-204.8	-381.4	255.0	236.9	18.08	14.105	
5,700.0	5,668.0	5,675.8	5,662.4	18.9	5.7	156.49	-210.0	-381.6	259.7	241.6	18.16	14.302	
5,795.0	5,763.0	5,771.2	5,757.7	18.9	5.8	156.96	-215.2	-381.7	264.4	246.2	18.26	14.484	
5,800.0	5,768.0	5,776.3	5,762.8	18.9	5.8	156.99	-215.5	-381.7	264.6	246.4	18.26	14.493	
5,890.0	5,858.0	5,873.9	5,860.3	18.9	5.9	157.51	-219.6	-382.6	267.9	249.5	18.38	14.574	
5,900.0	5,868.0	5,883.9	5,870.3	19.0	5.9	157.57	-219.9	-382.8	268.1	249.7	18.39	14.579	
5,985.0	5,953.0	5,968.4	5,954.8	19.0	6.0	158.05	-222.3	-384.3	269.7	251.3	18.45	14.623	
6,000.0	5,968.0	5,983.5	5,969.8	19.0	6.0	158.13	-222.7	-384.5	270.1	251.6	18.46	14.630	
6,080.0	6,048.0	6,063.7	6,050.0	19.0	6.0	158.59	-225.0	-385.9	271.7	253.2	18.52	14.671	
6,100.0	6,068.0	6,083.7	6,070.0	19.0	6.1	158.71	-225.6	-386.3	272.1	253.6	18.53	14.681	
6,175.0	6,143.0	6,158.7	6,144.9	19.1	6.1	159.13	-227.8	-387.6	273.7	255.1	18.59	14.720	
6,200.0	6,168.0	6,183.7	6,169.9	19.1	6.2	159.27	-228.6	-388.0	274.2	255.6	18.61	14.732	
6,270.0	6,238.0	6,253.6	6,239.8	19.1	6.2	159.68	-230.6	-389.3	275.7	257.0	18.67	14.767	
6,300.0	6,268.0	6,283.6	6,269.8	19.1	6.3	159.85	-231.5	-389.9	276.3	257.6	18.69	14.781	
6,365.0	6,333.0	6,352.0	6,338.2	19.1	6.3	160.21	-233.2	-391.1	277.4	258.7	18.76	14.791	
6,400.0	6,368.0	6,391.1	6,377.2	19.2	6.3	160.37	-233.5	-391.8	277.5	258.7	18.80	14.763	
6,460.0	6,428.0	6,455.8	6,441.9	19.2	6.4	160.54	-232.7	-393.0	276.4	257.6	18.86	14.660	
6,500.0	6,468.0	6,494.5	6,480.6	19.2	6.4	160.62	-232.1	-393.6	275.6	256.7	18.88	14.598	
6,555.0	6,523.0	6,547.8	6,533.9	19.2	6.4	160.71	-231.4	-394.3	274.7	255.8	18.91	14.526	
6,600.0	6,568.0	6,591.7	6,577.7	19.2	6.4	160.79	-231.1	-394.8	274.3	255.3	18.95	14.474	
6,650.0	6,618.0	6,641.0	6,627.1	19.3	6.4	160.90	-231.0	-395.4	274.0	255.0	18.99	14.426	
6,700.0	6,668.0	6,692.1	6,678.2	19.3	6.5	160.98	-230.8	-395.9	273.6	254.5	19.05	14.361	
6,745.0	6,713.0	6,738.9	6,725.0	19.3	6.5	161.00	-230.3	-396.2	273.0	253.9	19.11	14.284	
6,800.0	6,768.0	6,798.0	6,784.1	19.3	6.5	160.93	-228.8	-396.3	271.7	252.5	19.22	14.138	
6,840.0	6,808.0	6,839.7	6,825.7	19.3	6.6	160.81	-227.2	-396.3	270.3	251.0	19.30	14.003	
6,900.0	6,868.0	6,900.5	6,886.5	19.4	6.6	160.68	-224.7	-396.5	267.9	248.5	19.42	13.797	
6,935.0	6,903.0	6,935.3	6,921.3	19.4	6.7	160.65	-223.3	-396.9	266.4	247.0	19.48	13.678	
7,000.0	6,968.0	6,999.2	6,985.1	19.4	6.7	160.67	-221.0	-397.7	263.9	244.4	19.59	13.473	
7,030.0	6,998.0	7,029.2	7,015.1	19.4	6.8	160.70	-220.1	-398.2	262.9	243.2	19.65	13.380	
7,100.0	7,068.0	7,099.8	7,085.7	19.5	6.9	160.78	-217.7	-399.5	260.2	240.4	19.78	13.157	
7,125.0	7,093.0	7,123.8	7,109.6	19.5	6.9	160.82	-216.9	-399.9	259.3	239.4	19.82	13.081	
7,200.0	7,168.0	7,195.3	7,181.0	19.5	7.0	160.98	-215.2	-401.3	257.1	237.2	19.95	12.892	
7,220.0	7,188.0	7,214.4	7,200.2	19.5	7.0	161.03	-214.9	-401.6	256.7	236.8	19.98	12.850	
7,300.0	7,268.0	7,292.0	7,277.7	19.5	7.1	161.31	-214.5	-403.1	255.8	235.7	20.12	12.715	
7,315.0	7,283.0	7,305.7	7,291.5	19.6	7.2	161.36	-214.5	-403.3	255.8	235.6	20.14	12.697	
7,387.5	7,355.5	7,377.3	7,363.0	19.6	7.3	161.65	-214.8	-404.6	255.6	235.3	20.28	12.605	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,368.0	7,389.6	7,375.3	19.6	7.3	161.70	-214.8	-404.8	255.6	235.3	20.30	12.590	
7,410.0	7,378.0	7,399.5	7,385.2	19.6	7.3	161.74	-214.9	-405.0	255.6	235.3	20.32	12.578	
7,500.0	7,468.0	7,488.5	7,474.2	19.6	7.5	162.02	-215.5	-406.1	255.9	235.3	20.51	12.473	
7,505.0	7,473.0	7,493.3	7,479.1	19.6	7.5	162.03	-215.5	-406.1	255.9	235.4	20.52	12.468	
7,600.0	7,568.0	7,585.3	7,571.0	19.7	7.6	162.14	-216.7	-406.2	257.0	236.3	20.74	12.390	
7,695.0	7,663.0	7,679.5	7,665.2	19.7	7.8	162.05	-218.3	-405.3	258.8	237.8	21.00	12.326	
7,700.0	7,668.0	7,684.5	7,670.2	19.7	7.8	162.05	-218.4	-405.3	258.9	237.9	21.01	12.322	
7,790.0	7,758.0	7,773.1	7,758.8	19.8	8.0	161.94	-220.1	-404.2	260.9	239.6	21.26	12.268	
7,800.0	7,768.0	7,782.0	7,767.7	19.8	8.0	161.93	-220.3	-404.1	261.1	239.9	21.29	12.267	
7,885.0	7,853.0	7,861.0	7,846.6	19.8	8.2	161.75	-223.7	-402.1	265.2	243.7	21.53	12.318	
7,900.0	7,868.0	7,871.7	7,857.2	19.8	8.2	161.72	-224.3	-401.7	266.2	244.6	21.57	12.341	
7,980.0	7,948.0	7,948.1	7,933.5	19.8	8.4	161.53	-229.4	-399.1	272.2	250.4	21.82	12.475	
8,000.0	7,968.0	7,970.5	7,955.7	19.9	8.4	161.50	-231.1	-398.4	273.7	251.9	21.88	12.509	
8,075.0	8,043.0	8,058.9	8,044.1	19.9	8.6	161.78	-235.5	-398.4	277.3	255.2	22.12	12.539	
8,100.0	8,068.0	8,088.8	8,073.9	19.9	8.7	161.97	-236.2	-399.1	277.7	255.5	22.20	12.510	
8,170.0	8,138.0	8,169.7	8,154.8	19.9	8.9	162.60	-235.8	-402.4	276.5	254.1	22.41	12.336	
8,200.0	8,168.0	8,202.3	8,187.3	20.0	9.0	162.74	-234.8	-403.4	275.3	252.8	22.51	12.231	
8,265.0	8,233.0	8,269.3	8,254.2	20.0	9.2	162.71	-231.6	-404.3	272.1	249.4	22.74	11.966	
8,300.0	8,268.0	8,303.3	8,288.2	20.0	9.3	162.59	-229.9	-404.2	270.4	247.5	22.86	11.828	
8,360.0	8,328.0	8,361.1	8,345.9	20.0	9.4	162.23	-227.0	-403.4	267.8	244.7	23.08	11.604	
8,400.0	8,368.0	8,399.2	8,384.0	20.0	9.5	161.99	-225.3	-402.7	266.4	243.2	23.22	11.471	
8,455.0	8,423.0	8,450.9	8,435.6	20.1	9.6	161.66	-223.6	-401.7	264.9	241.5	23.42	11.313	
8,500.0	8,468.0	8,492.2	8,476.9	20.1	9.7	161.46	-222.8	-401.0	264.4	240.8	23.57	11.218	
8,517.2	8,485.1	8,507.9	8,492.6	20.1	9.8	161.40	-222.7	-400.8	264.3	240.7	23.62	11.190	
8,550.0	8,518.0	8,539.4	8,524.1	20.1	9.9	161.31	-222.6	-400.3	264.5	240.7	23.73	11.142	
8,600.0	8,568.0	8,589.4	8,574.1	20.1	10.0	161.19	-222.7	-399.7	264.7	240.8	23.92	11.069	
8,645.0	8,613.0	8,634.1	8,618.8	20.2	10.1	161.10	-222.8	-399.2	265.0	240.9	24.08	11.005	
8,700.0	8,668.0	8,687.9	8,672.6	20.2	10.3	160.99	-223.1	-398.6	265.4	241.2	24.27	10.937	
8,740.0	8,708.0	8,727.4	8,712.1	20.2	10.4	160.91	-223.4	-398.1	265.9	241.5	24.41	10.893	
8,800.0	8,768.0	8,787.7	8,772.4	20.2	10.5	160.82	-224.0	-397.4	266.7	242.0	24.63	10.826	
8,835.0	8,803.0	8,822.8	8,807.4	20.2	10.6	160.78	-224.3	-397.2	267.1	242.3	24.76	10.787	
8,900.0	8,868.0	8,887.3	8,871.9	20.3	10.8	160.76	-225.0	-396.8	267.8	242.9	24.99	10.720	
8,930.0	8,898.0	8,917.0	8,901.7	20.3	10.9	160.77	-225.4	-396.7	268.3	243.2	25.09	10.692	
9,000.0	8,968.0	8,987.7	8,972.4	20.3	11.1	160.85	-226.5	-396.8	269.2	243.9	25.33	10.627	
9,025.0	8,993.0	9,019.5	9,004.2	20.3	11.2	160.85	-226.4	-396.7	269.2	243.7	25.46	10.573	
9,100.0	9,068.0	9,186.0	9,165.4	20.4	11.7	157.54	-190.4	-394.8	252.8	225.3	27.51	9.187	
9,120.0	9,088.0	9,207.4	9,185.2	20.4	11.7	156.78	-182.2	-394.9	245.5	217.8	27.72	8.859	
9,200.0	9,168.0	9,291.9	9,262.2	20.4	12.0	152.99	-147.6	-395.6	215.2	186.6	28.63	7.517	
9,215.0	9,183.0	9,309.4	9,277.8	20.4	12.0	151.86	-139.6	-395.5	209.0	180.1	28.89	7.235	
9,300.0	9,268.0	9,399.5	9,354.4	20.5	12.3	142.66	-92.2	-393.4	170.4	140.0	30.42	5.601	
9,310.0	9,278.0	9,408.5	9,361.8	20.5	12.3	141.39	-87.2	-393.2	165.8	135.2	30.57	5.424	
9,400.0	9,368.0	9,493.6	9,429.4	20.5	12.5	124.16	-35.6	-391.5	125.2	92.9	32.32	3.875	
9,405.0	9,373.0	9,498.1	9,432.7	20.5	12.5	122.87	-32.6	-391.4	123.1	90.7	32.42	3.797	
9,500.0	9,468.0	9,570.8	9,483.2	20.6	12.7	94.91	19.7	-390.4	95.3	62.3	33.01	2.888	
9,512.7	9,480.7	9,578.9	9,488.1	20.6	12.7	91.14	26.0	-390.3	94.8	61.9	32.92	2.881	CC, ES, SF
9,595.0	9,563.0	9,622.6	9,513.0	20.6	12.8	70.35	61.9	-389.6	116.5	83.9	32.55	3.579	
9,600.0	9,568.0	9,624.8	9,514.2	20.6	12.8	69.34	63.9	-389.6	119.0	86.4	32.56	3.655	
9,690.0	9,658.0	9,662.0	9,531.9	20.7	12.9	54.28	96.5	-389.6	178.0	144.8	33.12	5.374	
9,700.0	9,668.0	9,666.2	9,533.8	20.7	12.9	52.82	100.2	-389.6	185.5	152.4	33.18	5.591	
9,785.0	9,753.0	9,699.9	9,548.5	20.7	12.9	42.69	130.6	-390.3	253.9	220.1	33.75	7.523	
9,800.0	9,768.0	9,705.9	9,551.1	20.7	12.9	41.18	136.0	-390.5	266.5	232.6	33.84	7.874	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,812.1	9,780.0	9,710.7	9,553.1	20.7	12.9	40.04	140.3	-390.6	276.7	242.8	33.91	8.158	
9,850.0	9,818.0	9,726.3	9,559.6	20.7	13.0	33.45	154.5	-391.2	308.6	274.6	33.98	9.080	
9,880.0	9,847.8	9,742.0	9,566.1	20.7	13.0	28.81	168.8	-391.8	333.3	299.2	34.12	9.768	
9,900.0	9,867.6	9,742.0	9,566.1	20.7	13.0	27.49	168.8	-391.8	349.6	315.2	34.42	10.158	
9,950.0	9,916.6	9,767.1	9,575.9	20.7	13.0	22.19	191.8	-393.2	389.2	354.5	34.71	11.212	
9,975.0	9,940.8	9,777.1	9,579.6	20.7	13.0	20.32	201.1	-393.8	408.5	373.6	34.91	11.701	
10,000.0	9,964.6	9,789.0	9,583.8	20.7	13.0	18.56	212.2	-394.6	427.4	392.3	35.08	12.181	
10,050.0	10,011.2	9,789.0	9,583.8	20.8	13.0	16.88	212.2	-394.6	464.5	428.8	35.69	13.015	
10,070.0	10,029.4	9,807.9	9,589.9	20.8	13.1	15.42	230.1	-395.8	478.3	442.6	35.73	13.388	
10,100.0	10,056.0	9,816.6	9,592.4	20.8	13.1	14.32	238.3	-396.3	499.3	463.4	35.98	13.879	
10,150.0	10,098.7	9,836.0	9,597.2	20.8	13.1	12.63	257.1	-397.5	533.3	496.9	36.34	14.675	
10,165.0	10,111.1	9,836.0	9,597.2	20.8	13.1	12.35	257.1	-397.5	543.1	506.6	36.48	14.886	
10,200.0	10,139.0	9,836.0	9,597.2	20.8	13.1	11.73	257.1	-397.5	565.7	529.0	36.78	15.380	
10,250.0	10,176.6	9,859.7	9,601.6	20.8	13.2	10.48	280.4	-398.6	596.2	559.2	37.07	16.086	
10,260.0	10,183.7	9,862.6	9,602.0	20.8	13.2	10.30	283.3	-398.7	602.2	565.0	37.13	16.219	
10,300.0	10,211.1	9,883.0	9,604.4	20.8	13.2	9.51	303.5	-399.3	625.4	588.1	37.34	16.751	
10,350.0	10,242.4	9,894.1	9,605.3	20.9	13.3	8.88	314.5	-399.6	652.4	614.8	37.61	17.346	
10,355.0	10,245.3	9,897.0	9,605.5	20.9	13.3	8.80	317.4	-399.6	655.0	617.3	37.63	17.404	
10,400.0	10,270.1	9,931.0	9,607.6	20.9	13.4	8.13	351.4	-400.4	677.0	639.2	37.83	17.898	
10,450.0	10,294.1	9,964.3	9,609.3	20.9	13.5	7.57	384.7	-401.1	698.4	660.3	38.05	18.354	
10,500.0	10,314.2	10,010.2	9,611.6	21.0	13.6	7.05	430.5	-402.3	715.9	677.7	38.27	18.708	
10,545.0	10,328.8	10,047.7	9,613.3	21.0	13.7	6.71	467.9	-403.3	728.4	689.9	38.47	18.932	
10,550.0	10,330.2	10,051.6	9,613.5	21.0	13.8	6.68	471.8	-403.4	729.6	691.1	38.50	18.952	
10,600.0	10,342.1	10,090.7	9,614.8	21.1	13.9	6.45	510.9	-404.1	739.6	700.9	38.72	19.100	
10,640.0	10,348.5	10,121.0	9,615.5	21.1	14.0	6.33	541.2	-404.4	745.0	706.1	38.90	19.153	
10,650.0	10,349.6	10,131.0	9,615.7	21.1	14.1	6.31	551.1	-404.4	746.0	707.1	38.95	19.154	
10,700.0	10,352.9	10,173.9	9,616.1	21.2	14.2	6.23	594.1	-404.9	748.7	709.5	39.18	19.107	
10,709.7	10,353.0	10,182.3	9,616.2	21.2	14.3	6.22	602.4	-405.1	748.7	709.5	39.22	19.091	
10,715.2	10,353.0	10,187.0	9,616.2	21.2	14.3	6.21	607.2	-405.2	748.7	709.5	39.24	19.081	
10,735.0	10,353.1	10,204.0	9,616.2	21.3	14.3	6.18	624.2	-405.5	748.8	709.5	39.32	19.044	
10,800.0	10,353.4	10,283.1	9,616.4	21.4	14.7	5.98	703.2	-408.4	748.6	709.0	39.62	18.895	
10,830.0	10,353.5	10,322.7	9,617.2	21.5	14.9	5.82	742.8	-410.6	748.0	708.2	39.77	18.807	
10,900.0	10,353.8	10,381.0	9,618.3	21.6	15.1	5.67	801.0	-412.8	746.8	706.7	40.11	18.620	
10,925.0	10,353.9	10,407.0	9,618.6	21.7	15.3	5.64	827.0	-413.3	746.5	706.3	40.24	18.553	
11,000.0	10,354.2	10,481.0	9,619.6	21.8	15.6	5.61	900.9	-413.8	745.8	705.2	40.64	18.351	
11,020.0	10,354.3	10,501.9	9,619.9	21.9	15.7	5.61	921.9	-413.9	745.5	704.8	40.76	18.293	
11,094.2	10,354.6	10,566.2	9,620.6	22.1	16.1	5.63	986.1	-413.8	745.0	703.9	41.17	18.095	
11,100.0	10,354.6	10,571.2	9,620.7	22.1	16.1	5.64	991.2	-413.7	745.1	703.8	41.21	18.080	
11,115.0	10,354.7	10,584.2	9,620.7	22.1	16.2	5.65	1,004.1	-413.6	745.1	703.8	41.30	18.043	
11,200.0	10,355.0	10,710.4	9,624.4	22.4	16.8	6.19	1,130.1	-407.1	743.6	701.7	41.87	17.757	
11,210.0	10,355.1	10,724.5	9,625.4	22.4	16.9	6.29	1,144.1	-405.9	743.0	701.1	41.95	17.713	
11,300.0	10,355.4	10,816.0	9,633.3	22.7	17.5	7.09	1,234.7	-396.6	736.7	694.1	42.55	17.312	
11,305.0	10,355.4	10,819.1	9,633.5	22.7	17.5	7.12	1,237.8	-396.3	736.4	693.8	42.59	17.291	
11,400.0	10,355.8	10,881.0	9,636.2	23.0	17.8	7.51	1,299.5	-391.6	733.5	690.3	43.23	16.967	
11,419.8	10,355.9	10,892.1	9,636.3	23.0	17.9	7.56	1,310.5	-391.0	733.4	690.1	43.36	16.915	
11,495.0	10,356.2	10,949.6	9,636.2	23.3	18.3	7.81	1,368.0	-387.8	734.5	690.6	43.88	16.737	
11,500.0	10,356.2	10,953.5	9,636.2	23.3	18.3	7.83	1,371.8	-387.6	734.6	690.7	43.92	16.727	
11,590.0	10,356.6	11,088.6	9,636.2	23.6	19.1	8.03	1,506.9	-385.2	735.6	690.9	44.75	16.440	
11,600.0	10,356.7	11,085.9	9,636.0	23.7	19.1	8.04	1,504.2	-385.1	735.5	690.7	44.81	16.414	
11,659.2	10,356.9	11,132.9	9,636.5	23.9	19.4	7.96	1,551.2	-386.1	735.0	689.8	45.29	16.229	
11,685.0	10,357.0	11,153.3	9,636.4	24.0	19.6	7.92	1,571.6	-386.7	735.1	689.6	45.50	16.157	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,700.0	10,357.1	11,166.0	9,636.3	24.1	19.7	7.89	1,584.2	-387.1	735.3	689.7	45.62	16.117	
11,780.0	10,357.4	11,253.3	9,635.6	24.4	20.2	7.58	1,671.4	-391.1	735.8	689.4	46.36	15.870	
11,800.0	10,357.5	11,274.1	9,635.5	24.5	20.4	7.49	1,692.2	-392.4	735.8	689.2	46.55	15.807	
11,875.0	10,357.8	11,349.8	9,635.4	24.8	20.9	7.19	1,767.8	-396.3	735.7	688.5	47.25	15.570	
11,899.4	10,357.9	11,373.3	9,635.4	24.9	21.0	7.12	1,791.3	-397.2	735.7	688.2	47.48	15.495	
11,900.0	10,357.9	11,373.9	9,635.4	24.9	21.1	7.12	1,791.9	-397.3	735.7	688.2	47.48	15.493	
11,970.0	10,358.2	11,440.2	9,635.2	25.2	21.5	6.95	1,858.1	-399.6	735.9	687.7	48.15	15.284	
12,000.0	10,358.3	11,470.4	9,635.1	25.3	21.7	6.88	1,888.4	-400.5	736.0	687.6	48.44	15.195	
12,065.0	10,358.6	11,538.0	9,634.8	25.6	22.2	6.65	1,955.9	-403.5	736.2	687.1	49.09	14.996	
12,100.0	10,358.7	11,584.8	9,635.0	25.8	22.5	6.46	2,002.6	-406.0	736.0	686.6	49.48	14.876	
12,160.0	10,359.0	11,657.9	9,636.9	26.0	23.0	6.23	2,075.6	-409.3	734.4	684.2	50.12	14.651	
12,200.0	10,359.1	11,693.8	9,638.0	26.2	23.3	6.16	2,111.5	-410.4	733.2	682.7	50.53	14.510	
12,255.0	10,359.3	11,747.8	9,639.5	26.5	23.7	6.13	2,165.4	-411.0	731.9	680.8	51.10	14.322	
12,300.0	10,359.5	11,806.5	9,641.7	26.7	24.1	6.11	2,224.1	-411.6	730.3	678.7	51.60	14.154	
12,350.0	10,359.7	11,849.7	9,643.8	26.9	24.4	6.09	2,267.2	-412.1	728.1	676.0	52.13	13.968	
12,400.0	10,359.9	11,882.1	9,644.6	27.2	24.7	6.08	2,299.6	-412.4	727.0	674.3	52.63	13.812	
12,422.0	10,360.0	11,896.3	9,644.8	27.3	24.8	6.08	2,313.8	-412.5	726.9	674.0	52.85	13.753	
12,445.0	10,360.1	11,923.0	9,644.6	27.4	25.0	6.08	2,340.5	-412.5	727.1	674.0	53.11	13.690	
12,448.6	10,360.1	11,923.0	9,644.6	27.4	25.0	6.08	2,340.5	-412.5	727.1	674.0	53.14	13.683	
12,500.0	10,360.4	11,948.5	9,644.0	27.7	25.2	6.08	2,366.0	-412.5	728.3	674.7	53.60	13.588	
12,540.0	10,360.5	11,976.1	9,642.9	27.9	25.4	6.08	2,393.6	-412.4	730.0	676.1	53.98	13.525	
12,600.0	10,360.8	12,018.0	9,640.4	28.2	25.7	6.10	2,435.4	-412.0	734.0	679.4	54.52	13.461	
12,635.0	10,360.9	12,066.7	9,637.3	28.4	26.1	6.11	2,484.0	-411.6	736.3	681.3	55.01	13.385	
12,700.0	10,361.2	12,157.0	9,634.0	28.7	26.8	6.09	2,574.2	-411.6	739.0	683.1	55.89	13.223	
12,730.0	10,361.3	12,197.4	9,633.5	28.9	27.1	6.08	2,614.6	-411.8	739.5	683.2	56.27	13.140	
12,800.0	10,361.6	12,279.6	9,633.7	29.3	27.7	6.01	2,696.9	-412.8	739.5	682.4	57.13	12.944	
12,825.0	10,361.7	12,308.4	9,634.0	29.4	27.9	5.95	2,725.6	-413.6	739.3	681.8	57.44	12.871	
12,864.2	10,361.9	12,338.9	9,634.2	29.6	28.1	5.89	2,756.1	-414.5	739.1	681.2	57.88	12.770	
12,900.0	10,362.0	12,368.1	9,634.1	29.8	28.4	5.82	2,785.3	-415.4	739.2	681.0	58.28	12.685	
12,920.0	10,362.1	12,384.5	9,633.9	29.9	28.5	5.78	2,801.7	-415.9	739.5	681.0	58.50	12.640	
13,000.0	10,362.4	12,450.2	9,632.4	30.4	29.0	5.63	2,867.4	-417.9	741.4	682.0	59.39	12.482	
13,015.0	10,362.5	12,462.6	9,632.0	30.5	29.1	5.60	2,879.7	-418.3	741.9	682.3	59.56	12.456	
13,100.0	10,362.8	12,552.4	9,628.7	30.9	29.8	5.47	2,969.4	-419.8	745.2	684.6	60.62	12.294	
13,110.0	10,362.9	12,564.9	9,628.4	31.0	29.9	5.47	2,981.9	-419.7	745.5	684.8	60.75	12.271	
13,200.0	10,363.2	12,658.5	9,627.0	31.5	30.6	5.61	3,075.6	-417.8	747.5	685.6	61.87	12.081	
13,205.0	10,363.3	12,663.5	9,626.9	31.5	30.7	5.63	3,080.5	-417.7	747.6	685.6	61.93	12.070	
13,300.0	10,363.6	12,796.4	9,628.2	32.1	31.7	5.91	3,213.4	-414.2	747.4	684.1	63.24	11.818	
13,395.0	10,364.0	12,896.4	9,631.7	32.6	32.5	5.94	3,313.2	-414.4	744.4	679.9	64.44	11.551	
13,400.0	10,364.1	12,901.9	9,631.9	32.7	32.5	5.94	3,318.7	-414.5	744.2	679.7	64.51	11.537	
13,490.0	10,364.4	12,990.2	9,635.8	33.2	33.2	5.94	3,407.0	-415.0	740.6	675.0	65.65	11.281	
13,500.0	10,364.5	12,997.7	9,636.1	33.3	33.3	5.94	3,414.5	-415.0	740.3	674.5	65.78	11.254	
13,585.0	10,364.8	13,063.0	9,637.4	33.8	33.8	6.00	3,479.7	-414.5	738.9	672.1	66.83	11.058	
13,594.2	10,364.8	13,069.0	9,637.5	33.8	33.9	6.01	3,485.8	-414.4	738.9	672.0	66.93	11.040	
13,600.0	10,364.9	13,074.1	9,637.5	33.9	33.9	6.01	3,490.9	-414.3	738.9	671.9	67.01	11.028	
13,680.0	10,365.2	13,144.0	9,637.3	34.4	34.5	6.10	3,560.7	-413.2	739.6	671.6	68.00	10.876	
13,700.0	10,365.3	13,164.4	9,637.1	34.5	34.6	6.13	3,581.1	-413.0	739.9	671.7	68.26	10.840	
13,775.0	10,365.6	13,254.0	9,638.1	34.9	35.3	6.03	3,670.7	-414.4	739.1	669.8	69.30	10.665	
13,800.0	10,365.7	13,281.9	9,638.7	35.1	35.6	5.95	3,698.6	-415.6	738.5	668.9	69.64	10.605	
13,818.0	10,365.8	13,293.2	9,638.8	35.2	35.6	5.92	3,709.9	-416.0	738.5	668.6	69.86	10.571	
13,870.0	10,366.0	13,325.8	9,638.3	35.5	35.9	5.84	3,742.4	-417.1	739.1	668.7	70.45	10.491	
13,900.0	10,366.1	13,349.0	9,637.5	35.7	36.1	5.78	3,765.6	-417.8	740.2	669.4	70.81	10.453	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,965.0	10,366.4	13,438.8	9,635.5	36.1	36.8	5.50	3,855.3	-421.3	741.8	670.0	71.80	10.332	
14,000.0	10,366.5	13,471.1	9,635.4	36.3	37.1	5.38	3,887.6	-423.0	741.9	669.7	72.25	10.268	
14,060.0	10,366.8	13,522.6	9,634.7	36.7	37.5	5.19	3,939.0	-425.5	742.6	669.6	73.02	10.170	
14,100.0	10,366.9	13,564.1	9,634.0	37.0	37.8	5.05	3,980.5	-427.3	743.4	669.8	73.56	10.105	
14,155.0	10,367.2	13,629.5	9,633.6	37.3	38.4	4.90	4,045.8	-429.3	743.8	669.5	74.35	10.004	
14,200.0	10,367.3	13,679.0	9,633.8	37.6	38.8	4.88	4,095.4	-429.7	743.7	668.8	74.97	9.920	
14,250.0	10,367.5	13,735.7	9,634.6	37.9	39.2	4.97	4,152.0	-428.7	743.3	667.7	75.67	9.824	
14,300.0	10,367.7	13,809.1	9,637.3	38.2	39.8	5.21	4,225.3	-425.9	741.9	665.5	76.38	9.714	
14,345.0	10,367.9	13,879.8	9,642.9	38.5	40.4	5.53	4,295.7	-422.4	738.6	661.6	76.95	9.598	
14,400.0	10,368.2	13,932.8	9,647.5	38.9	40.8	5.78	4,348.4	-419.6	734.3	656.6	77.71	9.449	
14,440.0	10,368.3	13,973.6	9,651.1	39.1	41.1	5.99	4,389.0	-417.4	731.2	652.9	78.25	9.344	
14,500.0	10,368.6	14,035.7	9,656.7	39.5	41.6	6.32	4,450.7	-413.9	726.4	647.3	79.07	9.187	
14,535.0	10,368.7	14,063.2	9,659.1	39.8	41.9	6.47	4,478.0	-412.3	723.7	644.2	79.58	9.095	
14,600.0	10,369.0	14,114.2	9,662.8	40.2	42.3	6.72	4,528.8	-409.7	719.8	639.3	80.50	8.941	
14,630.0	10,369.1	14,131.0	9,663.8	40.4	42.4	6.79	4,545.6	-408.9	718.4	637.5	80.92	8.878	
14,700.0	10,369.4	14,193.4	9,666.5	40.8	42.9	7.06	4,607.9	-405.9	716.1	634.2	81.88	8.745	
14,725.0	10,369.5	14,213.2	9,667.1	41.0	43.1	7.15	4,627.7	-404.9	715.6	633.4	82.22	8.704	
14,770.8	10,369.7	14,248.2	9,667.8	41.3	43.4	7.30	4,662.6	-403.2	715.2	632.4	82.82	8.636	
14,800.0	10,369.8	14,269.9	9,667.9	41.5	43.5	7.39	4,684.3	-402.1	715.4	632.2	83.19	8.599	
14,820.0	10,369.9	14,284.9	9,667.8	41.6	43.7	7.45	4,699.2	-401.3	715.7	632.2	83.45	8.576	
14,900.0	10,370.2	14,351.4	9,666.5	42.2	44.2	7.69	4,765.7	-398.1	718.1	633.6	84.48	8.500	
14,915.0	10,370.3	14,365.8	9,666.1	42.3	44.3	7.74	4,780.1	-397.5	718.6	633.9	84.68	8.486	
15,000.0	10,370.6	14,443.9	9,663.6	42.8	45.0	7.92	4,858.1	-395.0	722.0	636.2	85.82	8.413	
15,010.0	10,370.7	14,452.4	9,663.3	42.9	45.0	7.94	4,866.5	-394.7	722.5	636.6	85.95	8.407	
15,100.0	10,371.0	14,529.9	9,659.5	43.5	45.7	8.13	4,943.9	-391.9	727.7	640.7	87.09	8.356	
15,105.0	10,371.1	14,534.5	9,659.2	43.5	45.7	8.14	4,948.5	-391.7	728.1	640.9	87.16	8.354	
15,200.0	10,371.4	14,623.7	9,653.7	44.2	46.4	8.37	5,037.5	-388.0	734.9	646.4	88.43	8.310	
15,295.0	10,371.8	14,730.7	9,647.5	44.8	47.3	8.75	5,144.2	-382.4	741.5	651.6	89.90	8.248	
15,300.0	10,371.9	14,737.8	9,647.2	44.8	47.4	8.77	5,151.2	-382.0	741.8	651.8	90.00	8.242	
15,390.0	10,372.2	14,860.4	9,644.7	45.5	48.4	9.21	5,273.6	-376.0	744.6	653.1	91.52	8.136	
15,400.0	10,372.3	14,873.6	9,644.7	45.5	48.5	9.25	5,286.9	-375.5	744.7	653.0	91.68	8.123	
15,485.0	10,372.6	14,987.0	9,646.9	46.1	49.4	9.43	5,400.2	-373.7	743.7	650.7	92.97	7.999	
15,500.0	10,372.7	15,001.4	9,647.4	46.2	49.6	9.43	5,414.6	-373.7	743.2	650.0	93.18	7.976	
15,580.0	10,373.0	15,082.8	9,650.4	46.8	50.2	9.47	5,495.9	-373.8	740.7	646.4	94.34	7.852	
15,600.0	10,373.1	15,105.4	9,651.2	46.9	50.4	9.48	5,518.5	-373.8	740.1	645.4	94.62	7.821	
15,675.0	10,373.4	15,189.0	9,654.7	47.4	51.1	9.33	5,602.0	-376.5	736.9	641.2	95.70	7.700	
15,700.0	10,373.5	15,215.3	9,655.9	47.6	51.3	9.25	5,628.2	-377.7	735.7	639.6	96.06	7.659	
15,770.0	10,373.8	15,287.7	9,659.6	48.1	51.9	9.08	5,700.5	-380.7	732.1	635.0	97.07	7.542	
15,800.0	10,373.9	15,317.3	9,661.1	48.3	52.2	9.01	5,730.0	-381.8	730.5	633.0	97.50	7.492	
15,865.0	10,374.2	15,383.6	9,664.5	48.7	52.7	8.87	5,796.2	-384.2	727.1	628.7	98.44	7.386	
15,900.0	10,374.3	15,422.3	9,666.7	49.0	53.1	8.79	5,834.8	-385.7	725.1	626.2	98.94	7.329	
15,960.0	10,374.6	15,479.3	9,670.1	49.4	53.5	8.65	5,891.6	-388.0	721.5	621.7	99.81	7.228	
16,000.0	10,374.7	15,509.5	9,671.5	49.7	53.8	8.57	5,921.8	-389.3	719.5	619.1	100.41	7.166	
16,055.0	10,375.0	15,554.0	9,672.8	50.0	54.1	8.44	5,966.2	-391.2	717.8	616.5	101.21	7.091	
16,100.0	10,375.1	15,591.5	9,673.5	50.3	54.5	8.32	6,003.7	-392.9	716.9	615.0	101.86	7.038	
16,150.0	10,375.3	15,636.9	9,674.0	50.7	54.8	8.18	6,049.0	-394.8	716.2	613.6	102.58	6.982	
16,191.4	10,375.5	15,671.1	9,674.1	51.0	55.1	8.06	6,083.2	-396.3	716.0	612.8	103.16	6.941	
16,200.0	10,375.6	15,677.9	9,674.1	51.0	55.2	8.04	6,090.0	-396.6	716.0	612.7	103.27	6.933	
16,245.0	10,375.7	15,713.3	9,673.7	51.4	55.5	7.90	6,125.4	-398.4	716.4	612.5	103.88	6.896	
16,300.0	10,376.0	15,759.8	9,672.4	51.7	55.9	7.68	6,171.8	-401.1	717.7	613.1	104.62	6.860	
16,340.0	10,376.1	15,800.1	9,671.1	52.0	56.2	7.47	6,212.0	-403.6	718.8	613.6	105.21	6.832	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,400.0	10,376.4	15,858.6	9,669.3	52.4	56.7	7.15	6,270.3	-407.4	720.5	614.4	106.07	6.792	
16,435.0	10,376.5	15,890.7	9,668.1	52.7	57.0	6.97	6,302.3	-409.7	721.6	615.0	106.56	6.772	
16,500.0	10,376.8	15,949.8	9,665.5	53.1	57.5	6.59	6,361.2	-414.2	724.1	616.6	107.46	6.738	
16,530.0	10,376.9	15,976.6	9,664.2	53.4	57.7	6.42	6,387.9	-416.3	725.4	617.5	107.87	6.725	
16,600.0	10,377.2	16,040.8	9,660.6	53.8	58.2	5.99	6,451.7	-421.5	729.0	620.2	108.83	6.699	
16,625.0	10,377.3	16,066.7	9,659.1	54.0	58.5	5.83	6,477.5	-423.4	730.4	621.2	109.20	6.688	
16,700.0	10,377.6	16,143.3	9,655.0	54.6	59.1	5.45	6,553.9	-428.0	734.3	624.0	110.32	6.656	
16,720.0	10,377.7	16,163.0	9,653.9	54.7	59.3	5.36	6,573.5	-429.1	735.3	624.7	110.61	6.648	
16,800.0	10,378.0	16,244.9	9,649.6	55.3	60.0	5.01	6,655.2	-433.4	739.5	627.7	111.80	6.614	
16,815.0	10,378.1	16,262.0	9,648.7	55.4	60.1	4.94	6,672.3	-434.3	740.3	628.2	112.05	6.607	
16,900.0	10,378.4	16,356.6	9,645.0	56.0	60.9	4.60	6,766.7	-438.5	743.6	630.2	113.39	6.558	
16,910.0	10,378.5	16,367.4	9,644.7	56.0	61.0	4.56	6,777.5	-438.9	743.9	630.4	113.54	6.552	
17,000.0	10,378.8	16,520.2	9,645.0	56.7	62.3	4.30	6,930.1	-442.6	744.6	629.5	115.03	6.473	
17,005.0	10,378.9	16,521.9	9,645.1	56.7	62.3	4.30	6,931.9	-442.6	744.4	629.2	115.11	6.466	
17,100.0	10,379.3	16,640.2	9,653.5	57.4	63.3	4.25	7,049.9	-444.1	737.8	621.4	116.41	6.338	
17,195.0	10,379.6	16,737.4	9,661.6	58.1	64.1	4.25	7,146.7	-444.9	730.2	612.4	117.80	6.199	
17,200.0	10,379.7	16,742.7	9,662.1	58.1	64.2	4.25	7,151.9	-444.9	729.8	611.9	117.87	6.192	
17,290.0	10,380.0	16,821.6	9,668.8	58.7	64.8	4.28	7,230.5	-445.1	722.6	603.3	119.28	6.058	
17,300.0	10,380.1	16,828.7	9,669.3	58.8	64.9	4.29	7,237.7	-445.1	721.9	602.5	119.45	6.044	
17,385.0	10,380.4	16,884.0	9,672.2	59.4	65.3	4.31	7,292.9	-445.1	718.0	597.2	120.78	5.944	
17,400.0	10,380.5	16,899.6	9,672.7	59.5	65.5	4.32	7,308.4	-445.0	717.6	596.5	121.01	5.930	
17,453.3	10,380.7	16,936.2	9,673.3	59.9	65.8	4.34	7,345.1	-444.9	716.9	595.2	121.77	5.888	
17,480.0	10,380.8	16,954.5	9,673.3	60.1	65.9	4.35	7,363.4	-444.9	717.1	595.0	122.12	5.872	
17,500.0	10,380.9	16,979.0	9,672.9	60.2	66.1	4.36	7,387.9	-444.8	717.5	595.1	122.44	5.860	
17,575.0	10,381.2	17,039.9	9,671.6	60.8	66.6	4.37	7,448.7	-444.5	719.3	595.9	123.47	5.826	
17,600.0	10,381.3	17,065.5	9,671.1	61.0	66.9	4.38	7,474.4	-444.5	719.9	596.1	123.85	5.813	
17,670.0	10,381.6	17,128.0	9,669.6	61.5	67.4	4.38	7,536.8	-444.5	721.9	597.1	124.83	5.783	
17,700.0	10,381.7	17,154.2	9,668.7	61.7	67.6	4.38	7,563.0	-444.5	723.1	597.8	125.24	5.773	
17,765.0	10,382.0	17,213.7	9,666.3	62.2	68.1	4.36	7,622.5	-444.6	725.9	599.8	126.16	5.754	
17,800.0	10,382.1	17,246.3	9,664.9	62.4	68.4	4.36	7,655.1	-444.6	727.6	601.0	126.65	5.745	
17,860.0	10,382.4	17,311.7	9,662.0	62.8	68.9	4.34	7,720.3	-444.6	730.6	602.9	127.61	5.725	
17,900.0	10,382.5	17,358.2	9,660.4	63.1	69.3	4.34	7,766.8	-444.7	732.1	603.8	128.27	5.707	
17,955.0	10,382.8	17,415.4	9,658.8	63.5	69.8	4.35	7,824.0	-444.5	733.9	604.8	129.11	5.684	
18,000.0	10,382.9	17,463.5	9,657.6	63.8	70.2	4.39	7,872.1	-444.0	735.2	605.4	129.82	5.664	
18,050.0	10,383.2	17,524.3	9,656.7	64.2	70.7	4.48	7,932.9	-442.8	736.2	605.6	130.64	5.635	
18,100.0	10,383.4	17,578.8	9,656.7	64.6	71.2	4.60	7,987.4	-441.3	736.6	605.2	131.42	5.605	
18,145.0	10,383.5	17,624.2	9,656.7	64.9	71.6	4.72	8,032.8	-439.9	736.8	604.7	132.10	5.578	
18,200.0	10,383.8	17,697.2	9,657.5	65.3	72.2	4.90	8,105.7	-437.7	736.7	603.7	132.98	5.540	
18,240.0	10,383.9	17,756.7	9,659.7	65.6	72.7	5.00	8,165.1	-436.8	735.4	601.8	133.55	5.506	
18,300.0	10,384.2	17,809.6	9,661.9	66.0	73.1	5.09	8,218.0	-435.8	733.3	598.8	134.48	5.453	
18,335.0	10,384.3	17,844.3	9,663.3	66.3	73.4	5.16	8,252.7	-435.1	732.0	597.0	135.01	5.422	
18,400.0	10,384.6	17,909.7	9,666.1	66.7	74.0	5.32	8,318.0	-433.5	729.7	593.7	135.99	5.366	
18,430.0	10,384.7	17,940.9	9,667.5	67.0	74.2	5.40	8,349.2	-432.5	728.6	592.2	136.44	5.340	
18,500.0	10,385.0	18,016.5	9,671.1	67.5	74.9	5.62	8,424.6	-430.2	725.7	588.2	137.48	5.279	
18,525.0	10,385.1	18,020.0	9,671.3	67.6	74.9	5.64	8,428.1	-430.1	724.9	587.0	137.88	5.257	
18,600.0	10,385.4	18,085.4	9,673.3	68.2	75.4	5.78	8,493.5	-428.6	723.3	584.3	138.99	5.204	
18,605.3	10,385.4	18,089.0	9,673.4	68.2	75.5	5.78	8,497.1	-428.5	723.3	584.2	139.07	5.201	
18,620.0	10,385.5	18,099.0	9,673.4	68.3	75.6	5.79	8,507.0	-428.4	723.3	584.0	139.27	5.194	
18,700.0	10,385.8	18,166.8	9,672.5	68.9	76.1	5.83	8,574.9	-428.0	724.7	584.3	140.40	5.162	
18,715.0	10,385.9	18,180.6	9,672.2	69.0	76.3	5.83	8,588.6	-427.9	725.1	584.5	140.61	5.157	
18,800.0	10,386.2	18,261.2	9,670.2	69.6	76.9	5.83	8,669.2	-427.9	727.5	585.7	141.86	5.129	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,810.0	10,386.3	18,270.9	9,670.0	69.7	77.0	5.82	8,678.9	-428.0	727.8	585.8	142.01	5.125	
18,900.0	10,386.6	18,357.1	9,667.4	70.4	77.8	5.77	8,765.1	-428.4	730.9	587.6	143.33	5.099	
18,905.0	10,386.7	18,361.9	9,667.2	70.4	77.8	5.77	8,769.9	-428.5	731.1	587.7	143.40	5.098	
19,000.0	10,387.1	18,453.2	9,664.0	71.1	78.6	5.78	8,861.1	-428.2	734.8	590.0	144.80	5.075	
19,095.0	10,387.4	18,568.7	9,660.6	71.8	79.5	5.79	8,976.5	-427.8	738.1	591.7	146.42	5.041	
19,100.0	10,387.5	18,575.7	9,660.6	71.8	79.6	5.79	8,983.6	-427.8	738.2	591.7	146.51	5.039	
19,190.0	10,387.8	18,674.1	9,660.6	72.5	80.4	5.77	9,081.9	-428.3	738.5	590.6	147.91	4.993	
19,200.0	10,387.9	18,684.7	9,660.6	72.6	80.5	5.77	9,092.5	-428.3	738.5	590.5	148.07	4.988	
19,285.0	10,388.2	18,770.9	9,661.0	73.2	81.3	5.66	9,178.7	-429.9	738.4	589.0	149.36	4.944	
19,300.0	10,388.3	18,785.5	9,661.0	73.3	81.4	5.62	9,193.3	-430.4	738.3	588.7	149.58	4.936	
19,326.6	10,388.4	18,810.6	9,661.1	73.5	81.6	5.57	9,218.5	-431.1	738.3	588.3	149.98	4.923	
19,380.0	10,388.6	18,861.0	9,661.1	73.9	82.0	5.48	9,268.8	-432.4	738.4	587.6	150.78	4.897	
19,400.0	10,388.7	18,884.6	9,661.1	74.0	82.2	5.45	9,292.4	-432.8	738.5	587.4	151.10	4.887	
19,475.0	10,389.0	18,982.4	9,663.3	74.6	83.1	5.38	9,390.2	-434.1	736.9	584.6	152.26	4.840	
19,500.0	10,389.1	19,005.8	9,664.1	74.8	83.3	5.37	9,413.5	-434.3	736.1	583.5	152.64	4.823	
19,570.0	10,389.4	19,071.1	9,666.1	75.3	83.8	5.36	9,478.8	-434.8	734.3	580.6	153.71	4.777	
19,600.0	10,389.5	19,098.7	9,666.8	75.5	84.0	5.35	9,506.4	-435.0	733.6	579.5	154.17	4.759	
19,665.0	10,389.8	19,161.2	9,668.0	76.0	84.6	5.30	9,568.9	-435.8	732.6	577.4	155.15	4.722	
19,700.0	10,389.9	19,212.5	9,669.6	76.2	85.0	5.23	9,620.1	-436.9	731.6	575.9	155.66	4.700	
19,760.0	10,390.2	19,292.1	9,673.9	76.7	85.7	5.03	9,699.6	-440.0	728.3	571.9	156.45	4.655	
19,800.0	10,390.3	19,341.1	9,677.4	77.0	86.1	4.82	9,748.3	-443.1	725.4	568.5	156.97	4.622	
19,855.0	10,390.6	19,390.2	9,681.0	77.4	86.5	4.57	9,797.1	-446.6	721.4	563.5	157.86	4.570	
19,900.0	10,390.8	19,429.7	9,683.6	77.7	86.8	4.39	9,836.6	-449.2	718.4	559.8	158.59	4.530	
19,950.0	10,391.0	19,475.8	9,686.3	78.1	87.2	4.20	9,882.4	-451.7	715.4	556.0	159.38	4.489	
20,000.0	10,391.2	19,522.4	9,688.9	78.4	87.6	4.05	9,928.9	-453.9	712.7	552.5	160.17	4.450	
20,045.0	10,391.3	19,560.0	9,690.8	78.8	87.9	3.96	9,966.4	-455.2	710.5	549.6	160.89	4.416	
20,100.0	10,391.6	19,604.1	9,692.4	79.2	88.3	3.92	10,010.5	-456.0	708.6	546.9	161.77	4.381	
20,140.0	10,391.7	19,636.9	9,693.3	79.5	88.6	3.92	10,043.3	-456.0	707.8	545.4	162.38	4.359	
20,200.0	10,392.0	19,689.0	9,694.1	79.9	89.0	3.97	10,095.4	-455.5	707.1	543.9	163.28	4.331	
20,235.0	10,392.1	19,722.0	9,694.3	80.2	89.3	4.03	10,128.4	-454.9	707.1	543.3	163.81	4.316	
20,300.0	10,392.4	19,792.1	9,695.0	80.7	89.9	4.13	10,198.5	-453.8	706.8	542.0	164.82	4.289	
20,330.0	10,392.5	19,826.4	9,695.6	80.9	90.2	4.16	10,232.8	-453.5	706.4	541.2	165.28	4.274	
20,400.0	10,392.8	19,908.0	9,697.9	81.4	90.9	4.23	10,314.4	-453.0	704.8	538.4	166.34	4.237	
20,425.0	10,392.9	19,910.0	9,698.0	81.6	90.9	4.23	10,316.3	-453.0	704.3	537.6	166.71	4.225	
20,434.7	10,393.0	19,930.7	9,698.6	81.6	91.1	4.25	10,337.0	-452.8	703.9	537.0	166.88	4.218	
20,463.0	10,393.1	19,948.4	9,698.8	81.9	91.2	4.27	10,354.7	-452.6	703.7	536.4	167.29	4.206	
20,500.0	10,393.2	19,971.5	9,698.7	82.1	91.4	4.31	10,377.8	-452.1	704.1	536.3	167.77	4.197	
20,520.0	10,393.3	19,983.9	9,698.5	82.3	91.5	4.34	10,390.3	-451.8	704.6	536.6	168.01	4.194	
20,600.0	10,393.6	20,060.9	9,695.8	82.9	92.2	4.50	10,467.2	-449.7	707.8	538.6	169.20	4.183	
20,615.0	10,393.7	20,079.1	9,695.3	83.0	92.3	4.52	10,485.3	-449.5	708.3	538.8	169.46	4.180	
20,700.0	10,394.0	20,173.6	9,693.6	83.6	93.1	4.53	10,579.8	-449.4	710.2	539.3	170.85	4.157	
20,710.0	10,394.1	20,184.5	9,693.5	83.7	93.2	4.52	10,590.7	-449.4	710.4	539.3	171.01	4.154	
20,800.0	10,394.5	20,267.1	9,692.2	84.3	93.9	4.48	10,673.3	-450.0	712.1	539.8	172.32	4.133	
20,805.0	10,394.5	20,271.5	9,692.1	84.4	94.0	4.47	10,677.7	-450.1	712.2	539.9	172.39	4.132	
20,900.0	10,394.9	20,373.4	9,690.0	85.1	94.8	4.37	10,779.6	-451.4	714.5	540.6	173.90	4.109	
20,995.0	10,395.3	20,457.3	9,688.2	85.8	95.6	4.25	10,863.4	-452.9	716.8	541.5	175.25	4.090	
21,000.0	10,395.3	20,461.6	9,688.1	85.8	95.6	4.24	10,867.7	-452.9	716.9	541.6	175.32	4.089	
21,090.0	10,395.6	20,537.7	9,685.1	86.5	96.2	4.20	10,943.7	-453.4	720.8	544.3	176.51	4.084	
21,100.0	10,395.7	20,546.1	9,684.7	86.6	96.3	4.20	10,952.1	-453.3	721.3	544.7	176.63	4.084	
21,185.0	10,396.0	20,618.5	9,680.5	87.2	96.9	4.24	11,024.4	-452.7	726.7	549.0	177.71	4.090	
21,200.0	10,396.1	20,631.3	9,679.6	87.3	97.0	4.24	11,037.2	-452.7	727.8	549.9	177.89	4.091	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
21,280.0	10,396.4	20,707.9	9,673.9	87.9	97.7	4.22	11,113.5	-452.5	734.1	555.1	179.04	4.100	
21,300.0	10,396.5	20,709.0	9,673.8	88.1	97.7	4.22	11,114.7	-452.5	735.9	557.1	178.89	4.114	
21,375.0	10,396.8	20,709.0	9,673.8	88.6	97.7	4.22	11,114.7	-452.5	747.5	570.3	177.19	4.219	
21,400.0	10,396.9	20,709.0	9,673.8	88.8	97.7	4.22	11,114.7	-452.5	753.0	576.7	176.29	4.272	
21,470.0	10,397.2	20,709.0	9,673.8	89.3	97.7	4.22	11,114.7	-452.5	772.5	599.5	173.00	4.465	
21,500.0	10,397.3	20,709.0	9,673.8	89.5	97.7	4.22	11,114.7	-452.5	782.6	611.3	171.29	4.569	
21,565.0	10,397.6	20,709.0	9,673.8	90.0	97.7	4.22	11,114.7	-452.5	807.9	640.8	167.10	4.835	
21,600.0	10,397.7	20,709.0	9,673.8	90.3	97.7	4.22	11,114.7	-452.5	823.3	658.7	164.63	5.001	
21,660.0	10,398.0	20,709.0	9,673.8	90.7	97.7	4.22	11,114.7	-452.5	852.5	692.3	160.17	5.322	
21,700.0	10,398.1	20,709.0	9,673.8	91.0	97.7	4.22	11,114.7	-452.5	873.6	716.6	157.10	5.561	
21,755.0	10,398.4	20,709.0	9,673.8	91.4	97.7	4.22	11,114.7	-452.5	904.9	752.1	152.80	5.922	
21,800.0	10,398.6	20,709.0	9,673.8	91.8	97.7	4.22	11,114.7	-452.5	932.0	782.7	149.29	6.243	
21,850.0	10,398.8	20,709.0	9,673.8	92.1	97.7	4.22	11,114.7	-452.5	963.8	818.4	145.43	6.627	
21,900.0	10,399.0	20,709.0	9,673.8	92.5	97.7	4.22	11,114.7	-452.5	997.0	855.4	141.65	7.039	
21,945.0	10,399.2	20,709.0	9,673.8	92.8	97.7	4.22	11,114.7	-452.5	1,028.1	889.8	138.34	7.432	
22,000.0	10,399.4	20,709.0	9,673.8	93.3	97.7	4.22	11,114.7	-452.5	1,067.5	933.0	134.44	7.940	
22,040.0	10,399.5	20,709.0	9,673.8	93.6	97.7	4.22	11,114.7	-452.5	1,096.9	965.2	131.70	8.329	
22,100.0	10,399.8	20,709.0	9,673.8	94.0	97.7	4.22	11,114.7	-452.5	1,142.3	1,014.6	127.78	8.940	
22,135.0	10,399.9	20,709.0	9,673.8	94.3	97.7	4.22	11,114.7	-452.5	1,169.4	1,043.8	125.59	9.312	
22,200.0	10,400.2	20,709.0	9,673.8	94.7	97.7	4.22	11,114.7	-452.5	1,220.8	1,099.1	121.72	10.029	
22,230.0	10,400.3	20,709.0	9,673.8	95.0	97.7	4.22	11,114.7	-452.5	1,244.9	1,124.9	120.02	10.372	
22,264.2	10,400.5	20,709.0	9,673.8	95.2	97.7	4.22	11,114.7	-452.5	1,272.8	1,154.6	118.15	10.773	
22,300.0	10,400.6	20,709.0	9,673.8	95.5	97.7	4.22	11,114.7	-452.5	1,302.2	1,185.9	116.26	11.200	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	8.6	8.6	3.0	3.0	-90.25	-1.8	-415.0	415.0				
95.0	95.0	104.1	104.1	3.0	3.0	-90.21	-1.5	-414.9	414.9	408.9	6.03	68.830	
100.0	100.0	109.2	109.2	3.0	3.0	-90.20	-1.5	-414.9	414.9	408.9	6.03	68.784	
116.2	116.2	124.7	124.7	3.0	3.0	-90.19	-1.4	-414.9	414.9	408.8	6.05	68.596	
190.0	190.0	194.7	194.7	3.1	3.0	-90.14	-1.0	-415.2	415.2	409.1	6.17	67.327	
200.0	200.0	204.2	204.2	3.2	3.0	-90.13	-0.9	-415.3	415.3	409.1	6.19	67.110	
285.0	285.0	286.7	286.7	3.3	3.1	-90.07	-0.5	-416.4	416.5	410.2	6.35	65.629	
300.0	300.0	301.3	301.3	3.3	3.1	-90.06	-0.4	-416.7	416.8	410.4	6.38	65.330	
380.0	380.0	379.3	379.2	3.4	3.2	-89.98	0.2	-418.2	418.3	411.8	6.55	63.834	
400.0	400.0	398.7	398.7	3.4	3.2	-89.95	0.4	-418.7	418.8	412.2	6.60	63.433	
475.0	475.0	472.5	472.5	3.5	3.3	-89.85	1.1	-420.5	420.7	413.9	6.79	61.974	
500.0	500.0	497.5	497.4	3.5	3.4	-89.82	1.3	-421.2	421.3	414.5	6.86	61.454	
570.0	570.0	567.0	566.9	3.6	3.5	-89.74	1.9	-423.0	423.2	416.2	7.05	60.032	
600.0	600.0	596.6	596.5	3.6	3.5	-89.71	2.1	-423.9	424.0	416.9	7.14	59.411	
665.0	665.0	661.8	661.7	3.7	3.7	-89.66	2.5	-425.7	425.9	418.6	7.33	58.078	
700.0	700.0	697.3	697.1	3.8	3.7	-89.65	2.6	-426.7	426.8	419.4	7.44	57.335	
760.0	760.0	760.3	760.1	3.8	3.9	-89.64	2.7	-428.2	428.3	420.6	7.64	56.028	
800.0	800.0	802.6	802.5	3.9	4.0	-89.66	2.6	-428.9	428.9	421.2	7.78	55.117	
855.0	855.0	859.1	858.9	4.0	4.1	-89.71	2.2	-429.6	429.6	421.7	7.94	54.131	
900.0	900.0	905.4	905.2	4.0	4.2	-89.77	1.7	-430.0	430.0	422.0	8.05	53.404	
950.0	950.0	957.4	957.2	4.1	4.2	-89.85	1.1	-430.3	430.3	422.2	8.15	52.789	
1,000.0	1,000.0	1,008.2	1,008.0	4.1	4.3	-89.93	0.5	-430.4	430.4	422.1	8.28	51.997	
1,045.0	1,045.0	1,053.9	1,053.7	4.2	4.4	-90.01	-0.1	-430.4	430.4	422.0	8.39	51.305	
1,100.0	1,100.0	1,109.9	1,109.7	4.3	4.5	-90.10	-0.8	-430.3	430.3	421.8	8.52	50.491	
1,140.0	1,140.0	1,150.5	1,150.3	4.3	4.5	-90.17	-1.3	-430.2	430.2	421.6	8.62	49.912	
1,200.0	1,200.0	1,211.1	1,210.9	4.4	4.7	-90.29	-2.2	-429.9	429.9	421.1	8.76	49.058	
1,235.0	1,235.0	1,246.7	1,246.5	4.4	4.7	-90.37	-2.8	-429.7	429.7	420.8	8.85	48.575	
1,300.0	1,300.0	1,313.3	1,313.0	4.5	4.8	-90.51	-3.8	-429.1	429.1	420.1	9.00	47.684	
1,330.0	1,330.0	1,345.0	1,344.8	4.5	4.9	-90.58	-4.3	-428.7	428.8	419.7	9.07	47.270	
1,400.0	1,400.0	1,419.4	1,419.1	4.6	5.0	-90.76	-5.7	-427.2	427.3	418.1	9.24	46.262	
1,425.0	1,425.0	1,444.4	1,444.2	4.6	5.1	-90.84	-6.2	-426.5	426.7	417.4	9.30	45.897	
1,500.0	1,500.0	1,519.4	1,519.1	4.7	5.2	-91.07	-7.9	-424.6	424.8	415.3	9.48	44.818	
1,520.0	1,520.0	1,539.1	1,538.7	4.7	5.3	-4.42	-8.3	-424.1	424.3	414.7	9.55	44.431	
1,600.0	1,600.0	1,618.3	1,618.0	4.8	5.5	-4.68	-10.1	-422.3	420.8	410.9	9.83	42.792	
1,615.0	1,615.0	1,633.6	1,633.2	4.8	5.5	-4.73	-10.4	-421.9	419.9	410.0	9.90	42.413	
1,700.0	1,699.8	1,719.9	1,719.5	5.0	5.7	-5.04	-12.0	-419.7	413.1	402.8	10.28	40.172	
1,710.0	1,709.8	1,730.1	1,729.6	5.0	5.7	-5.07	-12.2	-419.4	412.1	401.8	10.33	39.896	
1,800.0	1,799.5	1,814.6	1,814.2	5.2	6.0	-5.41	-13.7	-417.1	401.7	390.9	10.82	37.123	
1,805.0	1,804.4	1,818.6	1,818.1	5.2	6.0	-5.43	-13.8	-417.0	401.1	390.3	10.86	36.946	
1,900.0	1,898.7	1,897.3	1,896.7	5.5	6.5	-5.96	-16.4	-417.8	390.5	379.0	11.50	33.959	
1,995.0	1,992.8	1,999.6	1,999.0	5.8	6.7	-6.72	-20.0	-419.1	378.7	366.9	11.82	32.028	
2,000.0	1,997.7	2,004.5	2,003.9	5.8	6.7	-6.76	-20.1	-419.1	378.0	366.2	11.84	31.926	
2,090.0	2,086.9	2,094.2	2,093.6	6.0	6.9	-7.38	-22.6	-419.6	366.2	354.1	12.17	30.101	
2,100.0	2,096.8	2,104.7	2,104.1	6.0	6.9	-7.45	-22.9	-419.6	364.9	352.7	12.20	29.898	
2,185.0	2,180.9	2,195.4	2,194.7	6.3	7.1	-8.01	-24.6	-419.1	352.8	340.3	12.55	28.107	
2,200.0	2,195.8	2,212.2	2,211.5	6.3	7.1	-8.11	-24.9	-418.7	350.5	337.9	12.62	27.772	
2,280.0	2,275.0	2,300.0	2,299.2	6.6	7.3	-8.68	-26.2	-415.6	336.7	323.7	12.99	25.930	
2,300.0	2,294.8	2,321.3	2,320.5	6.6	7.4	-8.83	-26.5	-414.5	333.0	319.9	13.08	25.467	
2,375.0	2,369.1	2,392.7	2,391.8	6.8	7.5	-9.40	-27.7	-410.4	318.6	305.2	13.43	23.725	
2,400.0	2,393.8	2,413.9	2,413.0	6.9	7.6	-9.59	-28.2	-409.5	314.2	300.7	13.55	23.187	
2,470.0	2,463.2	2,474.4	2,473.5	7.2	7.8	-10.22	-29.9	-408.2	303.3	289.4	13.89	21.843	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,492.9	2,501.4	2,500.4	7.3	7.8	-10.52	-30.8	-408.1	299.2	285.2	14.02	21.338	
2,565.0	2,557.2	2,560.2	2,559.2	7.5	8.0	-11.23	-33.0	-408.5	291.1	276.8	14.31	20.351	
2,600.0	2,591.9	2,592.3	2,591.3	7.6	8.0	-11.63	-34.2	-409.2	287.3	272.8	14.44	19.900	
2,660.0	2,651.3	2,647.5	2,646.4	7.8	8.1	-12.29	-36.2	-411.2	281.5	266.8	14.67	19.194	
2,700.0	2,690.9	2,688.0	2,686.9	7.9	8.2	-12.78	-37.6	-412.8	277.9	263.1	14.82	18.757	
2,755.0	2,745.4	2,741.0	2,739.7	8.1	8.2	-13.44	-39.5	-414.9	272.8	257.8	15.02	18.159	
2,800.0	2,789.9	2,785.2	2,783.8	8.3	8.3	-13.98	-40.9	-416.8	268.9	253.7	15.20	17.685	
2,850.0	2,839.5	2,831.5	2,830.1	8.5	8.4	-14.50	-42.3	-419.4	265.2	249.8	15.41	17.213	
2,900.0	2,889.0	2,878.9	2,877.4	8.6	8.4	-15.01	-43.6	-422.6	262.0	246.4	15.61	16.784	
2,945.0	2,933.5	2,921.7	2,920.0	8.8	8.4	-15.47	-44.8	-425.8	259.6	243.8	15.80	16.431	
3,000.0	2,988.0	2,974.6	2,972.7	9.0	8.5	-16.03	-46.4	-430.3	257.1	241.1	16.04	16.027	
3,040.0	3,027.6	3,013.2	3,011.2	9.2	8.5	-16.44	-47.5	-433.8	255.5	239.3	16.22	15.755	
3,100.0	3,087.0	3,073.6	3,071.3	9.4	8.6	-17.09	-49.3	-439.4	253.4	236.9	16.51	15.351	
3,135.0	3,121.7	3,109.2	3,106.7	9.5	8.6	-17.49	-50.4	-442.6	252.0	235.4	16.68	15.113	
3,200.0	3,186.0	3,174.3	3,171.5	9.8	8.7	-18.25	-52.4	-448.3	249.4	232.4	17.00	14.669	
3,230.0	3,215.8	3,204.3	3,201.3	9.9	8.7	-18.62	-53.4	-450.9	248.2	231.1	17.15	14.470	
3,300.0	3,285.1	3,274.5	3,271.3	10.1	8.8	-19.51	-55.8	-456.9	245.4	227.9	17.52	14.005	
3,325.0	3,309.8	3,299.7	3,296.3	10.2	8.8	-19.83	-56.6	-459.1	244.4	226.7	17.65	13.844	
3,400.0	3,384.1	3,375.0	3,371.4	10.5	9.0	-20.79	-59.0	-465.4	241.2	223.2	18.05	13.367	
3,420.0	3,403.9	3,395.1	3,391.4	10.6	9.0	-21.05	-59.6	-467.0	240.4	222.2	18.16	13.236	
3,500.0	3,483.1	3,475.5	3,471.5	10.9	9.1	-22.13	-62.1	-473.5	236.9	218.3	18.61	12.730	
3,515.0	3,498.0	3,490.5	3,486.5	11.0	9.2	-22.34	-62.6	-474.7	236.3	217.6	18.70	12.636	
3,600.0	3,582.2	3,575.7	3,571.3	11.3	9.3	-23.51	-65.2	-481.3	232.5	213.3	19.18	12.120	
3,610.0	3,592.1	3,585.7	3,581.3	11.4	9.3	-23.65	-65.5	-482.1	232.0	212.8	19.24	12.060	
3,700.0	3,681.2	3,675.0	3,670.3	11.7	9.5	-24.94	-68.2	-489.1	228.1	208.4	19.76	11.545	
3,705.0	3,686.1	3,680.0	3,675.3	11.7	9.5	-25.01	-68.3	-489.5	227.9	208.1	19.79	11.518	
3,800.0	3,780.2	3,769.7	3,764.6	12.1	9.7	-26.38	-71.6	-497.4	225.0	204.7	20.35	11.056	
3,895.0	3,874.3	3,864.1	3,858.4	12.5	10.0	-27.82	-75.4	-507.0	223.7	202.8	20.93	10.690	
3,900.0	3,879.2	3,869.1	3,863.4	12.5	10.0	-27.90	-75.6	-507.5	223.6	202.7	20.96	10.671	
3,990.0	3,968.4	3,958.4	3,952.1	12.9	10.2	-29.30	-79.4	-516.6	222.5	201.0	21.50	10.350	
4,000.0	3,978.3	3,968.3	3,962.0	12.9	10.2	-29.46	-79.8	-517.6	222.4	200.8	21.56	10.316	
4,085.0	4,062.4	4,053.7	4,046.9	13.3	10.5	-30.85	-83.5	-526.3	221.5	199.5	22.07	10.037	
4,100.0	4,077.3	4,068.8	4,061.9	13.3	10.5	-31.10	-84.2	-527.8	221.4	199.2	22.16	9.989	
4,180.0	4,156.5	4,149.8	4,142.4	13.6	10.7	-32.51	-87.8	-535.5	220.3	197.7	22.64	9.733	
4,200.0	4,176.3	4,169.9	4,162.4	13.7	10.8	-32.88	-88.8	-537.4	220.0	197.3	22.75	9.670	
4,275.0	4,250.6	4,245.2	4,237.3	14.0	11.0	-34.28	-92.2	-544.1	218.9	195.7	23.19	9.440	
4,300.0	4,275.3	4,270.1	4,262.0	14.1	11.1	-34.76	-93.4	-546.3	218.5	195.2	23.33	9.367	
4,370.0	4,344.7	4,339.3	4,330.9	14.4	11.3	-36.13	-96.8	-552.4	217.6	193.9	23.71	9.177	
4,400.0	4,374.4	4,369.0	4,360.4	14.5	11.4	-36.74	-98.3	-555.1	217.3	193.5	23.88	9.102	
4,465.0	4,438.7	4,433.3	4,424.4	14.8	11.6	-38.09	-101.8	-560.8	216.9	192.7	24.22	8.955	
4,500.0	4,473.4	4,468.2	4,459.1	15.0	11.7	-38.85	-103.8	-563.9	216.8	192.4	24.40	8.884	
4,560.0	4,532.8	4,528.5	4,519.1	15.2	11.9	-40.19	-107.3	-569.1	216.6	191.9	24.71	8.766	
4,600.0	4,572.4	4,568.5	4,558.9	15.4	12.1	-41.10	-109.7	-572.5	216.5	191.6	24.90	8.692	
4,655.0	4,626.9	4,623.3	4,613.4	15.6	12.2	-42.41	-113.0	-576.9	216.3	191.2	25.16	8.599	
4,700.0	4,671.5	4,668.4	4,658.2	15.8	12.4	-43.52	-115.9	-580.5	216.3	191.0	25.36	8.530	
4,750.0	4,721.0	4,718.5	4,708.1	16.0	12.6	-44.79	-119.1	-584.3	216.3	190.7	25.56	8.461	
4,760.6	4,731.5	4,729.2	4,718.7	16.0	12.6	-45.06	-119.7	-585.1	216.3	190.7	25.61	8.447	CC
4,790.0	4,760.6	4,758.4	4,747.8	16.1	12.7	-45.81	-121.6	-587.3	216.3	190.6	25.72	8.410	
4,800.0	4,770.5	4,768.3	4,757.7	16.2	12.7	-46.07	-122.3	-588.0	216.3	190.6	25.75	8.400	ES
4,845.0	4,815.1	4,813.0	4,802.1	16.4	12.9	-47.20	-125.2	-591.3	216.7	190.7	25.93	8.357	
4,900.0	4,869.6	4,867.5	4,856.4	16.6	13.1	-48.50	-129.0	-595.3	217.5	191.4	26.13	8.323	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,909.4	4,907.2	4,895.9	16.8	13.2	-49.38	-131.7	-598.2	218.5	192.2	26.28	8.312	
5,000.0	4,969.0	4,968.1	4,956.5	17.0	13.4	-50.64	-135.9	-602.5	220.2	193.7	26.51	8.307	
5,035.0	5,003.8	5,003.9	4,992.1	17.1	13.6	-51.34	-138.3	-604.8	221.3	194.7	26.64	8.307	
5,100.0	5,068.6	5,070.3	5,058.2	17.4	13.8	-52.57	-142.6	-608.7	223.4	196.5	26.88	8.311	
5,130.0	5,098.5	5,100.9	5,088.8	17.5	13.9	-53.11	-144.6	-610.3	224.4	197.4	26.99	8.314	
5,200.0	5,168.3	5,172.1	5,159.8	17.7	14.1	-54.25	-149.0	-613.7	226.8	199.5	27.24	8.325	
5,225.0	5,193.2	5,197.6	5,185.2	17.8	14.2	-54.61	-150.5	-614.9	227.7	200.3	27.33	8.330	
5,300.0	5,268.1	5,270.6	5,257.9	18.1	14.5	-55.35	-154.5	-618.8	230.9	203.3	27.65	8.353	
5,320.0	5,288.1	5,289.9	5,277.2	18.2	14.5	-55.45	-155.5	-620.1	232.0	204.3	27.74	8.364	
5,400.0	5,368.0	5,370.8	5,357.7	18.4	14.8	-55.64	-159.5	-625.7	236.8	208.6	28.15	8.412	
5,415.0	5,383.0	5,386.0	5,372.9	18.5	14.9	-55.66	-160.2	-626.7	237.7	209.5	28.23	8.421	
5,500.0	5,468.0	5,469.5	5,456.1	18.7	15.2	-55.51	-164.1	-632.8	243.4	214.7	28.70	8.483	
5,510.0	5,478.0	5,479.2	5,465.8	18.7	15.2	-55.46	-164.5	-633.5	244.2	215.4	28.75	8.494	
5,590.0	5,558.0	5,557.7	5,543.9	18.8	15.5	-141.60	-167.9	-640.3	250.9	221.7	29.20	8.591	
5,600.0	5,568.0	5,567.4	5,553.6	18.8	15.5	-141.51	-168.4	-641.1	251.8	222.5	29.25	8.608	
5,605.0	5,573.0	5,572.3	5,558.5	18.8	15.5	-141.46	-168.6	-641.6	252.2	223.0	29.28	8.615	
5,700.0	5,668.0	5,667.9	5,653.6	18.9	15.8	-140.60	-172.9	-649.9	260.8	231.0	29.79	8.755	
5,795.0	5,763.0	5,761.6	5,746.8	18.9	16.2	-139.77	-176.8	-658.2	269.3	239.0	30.29	8.888	
5,800.0	5,768.0	5,766.5	5,751.7	18.9	16.2	-139.71	-177.0	-658.7	269.7	239.4	30.32	8.895	
5,890.0	5,858.0	5,857.0	5,841.7	18.9	16.5	-138.67	-180.0	-667.9	277.9	247.1	30.83	9.014	
5,900.0	5,868.0	5,867.1	5,851.7	19.0	16.5	-138.54	-180.2	-668.9	278.8	247.9	30.88	9.026	
5,985.0	5,953.0	5,952.5	5,936.7	19.0	16.8	-137.62	-182.8	-677.3	286.2	254.9	31.35	9.129	
6,000.0	5,968.0	5,967.6	5,951.7	19.0	16.8	-137.48	-183.3	-678.7	287.5	256.1	31.43	9.148	
6,080.0	6,048.0	6,048.6	6,032.4	19.0	17.1	-136.83	-186.0	-685.7	294.2	262.4	31.84	9.240	
6,100.0	6,068.0	6,069.0	6,052.7	19.0	17.2	-136.69	-186.7	-687.3	295.9	263.9	31.94	9.262	
6,175.0	6,143.0	6,145.5	6,128.9	19.1	17.4	-136.23	-189.4	-693.2	301.7	269.4	32.31	9.338	
6,200.0	6,168.0	6,170.5	6,153.8	19.1	17.5	-136.10	-190.3	-694.9	303.5	271.1	32.42	9.362	
6,270.0	6,238.0	6,239.4	6,222.5	19.1	17.8	-135.70	-192.5	-700.1	308.9	276.1	32.76	9.429	
6,300.0	6,268.0	6,269.2	6,252.2	19.1	17.9	-135.51	-193.5	-702.5	311.2	278.3	32.90	9.459	
6,365.0	6,333.0	6,334.3	6,317.0	19.1	18.1	-135.08	-195.4	-707.7	316.3	283.1	33.22	9.521	
6,400.0	6,368.0	6,370.9	6,353.5	19.2	18.2	-134.84	-196.4	-710.6	318.9	285.5	33.39	9.552	
6,460.0	6,428.0	6,434.7	6,417.2	19.2	18.4	-134.49	-198.0	-715.0	322.9	289.2	33.67	9.590	
6,500.0	6,468.0	6,476.3	6,458.7	19.2	18.5	-134.29	-198.8	-717.5	325.1	291.3	33.84	9.609	
6,555.0	6,523.0	6,533.4	6,515.7	19.2	18.7	-134.04	-199.9	-720.6	328.0	293.9	34.07	9.627	
6,600.0	6,568.0	6,584.7	6,566.9	19.2	18.8	-133.85	-200.5	-722.7	329.7	295.5	34.21	9.637	
6,650.0	6,618.0	6,638.3	6,620.5	19.3	19.0	-133.68	-200.5	-724.2	330.7	296.3	34.37	9.621	
6,700.0	6,668.0	6,683.6	6,665.8	19.3	19.1	-133.46	-200.4	-725.9	332.0	297.4	34.57	9.602	
6,745.0	6,713.0	6,720.0	6,702.1	19.3	19.2	-133.21	-200.3	-727.9	333.7	299.0	34.76	9.600	
6,800.0	6,768.0	6,772.4	6,754.4	19.3	19.3	-132.81	-200.5	-731.6	336.8	301.7	35.03	9.614	
6,840.0	6,808.0	6,807.4	6,789.3	19.3	19.5	-132.53	-201.0	-734.6	339.7	304.5	35.22	9.646	
6,900.0	6,868.0	6,871.6	6,853.2	19.4	19.7	-132.11	-202.4	-739.9	344.3	308.7	35.52	9.692	
6,935.0	6,903.0	6,910.2	6,891.8	19.4	19.8	-131.97	-203.4	-742.2	346.4	310.8	35.68	9.709	
7,000.0	6,968.0	6,970.5	6,951.9	19.4	20.0	-131.84	-205.4	-745.6	350.6	314.6	35.96	9.749	
7,030.0	6,998.0	6,998.3	6,979.7	19.4	20.1	-131.79	-206.6	-747.3	352.8	316.7	36.09	9.776	
7,100.0	7,068.0	7,062.7	7,043.8	19.5	20.4	-131.62	-209.3	-752.0	358.6	322.2	36.40	9.851	
7,125.0	7,093.0	7,085.7	7,066.6	19.5	20.4	-131.51	-210.3	-754.1	361.0	324.4	36.52	9.883	
7,200.0	7,168.0	7,167.2	7,147.8	19.5	20.8	-131.12	-213.3	-761.2	367.7	330.8	36.91	9.963	
7,220.0	7,188.0	7,189.8	7,170.4	19.5	20.8	-131.05	-214.0	-762.8	369.2	332.2	37.01	9.977	
7,300.0	7,268.0	7,258.8	7,239.1	19.5	21.1	-130.85	-216.8	-768.0	375.9	338.6	37.38	10.057	
7,315.0	7,283.0	7,271.6	7,251.8	19.6	21.2	-130.81	-217.5	-769.2	377.5	340.0	37.45	10.079	
7,400.0	7,368.0	7,355.9	7,335.6	19.6	21.5	-130.56	-222.2	-777.2	386.8	348.9	37.86	10.215	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,410.0	7,378.0	7,366.3	7,345.9	19.6	21.5	-130.53	-222.8	-778.2	387.8	349.9	37.91	10.230	
7,500.0	7,468.0	7,453.6	7,432.7	19.6	21.9	-130.24	-227.3	-786.5	397.4	359.0	38.34	10.365	
7,505.0	7,473.0	7,458.3	7,437.4	19.6	21.9	-130.22	-227.5	-787.0	397.9	359.5	38.36	10.373	
7,600.0	7,568.0	7,569.3	7,547.9	19.7	22.3	-129.86	-232.4	-796.7	407.0	368.1	38.88	10.468	
7,695.0	7,663.0	7,658.7	7,637.0	19.7	22.7	-129.76	-236.2	-802.4	414.2	375.0	39.29	10.544	
7,700.0	7,668.0	7,663.3	7,641.6	19.7	22.7	-129.75	-236.4	-802.7	414.7	375.4	39.31	10.549	
7,790.0	7,758.0	7,737.2	7,715.0	19.8	23.0	-129.40	-239.2	-810.2	423.9	384.1	39.76	10.661	
7,800.0	7,768.0	7,745.3	7,723.0	19.8	23.0	-129.34	-239.5	-811.2	425.1	385.3	39.81	10.679	
7,885.0	7,853.0	7,831.2	7,808.1	19.8	23.4	-128.75	-243.0	-822.6	436.1	395.8	40.29	10.824	
7,900.0	7,868.0	7,847.4	7,824.2	19.8	23.5	-128.70	-244.0	-824.3	437.9	397.5	40.37	10.847	
7,980.0	7,948.0	7,930.8	7,907.0	19.8	23.8	-128.76	-250.3	-831.5	447.1	406.3	40.73	10.976	
8,000.0	7,968.0	7,951.4	7,927.5	19.9	23.9	-128.86	-252.3	-832.8	449.2	408.4	40.81	11.009	
8,075.0	8,043.0	8,025.0	8,000.6	19.9	24.1	-129.08	-258.7	-838.0	457.5	416.4	41.10	11.131	
8,100.0	8,068.0	8,049.9	8,025.3	19.9	24.2	-129.09	-260.6	-840.1	460.3	419.1	41.21	11.169	
8,170.0	8,138.0	8,122.5	8,097.5	19.9	24.5	-128.96	-264.7	-846.8	467.8	426.3	41.54	11.261	
8,200.0	8,168.0	8,155.7	8,130.5	20.0	24.6	-128.83	-266.0	-850.1	470.9	429.2	41.70	11.293	
8,265.0	8,233.0	8,232.9	8,207.4	20.0	24.9	-128.59	-268.5	-856.5	476.4	434.4	42.03	11.334	
8,300.0	8,268.0	8,262.1	8,236.5	20.0	25.1	-128.52	-269.4	-858.6	479.1	436.9	42.19	11.355	
8,360.0	8,328.0	8,310.8	8,285.0	20.0	25.3	-128.39	-271.5	-862.9	484.8	442.3	42.46	11.417	
8,400.0	8,368.0	8,346.6	8,320.6	20.0	25.4	-128.29	-273.4	-866.5	489.3	446.6	42.64	11.474	
8,455.0	8,423.0	8,402.7	8,376.3	20.1	25.6	-128.15	-276.3	-872.3	495.5	452.6	42.91	11.547	
8,500.0	8,468.0	8,448.9	8,422.3	20.1	25.8	-128.03	-278.6	-876.9	500.4	457.3	43.13	11.603	
8,550.0	8,518.0	8,500.7	8,473.8	20.1	26.0	-127.93	-281.4	-881.8	505.7	462.4	43.37	11.662	
8,600.0	8,568.0	8,550.1	8,522.8	20.1	26.2	-127.88	-284.1	-886.1	510.9	467.3	43.60	11.719	
8,645.0	8,613.0	8,593.2	8,565.7	20.2	26.3	-127.84	-286.7	-889.9	515.7	471.9	43.80	11.775	
8,700.0	8,668.0	8,650.6	8,622.7	20.2	26.6	-127.79	-290.1	-895.1	521.6	477.6	44.05	11.841	
8,740.0	8,708.0	8,694.8	8,666.8	20.2	26.7	-127.75	-292.5	-898.8	525.6	481.3	44.24	11.879	
8,800.0	8,768.0	8,758.5	8,730.2	20.2	27.0	-127.68	-295.5	-903.7	531.0	486.5	44.52	11.928	
8,835.0	8,803.0	8,795.2	8,766.8	20.2	27.1	-127.65	-297.2	-906.4	534.0	489.3	44.68	11.953	
8,900.0	8,868.0	8,871.9	8,843.2	20.3	27.3	-127.39	-298.7	-912.3	538.8	493.9	44.87	12.008	
8,930.0	8,898.0	8,942.9	8,913.5	20.3	27.3	-126.46	-293.0	-919.3	539.9	495.1	44.84	12.040	
9,000.0	8,968.0	9,020.7	8,989.7	20.3	27.3	-124.79	-279.1	-926.9	538.1	493.1	45.04	11.949	
9,025.0	8,993.0	9,044.3	9,012.9	20.3	27.3	-124.31	-275.1	-929.0	537.6	492.5	45.11	11.916	
9,100.0	9,068.0	9,115.9	9,082.8	20.4	27.3	-122.73	-262.1	-936.2	536.3	491.0	45.35	11.826	
9,120.0	9,088.0	9,134.7	9,101.1	20.4	27.3	-122.25	-258.2	-938.5	536.1	490.7	45.41	11.805	
9,181.4	9,149.4	9,194.4	9,157.9	20.4	27.3	-120.27	-242.2	-947.8	535.8	490.1	45.64	11.740	
9,200.0	9,168.0	9,209.1	9,171.4	20.4	27.4	-119.65	-237.2	-950.7	535.8	490.1	45.72	11.720	
9,215.0	9,183.0	9,220.7	9,181.9	20.4	27.4	-119.13	-233.0	-953.2	536.0	490.3	45.78	11.708	
9,300.0	9,268.0	9,284.0	9,237.8	20.5	27.4	-115.98	-208.0	-969.1	539.9	493.8	46.10	11.710	
9,310.0	9,278.0	9,289.9	9,242.9	20.5	27.4	-115.66	-205.5	-970.8	540.6	494.5	46.13	11.719	
9,400.0	9,368.0	9,350.1	9,292.6	20.5	27.4	-112.14	-177.4	-989.5	551.0	504.7	46.29	11.903	
9,405.0	9,373.0	9,353.3	9,295.1	20.5	27.4	-111.93	-175.7	-990.6	551.8	505.5	46.30	11.919	
9,500.0	9,468.0	9,411.7	9,337.9	20.6	27.4	-107.88	-142.1	-1,012.0	570.8	524.6	46.19	12.357	
9,595.0	9,563.0	9,460.0	9,370.6	20.6	27.5	-104.38	-112.1	-1,030.9	598.2	552.4	45.82	13.056	
9,600.0	9,568.0	9,462.4	9,372.1	20.6	27.5	-104.21	-110.6	-1,031.9	599.9	554.1	45.79	13.100	
9,690.0	9,658.0	9,511.3	9,403.5	20.7	27.5	-100.67	-78.9	-1,052.1	634.1	588.8	45.26	14.010	
9,700.0	9,668.0	9,516.7	9,406.8	20.7	27.5	-100.27	-75.3	-1,054.3	638.2	593.1	45.19	14.123	
9,785.0	9,753.0	9,556.7	9,430.0	20.7	27.5	-97.30	-47.1	-1,070.6	677.0	632.4	44.58	15.188	
9,800.0	9,768.0	9,568.0	9,436.0	20.7	27.5	-96.44	-38.7	-1,075.1	684.5	640.0	44.45	15.399	
9,812.1	9,780.0	9,568.0	9,436.0	20.7	27.5	-96.44	-38.7	-1,075.1	690.6	646.2	44.37	15.565	
9,850.0	9,818.0	9,582.3	9,443.3	20.7	27.6	-92.91	-27.8	-1,080.8	710.6	666.3	44.24	16.063	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,880.0	9,847.8	9,593.7	9,448.8	20.7	27.6	-90.10	-18.8	-1,085.2	727.2	683.1	44.04	16.513	
9,900.0	9,867.6	9,601.2	9,452.3	20.7	27.6	-88.19	-12.8	-1,088.1	738.6	694.7	43.92	16.818	
9,950.0	9,916.6	9,621.6	9,461.1	20.7	27.6	-83.24	3.9	-1,095.8	768.1	724.4	43.65	17.596	
9,975.0	9,940.8	9,634.5	9,466.5	20.7	27.6	-80.62	14.5	-1,100.6	783.1	739.6	43.53	17.990	
10,000.0	9,964.6	9,647.6	9,471.8	20.7	27.6	-78.03	25.5	-1,105.5	798.3	754.8	43.43	18.381	
10,050.0	10,011.2	9,674.3	9,482.3	20.8	27.7	-73.06	48.1	-1,115.2	828.6	785.4	43.27	19.149	
10,070.0	10,029.4	9,684.9	9,486.2	20.8	27.7	-71.17	57.1	-1,119.0	840.7	797.5	43.23	19.449	
10,100.0	10,056.0	9,700.9	9,491.9	20.8	27.7	-68.44	71.0	-1,124.6	858.8	815.6	43.18	19.889	
10,150.0	10,098.7	9,725.0	9,499.8	20.8	27.7	-64.29	92.2	-1,132.9	888.5	845.3	43.15	20.589	
10,165.0	10,111.1	9,731.8	9,501.9	20.8	27.7	-63.12	98.3	-1,135.1	897.3	854.1	43.16	20.791	
10,200.0	10,139.0	9,757.0	9,508.9	20.8	27.8	-60.31	121.0	-1,143.4	917.6	874.4	43.14	21.271	
10,250.0	10,176.6	9,770.1	9,512.2	20.8	27.8	-57.16	133.0	-1,147.6	945.6	902.4	43.26	21.861	
10,260.0	10,183.7	9,774.5	9,513.3	20.8	27.8	-56.54	137.1	-1,149.0	951.1	907.8	43.28	21.978	
10,300.0	10,211.1	9,792.3	9,517.2	20.8	27.8	-54.17	153.4	-1,154.6	972.7	929.3	43.37	22.427	
10,350.0	10,242.4	9,816.3	9,521.8	20.9	27.8	-51.53	175.8	-1,162.2	998.4	954.9	43.51	22.946	
10,355.0	10,245.3	9,819.0	9,522.3	20.9	27.8	-51.28	178.2	-1,163.0	1,000.9	957.4	43.53	22.996	
10,400.0	10,270.1	9,852.0	9,527.5	20.9	27.9	-49.19	209.2	-1,173.2	1,022.7	979.0	43.64	23.433	
10,450.0	10,294.1	9,882.7	9,531.8	20.9	27.9	-47.27	238.2	-1,182.5	1,044.9	1,001.0	43.83	23.841	
10,500.0	10,314.2	9,926.4	9,537.4	21.0	28.0	-45.75	279.5	-1,195.2	1,064.4	1,020.4	44.00	24.192	
10,545.0	10,328.8	9,978.7	9,543.6	21.0	28.1	-44.78	329.4	-1,209.9	1,079.7	1,035.5	44.14	24.459	
10,550.0	10,330.2	9,986.5	9,544.3	21.0	28.1	-44.68	337.0	-1,211.8	1,081.2	1,037.0	44.15	24.489	
10,600.0	10,342.1	10,059.7	9,548.2	21.1	28.2	-43.77	408.7	-1,225.1	1,093.9	1,049.7	44.23	24.734	
10,640.0	10,348.5	10,114.1	9,550.8	21.1	28.3	-43.35	462.5	-1,233.1	1,101.2	1,056.8	44.32	24.847	
10,650.0	10,349.6	10,127.8	9,551.4	21.1	28.4	-43.29	476.1	-1,235.0	1,102.6	1,058.2	44.34	24.866	
10,700.0	10,352.9	10,161.7	9,552.7	21.2	28.4	-43.05	509.6	-1,239.7	1,108.2	1,063.5	44.66	24.813	
10,709.7	10,353.0	10,169.0	9,552.9	21.2	28.4	-43.04	516.8	-1,240.7	1,109.0	1,064.2	44.72	24.799	
10,735.0	10,353.1	10,187.9	9,553.4	21.3	28.5	-43.15	535.6	-1,243.3	1,110.9	1,066.1	44.87	24.760	
10,800.0	10,353.4	10,240.5	9,553.9	21.4	28.6	-43.42	587.6	-1,250.4	1,116.6	1,071.4	45.24	24.684	
10,830.0	10,353.5	10,266.9	9,553.9	21.5	28.6	-43.55	613.8	-1,254.0	1,119.4	1,074.0	45.41	24.654	
10,900.0	10,353.8	10,333.4	9,553.8	21.6	28.8	-43.87	679.7	-1,263.1	1,126.3	1,080.5	45.79	24.600	
10,925.0	10,353.9	10,361.6	9,553.6	21.7	28.9	-43.99	707.7	-1,266.7	1,128.8	1,082.8	45.91	24.586	
11,000.0	10,354.2	10,467.3	9,552.1	21.8	29.1	-44.32	812.8	-1,277.9	1,135.3	1,089.1	46.19	24.579	
11,020.0	10,354.3	10,501.8	9,551.5	21.9	29.2	-44.38	847.1	-1,280.3	1,136.5	1,090.3	46.23	24.584	
11,100.0	10,354.6	10,622.4	9,549.5	22.1	29.5	-44.40	967.7	-1,283.6	1,139.0	1,092.5	46.47	24.507	
11,115.0	10,354.7	10,636.5	9,549.2	22.1	29.5	-44.40	981.8	-1,283.8	1,139.3	1,092.7	46.57	24.463	
11,200.0	10,355.0	10,741.4	9,547.6	22.4	29.8	-44.35	1,086.7	-1,284.6	1,140.9	1,093.9	46.99	24.281	
11,210.0	10,355.1	10,759.8	9,547.7	22.4	29.8	-44.35	1,105.1	-1,284.7	1,140.9	1,093.9	47.00	24.272	
11,300.0	10,355.4	10,851.5	9,549.2	22.7	30.1	-44.38	1,196.7	-1,284.7	1,140.1	1,092.5	47.61	23.946	
11,305.0	10,355.4	10,855.8	9,549.3	22.7	30.1	-44.39	1,201.0	-1,284.8	1,140.0	1,092.4	47.65	23.926	
11,400.0	10,355.8	10,945.5	9,551.2	23.0	30.4	-44.49	1,290.7	-1,286.3	1,139.9	1,091.5	48.37	23.564	
11,408.1	10,355.9	10,953.4	9,551.4	23.0	30.4	-44.50	1,298.6	-1,286.5	1,139.9	1,091.4	48.44	23.534	
11,495.0	10,356.2	11,027.6	9,552.7	23.3	30.6	-44.59	1,372.7	-1,288.1	1,140.3	1,091.1	49.17	23.189	
11,500.0	10,356.2	11,031.6	9,552.7	23.3	30.6	-44.60	1,376.8	-1,288.2	1,140.3	1,091.1	49.22	23.170	
11,590.0	10,356.6	11,120.3	9,553.4	23.6	30.9	-44.69	1,465.5	-1,290.7	1,141.8	1,091.8	49.95	22.859	
11,600.0	10,356.7	11,132.0	9,553.4	23.7	31.0	-44.70	1,477.1	-1,290.9	1,141.9	1,091.9	50.02	22.828	
11,685.0	10,357.0	11,206.6	9,554.0	24.0	31.2	-44.76	1,551.7	-1,292.6	1,143.0	1,092.2	50.78	22.507	
11,700.0	10,357.1	11,217.6	9,554.1	24.1	31.3	-44.77	1,562.7	-1,293.0	1,143.3	1,092.4	50.93	22.449	
11,780.0	10,357.4	11,334.3	9,555.0	24.4	31.7	-44.93	1,679.3	-1,297.1	1,145.4	1,093.9	51.46	22.257	
11,800.0	10,357.5	11,335.4	9,554.9	24.5	31.7	-44.90	1,680.4	-1,296.4	1,145.0	1,093.3	51.73	22.134	
11,808.7	10,357.5	11,379.5	9,555.0	24.5	31.8	-44.87	1,724.5	-1,295.9	1,144.9	1,093.2	51.63	22.176	
11,875.0	10,357.8	11,454.9	9,554.6	24.8	32.1	-44.73	1,799.8	-1,292.6	1,143.1	1,091.0	52.16	21.914	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,900.0	10,357.9	11,478.0	9,554.4	24.9	32.2	-44.67	1,822.9	-1,291.3	1,142.4	1,090.0	52.40	21.802	
11,970.0	10,358.2	11,543.0	9,553.5	25.2	32.5	-44.49	1,887.8	-1,287.7	1,140.5	1,087.4	53.07	21.493	
12,000.0	10,358.3	11,569.3	9,552.9	25.3	32.6	-44.42	1,914.0	-1,286.3	1,139.8	1,086.5	53.36	21.360	
12,065.0	10,358.6	11,622.1	9,551.7	25.6	32.8	-44.27	1,966.8	-1,283.7	1,138.8	1,084.8	54.04	21.075	
12,100.0	10,358.7	11,654.1	9,550.7	25.8	32.9	-44.18	1,998.7	-1,282.3	1,138.6	1,084.2	54.38	20.935	
12,160.0	10,359.0	11,715.4	9,548.7	26.0	33.1	-43.99	2,059.9	-1,279.4	1,138.1	1,083.1	54.96	20.708	
12,200.0	10,359.1	11,783.3	9,547.4	26.2	33.4	-43.81	2,127.7	-1,276.2	1,137.5	1,082.3	55.21	20.602	
12,255.0	10,359.3	11,872.0	9,550.8	26.5	33.8	-43.79	2,216.3	-1,273.0	1,134.6	1,079.0	55.59	20.410	
12,300.0	10,359.5	11,930.6	9,554.0	26.7	34.1	-43.81	2,274.7	-1,270.5	1,131.5	1,075.6	55.97	20.216	
12,350.0	10,359.7	11,985.9	9,557.5	26.9	34.3	-43.82	2,329.8	-1,267.9	1,127.7	1,071.3	56.47	19.971	
12,400.0	10,359.9	12,039.1	9,561.1	27.2	34.5	-43.84	2,382.9	-1,265.3	1,123.6	1,066.7	56.98	19.720	
12,445.0	10,360.1	12,083.7	9,564.3	27.4	34.7	-43.87	2,427.3	-1,263.3	1,120.0	1,062.5	57.47	19.488	
12,500.0	10,360.4	12,130.9	9,567.8	27.7	35.0	-43.91	2,474.3	-1,261.3	1,115.5	1,057.4	58.12	19.195	
12,540.0	10,360.5	12,160.0	9,569.7	27.9	35.1	-43.93	2,503.3	-1,260.2	1,112.7	1,054.1	58.63	18.980	
12,600.0	10,360.8	12,206.0	9,572.0	28.2	35.3	-43.95	2,549.3	-1,258.7	1,109.3	1,049.9	59.37	18.684	
12,635.0	10,360.9	12,236.1	9,573.3	28.4	35.5	-43.95	2,579.4	-1,257.8	1,107.5	1,047.7	59.79	18.524	
12,700.0	10,361.2	12,297.7	9,575.4	28.7	35.8	-43.94	2,640.9	-1,255.6	1,104.5	1,043.9	60.54	18.245	
12,730.0	10,361.3	12,329.4	9,576.3	28.9	35.9	-43.92	2,672.5	-1,254.4	1,103.1	1,042.2	60.87	18.122	
12,800.0	10,361.6	12,397.0	9,578.4	29.3	36.3	-43.87	2,740.0	-1,251.6	1,099.6	1,038.0	61.68	17.829	
12,825.0	10,361.7	12,397.0	9,578.4	29.4	36.3	-43.87	2,740.0	-1,251.6	1,098.8	1,036.7	62.09	17.698	
12,900.0	10,362.0	12,454.4	9,579.1	29.8	36.6	-43.82	2,797.4	-1,249.8	1,096.9	1,033.9	63.03	17.404	
12,914.9	10,362.1	12,462.4	9,579.0	29.9	36.6	-43.81	2,805.4	-1,249.7	1,096.8	1,033.6	63.22	17.348	
12,920.0	10,362.1	12,465.2	9,579.0	29.9	36.6	-43.81	2,808.1	-1,249.7	1,096.8	1,033.6	63.29	17.330	
13,000.0	10,362.4	12,513.9	9,577.8	30.4	36.9	-43.75	2,856.9	-1,249.7	1,098.3	1,034.0	64.31	17.077	
13,015.0	10,362.5	12,524.9	9,577.4	30.5	37.0	-43.74	2,867.9	-1,249.7	1,098.8	1,034.3	64.50	17.035	
13,100.0	10,362.8	12,587.0	9,574.5	30.9	37.3	-43.65	2,929.9	-1,250.5	1,102.6	1,037.0	65.54	16.824	
13,110.0	10,362.9	12,596.5	9,573.9	31.0	37.4	-43.63	2,939.4	-1,250.7	1,103.1	1,037.5	65.66	16.802	
13,200.0	10,363.2	12,683.2	9,568.9	31.5	37.9	-43.50	3,025.9	-1,252.4	1,108.3	1,041.5	66.73	16.608	
13,205.0	10,363.3	12,692.7	9,568.4	31.5	37.9	-43.48	3,035.4	-1,252.6	1,108.5	1,041.8	66.79	16.599	
13,300.0	10,363.6	12,826.7	9,564.7	32.1	38.7	-43.38	3,169.3	-1,254.1	1,111.1	1,043.2	67.88	16.368	
13,395.0	10,364.0	12,923.3	9,563.7	32.6	39.3	-43.38	3,265.9	-1,255.6	1,112.9	1,043.9	69.06	16.116	
13,400.0	10,364.1	12,928.6	9,563.7	32.7	39.3	-43.39	3,271.1	-1,255.8	1,113.0	1,043.9	69.12	16.102	
13,490.0	10,364.4	13,021.1	9,566.2	33.2	39.9	-43.62	3,363.5	-1,260.2	1,114.4	1,044.2	70.27	15.860	
13,500.0	10,364.5	13,031.2	9,566.5	33.3	39.9	-43.65	3,373.7	-1,260.8	1,114.6	1,044.2	70.40	15.833	
13,585.0	10,364.8	13,116.2	9,569.0	33.8	40.4	-43.88	3,458.5	-1,265.1	1,115.9	1,044.4	71.50	15.607	
13,600.0	10,364.9	13,131.1	9,569.5	33.9	40.5	-43.92	3,473.3	-1,265.8	1,116.1	1,044.4	71.69	15.568	
13,680.0	10,365.2	13,213.7	9,572.0	34.4	41.1	-44.15	3,555.8	-1,270.0	1,117.3	1,044.6	72.73	15.361	
13,700.0	10,365.3	13,234.7	9,572.7	34.5	41.2	-44.20	3,576.8	-1,271.0	1,117.5	1,044.5	72.99	15.310	
13,775.0	10,365.6	13,299.8	9,574.2	34.9	41.6	-44.35	3,641.8	-1,273.8	1,118.7	1,044.7	73.99	15.119	
13,800.0	10,365.7	13,320.2	9,574.3	35.1	41.7	-44.37	3,662.2	-1,274.6	1,119.3	1,044.9	74.33	15.059	
13,870.0	10,366.0	13,385.4	9,573.7	35.5	42.2	-44.41	3,727.3	-1,276.5	1,121.3	1,046.1	75.25	14.902	
13,900.0	10,366.1	13,416.4	9,573.3	35.7	42.4	-44.42	3,758.3	-1,277.4	1,122.2	1,046.5	75.64	14.836	
13,965.0	10,366.4	13,480.3	9,572.4	36.1	42.8	-44.43	3,822.2	-1,278.9	1,124.0	1,047.6	76.49	14.694	
14,000.0	10,366.5	13,513.6	9,571.8	36.3	43.0	-44.43	3,855.5	-1,279.7	1,125.1	1,048.2	76.96	14.620	
14,060.0	10,366.8	13,573.1	9,570.6	36.7	43.4	-44.42	3,915.0	-1,281.0	1,127.0	1,049.3	77.75	14.495	
14,100.0	10,366.9	13,613.9	9,569.7	37.0	43.7	-44.41	3,955.8	-1,281.8	1,128.3	1,050.0	78.28	14.413	
14,155.0	10,367.2	13,666.0	9,568.7	37.3	44.0	-44.41	4,007.8	-1,283.0	1,130.0	1,051.0	79.02	14.301	
14,200.0	10,367.3	13,706.9	9,567.8	37.6	44.3	-44.41	4,048.7	-1,284.1	1,131.6	1,052.0	79.62	14.213	
14,250.0	10,367.5	13,757.3	9,566.7	37.9	44.6	-44.40	4,099.1	-1,285.5	1,133.5	1,053.2	80.29	14.117	
14,300.0	10,367.7	13,811.1	9,565.5	38.2	45.0	-44.40	4,152.9	-1,286.9	1,135.2	1,054.2	80.96	14.022	
14,345.0	10,367.9	13,862.6	9,564.7	38.5	45.3	-44.41	4,204.3	-1,288.1	1,136.6	1,055.0	81.57	13.934	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,400.0	10,368.2	13,926.0	9,564.3	38.9	45.8	-44.44	4,267.7	-1,289.7	1,137.9	1,055.6	82.31	13.824	
14,440.0	10,368.3	13,970.4	9,564.4	39.1	46.1	-44.47	4,312.0	-1,290.9	1,138.6	1,055.7	82.85	13.742	
14,500.0	10,368.6	14,040.6	9,565.0	39.5	46.6	-44.54	4,382.3	-1,292.6	1,139.4	1,055.7	83.67	13.618	
14,535.0	10,368.7	14,085.0	9,565.5	39.8	46.9	-44.57	4,426.6	-1,293.3	1,139.5	1,055.3	84.13	13.543	
14,600.0	10,369.0	14,171.8	9,567.2	40.2	47.5	-44.62	4,513.4	-1,293.5	1,138.8	1,053.8	84.98	13.401	
14,630.0	10,369.1	14,212.6	9,568.5	40.4	47.8	-44.65	4,554.2	-1,293.3	1,138.1	1,052.7	85.36	13.333	
14,700.0	10,369.4	14,278.1	9,571.3	40.8	48.2	-44.74	4,619.7	-1,293.5	1,136.2	1,049.9	86.35	13.158	
14,725.0	10,369.5	14,302.9	9,572.6	41.0	48.4	-44.80	4,644.4	-1,293.9	1,135.6	1,048.9	86.70	13.098	
14,800.0	10,369.8	14,380.8	9,577.0	41.5	48.9	-44.98	4,722.2	-1,295.1	1,133.6	1,045.8	87.75	12.918	
14,820.0	10,369.9	14,401.2	9,578.1	41.6	49.1	-45.03	4,742.6	-1,295.5	1,133.0	1,045.0	88.03	12.871	
14,900.0	10,370.2	14,481.3	9,582.7	42.2	49.7	-45.22	4,822.5	-1,296.7	1,130.8	1,041.6	89.16	12.682	
14,915.0	10,370.3	14,497.9	9,583.7	42.3	49.8	-45.26	4,839.1	-1,296.9	1,130.3	1,040.9	89.37	12.648	
15,000.0	10,370.6	14,582.0	9,589.6	42.8	50.4	-45.51	4,923.0	-1,298.4	1,127.3	1,036.8	90.59	12.445	
15,010.0	10,370.7	14,599.7	9,590.9	42.9	50.5	-45.57	4,940.6	-1,298.8	1,126.9	1,036.2	90.70	12.424	
15,100.0	10,371.0	14,676.0	9,595.2	43.5	51.0	-45.75	5,016.8	-1,300.0	1,124.6	1,032.5	92.03	12.219	
15,105.0	10,371.1	14,676.0	9,595.2	43.5	51.0	-45.75	5,016.8	-1,300.0	1,124.5	1,032.3	92.12	12.207	
15,200.0	10,371.4	14,750.2	9,597.5	44.2	51.6	-45.86	5,090.9	-1,301.3	1,123.7	1,030.1	93.52	12.016	
15,202.9	10,371.5	14,752.6	9,597.5	44.2	51.6	-45.87	5,093.3	-1,301.3	1,123.7	1,030.1	93.56	12.010	
15,295.0	10,371.8	14,821.4	9,598.1	44.8	52.1	-45.92	5,162.1	-1,302.6	1,124.5	1,029.7	94.89	11.851	
15,300.0	10,371.9	14,825.1	9,598.1	44.8	52.1	-45.92	5,165.8	-1,302.7	1,124.6	1,029.7	94.96	11.843	
15,390.0	10,372.2	14,902.9	9,595.9	45.5	52.7	-45.86	5,243.5	-1,303.8	1,127.4	1,031.2	96.23	11.716	
15,400.0	10,372.3	14,913.8	9,595.5	45.5	52.8	-45.85	5,254.5	-1,303.9	1,127.7	1,031.4	96.37	11.702	
15,485.0	10,372.6	15,001.6	9,592.7	46.1	53.4	-45.75	5,342.2	-1,304.6	1,130.2	1,032.7	97.58	11.583	
15,500.0	10,372.7	15,016.2	9,592.3	46.2	53.5	-45.74	5,356.7	-1,304.8	1,130.7	1,032.9	97.79	11.562	
15,580.0	10,373.0	15,091.4	9,590.3	46.8	54.1	-45.69	5,432.0	-1,306.0	1,133.2	1,034.2	98.93	11.454	
15,600.0	10,373.1	15,109.7	9,589.8	46.9	54.2	-45.68	5,450.2	-1,306.3	1,133.9	1,034.7	99.21	11.428	
15,675.0	10,373.4	15,176.4	9,587.5	47.4	54.7	-45.63	5,516.9	-1,307.5	1,136.8	1,036.5	100.27	11.337	
15,700.0	10,373.5	15,200.9	9,586.5	47.6	54.9	-45.60	5,541.4	-1,307.9	1,137.8	1,037.2	100.63	11.307	
15,770.0	10,373.8	15,272.2	9,583.2	48.1	55.5	-45.50	5,612.6	-1,308.8	1,140.8	1,039.2	101.63	11.225	
15,800.0	10,373.9	15,297.9	9,581.9	48.3	55.7	-45.46	5,638.3	-1,309.1	1,142.1	1,040.1	102.05	11.191	
15,865.0	10,374.2	15,352.6	9,579.0	48.7	56.1	-45.37	5,692.9	-1,309.9	1,145.4	1,042.4	102.96	11.125	
15,900.0	10,374.3	15,392.9	9,576.7	49.0	56.4	-45.31	5,733.1	-1,310.7	1,147.3	1,043.8	103.47	11.088	
15,960.0	10,374.6	15,521.1	9,573.7	49.4	57.4	-45.22	5,861.3	-1,312.0	1,149.1	1,044.8	104.37	11.010	
16,000.0	10,374.7	15,593.9	9,575.4	49.7	57.9	-45.22	5,934.0	-1,310.6	1,147.9	1,043.0	104.86	10.947	
16,055.0	10,375.0	15,659.8	9,577.7	50.0	58.4	-45.22	5,999.8	-1,308.8	1,145.5	1,039.9	105.61	10.846	
16,100.0	10,375.1	15,725.1	9,580.4	50.3	58.9	-45.21	6,065.0	-1,306.1	1,143.0	1,036.8	106.16	10.767	
16,150.0	10,375.3	15,780.8	9,582.9	50.7	59.3	-45.17	6,120.6	-1,303.0	1,139.5	1,032.6	106.85	10.665	
16,200.0	10,375.6	15,827.7	9,584.9	51.0	59.6	-45.14	6,167.4	-1,300.4	1,136.0	1,028.4	107.59	10.559	
16,245.0	10,375.7	15,872.5	9,586.9	51.4	60.0	-45.12	6,212.0	-1,297.9	1,133.0	1,024.8	108.25	10.467	
16,300.0	10,376.0	15,928.8	9,589.4	51.7	60.4	-45.09	6,268.3	-1,294.9	1,129.2	1,020.2	109.04	10.356	
16,340.0	10,376.1	15,973.7	9,591.5	52.0	60.7	-45.07	6,313.0	-1,292.5	1,126.4	1,016.8	109.59	10.279	
16,400.0	10,376.4	16,032.0	9,594.9	52.4	61.2	-45.06	6,371.1	-1,289.3	1,121.8	1,011.3	110.48	10.154	
16,435.0	10,376.5	16,059.6	9,596.5	52.7	61.4	-45.07	6,398.6	-1,288.0	1,119.3	1,008.3	111.04	10.080	
16,500.0	10,376.8	16,100.3	9,598.5	53.1	61.7	-45.09	6,439.3	-1,286.9	1,115.8	1,003.6	112.13	9.951	
16,530.0	10,376.9	16,127.0	9,599.7	53.4	61.9	-45.12	6,465.9	-1,286.6	1,114.6	1,002.0	112.59	9.900	
16,600.0	10,377.2	16,183.0	9,602.0	53.8	62.3	-45.18	6,521.9	-1,286.5	1,112.5	998.8	113.68	9.787	
16,625.0	10,377.3	16,207.4	9,603.0	54.0	62.5	-45.21	6,546.3	-1,286.4	1,111.8	997.8	114.05	9.748	
16,700.0	10,377.6	16,264.0	9,605.1	54.6	62.9	-45.28	6,602.9	-1,286.7	1,110.2	995.0	115.21	9.637	
16,720.0	10,377.7	16,278.0	9,605.5	54.7	63.0	-45.30	6,616.8	-1,286.8	1,110.1	994.6	115.52	9.610	
16,741.5	10,377.8	16,293.1	9,605.8	54.8	63.2	-45.32	6,631.9	-1,287.1	1,110.0	994.2	115.84	9.582	
16,800.0	10,378.0	16,337.9	9,606.7	55.3	63.5	-45.39	6,676.7	-1,288.3	1,110.4	993.7	116.72	9.514	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,815.0	10,378.1	16,350.6	9,606.9	55.4	63.6	-45.41	6,689.4	-1,288.7	1,110.6	993.7	116.94	9.497	
16,900.0	10,378.4	16,411.0	9,607.9	56.0	64.1	-45.52	6,749.7	-1,291.2	1,112.4	994.2	118.17	9.413	
16,910.0	10,378.5	16,411.0	9,607.9	56.0	64.1	-45.52	6,749.7	-1,291.2	1,112.8	994.5	118.29	9.408	
17,000.0	10,378.8	16,480.1	9,607.7	56.7	64.6	-45.64	6,818.7	-1,295.2	1,117.0	997.5	119.55	9.344	
17,005.0	10,378.9	16,483.1	9,607.6	56.7	64.7	-45.65	6,821.7	-1,295.4	1,117.3	997.7	119.61	9.341	
17,100.0	10,379.3	16,557.8	9,605.1	57.4	65.3	-45.74	6,896.1	-1,301.0	1,124.8	1,003.9	120.90	9.303	
17,195.0	10,379.6	16,645.1	9,601.4	58.1	66.0	-45.83	6,983.1	-1,307.8	1,133.0	1,010.8	122.27	9.267	
17,200.0	10,379.7	16,649.8	9,601.2	58.1	66.0	-45.83	6,987.7	-1,308.2	1,133.5	1,011.1	122.34	9.265	
17,290.0	10,380.0	16,731.5	9,597.3	58.7	66.7	-45.91	7,069.1	-1,314.9	1,141.9	1,018.3	123.62	9.237	
17,300.0	10,380.1	16,740.4	9,596.8	58.8	66.7	-45.91	7,078.0	-1,315.6	1,142.9	1,019.1	123.76	9.234	
17,385.0	10,380.4	16,866.2	9,590.0	59.4	67.7	-45.95	7,203.3	-1,324.6	1,151.0	1,025.7	125.33	9.184	
17,400.0	10,380.5	16,864.1	9,590.3	59.5	67.7	-45.95	7,201.2	-1,324.1	1,151.6	1,026.2	125.45	9.180	
17,480.0	10,380.8	16,984.6	9,585.9	60.1	68.7	-45.92	7,321.5	-1,328.4	1,155.5	1,028.7	126.86	9.109	
17,500.0	10,380.9	17,012.3	9,585.1	60.2	68.9	-45.90	7,349.2	-1,329.1	1,156.3	1,029.1	127.18	9.092	
17,575.0	10,381.2	17,103.4	9,584.1	60.8	69.6	-45.92	7,440.3	-1,331.2	1,158.2	1,029.8	128.35	9.024	
17,600.0	10,381.3	17,126.7	9,584.0	61.0	69.8	-45.93	7,463.5	-1,331.8	1,158.8	1,030.0	128.72	9.002	
17,670.0	10,381.6	17,192.2	9,583.8	61.5	70.4	-45.98	7,529.0	-1,333.7	1,160.5	1,030.8	129.77	8.943	
17,700.0	10,381.7	17,220.6	9,583.6	61.7	70.6	-46.00	7,557.4	-1,334.6	1,161.4	1,031.1	130.22	8.919	
17,765.0	10,382.0	17,281.0	9,583.3	62.2	71.1	-46.04	7,617.8	-1,336.7	1,163.3	1,032.1	131.19	8.867	
17,800.0	10,382.1	17,311.7	9,583.1	62.4	71.3	-46.07	7,648.5	-1,337.9	1,164.5	1,032.8	131.71	8.842	
17,860.0	10,382.4	17,365.7	9,582.6	62.8	71.7	-46.12	7,702.4	-1,340.3	1,166.8	1,034.2	132.60	8.800	
17,900.0	10,382.5	17,423.7	9,582.5	63.1	72.2	-46.19	7,760.4	-1,342.7	1,168.2	1,034.9	133.26	8.766	
17,955.0	10,382.8	17,494.7	9,583.3	63.5	72.8	-46.28	7,831.4	-1,345.0	1,169.1	1,035.0	134.13	8.717	
18,000.0	10,382.9	17,547.7	9,583.9	63.8	73.2	-46.33	7,884.3	-1,346.2	1,169.5	1,034.7	134.82	8.675	
18,050.0	10,383.2	17,595.2	9,584.5	64.2	73.6	-46.37	7,931.7	-1,347.0	1,169.8	1,034.2	135.58	8.628	
18,100.0	10,383.4	17,641.7	9,585.1	64.6	74.0	-46.42	7,978.3	-1,348.1	1,170.3	1,033.9	136.34	8.584	
18,145.0	10,383.5	17,683.6	9,585.7	64.9	74.3	-46.47	8,020.2	-1,349.2	1,170.8	1,033.8	137.02	8.545	
18,200.0	10,383.8	17,734.8	9,586.3	65.3	74.7	-46.53	8,071.3	-1,350.8	1,171.6	1,033.7	137.86	8.499	
18,240.0	10,383.9	17,776.3	9,587.0	65.6	75.1	-46.60	8,112.8	-1,352.3	1,172.2	1,033.7	138.47	8.465	
18,300.0	10,384.2	17,841.5	9,588.9	66.0	75.6	-46.75	8,177.9	-1,355.1	1,173.0	1,033.6	139.40	8.415	
18,335.0	10,384.3	17,892.3	9,590.4	66.3	76.0	-46.84	8,228.7	-1,356.7	1,173.1	1,033.2	139.95	8.383	
18,400.0	10,384.6	17,983.0	9,592.4	66.7	76.7	-46.89	8,319.3	-1,356.6	1,172.2	1,031.3	140.89	8.320	
18,430.0	10,384.7	18,023.5	9,593.5	67.0	77.0	-46.90	8,359.8	-1,356.0	1,171.3	1,030.0	141.32	8.289	
18,500.0	10,385.0	18,100.0	9,596.0	67.5	77.7	-46.92	8,436.3	-1,354.3	1,168.8	1,026.4	142.35	8.210	
18,525.0	10,385.1	18,127.1	9,596.9	67.6	77.9	-46.92	8,463.3	-1,353.6	1,167.8	1,025.0	142.72	8.182	
18,600.0	10,385.4	18,207.3	9,599.7	68.2	78.5	-46.92	8,543.5	-1,351.2	1,164.5	1,020.7	143.84	8.096	
18,620.0	10,385.5	18,228.1	9,600.4	68.3	78.7	-46.92	8,564.2	-1,350.6	1,163.6	1,019.4	144.14	8.073	
18,700.0	10,385.8	18,309.5	9,601.8	68.9	79.3	-46.82	8,645.5	-1,346.4	1,159.8	1,014.5	145.33	7.980	
18,715.0	10,385.9	18,324.5	9,601.7	69.0	79.4	-46.78	8,660.4	-1,345.4	1,159.1	1,013.5	145.56	7.963	
18,800.0	10,386.2	18,409.3	9,600.5	69.6	80.1	-46.49	8,744.9	-1,338.6	1,155.1	1,008.3	146.83	7.867	
18,810.0	10,386.3	18,420.5	9,600.3	69.7	80.2	-46.44	8,756.1	-1,337.7	1,154.6	1,007.6	146.97	7.856	
18,900.0	10,386.6	18,519.6	9,601.1	70.4	81.0	-46.22	8,855.0	-1,330.9	1,149.8	1,001.6	148.26	7.755	
18,905.0	10,386.7	18,524.7	9,601.2	70.4	81.0	-46.21	8,860.1	-1,330.7	1,149.6	1,001.2	148.34	7.750	
19,000.0	10,387.1	18,622.1	9,603.9	71.1	81.8	-46.10	8,957.3	-1,325.3	1,144.1	994.4	149.76	7.640	
19,095.0	10,387.4	18,722.5	9,606.5	71.8	82.6	-45.96	9,057.4	-1,319.2	1,138.3	987.2	151.15	7.531	
19,100.0	10,387.5	18,727.7	9,606.7	71.8	82.6	-45.95	9,062.7	-1,318.8	1,138.0	986.8	151.22	7.525	
19,190.0	10,387.8	18,821.0	9,609.5	72.5	83.4	-45.83	9,155.8	-1,312.9	1,132.1	979.6	152.56	7.421	
19,200.0	10,387.9	18,831.2	9,609.8	72.6	83.5	-45.81	9,165.9	-1,312.2	1,131.5	978.8	152.71	7.409	
19,285.0	10,388.2	18,915.0	9,612.6	73.2	84.1	-45.71	9,249.5	-1,306.9	1,125.8	971.8	154.00	7.310	
19,300.0	10,388.3	18,929.3	9,613.0	73.3	84.2	-45.69	9,263.7	-1,306.0	1,124.8	970.6	154.23	7.293	
19,380.0	10,388.6	19,007.8	9,615.2	73.9	84.9	-45.57	9,342.1	-1,301.0	1,119.7	964.2	155.45	7.203	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,400.0	10,388.7	19,028.5	9,615.8	74.0	85.0	-45.54	9,362.7	-1,299.6	1,118.4	962.6	155.75	7.181	
19,475.0	10,389.0	19,091.1	9,617.5	74.6	85.5	-45.44	9,425.1	-1,295.6	1,113.7	956.7	156.98	7.095	
19,500.0	10,389.1	19,106.8	9,617.7	74.8	85.7	-45.42	9,440.8	-1,294.7	1,112.4	955.0	157.41	7.067	
19,570.0	10,389.4	19,163.0	9,617.4	75.3	86.1	-45.29	9,497.0	-1,291.9	1,110.2	951.7	158.54	7.003	
19,600.0	10,389.5	19,172.9	9,617.2	75.5	86.2	-45.26	9,506.8	-1,291.4	1,109.6	950.5	159.06	6.976	
19,665.0	10,389.8	19,234.2	9,615.9	76.0	86.7	-45.11	9,568.1	-1,288.8	1,108.7	948.7	160.05	6.928	
19,700.0	10,389.9	19,266.9	9,615.1	76.2	87.0	-45.02	9,600.7	-1,287.5	1,108.3	947.8	160.58	6.902	
19,760.0	10,390.2	19,321.7	9,613.9	76.7	87.4	-44.90	9,655.5	-1,285.6	1,107.9	946.4	161.49	6.861	
19,800.0	10,390.3	19,359.3	9,613.0	77.0	87.7	-44.82	9,693.1	-1,284.5	1,107.8	945.7	162.10	6.834	
19,855.0	10,390.6	19,417.3	9,611.5	77.4	88.2	-44.67	9,751.0	-1,282.5	1,107.6	944.7	162.93	6.798	
19,900.0	10,390.8	19,461.0	9,610.0	77.7	88.5	-44.54	9,794.6	-1,280.6	1,107.4	943.8	163.61	6.768	
19,927.0	10,390.9	19,483.8	9,609.2	77.9	88.7	-44.47	9,817.4	-1,279.6	1,107.3	943.3	164.01	6.751	
19,950.0	10,391.0	19,503.3	9,608.4	78.1	88.9	-44.41	9,836.8	-1,278.8	1,107.3	943.0	164.36	6.737	
20,000.0	10,391.2	19,546.4	9,606.5	78.4	89.2	-44.27	9,879.9	-1,277.2	1,107.7	942.6	165.11	6.709	
20,045.0	10,391.3	19,591.7	9,604.4	78.8	89.6	-44.12	9,925.1	-1,275.6	1,108.1	942.3	165.78	6.684	
20,100.0	10,391.6	19,646.4	9,602.0	79.2	90.1	-43.95	9,979.8	-1,273.7	1,108.6	942.0	166.61	6.654	
20,140.0	10,391.7	19,684.6	9,601.0	79.5	90.4	-43.89	10,017.9	-1,273.2	1,109.0	941.8	167.22	6.632	
20,200.0	10,392.0	19,753.2	9,601.7	79.9	90.9	-43.97	10,086.5	-1,274.9	1,109.7	941.6	168.16	6.599	
20,235.0	10,392.1	19,818.9	9,604.3	80.2	91.5	-44.10	10,152.1	-1,276.3	1,109.4	940.7	168.68	6.577	
20,300.0	10,392.4	19,908.7	9,609.4	80.7	92.2	-44.28	10,241.7	-1,276.8	1,107.0	937.4	169.59	6.528	
20,330.0	10,392.5	19,937.3	9,611.2	80.9	92.4	-44.33	10,270.3	-1,276.7	1,105.6	935.5	170.07	6.501	
20,400.0	10,392.8	19,993.4	9,614.3	81.4	92.9	-44.43	10,326.3	-1,276.6	1,102.9	931.7	171.23	6.441	
20,425.0	10,392.9	20,014.0	9,615.2	81.6	93.1	-44.46	10,346.9	-1,276.6	1,102.1	930.5	171.63	6.421	
20,500.0	10,393.2	20,088.3	9,618.2	82.1	93.7	-44.55	10,421.2	-1,276.5	1,100.0	927.2	172.80	6.366	
20,520.0	10,393.3	20,107.0	9,618.9	82.3	93.8	-44.57	10,439.8	-1,276.4	1,099.5	926.4	173.12	6.351	
20,600.0	10,393.6	20,162.7	9,620.4	82.9	94.3	-44.62	10,495.5	-1,276.6	1,098.2	923.8	174.40	6.297	
20,615.0	10,393.7	20,172.9	9,620.6	83.0	94.4	-44.62	10,505.7	-1,276.6	1,098.1	923.5	174.64	6.288	
20,616.2	10,393.7	20,173.7	9,620.6	83.0	94.4	-44.62	10,506.5	-1,276.7	1,098.1	923.5	174.65	6.288	
20,700.0	10,394.0	20,239.2	9,620.7	83.6	94.9	-44.65	10,572.0	-1,277.6	1,099.0	923.1	175.92	6.247	
20,710.0	10,394.1	20,247.9	9,620.7	83.7	95.0	-44.65	10,580.7	-1,277.8	1,099.2	923.1	176.07	6.243	
20,800.0	10,394.5	20,330.8	9,620.1	84.3	95.7	-44.68	10,663.6	-1,279.7	1,101.2	923.7	177.44	6.206	
20,805.0	10,394.5	20,335.8	9,620.1	84.4	95.7	-44.68	10,668.6	-1,279.8	1,101.3	923.8	177.52	6.204	
20,900.0	10,394.9	20,429.5	9,619.7	85.1	96.5	-44.75	10,762.3	-1,282.5	1,103.6	924.6	178.99	6.166	
20,995.0	10,395.3	20,521.0	9,619.0	85.8	97.3	-44.80	10,853.7	-1,285.0	1,106.2	925.7	180.46	6.130	
21,000.0	10,395.3	20,525.7	9,618.9	85.8	97.3	-44.80	10,858.4	-1,285.2	1,106.3	925.8	180.53	6.128	
21,090.0	10,395.6	20,612.6	9,617.8	86.5	98.0	-44.83	10,945.2	-1,287.6	1,109.1	927.2	181.91	6.097	
21,100.0	10,395.7	20,622.4	9,617.6	86.6	98.1	-44.83	10,955.0	-1,287.9	1,109.4	927.3	182.07	6.093	
21,185.0	10,396.0	20,704.1	9,615.7	87.2	98.8	-44.80	11,036.7	-1,289.5	1,112.2	928.8	183.36	6.065	
21,200.0	10,396.1	20,717.9	9,615.2	87.3	98.9	-44.78	11,050.5	-1,289.7	1,112.7	929.1	183.59	6.061	
21,280.0	10,396.4	20,799.5	9,610.9	87.9	99.6	-44.61	11,132.0	-1,289.6	1,115.7	930.9	184.82	6.037	
21,300.0	10,396.5	20,824.8	9,609.6	88.1	99.8	-44.55	11,157.2	-1,289.3	1,116.4	931.2	185.15	6.030	
21,375.0	10,396.8	20,937.9	9,608.1	88.6	100.7	-44.44	11,270.2	-1,288.6	1,116.6	930.2	186.39	5.991	
21,400.0	10,396.9	20,998.9	9,610.0	88.8	101.2	-44.48	11,331.3	-1,288.2	1,115.9	929.2	186.69	5.977	
21,470.0	10,397.2	21,080.5	9,613.1	89.3	101.9	-44.50	11,412.7	-1,286.3	1,112.9	925.2	187.71	5.929	
21,500.0	10,397.3	21,114.6	9,614.6	89.5	102.2	-44.52	11,446.8	-1,285.3	1,111.4	923.3	188.15	5.907	
21,565.0	10,397.6	21,177.4	9,617.7	90.0	102.7	-44.56	11,509.5	-1,283.7	1,108.1	918.9	189.17	5.857	
21,600.0	10,397.7	21,206.6	9,618.9	90.3	102.9	-44.56	11,538.7	-1,282.9	1,106.4	916.7	189.75	5.831	
21,660.0	10,398.0	21,257.4	9,620.2	90.7	103.4	-44.54	11,589.4	-1,281.3	1,104.1	913.3	190.73	5.789	
21,700.0	10,398.1	21,292.2	9,621.2	91.0	103.7	-44.54	11,624.2	-1,280.6	1,102.8	911.4	191.38	5.762	
21,755.0	10,398.4	21,340.8	9,622.6	91.4	104.1	-44.56	11,672.8	-1,280.0	1,101.2	909.0	192.26	5.728	
21,800.0	10,398.6	21,387.3	9,624.3	91.8	104.4	-44.61	11,719.3	-1,280.0	1,100.1	907.1	192.96	5.701	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #703H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 112-MWD+IFR1+FDIR, 892-r.5 MWD+IFR1, 8877-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
21,850.0	10,398.8	21,422.0	9,625.9	92.1	104.7	-44.67	11,753.9	-1,280.2	1,098.9	905.1	193.78	5.671	
21,900.0	10,399.0	21,460.7	9,627.2	92.5	105.0	-44.72	11,792.6	-1,280.6	1,098.2	903.7	194.57	5.644	
21,905.3	10,399.0	21,463.8	9,627.2	92.6	105.1	-44.73	11,795.7	-1,280.6	1,098.2	903.6	194.65	5.642	
21,945.0	10,399.2	21,486.9	9,627.3	92.8	105.3	-44.74	11,818.8	-1,280.9	1,098.5	903.3	195.24	5.627	
22,000.0	10,399.4	21,516.0	9,626.8	93.3	105.5	-44.72	11,847.9	-1,281.3	1,099.9	904.0	195.96	5.613	
22,040.0	10,399.5	21,554.6	9,625.5	93.6	105.8	-44.69	11,886.5	-1,281.9	1,101.4	904.8	196.57	5.603	
22,100.0	10,399.8	21,611.0	9,623.1	94.0	106.3	-44.63	11,942.8	-1,283.0	1,104.0	906.6	197.47	5.591	
22,135.0	10,399.9	21,635.6	9,622.0	94.3	106.5	-44.60	11,967.3	-1,283.5	1,105.8	907.9	197.92	5.587	
22,200.0	10,400.2	21,690.3	9,619.2	94.7	107.0	-44.54	12,021.9	-1,285.0	1,109.5	910.7	198.83	5.580	
22,230.0	10,400.3	21,715.9	9,617.8	95.0	107.2	-44.52	12,047.5	-1,285.9	1,111.4	912.2	199.24	5.578	
22,264.2	10,400.5	21,745.9	9,616.1	95.2	107.4	-44.49	12,077.5	-1,286.9	1,113.7	914.0	199.72	5.576	
22,300.0	10,400.6	21,777.3	9,614.2	95.5	107.7	-44.46	12,108.7	-1,288.1	1,116.3	916.0	200.22	5.575	
22,325.0	10,400.7	21,801.0	9,612.7	95.7	107.9	-44.44	12,132.4	-1,289.1	1,118.1	917.5	200.59	5.574 SF	
22,394.2	10,401.0	21,862.1	9,608.4	96.2	108.4	-44.36	12,193.3	-1,291.4	1,123.6	922.0	201.55	5.575	
22,394.8	10,401.0	21,862.7	9,608.4	96.2	108.4	-44.36	12,193.9	-1,291.5	1,123.6	922.0	201.56	5.575	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	89.69	0.3	60.0	60.0				
95.0	95.0	93.9	93.9	3.0	3.0	89.69	0.3	60.0	60.0	53.9	6.05	9.912	
100.0	100.0	98.9	98.9	3.0	3.0	89.69	0.3	60.0	60.0	53.9	6.06	9.901	
190.0	190.0	188.9	188.9	3.1	3.1	89.69	0.3	60.0	60.0	53.7	6.27	9.568	
200.0	200.0	198.9	198.9	3.2	3.2	89.69	0.3	60.0	60.0	53.7	6.30	9.519	
285.0	285.0	283.9	283.9	3.3	3.3	89.69	0.3	60.0	60.0	53.5	6.50	9.230	
300.0	300.0	298.9	298.9	3.3	3.3	89.69	0.3	60.0	60.0	53.4	6.54	9.175	
380.0	380.0	378.9	378.9	3.4	3.4	89.69	0.3	60.0	60.0	53.2	6.71	8.930	
400.0	400.0	398.9	398.9	3.4	3.4	89.69	0.3	60.0	60.0	53.2	6.76	8.866	
475.0	475.0	473.9	473.9	3.5	3.5	89.69	0.3	60.0	60.0	53.0	6.93	8.658	
500.0	500.0	498.9	498.9	3.5	3.5	89.69	0.3	60.0	60.0	53.0	6.98	8.587	
570.0	570.0	568.9	568.9	3.6	3.6	89.69	0.3	60.0	60.0	52.8	7.13	8.409	
600.0	600.0	598.9	598.9	3.6	3.6	89.69	0.3	60.0	60.0	52.8	7.20	8.332	
665.0	665.0	663.9	663.9	3.7	3.7	89.69	0.3	60.0	60.0	52.6	7.33	8.181	
700.0	700.0	698.9	698.9	3.8	3.8	89.69	0.3	60.0	60.0	52.6	7.40	8.099	
760.0	760.0	758.9	758.9	3.8	3.8	89.69	0.3	60.0	60.0	52.4	7.52	7.970	
800.0	800.0	798.9	798.9	3.9	3.9	89.69	0.3	60.0	60.0	52.4	7.61	7.884	
855.0	855.0	853.9	853.9	4.0	4.0	89.69	0.3	60.0	60.0	52.2	7.71	7.775	
900.0	900.0	898.9	898.9	4.0	4.0	89.69	0.3	60.0	60.0	52.2	7.80	7.686	
950.0	950.0	948.9	948.9	4.1	4.1	89.69	0.3	60.0	60.0	52.1	7.90	7.593	
1,000.0	1,000.0	998.9	998.9	4.1	4.1	89.69	0.3	60.0	60.0	52.0	7.99	7.502	
1,045.0	1,045.0	1,043.9	1,043.9	4.2	4.2	89.69	0.3	60.0	60.0	51.9	8.08	7.424	
1,100.0	1,100.0	1,098.9	1,098.9	4.3	4.3	89.69	0.3	60.0	60.0	51.8	8.18	7.330	
1,140.0	1,140.0	1,138.9	1,138.9	4.3	4.3	89.69	0.3	60.0	60.0	51.7	8.25	7.266	
1,200.0	1,200.0	1,198.9	1,198.9	4.4	4.4	89.69	0.3	60.0	60.0	51.6	8.36	7.170	
1,235.0	1,235.0	1,233.9	1,233.9	4.4	4.4	89.69	0.3	60.0	60.0	51.5	8.43	7.117	
1,300.0	1,300.0	1,298.9	1,298.9	4.5	4.5	89.69	0.3	60.0	60.0	51.4	8.54	7.020	
1,330.0	1,330.0	1,328.9	1,328.9	4.5	4.5	89.69	0.3	60.0	60.0	51.4	8.59	6.977	
1,400.0	1,400.0	1,398.9	1,398.9	4.6	4.6	89.69	0.3	60.0	60.0	51.2	8.72	6.879	
1,425.0	1,425.0	1,423.9	1,423.9	4.6	4.6	89.69	0.3	60.0	60.0	51.2	8.76	6.845	
1,500.0	1,500.0	1,498.9	1,498.9	4.7	4.7	89.69	0.3	60.0	60.0	51.1	8.89	6.746	CC, ES
1,520.0	1,520.0	1,518.5	1,518.5	4.7	4.7	176.41	0.3	60.0	60.1	51.1	8.96	6.704	SF
1,600.0	1,600.0	1,596.8	1,596.7	4.8	4.8	176.40	0.4	61.6	63.4	54.1	9.27	6.838	
1,615.0	1,615.0	1,611.4	1,611.4	4.8	4.8	176.40	0.5	62.1	64.5	55.1	9.34	6.899	
1,700.0	1,699.8	1,693.9	1,693.8	5.0	5.0	176.37	0.8	66.5	73.6	63.8	9.81	7.510	
1,710.0	1,709.8	1,703.6	1,703.4	5.0	5.0	176.37	0.8	67.2	75.0	65.2	9.86	7.610	
1,800.0	1,799.5	1,789.7	1,789.2	5.2	5.2	176.34	1.4	74.6	90.7	80.3	10.36	8.753	
1,805.0	1,804.4	1,794.5	1,793.9	5.2	5.2	176.34	1.4	75.0	91.7	81.3	10.39	8.828	
1,900.0	1,898.7	1,883.9	1,882.7	5.5	5.4	176.31	2.2	85.6	114.4	103.5	10.84	10.547	
1,995.0	1,992.8	1,975.4	1,973.5	5.8	5.6	176.31	3.1	97.5	139.7	128.4	11.27	12.391	
2,000.0	1,997.7	1,980.2	1,978.3	5.8	5.6	176.31	3.1	98.1	141.0	129.7	11.30	12.482	
2,090.0	2,086.9	2,067.0	2,064.3	6.0	5.8	176.32	4.0	109.4	165.0	153.3	11.76	14.038	
2,100.0	2,096.8	2,076.6	2,073.8	6.0	5.9	176.32	4.0	110.6	167.7	155.9	11.81	14.202	
2,185.0	2,180.9	2,158.5	2,155.0	6.3	6.1	176.32	4.8	121.3	190.4	178.1	12.27	15.515	
2,200.0	2,195.8	2,173.0	2,169.4	6.3	6.1	176.32	5.0	123.2	194.4	182.0	12.35	15.735	
2,280.0	2,275.0	2,250.1	2,245.8	6.6	6.4	176.32	5.7	133.2	215.7	202.9	12.81	16.836	
2,300.0	2,294.8	2,269.4	2,264.9	6.6	6.4	176.32	5.9	135.7	221.0	208.1	12.93	17.097	
2,375.0	2,369.1	2,341.7	2,336.6	6.8	6.6	176.33	6.6	145.1	241.0	227.7	13.38	18.017	
2,400.0	2,393.8	2,365.7	2,360.5	6.9	6.7	176.33	6.8	148.3	247.7	234.2	13.53	18.307	
2,470.0	2,463.2	2,433.2	2,427.4	7.2	6.9	176.33	7.5	157.1	266.4	252.4	13.97	19.071	
2,500.0	2,492.9	2,462.1	2,456.0	7.3	7.0	176.33	7.7	160.8	274.4	260.2	14.16	19.381	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,565.0	2,557.2	2,524.8	2,518.1	7.5	7.2	176.33	8.3	169.0	291.7	277.1	14.58	20.013	
2,600.0	2,591.9	2,558.5	2,551.6	7.6	7.3	176.33	8.6	173.4	301.0	286.2	14.80	20.335	
2,660.0	2,651.3	2,616.3	2,608.9	7.8	7.5	176.33	9.2	180.9	317.0	301.8	15.20	20.856	
2,700.0	2,690.9	2,654.9	2,647.1	7.9	7.7	176.33	9.6	185.9	327.7	312.2	15.47	21.185	
2,755.0	2,745.4	2,707.9	2,699.7	8.1	7.8	176.33	10.1	192.8	342.4	326.5	15.84	21.612	
2,800.0	2,789.9	2,751.3	2,742.7	8.3	8.0	176.33	10.5	198.5	354.4	338.2	16.15	21.943	
2,850.0	2,839.5	2,799.5	2,790.5	8.5	8.2	176.33	11.0	204.7	367.7	351.2	16.50	22.291	
2,900.0	2,889.0	2,847.6	2,838.2	8.6	8.3	176.33	11.4	211.0	381.0	364.2	16.84	22.621	
2,945.0	2,933.5	2,891.0	2,881.2	8.8	8.5	176.33	11.8	216.7	393.0	375.9	17.16	22.903	
3,000.0	2,988.0	2,944.0	2,933.8	9.0	8.7	176.33	12.3	223.6	407.7	390.2	17.55	23.229	
3,040.0	3,027.6	2,982.6	2,972.0	9.2	8.8	176.33	12.7	228.6	418.4	400.5	17.84	23.454	
3,100.0	3,087.0	3,040.4	3,029.4	9.4	9.0	176.33	13.3	236.1	434.4	416.1	18.27	23.776	
3,135.0	3,121.7	3,074.1	3,062.8	9.5	9.2	176.33	13.6	240.5	443.7	425.2	18.52	23.954	
3,200.0	3,186.0	3,136.8	3,124.9	9.8	9.4	176.33	14.2	248.6	461.0	442.0	19.00	24.269	
3,230.0	3,215.8	3,165.7	3,153.6	9.9	9.5	176.33	14.5	252.4	469.0	449.8	19.22	24.407	
3,300.0	3,285.1	3,233.2	3,220.5	10.1	9.8	176.33	15.1	261.2	487.7	468.0	19.73	24.715	
3,325.0	3,309.8	3,257.2	3,244.4	10.2	9.9	176.33	15.3	264.3	494.4	474.5	19.92	24.819	
3,400.0	3,384.1	3,329.5	3,316.0	10.5	10.1	176.34	16.0	273.7	514.4	493.9	20.48	25.119	
3,420.0	3,403.9	3,348.8	3,335.1	10.6	10.2	176.34	16.2	276.2	519.7	499.1	20.63	25.195	
3,500.0	3,483.1	3,425.9	3,411.6	10.9	10.5	176.34	16.9	286.3	541.0	519.8	21.23	25.487	
3,515.0	3,498.0	3,440.4	3,425.9	11.0	10.6	176.34	17.1	288.2	545.0	523.7	21.34	25.539	
3,600.0	3,582.2	3,522.3	3,507.1	11.3	10.9	176.34	17.9	298.8	567.7	545.7	21.99	25.822	
3,610.0	3,592.1	3,531.9	3,516.7	11.4	10.9	176.34	18.0	300.1	570.4	548.3	22.06	25.854	
3,700.0	3,681.2	3,618.7	3,602.7	11.7	11.2	176.34	18.8	311.4	594.4	571.6	22.75	26.129	
3,705.0	3,686.1	3,623.5	3,607.5	11.7	11.3	176.34	18.8	312.0	595.7	572.9	22.79	26.143	
3,800.0	3,780.2	3,715.0	3,698.2	12.1	11.6	176.34	19.7	323.9	621.1	597.5	23.52	26.410	
3,895.0	3,874.3	3,806.6	3,789.0	12.5	12.0	176.34	20.6	335.8	646.4	622.1	24.25	26.656	
3,900.0	3,879.2	3,811.4	3,793.8	12.5	12.0	176.34	20.6	336.5	647.7	623.4	24.29	26.668	
3,990.0	3,968.4	3,898.2	3,879.8	12.9	12.3	176.34	21.5	347.8	671.7	646.7	24.99	26.883	
4,000.0	3,978.3	3,907.8	3,889.3	12.9	12.4	176.34	21.5	349.0	674.4	649.3	25.06	26.906	
4,085.0	4,062.4	3,989.7	3,970.6	13.3	12.7	176.34	22.3	359.7	697.1	671.3	25.73	27.094	
4,100.0	4,077.3	4,004.2	3,984.9	13.3	12.8	176.34	22.5	361.6	701.1	675.2	25.84	27.126	
4,180.0	4,156.5	4,081.3	4,061.3	13.6	13.1	176.34	23.2	371.6	722.4	695.9	26.47	27.290	
4,200.0	4,176.3	4,100.6	4,080.5	13.7	13.2	176.34	23.4	374.1	727.7	701.1	26.63	27.329	
4,275.0	4,250.6	4,172.8	4,152.1	14.0	13.4	176.34	24.1	383.5	747.7	720.5	27.22	27.472	
4,300.0	4,275.3	4,196.9	4,176.0	14.1	13.5	176.34	24.3	386.7	754.4	727.0	27.41	27.518	
4,370.0	4,344.7	4,264.4	4,242.9	14.4	13.8	176.34	25.0	395.4	773.1	745.1	27.97	27.642	
4,400.0	4,374.4	4,293.3	4,271.6	14.5	13.9	176.34	25.2	399.2	781.1	752.9	28.20	27.693	
4,465.0	4,438.7	4,356.0	4,333.7	14.8	14.2	176.34	25.8	407.4	798.4	769.7	28.72	27.800	
4,500.0	4,473.4	4,389.7	4,367.1	15.0	14.3	176.34	26.2	411.7	807.7	778.7	29.00	27.856	
4,560.0	4,532.8	4,447.5	4,424.4	15.2	14.6	176.34	26.7	419.3	823.7	794.3	29.47	27.948	
4,600.0	4,572.4	4,486.1	4,462.7	15.4	14.7	176.34	27.1	424.3	834.4	804.6	29.79	28.008	
4,655.0	4,626.9	4,539.1	4,515.2	15.6	14.9	176.34	27.6	431.2	849.1	818.8	30.23	28.087	
4,700.0	4,671.5	4,582.5	4,558.2	15.8	15.1	176.34	28.0	436.8	861.1	830.5	30.59	28.150	
4,750.0	4,721.0	4,630.6	4,606.0	16.0	15.3	176.34	28.5	443.1	874.4	843.4	30.98	28.228	
4,790.0	4,760.6	4,672.2	4,647.2	16.1	15.5	176.34	28.9	448.5	885.0	853.7	31.31	28.271	
4,800.0	4,770.5	4,683.6	4,658.5	16.2	15.5	176.34	29.0	449.9	887.7	856.3	31.39	28.276	
4,845.0	4,815.1	4,735.1	4,709.7	16.4	15.7	176.35	29.4	456.1	899.0	867.2	31.80	28.266	
4,900.0	4,869.6	4,798.6	4,772.8	16.6	16.0	176.36	29.9	463.1	911.8	879.5	32.31	28.219	
4,940.0	4,909.4	4,845.1	4,819.0	16.8	16.1	176.37	30.3	467.8	920.5	887.8	32.67	28.173	
5,000.0	4,969.0	4,915.2	4,888.8	17.0	16.4	176.38	30.7	474.2	932.3	899.1	33.21	28.077	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	5,003.8	4,956.3	4,929.8	17.1	16.5	176.38	31.0	477.5	938.6	905.1	33.51	28.012	
5,100.0	5,068.6	5,033.1	5,006.4	17.4	16.8	176.39	31.4	483.0	949.1	915.1	34.06	27.864	
5,130.0	5,098.5	5,068.7	5,041.9	17.5	17.0	176.40	31.5	485.2	953.4	919.1	34.31	27.790	
5,200.0	5,168.3	5,152.0	5,125.2	17.7	17.2	176.41	31.9	489.4	962.2	927.3	34.87	27.595	
5,225.0	5,193.2	5,181.9	5,155.0	17.8	17.3	176.41	31.9	490.6	964.8	929.8	35.06	27.520	
5,300.0	5,268.1	5,271.8	5,244.8	18.1	17.6	176.43	32.1	493.4	971.4	935.8	35.61	27.282	
5,320.0	5,288.1	5,295.8	5,268.8	18.2	17.7	176.43	32.2	493.9	972.8	937.0	35.74	27.216	
5,400.0	5,368.0	5,392.0	5,365.1	18.4	17.8	176.44	32.3	494.9	976.8	940.6	36.17	27.007	
5,415.0	5,383.0	5,410.1	5,383.1	18.5	17.9	176.44	32.3	494.9	977.3	941.1	36.24	26.966	
5,500.0	5,468.0	5,493.9	5,466.9	18.7	17.9	176.45	32.3	494.9	979.3	942.8	36.51	26.822	
5,510.0	5,478.0	5,503.9	5,476.9	18.7	17.9	176.45	32.3	494.9	979.4	942.9	36.53	26.812	
5,590.0	5,558.0	5,583.9	5,556.9	18.8	17.9	89.74	32.3	494.9	980.0	943.3	36.68	26.717	
5,600.0	5,568.0	5,593.9	5,566.9	18.8	17.9	89.74	32.3	494.9	980.0	943.3	36.68	26.713	
5,605.0	5,573.0	5,598.9	5,571.9	18.8	17.9	89.74	32.3	494.9	980.0	943.3	36.69	26.710	
5,700.0	5,668.0	5,693.9	5,666.9	18.9	18.0	89.74	32.3	494.9	980.0	943.2	36.77	26.653	
5,795.0	5,763.0	5,788.9	5,761.9	18.9	18.0	89.74	32.3	494.9	980.0	943.1	36.85	26.596	
5,800.0	5,768.0	5,793.9	5,766.9	18.9	18.0	89.74	32.3	494.9	980.0	943.1	36.85	26.593	
5,890.0	5,858.0	5,883.9	5,856.9	18.9	18.0	89.74	32.3	494.9	980.0	943.0	36.93	26.539	
5,900.0	5,868.0	5,893.9	5,866.9	19.0	18.1	89.74	32.3	494.9	980.0	943.0	36.93	26.533	
5,985.0	5,953.0	5,978.9	5,951.9	19.0	18.1	89.74	32.3	494.9	980.0	943.0	37.01	26.481	
6,000.0	5,968.0	5,993.9	5,966.9	19.0	18.1	89.74	32.3	494.9	980.0	943.0	37.02	26.472	
6,080.0	6,048.0	6,073.9	6,046.9	19.0	18.1	89.74	32.3	494.9	980.0	942.9	37.09	26.424	
6,100.0	6,068.0	6,093.9	6,066.9	19.0	18.1	89.74	32.3	494.9	980.0	942.9	37.10	26.412	
6,175.0	6,143.0	6,168.9	6,141.9	19.1	18.2	89.74	32.3	494.9	980.0	942.8	37.17	26.366	
6,200.0	6,168.0	6,193.9	6,166.9	19.1	18.2	89.74	32.3	494.9	980.0	942.8	37.19	26.351	
6,270.0	6,238.0	6,263.9	6,236.9	19.1	18.2	89.74	32.3	494.9	980.0	942.7	37.25	26.309	
6,300.0	6,268.0	6,293.9	6,266.9	19.1	18.2	89.74	32.3	494.9	980.0	942.7	37.27	26.290	
6,365.0	6,333.0	6,358.9	6,331.9	19.1	18.3	89.74	32.3	494.9	980.0	942.6	37.33	26.251	
6,400.0	6,368.0	6,393.9	6,366.9	19.2	18.3	89.74	32.3	494.9	980.0	942.6	37.36	26.230	
6,460.0	6,428.0	6,453.9	6,426.9	19.2	18.3	89.74	32.3	494.9	980.0	942.6	37.41	26.193	
6,500.0	6,468.0	6,493.9	6,466.9	19.2	18.3	89.74	32.3	494.9	980.0	942.5	37.45	26.169	
6,555.0	6,523.0	6,548.9	6,521.9	19.2	18.3	89.74	32.3	494.9	980.0	942.5	37.50	26.135	
6,600.0	6,568.0	6,593.9	6,566.9	19.2	18.4	89.74	32.3	494.9	980.0	942.4	37.54	26.108	
6,650.0	6,618.0	6,643.9	6,616.9	19.3	18.4	89.74	32.3	494.9	980.0	942.4	37.58	26.077	
6,700.0	6,668.0	6,693.9	6,666.9	19.3	18.4	89.74	32.3	494.9	980.0	942.3	37.62	26.047	
6,745.0	6,713.0	6,738.9	6,711.9	19.3	18.4	89.74	32.3	494.9	980.0	942.3	37.66	26.019	
6,800.0	6,768.0	6,793.9	6,766.9	19.3	18.5	89.74	32.3	494.9	980.0	942.3	37.71	25.986	
6,840.0	6,808.0	6,833.9	6,806.9	19.3	18.5	89.74	32.3	494.9	980.0	942.2	37.75	25.961	
6,900.0	6,868.0	6,893.9	6,866.9	19.4	18.5	89.74	32.3	494.9	980.0	942.2	37.80	25.925	
6,935.0	6,903.0	6,928.9	6,901.9	19.4	18.5	89.74	32.3	494.9	980.0	942.1	37.83	25.903	
7,000.0	6,968.0	6,993.9	6,966.9	19.4	18.5	89.74	32.3	494.9	980.0	942.1	37.89	25.863	
7,030.0	6,998.0	7,023.9	6,996.9	19.4	18.6	89.74	32.3	494.9	980.0	942.1	37.92	25.845	
7,100.0	7,068.0	7,093.9	7,066.9	19.5	18.6	89.74	32.3	494.9	980.0	942.0	37.98	25.802	
7,125.0	7,093.0	7,118.9	7,091.9	19.5	18.6	89.74	32.3	494.9	980.0	942.0	38.00	25.787	
7,200.0	7,168.0	7,193.9	7,166.9	19.5	18.6	89.74	32.3	494.9	980.0	941.9	38.07	25.741	
7,220.0	7,188.0	7,213.9	7,186.9	19.5	18.6	89.74	32.3	494.9	980.0	941.9	38.09	25.729	
7,300.0	7,268.0	7,293.9	7,266.9	19.5	18.7	89.74	32.3	494.9	980.0	941.8	38.16	25.680	
7,315.0	7,283.0	7,308.9	7,281.9	19.6	18.7	89.74	32.3	494.9	980.0	941.8	38.18	25.670	
7,400.0	7,368.0	7,393.9	7,366.9	19.6	18.7	89.74	32.3	494.9	980.0	941.7	38.25	25.618	
7,410.0	7,378.0	7,403.9	7,376.9	19.6	18.7	89.74	32.3	494.9	980.0	941.7	38.26	25.612	
7,500.0	7,468.0	7,493.9	7,466.9	19.6	18.8	89.74	32.3	494.9	980.0	941.6	38.34	25.557	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,505.0	7,473.0	7,498.9	7,471.9	19.6	18.8	89.74	32.3	494.9	980.0	941.6	38.35	25.554	
7,600.0	7,568.0	7,593.9	7,566.9	19.7	18.8	89.74	32.3	494.9	980.0	941.5	38.44	25.496	
7,695.0	7,663.0	7,688.9	7,661.9	19.7	18.9	89.74	32.3	494.9	980.0	941.4	38.52	25.437	
7,700.0	7,668.0	7,693.9	7,666.9	19.7	18.9	89.74	32.3	494.9	980.0	941.4	38.53	25.434	
7,790.0	7,758.0	7,783.9	7,756.9	19.8	18.9	89.74	32.3	494.9	980.0	941.4	38.61	25.379	
7,800.0	7,768.0	7,793.9	7,766.9	19.8	18.9	89.74	32.3	494.9	980.0	941.3	38.62	25.373	
7,885.0	7,853.0	7,878.9	7,851.9	19.8	19.0	89.74	32.3	494.9	980.0	941.3	38.70	25.321	
7,900.0	7,868.0	7,893.9	7,866.9	19.8	19.0	89.74	32.3	494.9	980.0	941.3	38.72	25.311	
7,980.0	7,948.0	7,973.9	7,946.9	19.8	19.0	89.74	32.3	494.9	980.0	941.2	38.79	25.262	
8,000.0	7,968.0	7,993.9	7,966.9	19.9	19.0	89.74	32.3	494.9	980.0	941.2	38.81	25.250	
8,075.0	8,043.0	8,068.9	8,041.9	19.9	19.1	89.74	32.3	494.9	980.0	941.1	38.88	25.204	
8,100.0	8,068.0	8,093.9	8,066.9	19.9	19.1	89.74	32.3	494.9	980.0	941.1	38.91	25.189	
8,170.0	8,138.0	8,163.9	8,136.9	19.9	19.1	89.74	32.3	494.9	980.0	941.0	38.97	25.146	
8,200.0	8,168.0	8,193.9	8,166.9	20.0	19.1	89.74	32.3	494.9	980.0	941.0	39.00	25.127	
8,265.0	8,233.0	8,258.9	8,231.9	20.0	19.2	89.74	32.3	494.9	980.0	940.9	39.06	25.087	
8,300.0	8,268.0	8,293.9	8,266.9	20.0	19.2	89.74	32.3	494.9	980.0	940.9	39.10	25.066	
8,360.0	8,328.0	8,353.9	8,326.9	20.0	19.2	89.74	32.3	494.9	980.0	940.8	39.15	25.029	
8,400.0	8,368.0	8,393.9	8,366.9	20.0	19.2	89.74	32.3	494.9	980.0	940.8	39.19	25.004	
8,455.0	8,423.0	8,448.9	8,421.9	20.1	19.2	89.74	32.3	494.9	980.0	940.7	39.24	24.971	
8,500.0	8,468.0	8,493.9	8,466.9	20.1	19.3	89.74	32.3	494.9	980.0	940.7	39.29	24.943	
8,550.0	8,518.0	8,543.9	8,516.9	20.1	19.3	89.74	32.3	494.9	980.0	940.6	39.34	24.912	
8,600.0	8,568.0	8,593.9	8,566.9	20.1	19.3	89.74	32.3	494.9	980.0	940.6	39.39	24.882	
8,645.0	8,613.0	8,638.9	8,611.9	20.2	19.3	89.74	32.3	494.9	980.0	940.5	39.43	24.854	
8,700.0	8,668.0	8,693.9	8,666.9	20.2	19.4	89.74	32.3	494.9	980.0	940.5	39.48	24.820	
8,740.0	8,708.0	8,733.9	8,706.9	20.2	19.4	89.74	32.3	494.9	980.0	940.4	39.52	24.796	
8,800.0	8,768.0	8,793.9	8,766.9	20.2	19.4	89.74	32.3	494.9	980.0	940.4	39.58	24.759	
8,835.0	8,803.0	8,828.9	8,801.9	20.2	19.4	89.74	32.3	494.9	980.0	940.4	39.61	24.738	
8,900.0	8,868.0	8,893.9	8,866.9	20.3	19.5	89.74	32.3	494.9	980.0	940.3	39.68	24.698	
8,930.0	8,898.0	8,923.9	8,896.9	20.3	19.5	89.74	32.3	494.9	980.0	940.3	39.71	24.680	
9,000.0	8,968.0	8,993.9	8,966.9	20.3	19.5	89.74	32.3	494.9	980.0	940.2	39.78	24.637	
9,025.0	8,993.0	9,018.9	8,991.9	20.3	19.5	89.74	32.3	494.9	980.0	940.2	39.80	24.621	
9,100.0	9,068.0	9,093.9	9,066.9	20.4	19.6	89.74	32.3	494.9	980.0	940.1	39.88	24.576	
9,120.0	9,088.0	9,113.9	9,086.9	20.4	19.6	89.74	32.3	494.9	980.0	940.1	39.90	24.563	
9,200.0	9,168.0	9,193.9	9,166.9	20.4	19.6	89.74	32.3	494.9	980.0	940.0	39.98	24.514	
9,215.0	9,183.0	9,208.9	9,181.9	20.4	19.6	89.74	32.3	494.9	980.0	940.0	39.99	24.505	
9,300.0	9,268.0	9,293.9	9,266.9	20.5	19.7	89.74	32.3	494.9	980.0	939.9	40.08	24.453	
9,310.0	9,278.0	9,303.9	9,276.9	20.5	19.7	89.74	32.3	494.9	980.0	939.9	40.09	24.447	
9,400.0	9,368.0	9,393.9	9,366.9	20.5	19.7	89.74	32.3	494.9	980.0	939.8	40.18	24.392	
9,405.0	9,373.0	9,398.9	9,371.9	20.5	19.7	89.74	32.3	494.9	980.0	939.8	40.18	24.389	
9,500.0	9,468.0	9,493.9	9,466.9	20.6	19.8	89.74	32.3	494.9	980.0	939.7	40.28	24.331	
9,595.0	9,563.0	9,588.9	9,561.9	20.6	19.8	89.74	32.3	494.9	980.0	939.6	40.37	24.274	
9,600.0	9,568.0	9,593.9	9,566.9	20.6	19.8	89.74	32.3	494.9	980.0	939.6	40.38	24.270	
9,690.0	9,658.0	9,683.9	9,656.9	20.7	19.9	89.74	32.3	494.9	980.0	939.5	40.47	24.216	
9,700.0	9,668.0	9,693.9	9,666.9	20.7	19.9	89.74	32.3	494.9	980.0	939.5	40.48	24.210	
9,785.0	9,753.0	9,778.9	9,751.9	20.7	19.9	89.74	32.3	494.9	980.0	939.4	40.57	24.158	
9,800.0	9,768.0	9,793.9	9,766.9	20.7	19.9	89.74	32.3	494.9	980.0	939.4	40.58	24.149	
9,812.1	9,780.0	9,805.9	9,778.9	20.7	19.9	89.74	32.3	494.9	980.0	939.4	40.59	24.144	
9,850.0	9,818.0	9,843.8	9,816.9	20.7	20.0	89.93	32.3	494.9	980.0	939.4	40.62	24.128	
9,865.7	9,833.6	9,859.5	9,832.5	20.7	20.0	90.00	32.3	494.9	980.0	939.3	40.63	24.122	
9,880.0	9,847.8	9,873.7	9,846.7	20.7	20.0	90.09	32.3	494.9	980.0	939.3	40.64	24.116	
9,900.0	9,867.6	9,893.5	9,866.5	20.7	20.0	90.24	32.3	494.9	980.0	939.3	40.65	24.109	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,950.0	9,916.6	9,943.4	9,916.4	20.7	20.0	90.78	32.8	494.9	980.1	939.4	40.66	24.103	
9,975.0	9,940.8	9,969.0	9,942.0	20.7	20.0	91.06	34.6	494.9	980.1	939.5	40.67	24.102	
10,000.0	9,964.6	9,995.0	9,967.7	20.7	20.0	91.32	37.9	494.9	980.2	939.5	40.67	24.102	
10,050.0	10,011.2	10,047.8	10,019.4	20.8	20.0	91.80	48.9	494.8	980.4	939.7	40.68	24.100	
10,070.0	10,029.4	10,069.3	10,040.0	20.8	20.0	91.98	54.9	494.7	980.4	939.8	40.68	24.099	
10,100.0	10,056.0	10,101.8	10,070.5	20.8	20.0	92.22	65.9	494.7	980.5	939.9	40.69	24.097	
10,150.0	10,098.7	10,156.7	10,120.3	20.8	20.0	92.56	89.0	494.5	980.7	940.0	40.71	24.089	
10,165.0	10,111.1	10,173.3	10,134.8	20.8	20.0	92.65	97.1	494.5	980.7	940.0	40.72	24.086	
10,200.0	10,139.0	10,212.3	10,167.7	20.8	20.0	92.82	118.1	494.3	980.7	940.0	40.74	24.076	
10,250.0	10,176.6	10,268.6	10,211.8	20.8	20.0	93.00	152.9	494.1	980.7	940.0	40.77	24.054	
10,260.0	10,183.7	10,279.9	10,220.2	20.8	20.0	93.02	160.5	494.0	980.7	939.9	40.78	24.049	
10,300.0	10,211.1	10,325.1	10,251.8	20.8	20.0	93.08	192.9	493.8	980.6	939.8	40.82	24.024	
10,350.0	10,242.4	10,381.7	10,286.7	20.9	20.1	93.07	237.4	493.5	980.4	939.5	40.88	23.984	
10,355.0	10,245.3	10,387.4	10,289.9	20.9	20.1	93.07	242.1	493.5	980.4	939.5	40.88	23.980	
10,400.0	10,270.1	10,438.1	10,316.1	20.9	20.1	92.97	285.5	493.2	980.1	939.1	40.95	23.935	
10,450.0	10,294.1	10,494.0	10,339.4	20.9	20.1	92.78	336.3	492.8	979.7	938.7	41.03	23.876	
10,500.0	10,314.2	10,549.3	10,356.4	21.0	20.2	92.51	388.8	492.5	979.2	938.1	41.13	23.807	
10,545.0	10,328.8	10,598.2	10,366.4	21.0	20.2	92.19	436.7	492.2	978.8	937.6	41.23	23.738	
10,550.0	10,330.2	10,603.6	10,367.2	21.0	20.2	92.15	442.0	492.1	978.7	937.5	41.24	23.730	
10,600.0	10,342.1	10,656.9	10,371.8	21.1	20.3	91.73	495.1	491.8	978.2	936.9	41.37	23.645	
10,640.0	10,348.5	10,697.2	10,372.1	21.1	20.4	91.40	535.4	491.5	977.9	936.4	41.48	23.575	
10,650.0	10,349.6	10,707.2	10,372.1	21.1	20.4	91.35	545.4	491.4	977.8	936.3	41.51	23.556	
10,700.0	10,352.9	10,757.1	10,372.3	21.2	20.5	91.20	595.3	491.1	977.5	935.8	41.67	23.458	
10,709.7	10,353.0	10,766.8	10,372.4	21.2	20.5	91.20	605.0	491.0	977.4	935.7	41.70	23.439	
10,735.0	10,353.1	10,792.1	10,372.5	21.3	20.5	91.20	630.3	490.9	977.3	935.5	41.79	23.386	
10,800.0	10,353.4	10,857.1	10,372.7	21.4	20.7	91.20	695.3	490.4	977.0	935.0	42.04	23.242	
10,830.0	10,353.5	10,887.1	10,372.8	21.5	20.7	91.20	725.3	490.2	976.9	934.7	42.16	23.172	
10,900.0	10,353.8	10,957.1	10,373.1	21.6	20.9	91.20	795.3	489.8	976.5	934.1	42.46	23.000	
10,925.0	10,353.9	10,982.1	10,373.2	21.7	20.9	91.20	820.3	489.6	976.4	933.8	42.57	22.936	
11,000.0	10,354.2	11,057.1	10,373.5	21.8	21.1	91.19	895.2	489.1	976.0	933.1	42.93	22.737	
11,020.0	10,354.3	11,077.1	10,373.5	21.9	21.2	91.19	915.2	488.9	975.9	932.9	43.03	22.681	
11,100.0	10,354.6	11,157.1	10,373.8	22.1	21.4	91.19	995.2	488.4	975.6	932.1	43.45	22.454	
11,115.0	10,354.7	11,172.1	10,373.9	22.1	21.4	91.19	1,010.2	488.3	975.5	932.0	43.53	22.409	
11,200.0	10,355.0	11,257.1	10,374.2	22.4	21.7	91.19	1,095.2	487.7	975.1	931.1	44.01	22.153	
11,210.0	10,355.1	11,267.1	10,374.3	22.4	21.7	91.19	1,105.2	487.7	975.0	930.9	44.07	22.122	
11,300.0	10,355.4	11,357.1	10,374.6	22.7	22.0	91.19	1,195.2	487.1	974.6	930.0	44.63	21.839	
11,305.0	10,355.4	11,362.1	10,374.6	22.7	22.0	91.19	1,200.2	487.0	974.6	929.9	44.66	21.823	
11,400.0	10,355.8	11,457.1	10,375.0	23.0	22.3	91.19	1,295.2	486.4	974.1	928.8	45.28	21.512	
11,495.0	10,356.2	11,552.1	10,375.3	23.3	22.6	91.19	1,390.2	485.7	973.6	927.7	45.94	21.193	
11,500.0	10,356.2	11,557.1	10,375.3	23.3	22.7	91.19	1,395.2	485.7	973.6	927.6	45.98	21.176	
11,590.0	10,356.6	11,647.1	10,375.7	23.6	23.0	91.19	1,485.2	485.1	973.2	926.6	46.64	20.866	
11,600.0	10,356.7	11,657.1	10,375.7	23.7	23.0	91.19	1,495.2	485.0	973.1	926.4	46.71	20.832	
11,685.0	10,357.0	11,742.1	10,376.0	24.0	23.4	91.19	1,580.2	484.5	972.7	925.4	47.37	20.534	
11,700.0	10,357.1	11,757.1	10,376.1	24.1	23.4	91.18	1,595.2	484.4	972.7	925.2	47.49	20.482	
11,780.0	10,357.4	11,837.1	10,376.4	24.4	23.8	91.18	1,675.2	483.8	972.3	924.1	48.13	20.199	
11,800.0	10,357.5	11,857.1	10,376.5	24.5	23.8	91.18	1,695.2	483.7	972.2	923.9	48.30	20.129	
11,875.0	10,357.8	11,932.0	10,376.8	24.8	24.2	91.18	1,770.2	483.2	971.8	922.9	48.93	19.862	
11,900.0	10,357.9	11,957.0	10,376.9	24.9	24.3	91.18	1,795.2	483.0	971.7	922.6	49.14	19.773	
11,970.0	10,358.2	12,027.0	10,377.1	25.2	24.6	91.18	1,865.2	482.5	971.4	921.6	49.75	19.523	
12,000.0	10,358.3	12,057.0	10,377.2	25.3	24.7	91.18	1,895.2	482.3	971.2	921.2	50.02	19.417	
12,065.0	10,358.6	12,122.0	10,377.5	25.6	25.0	91.18	1,960.2	481.9	970.9	920.3	50.61	19.186	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.0	10,358.7	12,157.0	10,377.6	25.8	25.2	91.18	1,995.2	481.7	970.7	919.8	50.93	19.062	
12,160.0	10,359.0	12,217.0	10,377.8	26.0	25.5	91.18	2,055.2	481.3	970.4	919.0	51.48	18.849	
12,200.0	10,359.1	12,257.0	10,378.0	26.2	25.6	91.18	2,095.2	481.0	970.3	918.4	51.86	18.708	
12,255.0	10,359.3	12,312.0	10,378.2	26.5	25.9	91.18	2,150.2	480.6	970.0	917.6	52.39	18.515	
12,300.0	10,359.5	12,357.0	10,378.4	26.7	26.1	91.18	2,195.2	480.3	969.8	916.9	52.83	18.358	
12,350.0	10,359.7	12,407.0	10,378.5	26.9	26.4	91.18	2,245.2	480.0	969.5	916.2	53.32	18.184	
12,400.0	10,359.9	12,457.0	10,378.7	27.2	26.6	91.17	2,295.2	479.6	969.3	915.5	53.82	18.011	
12,445.0	10,360.1	12,502.0	10,378.9	27.4	26.9	91.17	2,340.2	479.3	969.1	914.8	54.27	17.857	
12,500.0	10,360.4	12,557.0	10,379.1	27.7	27.1	91.17	2,395.2	479.0	968.8	914.0	54.83	17.669	
12,540.0	10,360.5	12,597.0	10,379.3	27.9	27.4	91.17	2,435.2	478.7	968.6	913.4	55.24	17.534	
12,600.0	10,360.8	12,657.0	10,379.5	28.2	27.7	91.17	2,495.2	478.3	968.3	912.5	55.87	17.332	
12,635.0	10,360.9	12,692.0	10,379.6	28.4	27.9	91.17	2,530.2	478.1	968.2	911.9	56.24	17.216	
12,700.0	10,361.2	12,757.0	10,379.9	28.7	28.2	91.17	2,595.2	477.6	967.8	910.9	56.93	17.001	
12,730.0	10,361.3	12,787.0	10,380.0	28.9	28.4	91.17	2,625.2	477.4	967.7	910.4	57.25	16.903	
12,800.0	10,361.6	12,857.0	10,380.2	29.3	28.8	91.17	2,695.2	476.9	967.4	909.4	58.01	16.676	
12,825.0	10,361.7	12,882.0	10,380.3	29.4	28.9	91.17	2,720.2	476.8	967.2	909.0	58.28	16.596	
12,900.0	10,362.0	12,957.0	10,380.6	29.8	29.3	91.17	2,795.2	476.3	966.9	907.8	59.11	16.358	
12,920.0	10,362.1	12,977.0	10,380.7	29.9	29.4	91.17	2,815.2	476.1	966.8	907.4	59.33	16.295	
13,000.0	10,362.4	13,057.0	10,381.0	30.4	29.9	91.17	2,895.2	475.6	966.4	906.2	60.23	16.046	
13,015.0	10,362.5	13,072.0	10,381.1	30.5	30.0	91.17	2,910.2	475.5	966.3	905.9	60.40	15.999	
13,100.0	10,362.8	13,157.0	10,381.4	30.9	30.5	91.17	2,995.2	474.9	965.9	904.5	61.36	15.741	
13,110.0	10,362.9	13,167.0	10,381.4	31.0	30.5	91.16	3,005.2	474.8	965.9	904.4	61.48	15.710	
13,200.0	10,363.2	13,257.0	10,381.8	31.5	31.0	91.16	3,095.2	474.2	965.4	902.9	62.52	15.443	
13,205.0	10,363.3	13,262.0	10,381.8	31.5	31.1	91.16	3,100.2	474.2	965.4	902.8	62.58	15.428	
13,300.0	10,363.6	13,357.0	10,382.1	32.1	31.6	91.16	3,195.2	473.6	964.9	901.3	63.69	15.152	
13,395.0	10,364.0	13,452.0	10,382.5	32.6	32.2	91.16	3,290.2	472.9	964.5	899.7	64.81	14.882	
13,400.0	10,364.1	13,457.0	10,382.5	32.7	32.2	91.16	3,295.1	472.9	964.5	899.6	64.87	14.868	
13,490.0	10,364.4	13,547.0	10,382.8	33.2	32.8	91.16	3,385.1	472.3	964.0	898.1	65.95	14.618	
13,500.0	10,364.5	13,557.0	10,382.9	33.3	32.8	91.16	3,395.1	472.2	964.0	897.9	66.07	14.591	
13,585.0	10,364.8	13,642.0	10,383.2	33.8	33.3	91.16	3,480.1	471.6	963.6	896.5	67.10	14.361	
13,600.0	10,364.9	13,657.0	10,383.3	33.9	33.4	91.16	3,495.1	471.5	963.5	896.2	67.28	14.321	
13,680.0	10,365.2	13,737.0	10,383.6	34.4	33.9	91.16	3,575.1	471.0	963.1	894.9	68.26	14.110	
13,700.0	10,365.3	13,757.0	10,383.6	34.5	34.1	91.16	3,595.1	470.9	963.0	894.5	68.50	14.058	
13,775.0	10,365.6	13,832.0	10,383.9	34.9	34.5	91.16	3,670.1	470.4	962.7	893.2	69.43	13.865	
13,800.0	10,365.7	13,857.0	10,384.0	35.1	34.7	91.16	3,695.1	470.2	962.5	892.8	69.74	13.802	
13,870.0	10,366.0	13,927.0	10,384.3	35.5	35.1	91.15	3,765.1	469.7	962.2	891.6	70.61	13.627	
13,900.0	10,366.1	13,957.0	10,384.4	35.7	35.3	91.15	3,795.1	469.5	962.1	891.1	70.99	13.553	
13,965.0	10,366.4	14,022.0	10,384.6	36.1	35.7	91.15	3,860.1	469.1	961.7	889.9	71.80	13.394	
14,000.0	10,366.5	14,057.0	10,384.8	36.3	35.9	91.15	3,895.1	468.8	961.6	889.3	72.25	13.310	
14,060.0	10,366.8	14,117.0	10,385.0	36.7	36.3	91.15	3,955.1	468.4	961.3	888.3	73.01	13.167	
14,100.0	10,366.9	14,157.0	10,385.1	37.0	36.6	91.15	3,995.1	468.2	961.1	887.6	73.51	13.074	
14,155.0	10,367.2	14,212.0	10,385.4	37.3	36.9	91.15	4,050.1	467.8	960.8	886.6	74.22	12.946	
14,200.0	10,367.3	14,257.0	10,385.5	37.6	37.2	91.15	4,095.1	467.5	960.6	885.8	74.79	12.844	
14,250.0	10,367.5	14,307.0	10,385.7	37.9	37.5	91.15	4,145.1	467.2	960.4	884.9	75.43	12.731	
14,300.0	10,367.7	14,357.0	10,385.9	38.2	37.9	91.15	4,195.1	466.8	960.1	884.0	76.08	12.620	
14,345.0	10,367.9	14,402.0	10,386.1	38.5	38.2	91.15	4,240.1	466.5	959.9	883.3	76.66	12.522	
14,400.0	10,368.2	14,457.0	10,386.3	38.9	38.5	91.15	4,295.1	466.1	959.6	882.3	77.37	12.403	
14,440.0	10,368.3	14,497.0	10,386.4	39.1	38.8	91.15	4,335.1	465.9	959.5	881.6	77.90	12.317	
14,500.0	10,368.6	14,557.0	10,386.7	39.5	39.2	91.14	4,395.1	465.5	959.2	880.5	78.68	12.191	
14,535.0	10,368.7	14,592.0	10,386.8	39.8	39.4	91.14	4,430.1	465.2	959.0	879.9	79.14	12.118	
14,600.0	10,369.0	14,657.0	10,387.0	40.2	39.8	91.14	4,495.1	464.8	958.7	878.7	79.99	11.985	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,630.0	10,369.1	14,687.0	10,387.1	40.4	40.0	91.14	4,525.1	464.6	958.5	878.2	80.39	11.924	
14,700.0	10,369.4	14,757.0	10,387.4	40.8	40.5	91.14	4,595.1	464.1	958.2	876.9	81.31	11.785	
14,725.0	10,369.5	14,782.0	10,387.5	41.0	40.7	91.14	4,620.1	464.0	958.1	876.4	81.64	11.735	
14,800.0	10,369.8	14,857.0	10,387.8	41.5	41.2	91.14	4,695.1	463.5	957.7	875.1	82.64	11.589	
14,820.0	10,369.9	14,877.0	10,387.9	41.6	41.3	91.14	4,715.1	463.3	957.6	874.7	82.90	11.551	
14,900.0	10,370.2	14,957.0	10,388.2	42.2	41.8	91.14	4,795.1	462.8	957.2	873.3	83.97	11.400	
14,915.0	10,370.3	14,972.0	10,388.2	42.3	41.9	91.14	4,810.1	462.7	957.2	873.0	84.17	11.372	
15,000.0	10,370.6	15,057.0	10,388.5	42.8	42.5	91.14	4,895.1	462.1	956.8	871.4	85.31	11.215	
15,010.0	10,370.7	15,067.0	10,388.6	42.9	42.6	91.14	4,905.1	462.0	956.7	871.3	85.44	11.197	
15,100.0	10,371.0	15,157.0	10,388.9	43.5	43.2	91.14	4,995.1	461.4	956.3	869.6	86.66	11.035	
15,105.0	10,371.1	15,162.0	10,388.9	43.5	43.2	91.14	5,000.1	461.4	956.2	869.5	86.72	11.026	
15,200.0	10,371.4	15,257.0	10,389.3	44.2	43.9	91.13	5,095.1	460.8	955.8	867.8	88.01	10.860	
15,295.0	10,371.8	15,352.0	10,389.7	44.8	44.5	91.13	5,190.1	460.1	955.3	866.0	89.30	10.698	
15,300.0	10,371.9	15,357.0	10,389.7	44.8	44.6	91.13	5,195.1	460.1	955.3	865.9	89.37	10.690	
15,390.0	10,372.2	15,447.0	10,390.0	45.5	45.2	91.13	5,285.1	459.5	954.9	864.3	90.59	10.540	
15,400.0	10,372.3	15,457.0	10,390.0	45.5	45.2	91.13	5,295.1	459.4	954.8	864.1	90.73	10.524	
15,485.0	10,372.6	15,542.0	10,390.4	46.1	45.8	91.13	5,380.1	458.8	954.4	862.5	91.89	10.386	
15,500.0	10,372.7	15,557.0	10,390.4	46.2	45.9	91.13	5,395.1	458.7	954.3	862.2	92.10	10.362	
15,580.0	10,373.0	15,637.0	10,390.7	46.8	46.5	91.13	5,475.1	458.2	954.0	860.8	93.20	10.236	
15,600.0	10,373.1	15,657.0	10,390.8	46.9	46.6	91.13	5,495.1	458.1	953.9	860.4	93.47	10.205	
15,675.0	10,373.4	15,732.0	10,391.1	47.4	47.1	91.13	5,570.1	457.6	953.5	859.0	94.50	10.089	
15,700.0	10,373.5	15,757.0	10,391.2	47.6	47.3	91.13	5,595.1	457.4	953.4	858.5	94.85	10.052	
15,770.0	10,373.8	15,827.0	10,391.4	48.1	47.8	91.13	5,665.1	456.9	953.0	857.2	95.82	9.947	
15,800.0	10,373.9	15,857.0	10,391.6	48.3	48.0	91.13	5,695.1	456.7	952.9	856.7	96.23	9.902	
15,865.0	10,374.2	15,922.0	10,391.8	48.7	48.5	91.13	5,760.0	456.3	952.6	855.5	97.13	9.807	
15,900.0	10,374.3	15,957.0	10,391.9	49.0	48.7	91.12	5,795.0	456.0	952.4	854.8	97.62	9.757	
15,960.0	10,374.6	16,017.0	10,392.2	49.4	49.1	91.12	5,855.0	455.6	952.1	853.7	98.45	9.671	
16,000.0	10,374.7	16,057.0	10,392.3	49.7	49.4	91.12	5,895.0	455.4	951.9	852.9	99.01	9.615	
16,055.0	10,375.0	16,112.0	10,392.5	50.0	49.8	91.12	5,950.0	455.0	951.7	851.9	99.78	9.538	
16,100.0	10,375.1	16,157.0	10,392.7	50.3	50.1	91.12	5,995.0	454.7	951.5	851.0	100.40	9.476	
16,150.0	10,375.3	16,207.0	10,392.9	50.7	50.4	91.12	6,045.0	454.3	951.2	850.1	101.10	9.408	
16,200.0	10,375.6	16,257.0	10,393.1	51.0	50.8	91.12	6,095.0	454.0	951.0	849.2	101.80	9.341	
16,245.0	10,375.7	16,302.0	10,393.2	51.4	51.1	91.12	6,140.0	453.7	950.8	848.3	102.43	9.282	
16,300.0	10,376.0	16,357.0	10,393.4	51.7	51.5	91.12	6,195.0	453.3	950.5	847.3	103.21	9.210	
16,340.0	10,376.1	16,397.0	10,393.6	52.0	51.8	91.12	6,235.0	453.1	950.3	846.5	103.77	9.158	
16,400.0	10,376.4	16,457.0	10,393.8	52.4	52.2	91.12	6,295.0	452.7	950.0	845.4	104.61	9.081	
16,435.0	10,376.5	16,492.0	10,393.9	52.7	52.5	91.12	6,330.0	452.4	949.8	844.7	105.10	9.037	
16,500.0	10,376.8	16,557.0	10,394.2	53.1	52.9	91.12	6,395.0	452.0	949.5	843.5	106.02	8.956	
16,530.0	10,376.9	16,587.0	10,394.3	53.4	53.1	91.12	6,425.0	451.8	949.4	842.9	106.44	8.919	
16,600.0	10,377.2	16,657.0	10,394.6	53.8	53.6	91.11	6,495.0	451.3	949.0	841.6	107.43	8.834	
16,625.0	10,377.3	16,682.0	10,394.7	54.0	53.8	91.11	6,520.0	451.1	948.9	841.1	107.79	8.804	
16,700.0	10,377.6	16,757.0	10,394.9	54.6	54.3	91.11	6,595.0	450.6	948.6	839.7	108.85	8.715	
16,720.0	10,377.7	16,777.0	10,395.0	54.7	54.5	91.11	6,615.0	450.5	948.5	839.3	109.13	8.691	
16,800.0	10,378.0	16,857.0	10,395.3	55.3	55.0	91.11	6,695.0	450.0	948.1	837.8	110.27	8.598	
16,815.0	10,378.1	16,872.0	10,395.4	55.4	55.1	91.11	6,710.0	449.9	948.0	837.5	110.48	8.581	
16,900.0	10,378.4	16,957.0	10,395.7	56.0	55.8	91.11	6,795.0	449.3	947.6	835.9	111.69	8.484	
16,910.0	10,378.5	16,967.0	10,395.7	56.0	55.8	91.11	6,805.0	449.2	947.5	835.7	111.83	8.473	
17,000.0	10,378.8	17,057.0	10,396.1	56.7	56.5	91.11	6,895.0	448.6	947.1	834.0	113.11	8.373	
17,005.0	10,378.9	17,062.0	10,396.1	56.7	56.5	91.11	6,900.0	448.6	947.1	833.9	113.18	8.368	
17,100.0	10,379.3	17,157.0	10,396.5	57.4	57.2	91.11	6,995.0	447.9	946.6	832.1	114.54	8.265	
17,195.0	10,379.6	17,252.0	10,396.8	58.1	57.9	91.11	7,090.0	447.3	946.2	830.3	115.90	8.164	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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, 9921-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,200.0	10,379.7	17,257.0	10,396.8	58.1	57.9	91.11	7,095.0	447.3	946.1	830.2	115.97	8.159	
17,290.0	10,380.0	17,347.0	10,397.2	58.7	58.5	91.10	7,185.0	446.7	945.7	828.5	117.26	8.065	
17,300.0	10,380.1	17,357.0	10,397.2	58.8	58.6	91.10	7,195.0	446.6	945.7	828.3	117.40	8.055	
17,385.0	10,380.4	17,442.0	10,397.5	59.4	59.2	91.10	7,280.0	446.0	945.3	826.6	118.62	7.969	
17,400.0	10,380.5	17,457.0	10,397.6	59.5	59.3	91.10	7,295.0	445.9	945.2	826.4	118.83	7.954	
17,480.0	10,380.8	17,537.0	10,397.9	60.1	59.9	91.10	7,375.0	445.4	944.8	824.8	119.98	7.874	
17,500.0	10,380.9	17,557.0	10,398.0	60.2	60.1	91.10	7,395.0	445.2	944.7	824.4	120.27	7.855	
17,575.0	10,381.2	17,632.0	10,398.2	60.8	60.6	91.10	7,470.0	444.7	944.3	823.0	121.35	7.782	
17,600.0	10,381.3	17,657.0	10,398.3	61.0	60.8	91.10	7,495.0	444.6	944.2	822.5	121.71	7.758	
17,670.0	10,381.6	17,727.0	10,398.6	61.5	61.3	91.10	7,565.0	444.1	943.9	821.2	122.72	7.692	
17,700.0	10,381.7	17,757.0	10,398.7	61.7	61.5	91.10	7,595.0	443.9	943.7	820.6	123.15	7.663	
17,765.0	10,382.0	17,822.0	10,399.0	62.2	62.0	91.10	7,660.0	443.5	943.4	819.3	124.09	7.603	
17,800.0	10,382.1	17,857.0	10,399.1	62.4	62.2	91.10	7,695.0	443.2	943.3	818.7	124.59	7.571	
17,860.0	10,382.4	17,917.0	10,399.3	62.8	62.7	91.10	7,755.0	442.8	943.0	817.5	125.46	7.516	
17,900.0	10,382.5	17,957.0	10,399.5	63.1	62.9	91.10	7,795.0	442.5	942.8	816.7	126.04	7.480	
17,955.0	10,382.8	18,012.0	10,399.7	63.5	63.3	91.09	7,850.0	442.2	942.5	815.7	126.83	7.431	
18,000.0	10,382.9	18,057.0	10,399.8	63.8	63.7	91.09	7,895.0	441.9	942.3	814.8	127.48	7.392	
18,044.3	10,383.1	18,096.7	10,400.0	64.2	64.0	91.09	7,934.7	441.6	942.1	814.0	128.09	7.355	
18,050.0	10,383.2	18,096.7	10,400.0	64.2	64.0	91.09	7,934.7	441.6	942.1	814.0	128.12	7.353	
18,100.0	10,383.4	18,096.7	10,400.0	64.6	64.0	91.09	7,934.7	441.6	943.7	815.5	128.26	7.358	
18,145.0	10,383.5	18,096.7	10,400.0	64.9	64.0	91.09	7,934.7	441.6	947.5	819.4	128.11	7.396	
18,200.0	10,383.8	18,096.7	10,400.0	65.3	64.0	91.09	7,934.7	441.6	954.9	827.3	127.59	7.484	
18,240.0	10,383.9	18,096.7	10,400.0	65.6	64.0	91.09	7,934.7	441.6	962.2	835.2	126.99	7.577	
18,300.0	10,384.2	18,096.7	10,400.0	66.0	64.0	91.09	7,934.7	441.6	976.2	850.4	125.77	7.762	
18,335.0	10,384.3	18,096.7	10,400.0	66.3	64.0	91.09	7,934.7	441.6	985.9	861.0	124.89	7.894	
18,400.0	10,384.6	18,096.7	10,400.0	66.7	64.0	91.09	7,934.7	441.6	1,007.0	884.0	123.00	8.187	
18,430.0	10,384.7	18,096.7	10,400.0	67.0	64.0	91.09	7,934.7	441.6	1,018.0	896.0	122.03	8.342	
18,500.0	10,385.0	18,096.7	10,400.0	67.5	64.0	91.09	7,934.7	441.6	1,046.5	927.0	119.55	8.754	
18,525.0	10,385.1	18,096.7	10,400.0	67.6	64.0	91.09	7,934.7	441.6	1,057.7	939.1	118.61	8.917	
18,600.0	10,385.4	18,096.7	10,400.0	68.2	64.0	91.09	7,934.7	441.6	1,093.8	978.1	115.66	9.457	
18,620.0	10,385.5	18,096.7	10,400.0	68.3	64.0	91.09	7,934.7	441.6	1,104.1	989.2	114.85	9.613	
18,700.0	10,385.8	18,096.7	10,400.0	68.9	64.0	91.09	7,934.7	441.6	1,147.8	1,036.3	111.56	10.289	
18,715.0	10,385.9	18,096.7	10,400.0	69.0	64.0	91.09	7,934.7	441.6	1,156.5	1,045.5	110.94	10.424	
18,800.0	10,386.2	18,096.7	10,400.0	69.6	64.0	91.09	7,934.7	441.6	1,207.8	1,100.3	107.42	11.243	
18,810.0	10,386.3	18,096.7	10,400.0	69.7	64.0	91.09	7,934.7	441.6	1,214.0	1,107.0	107.01	11.345	
18,900.0	10,386.6	18,096.7	10,400.0	70.4	64.0	91.09	7,934.7	441.6	1,272.7	1,169.3	103.38	12.311	
18,905.0	10,386.7	18,096.7	10,400.0	70.4	64.0	91.09	7,934.7	441.6	1,276.1	1,172.9	103.19	12.367	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	89.75	0.1	30.0	30.0				
95.0	95.0	94.4	94.4	3.0	3.0	89.75	0.1	30.0	30.0	24.0	6.05	4.959	
100.0	100.0	99.4	99.4	3.0	3.0	89.75	0.1	30.0	30.0	23.9	6.06	4.954	
190.0	190.0	189.4	189.4	3.1	3.1	89.75	0.1	30.0	30.0	23.7	6.27	4.787	
200.0	200.0	199.4	199.4	3.2	3.2	89.75	0.1	30.0	30.0	23.7	6.30	4.762	
285.0	285.0	284.4	284.4	3.3	3.3	89.75	0.1	30.0	30.0	23.5	6.50	4.618	
300.0	300.0	299.4	299.4	3.3	3.3	89.75	0.1	30.0	30.0	23.5	6.54	4.590	
380.0	380.0	379.4	379.4	3.4	3.4	89.75	0.1	30.0	30.0	23.3	6.72	4.467	
400.0	400.0	399.4	399.4	3.4	3.4	89.75	0.1	30.0	30.0	23.2	6.76	4.436	
475.0	475.0	474.4	474.4	3.5	3.5	89.75	0.1	30.0	30.0	23.1	6.93	4.331	
500.0	500.0	499.4	499.4	3.5	3.5	89.75	0.1	30.0	30.0	23.0	6.98	4.296	
570.0	570.0	569.4	569.4	3.6	3.6	89.75	0.1	30.0	30.0	22.9	7.13	4.207	
600.0	600.0	599.4	599.4	3.6	3.6	89.75	0.1	30.0	30.0	22.8	7.20	4.169	
665.0	665.0	664.4	664.4	3.7	3.7	89.75	0.1	30.0	30.0	22.7	7.33	4.093	
700.0	700.0	699.4	699.4	3.8	3.8	89.75	0.1	30.0	30.0	22.6	7.40	4.052	
760.0	760.0	759.4	759.4	3.8	3.8	89.75	0.1	30.0	30.0	22.5	7.52	3.987	
800.0	800.0	799.4	799.4	3.9	3.9	89.75	0.1	30.0	30.0	22.4	7.61	3.945	
855.0	855.0	854.4	854.4	4.0	4.0	89.75	0.1	30.0	30.0	22.3	7.71	3.890	
900.0	900.0	899.4	899.4	4.0	4.0	89.75	0.1	30.0	30.0	22.2	7.80	3.845	
950.0	950.0	949.4	949.4	4.1	4.1	89.75	0.1	30.0	30.0	22.1	7.90	3.799	
1,000.0	1,000.0	999.4	999.4	4.1	4.1	89.75	0.1	30.0	30.0	22.0	7.99	3.753	
1,045.0	1,045.0	1,044.4	1,044.4	4.2	4.2	89.75	0.1	30.0	30.0	21.9	8.08	3.714	
1,100.0	1,100.0	1,099.4	1,099.4	4.3	4.3	89.75	0.1	30.0	30.0	21.8	8.18	3.667	
1,140.0	1,140.0	1,139.4	1,139.4	4.3	4.3	89.75	0.1	30.0	30.0	21.7	8.25	3.635	
1,200.0	1,200.0	1,199.4	1,199.4	4.4	4.4	89.75	0.1	30.0	30.0	21.6	8.36	3.587	
1,235.0	1,235.0	1,234.4	1,234.4	4.4	4.4	89.75	0.1	30.0	30.0	21.6	8.43	3.561	
1,300.0	1,300.0	1,299.4	1,299.4	4.5	4.5	89.75	0.1	30.0	30.0	21.5	8.54	3.512	
1,330.0	1,330.0	1,329.4	1,329.4	4.5	4.5	89.75	0.1	30.0	30.0	21.4	8.59	3.491	
1,400.0	1,400.0	1,399.4	1,399.4	4.6	4.6	89.75	0.1	30.0	30.0	21.3	8.72	3.441	
1,425.0	1,425.0	1,424.4	1,424.4	4.6	4.6	89.75	0.1	30.0	30.0	21.2	8.76	3.425	
1,500.0	1,500.0	1,499.4	1,499.4	4.7	4.7	89.75	0.1	30.0	30.0	21.1	8.89	3.375	CC, ES
1,520.0	1,520.0	1,519.4	1,519.4	4.7	4.7	176.47	0.1	30.0	30.1	21.1	8.94	3.362	SF
1,600.0	1,600.0	1,599.4	1,599.4	4.8	4.8	176.66	0.1	30.0	31.7	22.6	9.17	3.463	
1,615.0	1,615.0	1,614.4	1,614.4	4.8	4.9	176.71	0.1	30.0	32.3	23.1	9.22	3.503	
1,700.0	1,699.8	1,699.2	1,699.2	5.0	5.0	177.12	0.1	30.0	37.0	27.4	9.53	3.879	
1,710.0	1,709.8	1,709.2	1,709.2	5.0	5.0	177.18	0.1	30.0	37.7	28.1	9.57	3.939	
1,800.0	1,799.5	1,798.9	1,798.9	5.2	5.1	177.67	0.1	30.0	45.7	35.8	9.91	4.611	
1,805.0	1,804.4	1,803.8	1,803.8	5.2	5.1	177.69	0.1	30.0	46.2	36.3	9.93	4.655	
1,900.0	1,898.7	1,898.1	1,898.1	5.5	5.2	178.15	0.1	30.0	57.9	47.6	10.30	5.618	
1,995.0	1,992.8	1,992.2	1,992.2	5.8	5.3	178.49	0.1	30.0	71.1	60.5	10.60	6.702	
2,000.0	1,997.7	1,997.1	1,997.1	5.8	5.3	178.51	0.1	30.0	71.8	61.1	10.62	6.758	
2,090.0	2,086.9	2,086.3	2,086.3	6.0	5.5	178.73	0.1	30.0	84.3	73.3	11.00	7.666	
2,100.0	2,096.8	2,096.2	2,096.2	6.0	5.5	178.75	0.1	30.0	85.7	74.6	11.04	7.763	
2,185.0	2,180.9	2,180.3	2,180.3	6.3	5.6	178.90	0.1	30.0	97.5	86.1	11.40	8.554	
2,200.0	2,195.8	2,195.2	2,195.2	6.3	5.6	178.93	0.1	30.0	99.6	88.1	11.46	8.688	
2,280.0	2,275.0	2,274.4	2,274.4	6.6	5.7	179.03	0.1	30.0	110.7	98.9	11.81	9.372	
2,300.0	2,294.8	2,294.2	2,294.2	6.6	5.7	179.06	0.1	30.0	113.5	101.6	11.90	9.536	
2,375.0	2,369.1	2,368.5	2,368.5	6.8	5.8	179.14	0.1	30.0	123.9	111.7	12.24	10.126	
2,400.0	2,393.8	2,393.2	2,393.2	6.9	5.9	179.16	0.1	30.0	127.4	115.1	12.35	10.314	
2,470.0	2,463.2	2,462.6	2,462.6	7.2	6.0	179.22	0.1	30.0	137.2	124.5	12.68	10.820	
2,500.0	2,492.9	2,492.3	2,492.3	7.3	6.0	179.24	0.1	30.0	141.3	128.5	12.82	11.029	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,565.0	2,557.2	2,556.6	2,556.6	7.5	6.1	179.29	0.1	30.0	150.4	137.3	13.12	11.462	
2,600.0	2,591.9	2,591.3	2,591.3	7.6	6.1	179.31	0.1	30.0	155.3	142.0	13.29	11.686	
2,660.0	2,651.3	2,650.7	2,650.7	7.8	6.2	179.35	0.1	30.0	163.6	150.0	13.57	12.055	
2,700.0	2,690.9	2,690.3	2,690.3	7.9	6.2	179.37	0.1	30.0	169.2	155.4	13.76	12.292	
2,755.0	2,745.4	2,744.8	2,744.8	8.1	6.3	179.39	0.1	30.0	176.8	162.8	14.03	12.604	
2,800.0	2,789.9	2,789.3	2,789.3	8.3	6.4	179.42	0.1	30.0	183.1	168.8	14.25	12.851	
2,850.0	2,839.5	2,838.9	2,838.9	8.5	6.4	179.44	0.1	30.0	190.0	175.6	14.49	13.114	
2,900.0	2,889.0	2,888.4	2,888.4	8.6	6.5	179.46	0.1	30.0	197.0	182.3	14.74	13.368	
2,945.0	2,933.5	2,932.9	2,932.9	8.8	6.5	179.47	0.1	30.0	203.3	188.3	14.96	13.588	
3,000.0	2,988.0	2,987.4	2,987.4	9.0	6.6	179.49	0.1	30.0	210.9	195.7	15.23	13.848	
3,040.0	3,027.6	3,027.0	3,027.0	9.2	6.7	179.51	0.1	30.0	216.5	201.1	15.43	14.030	
3,100.0	3,087.0	3,086.4	3,086.4	9.4	6.7	179.52	0.1	30.0	224.8	209.1	15.73	14.294	
3,135.0	3,121.7	3,121.1	3,121.1	9.5	6.8	179.53	0.1	30.0	229.7	213.8	15.91	14.442	
3,200.0	3,186.0	3,185.4	3,185.4	9.8	6.8	179.55	0.1	30.0	238.8	222.5	16.23	14.709	
3,230.0	3,215.8	3,215.2	3,215.2	9.9	6.9	179.56	0.1	30.0	242.9	226.5	16.38	14.828	
3,300.0	3,285.1	3,284.5	3,284.5	10.1	7.0	179.58	0.1	30.0	252.7	235.9	16.74	15.097	
3,325.0	3,309.8	3,309.2	3,309.2	10.2	7.0	179.58	0.1	30.0	256.2	239.3	16.86	15.189	
3,400.0	3,384.1	3,383.5	3,383.5	10.5	7.1	179.60	0.1	30.0	266.6	249.3	17.25	15.459	
3,420.0	3,403.9	3,403.3	3,403.3	10.6	7.1	179.60	0.1	30.0	269.4	252.0	17.35	15.528	
3,500.0	3,483.1	3,482.5	3,482.5	10.9	7.2	179.62	0.1	30.0	280.5	262.8	17.76	15.799	
3,515.0	3,498.0	3,497.4	3,497.4	11.0	7.2	179.62	0.1	30.0	282.6	264.8	17.83	15.848	
3,600.0	3,582.2	3,581.6	3,581.6	11.3	7.3	179.64	0.1	30.0	294.4	276.2	18.27	16.117	
3,610.0	3,592.1	3,591.5	3,591.5	11.4	7.3	179.64	0.1	30.0	295.8	277.5	18.32	16.148	
3,700.0	3,681.2	3,680.6	3,680.6	11.7	7.4	179.65	0.1	30.0	308.3	289.6	18.78	16.417	
3,705.0	3,686.1	3,685.5	3,685.5	11.7	7.4	179.65	0.1	30.0	309.0	290.2	18.81	16.432	
3,800.0	3,780.2	3,779.6	3,779.6	12.1	7.5	179.67	0.1	30.0	322.3	303.0	19.30	16.700	
3,895.0	3,874.3	3,873.7	3,873.7	12.5	7.6	179.68	0.1	30.0	335.5	315.7	19.79	16.953	
3,900.0	3,879.2	3,878.6	3,878.6	12.5	7.6	179.68	0.1	30.0	336.2	316.4	19.81	16.966	
3,990.0	3,968.4	3,967.8	3,967.8	12.9	7.7	179.69	0.1	30.0	348.7	328.4	20.28	17.194	
4,000.0	3,978.3	3,977.7	3,977.7	12.9	7.7	179.69	0.1	30.0	350.1	329.8	20.33	17.219	
4,085.0	4,062.4	4,061.8	4,061.8	13.3	7.8	179.70	0.1	30.0	361.9	341.2	20.77	17.422	
4,100.0	4,077.3	4,076.7	4,076.7	13.3	7.9	179.71	0.1	30.0	364.0	343.2	20.85	17.457	
4,180.0	4,156.5	4,155.9	4,155.9	13.6	7.9	179.71	0.1	30.0	375.1	353.9	21.27	17.639	
4,200.0	4,176.3	4,175.7	4,175.7	13.7	8.0	179.72	0.1	30.0	377.9	356.6	21.37	17.684	
4,275.0	4,250.6	4,250.0	4,250.0	14.0	8.0	179.72	0.1	30.0	388.4	366.6	21.76	17.846	
4,300.0	4,275.3	4,274.7	4,274.7	14.1	8.1	179.73	0.1	30.0	391.8	370.0	21.89	17.898	
4,370.0	4,344.7	4,344.1	4,344.1	14.4	8.1	179.73	0.1	30.0	401.6	379.3	22.26	18.043	
4,400.0	4,374.4	4,373.8	4,373.8	14.5	8.2	179.74	0.1	30.0	405.8	383.4	22.41	18.103	
4,465.0	4,438.7	4,438.1	4,438.1	14.8	8.3	179.74	0.1	30.0	414.8	392.1	22.75	18.230	
4,500.0	4,473.4	4,472.8	4,472.8	15.0	8.3	179.74	0.1	30.0	419.7	396.7	22.94	18.297	
4,560.0	4,532.8	4,532.2	4,532.2	15.2	8.4	179.75	0.1	30.0	428.0	404.8	23.25	18.410	
4,600.0	4,572.4	4,571.8	4,571.8	15.4	8.4	179.75	0.1	30.0	433.6	410.1	23.46	18.483	
4,655.0	4,626.9	4,626.3	4,626.3	15.6	8.5	179.76	0.1	30.0	441.3	417.5	23.75	18.581	
4,700.0	4,671.5	4,670.9	4,670.9	15.8	8.5	179.76	0.1	30.0	447.5	423.5	23.98	18.660	
4,750.0	4,721.0	4,720.4	4,720.4	16.0	8.6	179.76	0.1	30.0	454.5	430.2	24.24	18.748	
4,790.0	4,760.6	4,760.0	4,760.0	16.1	8.6	179.77	0.1	30.0	460.0	435.6	24.45	18.817	
4,800.0	4,770.5	4,769.9	4,769.9	16.2	8.6	179.77	0.1	30.0	461.4	436.9	24.50	18.836	
4,845.0	4,815.1	4,814.5	4,814.5	16.4	8.7	179.77	0.1	30.0	467.4	442.7	24.73	18.902	
4,900.0	4,869.6	4,869.0	4,869.0	16.6	8.7	179.77	0.1	30.0	474.3	449.3	25.01	18.962	
4,940.0	4,909.4	4,908.8	4,908.8	16.8	8.8	179.78	0.1	30.0	479.0	453.8	25.22	18.995	
5,000.0	4,969.0	4,968.4	4,968.4	17.0	8.8	179.78	0.1	30.0	485.5	459.9	25.52	19.023	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	5,003.8	5,003.2	5,003.2	17.1	8.9	179.78	0.1	30.0	488.9	463.3	25.69	19.031	
5,100.0	5,068.6	5,068.0	5,068.0	17.4	8.9	179.79	0.1	30.0	494.9	468.9	26.01	19.025	
5,130.0	5,098.5	5,097.9	5,097.9	17.5	9.0	179.79	0.1	30.0	497.3	471.2	26.15	19.016	
5,200.0	5,168.3	5,167.7	5,167.7	17.7	9.0	179.79	0.1	30.0	502.5	476.1	26.49	18.973	
5,225.0	5,193.2	5,192.6	5,192.6	17.8	9.1	179.79	0.1	30.0	504.2	477.6	26.60	18.954	
5,300.0	5,268.1	5,267.5	5,267.5	18.1	9.1	179.79	0.1	30.0	508.5	481.5	26.94	18.873	
5,320.0	5,288.1	5,287.5	5,287.5	18.2	9.1	179.79	0.1	30.0	509.4	482.4	27.03	18.849	
5,400.0	5,368.0	5,367.4	5,367.4	18.4	9.2	179.79	0.1	30.0	512.7	485.3	27.37	18.729	
5,415.0	5,383.0	5,382.4	5,382.4	18.5	9.2	179.79	0.1	30.0	513.1	485.7	27.43	18.706	
5,500.0	5,468.0	5,467.4	5,467.4	18.7	9.3	179.79	0.1	30.0	515.1	487.3	27.76	18.552	
5,510.0	5,478.0	5,477.4	5,477.4	18.7	9.3	179.79	0.1	30.0	515.2	487.5	27.79	18.541	
5,590.0	5,558.0	5,557.4	5,557.4	18.8	9.4	93.08	0.1	30.0	515.8	487.8	27.99	18.427	
5,600.0	5,568.0	5,567.4	5,567.4	18.8	9.4	93.08	0.1	30.0	515.8	487.8	28.00	18.420	
5,605.0	5,573.0	5,572.4	5,572.4	18.8	9.4	93.08	0.1	30.0	515.8	487.8	28.01	18.415	
5,700.0	5,668.0	5,667.4	5,667.4	18.9	9.5	93.08	0.1	30.0	515.8	487.7	28.15	18.325	
5,795.0	5,763.0	5,762.4	5,762.4	18.9	9.6	93.08	0.1	30.0	515.8	487.5	28.29	18.236	
5,800.0	5,768.0	5,767.4	5,767.4	18.9	9.6	93.08	0.1	30.0	515.8	487.5	28.29	18.231	
5,890.0	5,858.0	5,857.4	5,857.4	18.9	9.7	93.08	0.1	30.0	515.8	487.4	28.42	18.148	
5,900.0	5,868.0	5,867.4	5,867.4	19.0	9.7	93.08	0.1	30.0	515.8	487.4	28.44	18.138	
5,985.0	5,953.0	5,952.4	5,952.4	19.0	9.8	93.08	0.1	30.0	515.8	487.2	28.56	18.060	
6,000.0	5,968.0	5,967.4	5,967.4	19.0	9.8	93.08	0.1	30.0	515.8	487.2	28.58	18.047	
6,080.0	6,048.0	6,047.4	6,047.4	19.0	9.9	93.08	0.1	30.0	515.8	487.1	28.70	17.974	
6,100.0	6,068.0	6,067.4	6,067.4	19.0	9.9	93.08	0.1	30.0	515.8	487.1	28.73	17.956	
6,175.0	6,143.0	6,142.4	6,142.4	19.1	10.0	93.08	0.1	30.0	515.8	487.0	28.83	17.889	
6,200.0	6,168.0	6,167.4	6,167.4	19.1	10.0	93.08	0.1	30.0	515.8	486.9	28.87	17.866	
6,270.0	6,238.0	6,237.4	6,237.4	19.1	10.1	93.08	0.1	30.0	515.8	486.8	28.97	17.804	
6,300.0	6,268.0	6,267.4	6,267.4	19.1	10.1	93.08	0.1	30.0	515.8	486.8	29.01	17.778	
6,365.0	6,333.0	6,332.4	6,332.4	19.1	10.2	93.08	0.1	30.0	515.8	486.7	29.11	17.721	
6,400.0	6,368.0	6,367.4	6,367.4	19.2	10.2	93.08	0.1	30.0	515.8	486.6	29.16	17.690	
6,460.0	6,428.0	6,427.4	6,427.4	19.2	10.3	93.08	0.1	30.0	515.8	486.6	29.24	17.638	
6,500.0	6,468.0	6,467.4	6,467.4	19.2	10.3	93.08	0.1	30.0	515.8	486.5	29.30	17.603	
6,555.0	6,523.0	6,522.4	6,522.4	19.2	10.4	93.08	0.1	30.0	515.8	486.4	29.38	17.556	
6,600.0	6,568.0	6,567.4	6,567.4	19.2	10.4	93.08	0.1	30.0	515.8	486.4	29.45	17.518	
6,650.0	6,618.0	6,617.4	6,617.4	19.3	10.5	93.08	0.1	30.0	515.8	486.3	29.52	17.475	
6,700.0	6,668.0	6,667.4	6,667.4	19.3	10.5	93.08	0.1	30.0	515.8	486.2	29.59	17.433	
6,745.0	6,713.0	6,712.4	6,712.4	19.3	10.6	93.08	0.1	30.0	515.8	486.2	29.65	17.395	
6,800.0	6,768.0	6,767.4	6,767.4	19.3	10.6	93.08	0.1	30.0	515.8	486.1	29.73	17.349	
6,840.0	6,808.0	6,807.4	6,807.4	19.3	10.7	93.08	0.1	30.0	515.8	486.0	29.79	17.315	
6,900.0	6,868.0	6,867.4	6,867.4	19.4	10.7	93.08	0.1	30.0	515.8	485.9	29.88	17.265	
6,935.0	6,903.0	6,902.4	6,902.4	19.4	10.8	93.08	0.1	30.0	515.8	485.9	29.93	17.236	
7,000.0	6,968.0	6,967.4	6,967.4	19.4	10.8	93.08	0.1	30.0	515.8	485.8	30.02	17.183	
7,030.0	6,998.0	6,997.4	6,997.4	19.4	10.9	93.08	0.1	30.0	515.8	485.7	30.06	17.158	
7,100.0	7,068.0	7,067.4	7,067.4	19.5	10.9	93.08	0.1	30.0	515.8	485.6	30.16	17.101	
7,125.0	7,093.0	7,092.4	7,092.4	19.5	11.0	93.08	0.1	30.0	515.8	485.6	30.20	17.081	
7,200.0	7,168.0	7,167.4	7,167.4	19.5	11.0	93.08	0.1	30.0	515.8	485.5	30.30	17.021	
7,220.0	7,188.0	7,187.4	7,187.4	19.5	11.1	93.08	0.1	30.0	515.8	485.5	30.33	17.004	
7,300.0	7,268.0	7,267.4	7,267.4	19.5	11.1	93.08	0.1	30.0	515.8	485.4	30.45	16.941	
7,315.0	7,283.0	7,282.4	7,282.4	19.6	11.1	93.08	0.1	30.0	515.8	485.3	30.47	16.929	
7,400.0	7,368.0	7,367.4	7,367.4	19.6	11.2	93.08	0.1	30.0	515.8	485.2	30.59	16.861	
7,410.0	7,378.0	7,377.4	7,377.4	19.6	11.2	93.08	0.1	30.0	515.8	485.2	30.61	16.853	
7,500.0	7,468.0	7,467.4	7,467.4	19.6	11.3	93.08	0.1	30.0	515.8	485.1	30.73	16.783	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,505.0	7,473.0	7,472.4	7,472.4	19.6	11.3	93.08	0.1	30.0	515.8	485.1	30.74	16.779	
7,600.0	7,568.0	7,567.4	7,567.4	19.7	11.4	93.08	0.1	30.0	515.8	484.9	30.88	16.705	
7,695.0	7,663.0	7,662.4	7,662.4	19.7	11.5	93.08	0.1	30.0	515.8	484.8	31.01	16.632	
7,700.0	7,668.0	7,667.4	7,667.4	19.7	11.5	93.08	0.1	30.0	515.8	484.8	31.02	16.628	
7,790.0	7,758.0	7,757.4	7,757.4	19.8	11.6	93.08	0.1	30.0	515.8	484.7	31.15	16.560	
7,800.0	7,768.0	7,767.4	7,767.4	19.8	11.6	93.08	0.1	30.0	515.8	484.6	31.16	16.552	
7,885.0	7,853.0	7,852.4	7,852.4	19.8	11.7	93.08	0.1	30.0	515.8	484.5	31.28	16.488	
7,900.0	7,868.0	7,867.4	7,867.4	19.8	11.7	93.08	0.1	30.0	515.8	484.5	31.31	16.476	
7,980.0	7,948.0	7,947.4	7,947.4	19.8	11.8	93.08	0.1	30.0	515.8	484.4	31.42	16.417	
8,000.0	7,968.0	7,967.4	7,967.4	19.9	11.8	93.08	0.1	30.0	515.8	484.4	31.45	16.402	
8,075.0	8,043.0	8,042.4	8,042.4	19.9	11.9	93.08	0.1	30.0	515.8	484.3	31.56	16.346	
8,100.0	8,068.0	8,067.4	8,067.4	19.9	11.9	93.08	0.1	30.0	515.8	484.2	31.59	16.327	
8,170.0	8,138.0	8,137.4	8,137.4	19.9	12.0	93.08	0.1	30.0	515.8	484.1	31.69	16.276	
8,200.0	8,168.0	8,167.4	8,167.4	20.0	12.0	93.08	0.1	30.0	515.8	484.1	31.73	16.254	
8,265.0	8,233.0	8,232.4	8,232.4	20.0	12.1	93.08	0.1	30.0	515.8	484.0	31.83	16.207	
8,300.0	8,268.0	8,267.4	8,267.4	20.0	12.1	93.08	0.1	30.0	515.8	483.9	31.88	16.181	
8,360.0	8,328.0	8,327.4	8,327.4	20.0	12.1	93.08	0.1	30.0	515.8	483.8	31.96	16.138	
8,400.0	8,368.0	8,367.4	8,367.4	20.0	12.2	93.08	0.1	30.0	515.8	483.8	32.02	16.109	
8,455.0	8,423.0	8,422.4	8,422.4	20.1	12.2	93.08	0.1	30.0	515.8	483.7	32.10	16.069	
8,500.0	8,468.0	8,467.4	8,467.4	20.1	12.3	93.08	0.1	30.0	515.8	483.6	32.16	16.037	
8,550.0	8,518.0	8,517.4	8,517.4	20.1	12.3	93.08	0.1	30.0	515.8	483.6	32.23	16.002	
8,600.0	8,568.0	8,567.4	8,567.4	20.1	12.4	93.08	0.1	30.0	515.8	483.5	32.31	15.966	
8,645.0	8,613.0	8,612.4	8,612.4	20.2	12.4	93.08	0.1	30.0	515.8	483.4	32.37	15.935	
8,700.0	8,668.0	8,667.4	8,667.4	20.2	12.5	93.08	0.1	30.0	515.8	483.4	32.45	15.896	
8,740.0	8,708.0	8,707.4	8,707.4	20.2	12.5	93.08	0.1	30.0	515.8	483.3	32.51	15.868	
8,800.0	8,768.0	8,767.4	8,767.4	20.2	12.6	93.08	0.1	30.0	515.8	483.2	32.59	15.826	
8,835.0	8,803.0	8,802.4	8,802.4	20.2	12.6	93.08	0.1	30.0	515.8	483.2	32.64	15.802	
8,900.0	8,868.0	8,867.4	8,867.4	20.3	12.7	93.08	0.1	30.0	515.8	483.1	32.73	15.757	
8,930.0	8,898.0	8,897.4	8,897.4	20.3	12.7	93.08	0.1	30.0	515.8	483.0	32.78	15.737	
9,000.0	8,968.0	8,967.4	8,967.4	20.3	12.7	93.08	0.1	30.0	515.8	482.9	32.88	15.689	
9,025.0	8,993.0	8,992.4	8,992.4	20.3	12.8	93.08	0.1	30.0	515.8	482.9	32.91	15.672	
9,100.0	9,068.0	9,067.4	9,067.4	20.4	12.8	93.08	0.1	30.0	515.8	482.8	33.02	15.621	
9,120.0	9,088.0	9,087.4	9,087.4	20.4	12.9	93.08	0.1	30.0	515.8	482.8	33.05	15.607	
9,200.0	9,168.0	9,167.4	9,167.4	20.4	12.9	93.08	0.1	30.0	515.8	482.6	33.16	15.554	
9,215.0	9,183.0	9,182.4	9,182.4	20.4	12.9	93.08	0.1	30.0	515.8	482.6	33.18	15.544	
9,300.0	9,268.0	9,267.4	9,267.4	20.5	13.0	93.08	0.1	30.0	515.8	482.5	33.31	15.487	
9,310.0	9,278.0	9,277.4	9,277.4	20.5	13.0	93.08	0.1	30.0	515.8	482.5	33.32	15.480	
9,400.0	9,368.0	9,367.4	9,367.4	20.5	13.1	93.08	0.1	30.0	515.8	482.4	33.45	15.421	
9,405.0	9,373.0	9,372.4	9,372.4	20.5	13.1	93.08	0.1	30.0	515.8	482.3	33.46	15.417	
9,500.0	9,468.0	9,467.4	9,467.4	20.6	13.2	93.08	0.1	30.0	515.8	482.2	33.59	15.355	
9,595.0	9,563.0	9,562.4	9,562.4	20.6	13.3	93.08	0.1	30.0	515.8	482.1	33.73	15.293	
9,600.0	9,568.0	9,567.4	9,567.4	20.6	13.3	93.08	0.1	30.0	515.8	482.1	33.74	15.290	
9,690.0	9,658.0	9,657.4	9,657.4	20.7	13.4	93.08	0.1	30.0	515.8	481.9	33.86	15.232	
9,700.0	9,668.0	9,667.4	9,667.4	20.7	13.4	93.08	0.1	30.0	515.8	481.9	33.88	15.225	
9,785.0	9,753.0	9,752.4	9,752.4	20.7	13.5	93.08	0.1	30.0	515.8	481.8	34.00	15.171	
9,800.0	9,768.0	9,767.4	9,767.4	20.7	13.5	93.08	0.1	30.0	515.8	481.8	34.02	15.161	
9,812.1	9,780.0	9,779.4	9,779.4	20.7	13.5	93.08	0.1	30.0	515.8	481.8	34.04	15.155	
9,850.0	9,818.0	9,817.4	9,817.4	20.7	13.5	93.32	0.1	30.0	515.9	481.8	34.08	15.138	
9,880.0	9,847.8	9,847.2	9,847.2	20.7	13.6	93.61	0.1	30.0	516.0	481.9	34.11	15.129	
9,900.0	9,867.6	9,867.0	9,867.0	20.7	13.6	93.89	0.1	30.0	516.2	482.1	34.13	15.124	
9,950.0	9,916.6	9,916.0	9,916.0	20.7	13.6	94.88	0.1	30.0	517.0	482.8	34.18	15.124	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,975.0	9,940.8	9,940.2	9,940.2	20.7	13.6	95.51	0.1	30.0	517.6	483.4	34.21	15.131	
10,000.0	9,964.6	9,964.0	9,964.0	20.7	13.7	96.22	0.1	30.0	518.4	484.2	34.23	15.146	
10,050.0	10,011.2	10,010.6	10,010.6	20.8	13.7	97.83	0.1	30.0	520.8	486.5	34.25	15.204	
10,070.0	10,029.4	10,028.8	10,028.8	20.8	13.7	98.53	0.1	30.0	522.1	487.9	34.25	15.243	
10,100.0	10,056.0	10,055.4	10,055.4	20.8	13.7	99.62	0.1	30.0	524.5	490.3	34.25	15.317	
10,150.0	10,098.7	10,104.0	10,104.0	20.8	13.8	101.77	0.5	30.0	530.0	495.8	34.22	15.488	
10,165.0	10,111.1	10,123.0	10,123.0	20.8	13.8	102.63	1.6	29.9	531.9	497.6	34.22	15.541	
10,200.0	10,139.0	10,169.9	10,169.5	20.8	13.8	104.65	7.6	29.6	536.3	502.0	34.25	15.657	
10,250.0	10,176.6	10,243.5	10,240.7	20.8	13.8	107.49	26.0	28.6	542.6	508.2	34.38	15.780	
10,260.0	10,183.7	10,259.3	10,255.5	20.8	13.9	108.04	31.4	28.3	543.8	509.3	34.43	15.795	
10,300.0	10,211.1	10,325.7	10,315.7	20.8	13.9	110.16	59.2	26.9	548.1	513.5	34.66	15.813	
10,350.0	10,242.4	10,416.4	10,390.5	20.9	14.0	112.46	110.1	24.1	552.3	517.2	35.13	15.724	
10,355.0	10,245.3	10,425.9	10,397.8	20.9	14.0	112.66	116.2	23.8	552.6	517.5	35.18	15.708	
10,400.0	10,270.1	10,514.2	10,458.9	20.9	14.1	114.16	179.7	20.4	554.4	518.7	35.73	15.518	
10,450.0	10,294.1	10,616.2	10,513.5	20.9	14.3	115.03	265.5	15.9	553.8	517.5	36.34	15.240	
10,500.0	10,314.2	10,718.3	10,548.7	21.0	14.4	114.98	361.0	10.8	550.3	513.5	36.81	14.951	
10,545.0	10,328.8	10,806.7	10,562.1	21.0	14.4	114.17	448.2	6.1	544.9	507.9	37.03	14.715	
10,550.0	10,330.2	10,816.2	10,562.6	21.0	14.4	114.05	457.7	5.6	544.2	507.1	37.04	14.691	
10,600.0	10,342.1	10,867.7	10,563.1	21.1	14.4	113.61	509.1	3.1	537.3	500.2	37.09	14.484	
10,640.0	10,348.5	10,900.0	10,563.2	21.1	14.4	113.50	541.3	1.9	533.5	496.3	37.16	14.357	
10,650.0	10,349.6	10,909.9	10,563.2	21.1	14.4	113.46	551.3	1.6	532.8	495.6	37.19	14.328	
10,700.0	10,352.9	10,952.6	10,563.4	21.2	14.4	113.42	593.9	0.8	530.8	493.4	37.33	14.217	
10,709.7	10,353.0	10,960.9	10,563.4	21.2	14.4	113.43	602.2	0.7	530.7	493.3	37.37	14.201	
10,735.0	10,353.1	10,985.1	10,563.5	21.3	14.5	113.43	626.4	0.6	530.5	493.1	37.47	14.160	
10,800.0	10,353.4	11,050.1	10,563.7	21.4	14.6	113.44	691.4	0.1	530.2	492.5	37.75	14.046	
10,830.0	10,353.5	11,080.1	10,563.8	21.5	14.7	113.44	721.4	-0.1	530.1	492.2	37.89	13.990	
10,900.0	10,353.8	11,150.1	10,564.0	21.6	14.9	113.45	791.4	-0.5	529.7	491.5	38.23	13.855	
10,925.0	10,353.9	11,175.1	10,564.1	21.7	15.0	113.45	816.4	-0.7	529.6	491.2	38.37	13.804	
11,000.0	10,354.2	11,250.1	10,564.3	21.8	15.3	113.46	891.4	-1.2	529.3	490.5	38.78	13.649	
11,020.0	10,354.3	11,270.1	10,564.3	21.9	15.3	113.46	911.4	-1.4	529.2	490.3	38.89	13.606	
11,100.0	10,354.6	11,350.1	10,564.6	22.1	15.6	113.47	991.4	-1.9	528.8	489.4	39.37	13.431	
11,115.0	10,354.7	11,365.1	10,564.6	22.1	15.7	113.47	1,006.4	-2.0	528.7	489.2	39.46	13.397	
11,200.0	10,355.0	11,450.1	10,564.9	22.4	16.0	113.48	1,091.4	-2.6	528.3	488.3	40.01	13.203	
11,210.0	10,355.1	11,460.1	10,564.9	22.4	16.1	113.48	1,101.4	-2.6	528.2	488.2	40.08	13.179	
11,300.0	10,355.4	11,550.1	10,565.2	22.7	16.5	113.49	1,191.3	-3.2	527.8	487.1	40.71	12.966	
11,305.0	10,355.4	11,555.1	10,565.2	22.7	16.5	113.49	1,196.3	-3.3	527.8	487.0	40.74	12.954	
11,400.0	10,355.8	11,650.1	10,565.5	23.0	16.9	113.50	1,291.3	-3.9	527.3	485.9	41.44	12.724	
11,495.0	10,356.2	11,745.1	10,565.8	23.3	17.3	113.51	1,386.3	-4.6	526.9	484.7	42.18	12.490	
11,500.0	10,356.2	11,750.1	10,565.8	23.3	17.4	113.51	1,391.3	-4.6	526.8	484.6	42.22	12.478	
11,590.0	10,356.6	11,840.1	10,566.1	23.6	17.8	113.52	1,481.3	-5.2	526.4	483.5	42.96	12.253	
11,600.0	10,356.7	11,850.1	10,566.1	23.7	17.9	113.52	1,491.3	-5.3	526.4	483.3	43.04	12.229	
11,685.0	10,357.0	11,935.1	10,566.4	24.0	18.3	113.53	1,576.3	-5.8	526.0	482.2	43.77	12.016	
11,700.0	10,357.1	11,950.0	10,566.4	24.1	18.4	113.53	1,591.3	-5.9	525.9	482.0	43.90	11.979	
11,780.0	10,357.4	12,030.0	10,566.7	24.4	18.8	113.54	1,671.3	-6.5	525.5	480.9	44.62	11.778	
11,800.0	10,357.5	12,050.0	10,566.8	24.5	18.9	113.54	1,691.3	-6.6	525.4	480.6	44.80	11.729	
11,875.0	10,357.8	12,125.0	10,567.0	24.8	19.3	113.55	1,766.3	-7.1	525.0	479.6	45.49	11.542	
11,900.0	10,357.9	12,150.0	10,567.1	24.9	19.4	113.55	1,791.3	-7.3	524.9	479.2	45.72	11.480	
11,970.0	10,358.2	12,220.0	10,567.3	25.2	19.8	113.56	1,861.3	-7.7	524.6	478.2	46.39	11.307	
12,000.0	10,358.3	12,250.0	10,567.4	25.3	20.0	113.56	1,891.3	-8.0	524.4	477.8	46.68	11.234	
12,065.0	10,358.6	12,315.0	10,567.6	25.6	20.4	113.57	1,956.3	-8.4	524.1	476.8	47.32	11.076	
12,100.0	10,358.7	12,350.0	10,567.7	25.8	20.6	113.58	1,991.3	-8.6	524.0	476.3	47.67	10.991	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,160.0	10,359.0	12,410.0	10,567.9	26.0	20.9	113.58	2,051.3	-9.0	523.7	475.4	48.28	10.847	
12,200.0	10,359.1	12,450.0	10,568.0	26.2	21.1	113.59	2,091.3	-9.3	523.5	474.8	48.69	10.752	
12,255.0	10,359.3	12,505.0	10,568.2	26.5	21.5	113.59	2,146.3	-9.7	523.2	474.0	49.26	10.622	
12,300.0	10,359.5	12,550.0	10,568.3	26.7	21.7	113.60	2,191.3	-10.0	523.0	473.3	49.73	10.517	
12,350.0	10,359.7	12,600.0	10,568.5	26.9	22.0	113.60	2,241.3	-10.3	522.8	472.5	50.26	10.401	
12,400.0	10,359.9	12,650.0	10,568.6	27.2	22.3	113.61	2,291.3	-10.6	522.5	471.7	50.80	10.286	
12,445.0	10,360.1	12,695.0	10,568.7	27.4	22.6	113.61	2,336.3	-10.9	522.3	471.0	51.29	10.184	
12,500.0	10,360.4	12,750.0	10,568.9	27.7	23.0	113.62	2,391.3	-11.3	522.0	470.2	51.89	10.061	
12,540.0	10,360.5	12,790.0	10,569.0	27.9	23.2	113.62	2,431.3	-11.6	521.8	469.5	52.33	9.972	
12,600.0	10,360.8	12,850.0	10,569.2	28.2	23.6	113.63	2,491.3	-12.0	521.6	468.6	53.00	9.841	
12,635.0	10,360.9	12,885.0	10,569.3	28.4	23.8	113.63	2,526.3	-12.2	521.4	468.0	53.40	9.765	
12,700.0	10,361.2	12,950.0	10,569.5	28.7	24.2	113.64	2,591.3	-12.7	521.1	466.9	54.13	9.626	
12,730.0	10,361.3	12,980.0	10,569.6	28.9	24.4	113.64	2,621.3	-12.9	520.9	466.5	54.48	9.563	
12,800.0	10,361.6	13,050.0	10,569.8	29.3	24.8	113.65	2,691.3	-13.3	520.6	465.3	55.28	9.417	
12,825.0	10,361.7	13,075.0	10,569.9	29.4	25.0	113.65	2,716.3	-13.5	520.5	464.9	55.57	9.365	
12,900.0	10,362.0	13,150.0	10,570.1	29.8	25.5	113.66	2,791.3	-14.0	520.1	463.7	56.45	9.213	
12,920.0	10,362.1	13,170.0	10,570.2	29.9	25.6	113.66	2,811.3	-14.1	520.0	463.3	56.69	9.173	
13,000.0	10,362.4	13,250.0	10,570.5	30.4	26.1	113.67	2,891.3	-14.7	519.6	462.0	57.64	9.016	
13,015.0	10,362.5	13,265.0	10,570.5	30.5	26.2	113.67	2,906.3	-14.8	519.6	461.7	57.82	8.986	
13,100.0	10,362.8	13,350.0	10,570.8	30.9	26.8	113.68	2,991.3	-15.4	519.2	460.3	58.84	8.823	
13,110.0	10,362.9	13,360.0	10,570.8	31.0	26.9	113.69	3,001.3	-15.4	519.1	460.1	58.96	8.804	
13,200.0	10,363.2	13,450.0	10,571.1	31.5	27.5	113.70	3,091.3	-16.0	518.7	458.6	60.06	8.637	
13,205.0	10,363.3	13,455.0	10,571.1	31.5	27.5	113.70	3,096.3	-16.1	518.7	458.5	60.12	8.627	
13,300.0	10,363.6	13,550.0	10,571.4	32.1	28.1	113.71	3,191.3	-16.7	518.2	456.9	61.29	8.455	
13,395.0	10,364.0	13,645.0	10,571.7	32.6	28.8	113.72	3,286.3	-17.3	517.7	455.3	62.47	8.288	
13,400.0	10,364.1	13,650.0	10,571.7	32.7	28.8	113.72	3,291.3	-17.4	517.7	455.2	62.53	8.280	
13,490.0	10,364.4	13,740.0	10,572.0	33.2	29.4	113.73	3,381.3	-18.0	517.3	453.6	63.66	8.126	
13,500.0	10,364.5	13,750.0	10,572.0	33.3	29.5	113.73	3,391.3	-18.0	517.2	453.4	63.78	8.109	
13,585.0	10,364.8	13,835.0	10,572.3	33.8	30.1	113.74	3,476.3	-18.6	516.8	452.0	64.86	7.968	
13,600.0	10,364.9	13,850.0	10,572.3	33.9	30.2	113.74	3,491.3	-18.7	516.8	451.7	65.05	7.944	
13,680.0	10,365.2	13,930.0	10,572.6	34.4	30.7	113.75	3,571.3	-19.3	516.4	450.3	66.07	7.815	
13,700.0	10,365.3	13,950.0	10,572.6	34.5	30.8	113.75	3,591.3	-19.4	516.3	449.9	66.33	7.783	
13,775.0	10,365.6	14,025.0	10,572.9	34.9	31.4	113.76	3,666.3	-19.9	515.9	448.6	67.30	7.666	
13,800.0	10,365.7	14,050.0	10,572.9	35.1	31.5	113.76	3,691.3	-20.1	515.8	448.2	67.62	7.628	
13,870.0	10,366.0	14,120.0	10,573.1	35.5	32.0	113.77	3,761.2	-20.5	515.5	446.9	68.53	7.522	
13,900.0	10,366.1	14,150.0	10,573.2	35.7	32.2	113.77	3,791.2	-20.7	515.3	446.4	68.92	7.477	
13,965.0	10,366.4	14,215.0	10,573.4	36.1	32.7	113.78	3,856.2	-21.2	515.0	445.2	69.77	7.382	
14,000.0	10,366.5	14,250.0	10,573.5	36.3	32.9	113.78	3,891.2	-21.4	514.8	444.6	70.23	7.331	
14,060.0	10,366.8	14,310.0	10,573.7	36.7	33.3	113.79	3,951.2	-21.8	514.5	443.5	71.02	7.245	
14,100.0	10,366.9	14,350.0	10,573.9	37.0	33.6	113.79	3,991.2	-22.1	514.4	442.8	71.54	7.189	
14,155.0	10,367.2	14,405.0	10,574.0	37.3	34.0	113.80	4,046.2	-22.5	514.1	441.8	72.27	7.113	
14,200.0	10,367.3	14,450.0	10,574.2	37.6	34.3	113.81	4,091.2	-22.8	513.9	441.0	72.87	7.052	
14,250.0	10,367.5	14,500.0	10,574.3	37.9	34.7	113.81	4,141.2	-23.1	513.6	440.1	73.53	6.985	
14,300.0	10,367.7	14,550.0	10,574.5	38.2	35.0	113.82	4,191.2	-23.4	513.4	439.2	74.20	6.919	
14,345.0	10,367.9	14,595.0	10,574.6	38.5	35.3	113.82	4,236.2	-23.7	513.2	438.4	74.80	6.860	
14,400.0	10,368.2	14,650.0	10,574.8	38.9	35.7	113.83	4,291.2	-24.1	512.9	437.4	75.54	6.790	
14,440.0	10,368.3	14,690.0	10,574.9	39.1	36.0	113.83	4,331.2	-24.4	512.7	436.6	76.08	6.739	
14,500.0	10,368.6	14,750.0	10,575.1	39.5	36.4	113.84	4,391.2	-24.8	512.4	435.5	76.89	6.664	
14,535.0	10,368.7	14,785.0	10,575.2	39.8	36.7	113.84	4,426.2	-25.0	512.3	434.9	77.36	6.621	
14,600.0	10,369.0	14,850.0	10,575.4	40.2	37.1	113.85	4,491.2	-25.4	512.0	433.7	78.24	6.543	
14,630.0	10,369.1	14,880.0	10,575.5	40.4	37.4	113.85	4,521.2	-25.7	511.8	433.2	78.65	6.507	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,700.0	10,369.4	14,950.0	10,575.7	40.8	37.9	113.86	4,591.2	-26.1	511.5	431.9	79.61	6.425	
14,725.0	10,369.5	14,975.0	10,575.8	41.0	38.0	113.87	4,616.2	-26.3	511.3	431.4	79.95	6.396	
14,800.0	10,369.8	15,050.0	10,576.0	41.5	38.6	113.87	4,691.2	-26.8	511.0	430.0	80.97	6.311	
14,820.0	10,369.9	15,070.0	10,576.1	41.6	38.7	113.88	4,711.2	-26.9	510.9	429.6	81.25	6.288	
14,900.0	10,370.2	15,150.0	10,576.3	42.2	39.3	113.88	4,791.2	-27.5	510.5	428.2	82.34	6.200	
14,915.0	10,370.3	15,165.0	10,576.4	42.3	39.4	113.89	4,806.2	-27.6	510.4	427.9	82.55	6.183	
15,000.0	10,370.6	15,250.0	10,576.6	42.8	40.0	113.90	4,891.2	-28.1	510.0	426.3	83.72	6.092	
15,010.0	10,370.7	15,260.0	10,576.7	42.9	40.1	113.90	4,901.2	-28.2	510.0	426.1	83.86	6.081	
15,100.0	10,371.0	15,350.0	10,576.9	43.5	40.7	113.91	4,991.2	-28.8	509.5	424.4	85.11	5.987	
15,105.0	10,371.1	15,355.0	10,577.0	43.5	40.8	113.91	4,996.2	-28.8	509.5	424.3	85.18	5.982	
15,200.0	10,371.4	15,450.0	10,577.3	44.2	41.4	113.92	5,091.2	-29.5	509.1	422.6	86.50	5.886	
15,295.0	10,371.8	15,545.0	10,577.5	44.8	42.1	113.93	5,186.2	-30.1	508.6	420.8	87.82	5.792	
15,300.0	10,371.9	15,550.0	10,577.6	44.8	42.2	113.93	5,191.2	-30.2	508.6	420.7	87.89	5.787	
15,390.0	10,372.2	15,640.0	10,577.8	45.5	42.8	113.94	5,281.2	-30.8	508.2	419.0	89.15	5.700	
15,400.0	10,372.3	15,650.0	10,577.9	45.5	42.9	113.94	5,291.2	-30.8	508.1	418.8	89.29	5.691	
15,485.0	10,372.6	15,735.0	10,578.1	46.1	43.5	113.95	5,376.2	-31.4	507.7	417.2	90.48	5.611	
15,500.0	10,372.7	15,750.0	10,578.2	46.2	43.6	113.95	5,391.2	-31.5	507.6	416.9	90.69	5.598	
15,580.0	10,373.0	15,830.0	10,578.4	46.8	44.2	113.96	5,471.2	-32.0	507.2	415.4	91.81	5.525	
15,600.0	10,373.1	15,850.0	10,578.5	46.9	44.3	113.96	5,491.2	-32.2	507.1	415.1	92.09	5.507	
15,675.0	10,373.4	15,925.0	10,578.7	47.4	44.9	113.97	5,566.2	-32.7	506.8	413.6	93.15	5.440	
15,700.0	10,373.5	15,950.0	10,578.8	47.6	45.1	113.98	5,591.2	-32.9	506.7	413.2	93.50	5.419	
15,770.0	10,373.8	16,020.0	10,579.0	48.1	45.6	113.98	5,661.2	-33.3	506.3	411.8	94.49	5.358	
15,800.0	10,373.9	16,050.0	10,579.1	48.3	45.8	113.99	5,691.2	-33.5	506.2	411.3	94.92	5.333	
15,865.0	10,374.2	16,115.0	10,579.3	48.7	46.3	114.00	5,756.2	-34.0	505.9	410.0	95.84	5.278	
15,900.0	10,374.3	16,150.0	10,579.4	49.0	46.5	114.00	5,791.2	-34.2	505.7	409.4	96.34	5.249	
15,960.0	10,374.6	16,210.0	10,579.6	49.4	47.0	114.01	5,851.2	-34.6	505.4	408.2	97.19	5.200	
16,000.0	10,374.7	16,250.0	10,579.7	49.7	47.3	114.01	5,891.2	-34.9	505.2	407.5	97.76	5.168	
16,055.0	10,375.0	16,305.0	10,579.9	50.0	47.7	114.02	5,946.2	-35.2	505.0	406.4	98.54	5.124	
16,100.0	10,375.1	16,350.0	10,580.0	50.3	48.0	114.02	5,991.2	-35.5	504.7	405.6	99.18	5.089	
16,150.0	10,375.3	16,400.0	10,580.2	50.7	48.4	114.03	6,041.2	-35.9	504.5	404.6	99.90	5.050	
16,200.0	10,375.6	16,450.0	10,580.3	51.0	48.7	114.03	6,091.2	-36.2	504.3	403.7	100.61	5.012	
16,245.0	10,375.7	16,495.0	10,580.5	51.4	49.1	114.04	6,136.2	-36.5	504.1	402.8	101.25	4.978	
16,300.0	10,376.0	16,550.0	10,580.6	51.7	49.5	114.05	6,191.2	-36.9	503.8	401.7	102.04	4.937	
16,340.0	10,376.1	16,590.0	10,580.8	52.0	49.8	114.05	6,231.2	-37.2	503.6	401.0	102.61	4.908	
16,400.0	10,376.4	16,650.0	10,581.0	52.4	50.2	114.06	6,291.1	-37.6	503.3	399.8	103.47	4.864	
16,435.0	10,376.5	16,685.0	10,581.1	52.7	50.5	114.06	6,326.1	-37.8	503.1	399.2	103.98	4.839	
16,500.0	10,376.8	16,750.0	10,581.3	53.1	50.9	114.07	6,391.1	-38.2	502.8	397.9	104.91	4.793	
16,530.0	10,376.9	16,780.0	10,581.4	53.4	51.2	114.07	6,421.1	-38.4	502.7	397.3	105.34	4.772	
16,600.0	10,377.2	16,850.0	10,581.6	53.8	51.7	114.08	6,491.1	-38.9	502.3	396.0	106.35	4.724	
16,625.0	10,377.3	16,875.0	10,581.7	54.0	51.9	114.08	6,516.1	-39.1	502.2	395.5	106.71	4.706	
16,700.0	10,377.6	16,950.0	10,581.9	54.6	52.4	114.09	6,591.1	-39.6	501.9	394.1	107.79	4.656	
16,720.0	10,377.7	16,970.0	10,581.9	54.7	52.6	114.09	6,611.1	-39.7	501.8	393.7	108.08	4.643	
16,800.0	10,378.0	17,050.0	10,582.2	55.3	53.2	114.10	6,691.1	-40.3	501.4	392.2	109.24	4.590	
16,815.0	10,378.1	17,065.0	10,582.2	55.4	53.3	114.11	6,706.1	-40.4	501.3	391.9	109.45	4.580	
16,900.0	10,378.4	17,150.0	10,582.5	56.0	53.9	114.12	6,791.1	-40.9	500.9	390.2	110.68	4.526	
16,910.0	10,378.5	17,160.0	10,582.5	56.0	54.0	114.12	6,801.1	-41.0	500.9	390.0	110.83	4.519	
17,000.0	10,378.8	17,250.0	10,582.8	56.7	54.6	114.13	6,891.1	-41.6	500.4	388.3	112.13	4.463	
17,005.0	10,378.9	17,255.0	10,582.8	56.7	54.7	114.13	6,896.1	-41.6	500.4	388.2	112.20	4.460	
17,100.0	10,379.3	17,350.0	10,583.1	57.4	55.4	114.14	6,991.1	-42.3	500.0	386.4	113.58	4.402	
17,195.0	10,379.6	17,445.0	10,583.4	58.1	56.1	114.15	7,086.1	-42.9	499.5	384.5	114.96	4.345	
17,200.0	10,379.7	17,450.0	10,583.4	58.1	56.1	114.15	7,091.1	-42.9	499.5	384.4	115.04	4.342	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,290.0	10,380.0	17,540.0	10,583.7	58.7	56.8	114.16	7,181.1	-43.6	499.0	382.7	116.35	4.289	
17,300.0	10,380.1	17,550.0	10,583.7	58.8	56.9	114.16	7,191.1	-43.6	499.0	382.5	116.49	4.284	
17,385.0	10,380.4	17,635.0	10,584.0	59.4	57.5	114.17	7,276.1	-44.2	498.6	380.9	117.73	4.235	
17,400.0	10,380.5	17,650.0	10,584.0	59.5	57.6	114.18	7,291.1	-44.3	498.5	380.6	117.95	4.227	
17,480.0	10,380.8	17,730.0	10,584.3	60.1	58.2	114.18	7,371.1	-44.8	498.1	379.0	119.12	4.182	
17,500.0	10,380.9	17,750.0	10,584.4	60.2	58.3	114.19	7,391.1	-45.0	498.0	378.6	119.41	4.171	
17,575.0	10,381.2	17,825.0	10,584.6	60.8	58.9	114.20	7,466.1	-45.5	497.7	377.2	120.50	4.130	
17,600.0	10,381.3	17,850.0	10,584.7	61.0	59.1	114.20	7,491.1	-45.6	497.6	376.7	120.87	4.116	
17,670.0	10,381.6	17,920.0	10,584.9	61.5	59.6	114.21	7,561.1	-46.1	497.2	375.3	121.89	4.079	
17,700.0	10,381.7	17,950.0	10,585.0	61.7	59.8	114.21	7,591.1	-46.3	497.1	374.7	122.33	4.063	
17,765.0	10,382.0	18,015.0	10,585.2	62.2	60.3	114.22	7,656.1	-46.7	496.8	373.5	123.28	4.029	
17,800.0	10,382.1	18,050.0	10,585.3	62.4	60.6	114.22	7,691.1	-47.0	496.6	372.8	123.80	4.011	
17,860.0	10,382.4	18,110.0	10,585.5	62.8	61.0	114.23	7,751.1	-47.4	496.3	371.6	124.68	3.981	
17,900.0	10,382.5	18,150.0	10,585.6	63.1	61.3	114.23	7,791.1	-47.7	496.1	370.9	125.26	3.961	
17,955.0	10,382.8	18,205.0	10,585.8	63.5	61.7	114.24	7,846.1	-48.0	495.8	369.8	126.07	3.933	
18,000.0	10,382.9	18,250.0	10,585.9	63.8	62.1	114.25	7,891.1	-48.3	495.6	368.9	126.73	3.911	
18,037.2	10,383.1	18,284.8	10,586.0	64.1	62.3	114.25	7,925.9	-48.6	495.5	368.2	127.24	3.894	
18,050.0	10,383.2	18,284.8	10,586.0	64.2	62.3	114.25	7,925.9	-48.6	495.6	368.4	127.20	3.896	
18,100.0	10,383.4	18,284.8	10,586.0	64.6	62.3	114.25	7,925.9	-48.6	499.4	373.1	126.36	3.952	
18,145.0	10,383.5	18,284.8	10,586.0	64.9	62.3	114.25	7,925.9	-48.6	507.0	382.4	124.69	4.066	
18,200.0	10,383.8	18,284.8	10,586.0	65.3	62.3	114.25	7,925.9	-48.6	521.5	399.8	121.67	4.286	
18,240.0	10,383.9	18,284.8	10,586.0	65.6	62.3	114.25	7,925.9	-48.6	535.3	416.4	118.94	4.501	
18,300.0	10,384.2	18,284.8	10,586.0	66.0	62.3	114.25	7,925.9	-48.6	560.8	446.5	114.29	4.907	
18,335.0	10,384.3	18,284.8	10,586.0	66.3	62.3	114.25	7,925.9	-48.6	578.1	466.7	111.39	5.189	
18,400.0	10,384.6	18,284.8	10,586.0	66.7	62.3	114.25	7,925.9	-48.6	614.1	508.2	105.91	5.798	
18,430.0	10,384.7	18,284.8	10,586.0	67.0	62.3	114.25	7,925.9	-48.6	632.3	528.9	103.40	6.115	
18,500.0	10,385.0	18,284.8	10,586.0	67.5	62.3	114.25	7,925.9	-48.6	678.0	580.2	97.74	6.937	
18,525.0	10,385.1	18,284.8	10,586.0	67.6	62.3	114.25	7,925.9	-48.6	695.3	599.5	95.81	7.257	
18,600.0	10,385.4	18,284.8	10,586.0	68.2	62.3	114.25	7,925.9	-48.6	749.8	659.4	90.39	8.296	
18,620.0	10,385.5	18,284.8	10,586.0	68.3	62.3	114.25	7,925.9	-48.6	764.9	675.9	89.03	8.591	
18,700.0	10,385.8	18,284.8	10,586.0	68.9	62.3	114.25	7,925.9	-48.6	827.5	743.5	84.04	9.846	
18,715.0	10,385.9	18,284.8	10,586.0	69.0	62.3	114.25	7,925.9	-48.6	839.6	756.4	83.18	10.093	
18,800.0	10,386.2	18,284.8	10,586.0	69.6	62.3	114.25	7,925.9	-48.6	909.6	830.9	78.69	11.559	
18,810.0	10,386.3	18,284.8	10,586.0	69.7	62.3	114.25	7,925.9	-48.6	918.0	839.8	78.21	11.738	
18,900.0	10,386.6	18,284.8	10,586.0	70.4	62.3	114.25	7,925.9	-48.6	994.9	920.7	74.22	13.406	
18,905.0	10,386.7	18,284.8	10,586.0	70.4	62.3	114.25	7,925.9	-48.6	999.3	925.2	74.01	13.501	
19,000.0	10,387.1	18,284.8	10,586.0	71.1	62.3	114.25	7,925.9	-48.6	1,082.8	1,012.3	70.49	15.360	
19,095.0	10,387.4	18,284.8	10,586.0	71.8	62.3	114.25	7,925.9	-48.6	1,168.1	1,100.5	67.53	17.296	
19,100.0	10,387.5	18,284.8	10,586.0	71.8	62.3	114.25	7,925.9	-48.6	1,172.6	1,105.2	67.39	17.400	
19,190.0	10,387.8	18,284.8	10,586.0	72.5	62.3	114.25	7,925.9	-48.6	1,254.7	1,189.7	65.04	19.291	
19,200.0	10,387.9	18,284.8	10,586.0	72.6	62.3	114.25	7,925.9	-48.6	1,263.9	1,199.1	64.81	19.504	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	3.0	3.0	-90.40	-0.2	-30.0	30.0				
95.0	95.0	95.9	95.9	3.0	3.0	-90.40	-0.2	-30.0	30.0	23.9	6.05	4.957	
100.0	100.0	100.9	100.9	3.0	3.0	-90.40	-0.2	-30.0	30.0	23.9	6.06	4.951	
190.0	190.0	190.9	190.9	3.1	3.1	-90.40	-0.2	-30.0	30.0	23.7	6.27	4.783	
200.0	200.0	200.9	200.9	3.2	3.2	-90.40	-0.2	-30.0	30.0	23.7	6.30	4.759	
285.0	285.0	285.9	285.9	3.3	3.3	-90.40	-0.2	-30.0	30.0	23.5	6.50	4.615	
300.0	300.0	300.9	300.9	3.3	3.3	-90.40	-0.2	-30.0	30.0	23.5	6.54	4.587	
380.0	380.0	380.9	380.9	3.4	3.4	-90.40	-0.2	-30.0	30.0	23.3	6.72	4.465	
400.0	400.0	400.9	400.9	3.4	3.4	-90.40	-0.2	-30.0	30.0	23.2	6.77	4.433	
475.0	475.0	475.9	475.9	3.5	3.5	-90.40	-0.2	-30.0	30.0	23.1	6.93	4.329	
500.0	500.0	500.9	500.9	3.5	3.5	-90.40	-0.2	-30.0	30.0	23.0	6.99	4.294	
570.0	570.0	570.9	570.9	3.6	3.6	-90.40	-0.2	-30.0	30.0	22.9	7.13	4.205	
600.0	600.0	600.9	600.9	3.6	3.6	-90.40	-0.2	-30.0	30.0	22.8	7.20	4.166	
665.0	665.0	665.9	665.9	3.7	3.7	-90.40	-0.2	-30.0	30.0	22.7	7.33	4.091	
700.0	700.0	700.9	700.9	3.8	3.8	-90.40	-0.2	-30.0	30.0	22.6	7.41	4.050	
760.0	760.0	760.9	760.9	3.8	3.8	-90.40	-0.2	-30.0	30.0	22.5	7.53	3.985	
800.0	800.0	800.9	800.9	3.9	3.9	-90.40	-0.2	-30.0	30.0	22.4	7.61	3.942	
855.0	855.0	855.9	855.9	4.0	4.0	-90.40	-0.2	-30.0	30.0	22.3	7.71	3.888	
900.0	900.0	900.9	900.9	4.0	4.0	-90.40	-0.2	-30.0	30.0	22.2	7.80	3.843	
950.0	950.0	950.9	950.9	4.1	4.1	-90.40	-0.2	-30.0	30.0	22.1	7.90	3.797	
1,000.0	1,000.0	1,000.9	1,000.9	4.1	4.1	-90.40	-0.2	-30.0	30.0	22.0	7.99	3.751	
1,045.0	1,045.0	1,045.9	1,045.9	4.2	4.2	-90.40	-0.2	-30.0	30.0	21.9	8.08	3.712	
1,100.0	1,100.0	1,100.9	1,100.9	4.3	4.3	-90.40	-0.2	-30.0	30.0	21.8	8.18	3.666	
1,140.0	1,140.0	1,140.9	1,140.9	4.3	4.3	-90.40	-0.2	-30.0	30.0	21.7	8.25	3.633	
1,200.0	1,200.0	1,200.9	1,200.9	4.4	4.4	-90.40	-0.2	-30.0	30.0	21.6	8.36	3.585	
1,235.0	1,235.0	1,235.9	1,235.9	4.4	4.4	-90.40	-0.2	-30.0	30.0	21.6	8.43	3.559	
1,300.0	1,300.0	1,300.9	1,300.9	4.5	4.5	-90.40	-0.2	-30.0	30.0	21.4	8.54	3.510	
1,330.0	1,330.0	1,330.9	1,330.9	4.5	4.5	-90.40	-0.2	-30.0	30.0	21.4	8.60	3.489	
1,400.0	1,400.0	1,400.9	1,400.9	4.6	4.6	-90.40	-0.2	-30.0	30.0	21.3	8.72	3.440	
1,425.0	1,425.0	1,425.9	1,425.9	4.6	4.6	-90.40	-0.2	-30.0	30.0	21.2	8.76	3.423	
1,437.2	1,437.2	1,438.1	1,438.1	4.7	4.7	-90.40	-0.2	-30.0	30.0	21.2	8.78	3.415	
1,500.0	1,500.0	1,500.9	1,500.9	4.7	4.7	-90.40	-0.2	-30.0	30.0	21.1	8.89	3.373	
1,520.0	1,520.0	1,520.7	1,520.7	4.7	4.7	-3.69	-0.2	-30.1	30.0	21.0	8.97	3.345	
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-3.79	-0.2	-31.7	30.0	20.7	9.27	3.236	
1,605.1	1,605.0	1,604.9	1,604.8	4.8	4.8	-3.80	-0.2	-31.9	30.0	20.7	9.30	3.227	
1,615.0	1,615.0	1,614.7	1,614.7	4.8	4.8	-3.82	-0.1	-32.3	30.0	20.7	9.35	3.208	
1,700.0	1,699.8	1,698.8	1,698.7	5.0	5.0	-4.08	0.0	-36.9	30.0	20.2	9.82	3.055	
1,710.0	1,709.8	1,708.7	1,708.5	5.0	5.0	-4.13	0.0	-37.6	30.0	20.1	9.87	3.038	
1,800.0	1,799.5	1,797.8	1,797.2	5.2	5.2	-4.58	0.2	-45.4	29.9	19.6	10.38	2.885	
1,805.0	1,804.4	1,802.7	1,802.2	5.2	5.2	-4.61	0.2	-46.0	29.9	19.5	10.41	2.877	
1,900.0	1,898.7	1,896.8	1,895.5	5.5	5.5	-5.29	0.5	-57.4	29.9	18.9	10.97	2.723	
1,902.3	1,901.0	1,899.1	1,897.8	5.5	5.5	-5.30	0.5	-57.7	29.9	18.9	10.99	2.720	CC, ES
1,995.0	1,992.8	1,990.7	1,988.3	5.8	5.8	-5.84	0.9	-71.9	31.4	19.9	11.48	2.731	
2,000.0	1,997.7	1,995.7	1,993.2	5.8	5.8	-5.85	1.0	-72.8	31.5	20.0	11.51	2.739	
2,090.0	2,086.9	2,084.5	2,080.5	6.0	6.2	-5.94	1.4	-89.4	35.9	23.9	12.03	2.989	
2,100.0	2,096.8	2,094.4	2,090.1	6.0	6.2	-5.93	1.5	-91.4	36.6	24.5	12.08	3.030	
2,185.0	2,180.9	2,177.9	2,171.6	6.3	6.5	-5.72	2.0	-109.8	43.6	31.0	12.60	3.463	
2,200.0	2,195.8	2,192.6	2,185.9	6.3	6.5	-5.66	2.1	-113.3	45.1	32.4	12.69	3.556	
2,280.0	2,275.0	2,272.1	2,263.0	6.6	6.8	-5.40	2.6	-132.5	53.5	40.3	13.19	4.054	
2,300.0	2,294.8	2,292.0	2,282.3	6.6	6.9	-5.35	2.7	-137.3	55.6	42.3	13.32	4.173	
2,375.0	2,369.1	2,366.6	2,354.7	6.8	7.1	-5.18	3.2	-155.3	63.4	49.6	13.81	4.592	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,393.8	2,391.4	2,378.8	6.9	7.2	-5.13	3.4	-161.4	66.0	52.1	13.98	4.724	
2,470.0	2,463.2	2,461.0	2,446.3	7.2	7.4	-5.01	3.8	-178.2	73.4	58.9	14.46	5.073	
2,500.0	2,492.9	2,490.9	2,475.3	7.3	7.5	-4.97	4.0	-185.4	76.5	61.8	14.67	5.215	
2,565.0	2,557.2	2,555.5	2,538.0	7.5	7.8	-4.89	4.5	-201.0	83.3	68.2	15.13	5.505	
2,600.0	2,591.9	2,590.3	2,571.8	7.6	7.9	-4.85	4.7	-209.5	87.0	71.6	15.39	5.653	
2,660.0	2,651.3	2,650.0	2,629.7	7.8	8.1	-4.79	5.1	-223.9	93.3	77.4	15.83	5.891	
2,700.0	2,690.9	2,689.8	2,668.3	7.9	8.3	-4.76	5.4	-233.5	97.4	81.3	16.13	6.042	
2,755.0	2,745.4	2,744.5	2,721.3	8.1	8.5	-4.71	5.7	-246.7	103.2	86.7	16.54	6.238	
2,800.0	2,789.9	2,789.2	2,764.8	8.3	8.7	-4.68	6.0	-257.6	107.9	91.0	16.89	6.391	
2,850.0	2,839.5	2,838.9	2,813.0	8.5	8.9	-4.65	6.3	-269.6	113.1	95.9	17.27	6.551	
2,900.0	2,889.0	2,888.7	2,861.3	8.6	9.1	-4.62	6.7	-281.6	118.4	100.7	17.66	6.703	
2,945.0	2,933.5	2,933.4	2,904.7	8.8	9.2	-4.59	7.0	-292.4	123.1	105.1	18.02	6.832	
3,000.0	2,988.0	2,988.1	2,957.8	9.0	9.5	-4.57	7.3	-305.7	128.8	110.4	18.45	6.983	
3,040.0	3,027.6	3,027.9	2,996.4	9.2	9.6	-4.55	7.6	-315.3	133.0	114.3	18.77	7.086	
3,100.0	3,087.0	3,087.6	3,054.3	9.4	9.9	-4.52	8.0	-329.7	139.3	120.1	19.26	7.235	
3,135.0	3,121.7	3,122.4	3,088.0	9.5	10.0	-4.51	8.2	-338.1	143.0	123.4	19.54	7.317	
3,200.0	3,186.0	3,187.0	3,150.8	9.8	10.3	-4.48	8.7	-353.8	149.8	129.7	20.07	7.463	
3,230.0	3,215.8	3,216.9	3,179.7	9.9	10.4	-4.47	8.9	-361.0	152.9	132.6	20.32	7.526	
3,300.0	3,285.1	3,286.5	3,247.2	10.1	10.7	-4.45	9.3	-377.8	160.3	139.4	20.90	7.669	
3,325.0	3,309.8	3,311.3	3,271.4	10.2	10.8	-4.44	9.5	-383.8	162.9	141.8	21.10	7.717	
3,400.0	3,384.1	3,385.9	3,343.7	10.5	11.1	-4.42	10.0	-401.9	170.7	149.0	21.73	7.856	
3,420.0	3,403.9	3,405.8	3,363.0	10.6	11.2	-4.42	10.1	-406.7	172.8	150.9	21.90	7.892	
3,500.0	3,483.1	3,485.4	3,440.2	10.9	11.6	-4.40	10.6	-425.9	181.2	158.6	22.57	8.027	
3,515.0	3,498.0	3,500.3	3,454.7	11.0	11.6	-4.39	10.7	-429.5	182.8	160.1	22.70	8.051	
3,600.0	3,582.2	3,584.8	3,536.7	11.3	12.0	-4.37	11.3	-450.0	191.7	168.2	23.42	8.183	
3,610.0	3,592.1	3,594.8	3,546.4	11.4	12.0	-4.37	11.4	-452.4	192.7	169.2	23.51	8.198	
3,700.0	3,681.2	3,684.3	3,633.2	11.7	12.4	-4.35	11.9	-474.0	202.1	177.9	24.28	8.326	
3,705.0	3,686.1	3,689.2	3,638.1	11.7	12.5	-4.35	12.0	-475.2	202.7	178.3	24.32	8.332	
3,800.0	3,780.2	3,783.7	3,729.7	12.1	12.9	-4.33	12.6	-498.1	212.6	187.5	25.14	8.457	
3,895.0	3,874.3	3,878.2	3,821.4	12.5	13.3	-4.32	13.2	-520.9	222.5	196.6	25.96	8.572	
3,900.0	3,879.2	3,883.2	3,826.2	12.5	13.3	-4.32	13.3	-522.1	223.1	197.1	26.01	8.578	
3,990.0	3,968.4	3,972.7	3,913.1	12.9	13.7	-4.30	13.9	-543.8	232.5	205.7	26.79	8.678	
4,000.0	3,978.3	3,982.6	3,922.7	12.9	13.8	-4.30	13.9	-546.2	233.5	206.7	26.88	8.689	
4,085.0	4,062.4	4,067.2	4,004.7	13.3	14.2	-4.29	14.5	-566.6	242.4	214.8	27.62	8.777	
4,100.0	4,077.3	4,082.1	4,019.2	13.3	14.2	-4.29	14.6	-570.2	244.0	216.3	27.75	8.792	
4,180.0	4,156.5	4,161.6	4,096.4	13.6	14.6	-4.28	15.1	-589.5	252.4	223.9	28.45	8.870	
4,200.0	4,176.3	4,181.5	4,115.7	13.7	14.7	-4.28	15.2	-594.3	254.5	225.8	28.63	8.888	
4,275.0	4,250.6	4,256.1	4,188.1	14.0	15.0	-4.27	15.7	-612.3	262.3	233.0	29.29	8.956	
4,300.0	4,275.3	4,281.0	4,212.2	14.1	15.2	-4.26	15.9	-618.3	264.9	235.4	29.51	8.977	
4,370.0	4,344.7	4,350.6	4,279.8	14.4	15.5	-4.26	16.4	-635.2	272.3	242.1	30.13	9.036	
4,400.0	4,374.4	4,380.4	4,308.7	14.5	15.6	-4.25	16.6	-642.4	275.4	245.0	30.40	9.060	
4,465.0	4,438.7	4,445.1	4,371.4	14.8	15.9	-4.25	17.0	-658.0	282.2	251.2	30.98	9.111	
4,500.0	4,473.4	4,479.9	4,405.2	15.0	16.1	-4.24	17.2	-666.5	285.9	254.6	31.29	9.137	
4,560.0	4,532.8	4,539.5	4,463.1	15.2	16.4	-4.24	17.6	-680.9	292.2	260.3	31.82	9.181	
4,600.0	4,572.4	4,579.3	4,501.7	15.4	16.5	-4.23	17.9	-690.5	296.4	264.2	32.18	9.210	
4,655.0	4,626.9	4,634.0	4,554.8	15.6	16.8	-4.23	18.2	-703.7	302.1	269.4	32.67	9.247	
4,700.0	4,671.5	4,678.8	4,598.2	15.8	17.0	-4.22	18.5	-714.6	306.8	273.7	33.07	9.277	
4,750.0	4,721.0	4,728.5	4,646.4	16.0	17.2	-4.22	18.9	-726.6	312.1	278.5	33.52	9.311	
4,790.0	4,760.6	4,768.3	4,685.0	16.1	17.4	-4.22	19.1	-736.2	316.2	282.4	33.87	9.336	
4,800.0	4,770.5	4,778.2	4,694.7	16.2	17.5	-4.22	19.2	-738.6	317.3	283.3	33.96	9.344	
4,845.0	4,815.1	4,823.0	4,738.1	16.4	17.7	-4.21	19.5	-749.4	322.3	287.9	34.36	9.379	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,869.6	4,877.6	4,791.1	16.6	17.9	-4.20	19.8	-762.6	328.8	294.0	34.85	9.435	
4,940.0	4,909.4	4,917.2	4,829.6	16.8	18.1	-4.19	20.1	-772.2	333.9	298.7	35.20	9.486	
5,000.0	4,969.0	4,976.7	4,887.2	17.0	18.4	-4.17	20.5	-786.6	342.0	306.3	35.73	9.574	
5,035.0	5,003.8	5,011.3	4,920.8	17.1	18.6	-4.16	20.7	-795.0	347.1	311.1	36.03	9.633	
5,100.0	5,068.6	5,075.6	4,983.2	17.4	18.9	-4.12	21.2	-810.5	357.0	320.4	36.59	9.756	
5,130.0	5,098.5	5,105.2	5,011.9	17.5	19.0	-4.11	21.4	-817.7	361.8	325.0	36.85	9.820	
5,200.0	5,168.3	5,174.2	5,078.8	17.7	19.3	-4.06	21.8	-834.4	373.7	336.2	37.44	9.981	
5,225.0	5,193.2	5,198.8	5,102.7	17.8	19.5	-4.05	22.0	-840.3	378.1	340.5	37.64	10.044	
5,300.0	5,268.1	5,272.4	5,174.2	18.1	19.8	-3.99	22.5	-858.1	392.1	353.8	38.26	10.246	
5,320.0	5,288.1	5,292.1	5,193.3	18.2	19.9	-3.98	22.6	-862.9	396.0	357.5	38.42	10.305	
5,400.0	5,368.0	5,370.4	5,269.3	18.4	20.3	-3.91	23.1	-881.8	412.2	373.1	39.07	10.551	
5,415.0	5,383.0	5,385.1	5,283.5	18.5	20.3	-3.90	23.2	-885.4	415.3	376.2	39.18	10.601	
5,500.0	5,468.0	5,479.4	5,375.2	18.7	20.8	-3.82	23.8	-907.2	433.1	393.2	39.94	10.845	
5,510.0	5,478.0	5,490.9	5,386.5	18.7	20.9	-3.81	23.9	-909.7	435.1	395.1	40.02	10.874	
5,590.0	5,558.0	5,583.9	5,477.6	18.8	21.3	-90.45	24.4	-928.0	450.3	409.7	40.61	11.089	
5,600.0	5,568.0	5,595.5	5,489.1	18.8	21.4	-90.44	24.4	-930.0	452.1	411.4	40.67	11.117	
5,605.0	5,573.0	5,601.4	5,494.8	18.8	21.4	-90.44	24.5	-931.1	453.0	412.3	40.70	11.130	
5,700.0	5,668.0	5,713.2	5,605.3	18.9	21.9	-90.36	24.9	-948.4	467.7	426.5	41.22	11.346	
5,795.0	5,763.0	5,826.2	5,717.5	18.9	22.4	-90.31	25.3	-961.6	478.8	437.1	41.66	11.492	
5,800.0	5,768.0	5,832.2	5,723.5	18.9	22.4	-90.31	25.3	-962.1	479.3	437.6	41.68	11.497	
5,890.0	5,858.0	5,940.1	5,831.1	18.9	22.8	-90.27	25.5	-970.3	486.1	444.1	42.01	11.572	
5,900.0	5,868.0	5,952.1	5,843.1	19.0	22.9	-90.27	25.5	-971.0	486.6	444.6	42.04	11.577	
5,985.0	5,953.0	6,054.5	5,945.4	19.0	23.1	-90.26	25.6	-974.6	489.6	447.5	42.16	11.613	
6,000.0	5,968.0	6,072.6	5,963.5	19.0	23.2	-90.26	25.7	-974.9	489.8	447.7	42.17	11.617	
6,080.0	6,048.0	6,158.0	6,048.9	19.0	23.2	-90.26	25.7	-975.0	490.0	447.8	42.20	11.610	
6,100.0	6,068.0	6,178.0	6,068.9	19.0	23.2	-90.26	25.7	-975.0	490.0	447.8	42.22	11.606	
6,175.0	6,143.0	6,253.0	6,143.9	19.1	23.3	-90.26	25.7	-975.0	490.0	447.7	42.27	11.591	
6,200.0	6,168.0	6,278.0	6,168.9	19.1	23.3	-90.26	25.7	-975.0	490.0	447.7	42.29	11.586	
6,270.0	6,238.0	6,348.0	6,238.9	19.1	23.3	-90.26	25.7	-975.0	490.0	447.6	42.34	11.572	
6,300.0	6,268.0	6,378.0	6,268.9	19.1	23.3	-90.26	25.7	-975.0	490.0	447.6	42.37	11.566	
6,365.0	6,333.0	6,443.0	6,333.9	19.1	23.3	-90.26	25.7	-975.0	490.0	447.6	42.41	11.552	
6,400.0	6,368.0	6,478.0	6,368.9	19.2	23.3	-90.26	25.7	-975.0	490.0	447.5	42.44	11.545	
6,460.0	6,428.0	6,538.0	6,428.9	19.2	23.4	-90.26	25.7	-975.0	490.0	447.5	42.49	11.533	
6,500.0	6,468.0	6,578.0	6,468.9	19.2	23.4	-90.26	25.7	-975.0	490.0	447.5	42.52	11.525	
6,555.0	6,523.0	6,633.0	6,523.9	19.2	23.4	-90.26	25.7	-975.0	490.0	447.4	42.56	11.514	
6,600.0	6,568.0	6,678.0	6,568.9	19.2	23.4	-90.26	25.7	-975.0	490.0	447.4	42.59	11.504	
6,650.0	6,618.0	6,728.0	6,618.9	19.3	23.4	-90.26	25.7	-975.0	490.0	447.4	42.63	11.494	
6,700.0	6,668.0	6,778.0	6,668.9	19.3	23.4	-90.26	25.7	-975.0	490.0	447.3	42.67	11.484	
6,745.0	6,713.0	6,823.0	6,713.9	19.3	23.4	-90.26	25.7	-975.0	490.0	447.3	42.70	11.475	
6,800.0	6,768.0	6,878.0	6,768.9	19.3	23.5	-90.26	25.7	-975.0	490.0	447.2	42.74	11.463	
6,840.0	6,808.0	6,918.0	6,808.9	19.3	23.5	-90.26	25.7	-975.0	490.0	447.2	42.77	11.455	
6,900.0	6,868.0	6,978.0	6,868.9	19.4	23.5	-90.26	25.7	-975.0	490.0	447.2	42.82	11.443	
6,935.0	6,903.0	7,013.0	6,903.9	19.4	23.5	-90.26	25.7	-975.0	490.0	447.1	42.85	11.436	
7,000.0	6,968.0	7,078.0	6,968.9	19.4	23.5	-90.26	25.7	-975.0	490.0	447.1	42.90	11.422	
7,030.0	6,998.0	7,108.0	6,998.9	19.4	23.5	-90.26	25.7	-975.0	490.0	447.1	42.92	11.416	
7,100.0	7,068.0	7,178.0	7,068.9	19.5	23.6	-90.26	25.7	-975.0	490.0	447.0	42.98	11.401	
7,125.0	7,093.0	7,203.0	7,093.9	19.5	23.6	-90.26	25.7	-975.0	490.0	447.0	43.00	11.396	
7,200.0	7,168.0	7,278.0	7,168.9	19.5	23.6	-90.26	25.7	-975.0	490.0	446.9	43.05	11.381	
7,220.0	7,188.0	7,298.0	7,188.9	19.5	23.6	-90.26	25.7	-975.0	490.0	446.9	43.07	11.377	
7,300.0	7,268.0	7,378.0	7,268.9	19.5	23.6	-90.26	25.7	-975.0	490.0	446.9	43.13	11.360	
7,315.0	7,283.0	7,393.0	7,283.9	19.6	23.6	-90.26	25.7	-975.0	490.0	446.8	43.14	11.357	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,368.0	7,478.0	7,368.9	19.6	23.7	-90.26	25.7	-975.0	490.0	446.8	43.21	11.339	
7,410.0	7,378.0	7,488.0	7,378.9	19.6	23.7	-90.26	25.7	-975.0	490.0	446.8	43.22	11.337	
7,500.0	7,468.0	7,578.0	7,468.9	19.6	23.7	-90.26	25.7	-975.0	490.0	446.7	43.29	11.318	
7,505.0	7,473.0	7,583.0	7,473.9	19.6	23.7	-90.26	25.7	-975.0	490.0	446.7	43.30	11.317	
7,600.0	7,568.0	7,678.0	7,568.9	19.7	23.7	-90.26	25.7	-975.0	490.0	446.6	43.37	11.297	
7,695.0	7,663.0	7,773.0	7,663.9	19.7	23.8	-90.26	25.7	-975.0	490.0	446.5	43.45	11.277	
7,700.0	7,668.0	7,778.0	7,668.9	19.7	23.8	-90.26	25.7	-975.0	490.0	446.5	43.45	11.276	
7,790.0	7,758.0	7,868.0	7,758.9	19.8	23.8	-90.26	25.7	-975.0	490.0	446.5	43.53	11.257	
7,800.0	7,768.0	7,878.0	7,768.9	19.8	23.8	-90.26	25.7	-975.0	490.0	446.5	43.53	11.255	
7,885.0	7,853.0	7,963.0	7,853.9	19.8	23.8	-90.26	25.7	-975.0	490.0	446.4	43.60	11.237	
7,900.0	7,868.0	7,978.0	7,868.9	19.8	23.9	-90.26	25.7	-975.0	490.0	446.4	43.62	11.234	
7,980.0	7,948.0	8,058.0	7,948.9	19.8	23.9	-90.26	25.7	-975.0	490.0	446.3	43.68	11.217	
8,000.0	7,968.0	8,078.0	7,968.9	19.9	23.9	-90.26	25.7	-975.0	490.0	446.3	43.70	11.213	
8,075.0	8,043.0	8,153.0	8,043.9	19.9	23.9	-90.26	25.7	-975.0	490.0	446.2	43.76	11.197	
8,100.0	8,068.0	8,178.0	8,068.9	19.9	23.9	-90.26	25.7	-975.0	490.0	446.2	43.78	11.192	
8,170.0	8,138.0	8,248.0	8,138.9	19.9	23.9	-90.26	25.7	-975.0	490.0	446.1	43.84	11.177	
8,200.0	8,168.0	8,278.0	8,168.9	20.0	24.0	-90.26	25.7	-975.0	490.0	446.1	43.86	11.171	
8,265.0	8,233.0	8,343.0	8,233.9	20.0	24.0	-90.26	25.7	-975.0	490.0	446.1	43.92	11.157	
8,300.0	8,268.0	8,378.0	8,268.9	20.0	24.0	-90.26	25.7	-975.0	490.0	446.0	43.95	11.149	
8,360.0	8,328.0	8,438.0	8,328.9	20.0	24.0	-90.26	25.7	-975.0	490.0	446.0	44.00	11.137	
8,400.0	8,368.0	8,478.0	8,368.9	20.0	24.0	-90.26	25.7	-975.0	490.0	446.0	44.03	11.128	
8,455.0	8,423.0	8,533.0	8,423.9	20.1	24.1	-90.26	25.7	-975.0	490.0	445.9	44.08	11.117	
8,500.0	8,468.0	8,578.0	8,468.9	20.1	24.1	-90.26	25.7	-975.0	490.0	445.9	44.12	11.107	
8,550.0	8,518.0	8,628.0	8,518.9	20.1	24.1	-90.26	25.7	-975.0	490.0	445.8	44.16	11.096	
8,600.0	8,568.0	8,678.0	8,568.9	20.1	24.1	-90.26	25.7	-975.0	490.0	445.8	44.20	11.086	
8,645.0	8,613.0	8,723.0	8,613.9	20.2	24.1	-90.26	25.7	-975.0	490.0	445.7	44.24	11.076	
8,700.0	8,668.0	8,778.0	8,668.9	20.2	24.1	-90.26	25.7	-975.0	490.0	445.7	44.29	11.064	
8,740.0	8,708.0	8,818.0	8,708.9	20.2	24.2	-90.26	25.7	-975.0	490.0	445.7	44.32	11.056	
8,800.0	8,768.0	8,878.0	8,768.9	20.2	24.2	-90.26	25.7	-975.0	490.0	445.6	44.37	11.043	
8,835.0	8,803.0	8,913.0	8,803.9	20.2	24.2	-90.26	25.7	-975.0	490.0	445.6	44.40	11.036	
8,900.0	8,868.0	8,978.0	8,868.9	20.3	24.2	-90.26	25.7	-975.0	490.0	445.5	44.46	11.022	
8,930.0	8,898.0	9,008.0	8,898.9	20.3	24.2	-90.26	25.7	-975.0	490.0	445.5	44.48	11.015	
9,000.0	8,968.0	9,078.0	8,968.9	20.3	24.3	-90.26	25.7	-975.0	490.0	445.4	44.54	11.000	
9,025.0	8,993.0	9,103.0	8,993.9	20.3	24.3	-90.26	25.7	-975.0	490.0	445.4	44.56	10.995	
9,100.0	9,068.0	9,178.0	9,068.9	20.4	24.3	-90.26	25.7	-975.0	490.0	445.4	44.63	10.979	
9,120.0	9,088.0	9,198.0	9,088.9	20.4	24.3	-90.26	25.7	-975.0	490.0	445.3	44.65	10.974	
9,200.0	9,168.0	9,278.0	9,168.9	20.4	24.3	-90.26	25.7	-975.0	490.0	445.3	44.72	10.957	
9,215.0	9,183.0	9,293.0	9,183.9	20.4	24.3	-90.26	25.7	-975.0	490.0	445.3	44.73	10.954	
9,300.0	9,268.0	9,378.0	9,268.9	20.5	24.4	-90.26	25.7	-975.0	490.0	445.2	44.81	10.936	
9,310.0	9,278.0	9,388.0	9,278.9	20.5	24.4	-90.26	25.7	-975.0	490.0	445.2	44.81	10.934	
9,400.0	9,368.0	9,478.0	9,368.9	20.5	24.4	-90.26	25.7	-975.0	490.0	445.1	44.89	10.914	
9,405.0	9,373.0	9,483.0	9,373.9	20.5	24.4	-90.26	25.7	-975.0	490.0	445.1	44.90	10.913	
9,500.0	9,468.0	9,578.0	9,468.9	20.6	24.5	-90.26	25.7	-975.0	490.0	445.0	44.98	10.893	
9,595.0	9,563.0	9,673.0	9,563.9	20.6	24.5	-90.26	25.7	-975.0	490.0	444.9	45.07	10.872	
9,600.0	9,568.0	9,678.0	9,568.9	20.6	24.5	-90.26	25.7	-975.0	490.0	444.9	45.07	10.871	
9,690.0	9,658.0	9,768.0	9,658.9	20.7	24.5	-90.26	25.7	-975.0	490.0	444.8	45.15	10.852	
9,700.0	9,668.0	9,778.0	9,668.9	20.7	24.5	-90.26	25.7	-975.0	490.0	444.8	45.16	10.850	
9,785.0	9,753.0	9,863.0	9,753.9	20.7	24.6	-90.26	25.7	-975.0	490.0	444.7	45.24	10.832	
9,800.0	9,768.0	9,878.0	9,768.9	20.7	24.6	-90.26	25.7	-975.0	490.0	444.7	45.25	10.828	
9,812.1	9,780.0	9,890.0	9,780.9	20.7	24.6	-90.26	25.7	-975.0	490.0	444.7	45.26	10.827	
9,850.0	9,818.0	9,927.9	9,818.9	20.7	24.6	-90.29	25.7	-975.0	490.0	444.7	45.28	10.822	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,880.0	9,847.8	9,957.8	9,848.7	20.7	24.6	-90.61	25.7	-975.0	490.0	444.7	45.28	10.821	
9,900.0	9,867.6	9,977.6	9,868.5	20.7	24.6	-90.92	25.7	-975.0	490.0	444.8	45.28	10.822	
9,950.0	9,916.6	10,026.6	9,917.5	20.7	24.6	-92.02	25.7	-975.0	490.3	445.0	45.27	10.832	
9,975.0	9,940.8	10,050.8	9,941.7	20.7	24.6	-92.72	25.7	-975.0	490.6	445.3	45.24	10.843	
10,000.0	9,964.6	10,074.6	9,965.5	20.7	24.6	-93.52	25.7	-975.0	491.0	445.8	45.21	10.861	
10,050.0	10,011.2	10,125.1	10,016.0	20.8	24.7	-95.31	27.5	-975.0	492.4	447.3	45.06	10.926	
10,070.0	10,029.4	10,145.9	10,036.6	20.8	24.7	-96.04	29.5	-975.0	493.0	448.1	44.99	10.959	
10,100.0	10,056.0	10,177.5	10,068.0	20.8	24.7	-97.11	34.1	-975.1	494.2	449.4	44.87	11.015	
10,150.0	10,098.7	10,231.7	10,120.9	20.8	24.7	-98.88	45.9	-975.1	496.6	452.0	44.63	11.126	
10,165.0	10,111.1	10,248.4	10,136.9	20.8	24.7	-99.40	50.5	-975.1	497.4	452.8	44.56	11.163	
10,200.0	10,139.0	10,287.9	10,174.2	20.8	24.7	-100.60	63.3	-975.1	499.4	455.0	44.37	11.253	
10,250.0	10,176.6	10,346.2	10,227.5	20.8	24.7	-102.26	86.8	-975.2	502.5	458.4	44.11	11.390	
10,260.0	10,183.7	10,358.1	10,238.1	20.8	24.7	-102.58	92.2	-975.2	503.1	459.1	44.06	11.418	
10,300.0	10,211.1	10,406.6	10,280.0	20.8	24.7	-103.85	116.7	-975.2	505.8	462.0	43.87	11.530	
10,350.0	10,242.4	10,469.3	10,330.7	20.9	24.7	-105.34	153.4	-975.3	509.3	465.6	43.67	11.663	
10,355.0	10,245.3	10,475.7	10,335.7	20.9	24.7	-105.48	157.5	-975.3	509.7	466.0	43.65	11.675	
10,400.0	10,270.1	10,534.3	10,378.8	20.9	24.7	-106.71	197.1	-975.4	512.8	469.2	43.52	11.781	
10,450.0	10,294.1	10,601.5	10,423.0	20.9	24.8	-107.94	247.7	-975.5	516.0	472.6	43.44	11.879	
10,500.0	10,314.2	10,670.8	10,462.0	21.0	24.8	-109.00	304.9	-975.6	519.0	475.6	43.44	11.949	
10,545.0	10,328.8	10,734.7	10,491.7	21.0	24.8	-109.79	361.6	-975.7	521.3	477.8	43.49	11.986	
10,550.0	10,330.2	10,741.9	10,494.6	21.0	24.8	-109.86	368.1	-975.7	521.5	478.0	43.50	11.989	
10,600.0	10,342.1	10,814.6	10,519.6	21.1	24.9	-110.51	436.4	-975.8	523.4	479.8	43.62	11.999	
10,640.0	10,348.5	10,873.7	10,533.3	21.1	25.0	-110.87	493.7	-975.9	524.5	480.7	43.76	11.986	
10,650.0	10,349.6	10,888.5	10,535.9	21.1	25.0	-110.93	508.4	-976.0	524.7	480.9	43.79	11.981	
10,700.0	10,352.9	10,963.0	10,542.8	21.2	25.1	-111.10	582.5	-976.1	525.2	481.2	44.00	11.937	
10,709.7	10,353.0	10,977.5	10,543.0	21.2	25.1	-111.10	597.0	-976.1	525.2	481.2	44.04	11.927	
10,712.7	10,353.0	10,981.9	10,543.0	21.2	25.1	-111.10	601.4	-976.2	525.2	481.2	44.05	11.923	
10,735.0	10,353.1	11,002.5	10,543.1	21.3	25.1	-111.10	622.0	-976.2	525.2	481.1	44.12	11.904	
10,800.0	10,353.4	11,067.5	10,543.4	21.4	25.2	-111.10	687.0	-976.3	525.2	480.9	44.35	11.843	
10,830.0	10,353.5	11,097.5	10,543.5	21.5	25.3	-111.10	717.0	-976.4	525.2	480.7	44.46	11.813	
10,900.0	10,353.8	11,167.5	10,543.8	21.6	25.4	-111.11	787.0	-976.5	525.2	480.5	44.74	11.738	
10,925.0	10,353.9	11,192.5	10,543.9	21.7	25.4	-111.11	812.0	-976.6	525.2	480.4	44.85	11.710	
11,000.0	10,354.2	11,267.5	10,544.2	21.8	25.6	-111.11	887.0	-976.7	525.2	480.0	45.19	11.622	
11,020.0	10,354.3	11,287.5	10,544.3	21.9	25.6	-111.11	907.0	-976.7	525.2	479.9	45.29	11.598	
11,100.0	10,354.6	11,367.5	10,544.6	22.1	25.8	-111.11	987.0	-976.9	525.2	479.5	45.68	11.497	
11,115.0	10,354.7	11,382.5	10,544.7	22.1	25.8	-111.11	1,002.0	-976.9	525.2	479.5	45.76	11.478	
11,200.0	10,355.0	11,467.5	10,545.1	22.4	26.1	-111.11	1,087.0	-977.1	525.2	479.0	46.22	11.363	
11,210.0	10,355.1	11,477.5	10,545.1	22.4	26.1	-111.11	1,097.0	-977.1	525.2	478.9	46.28	11.349	
11,300.0	10,355.4	11,567.5	10,545.5	22.7	26.3	-111.11	1,187.0	-977.3	525.2	478.4	46.80	11.222	
11,305.0	10,355.4	11,572.5	10,545.5	22.7	26.3	-111.11	1,192.0	-977.3	525.2	478.4	46.83	11.215	
11,400.0	10,355.8	11,667.5	10,545.9	23.0	26.6	-111.11	1,287.0	-977.5	525.2	477.8	47.43	11.074	
11,495.0	10,356.2	11,762.5	10,546.3	23.3	26.9	-111.11	1,382.0	-977.7	525.2	477.2	48.06	10.929	
11,500.0	10,356.2	11,767.5	10,546.3	23.3	26.9	-111.11	1,387.0	-977.7	525.2	477.1	48.09	10.921	
11,590.0	10,356.6	11,857.5	10,546.7	23.6	27.2	-111.11	1,477.0	-977.8	525.2	476.5	48.73	10.779	
11,600.0	10,356.7	11,867.5	10,546.7	23.7	27.2	-111.11	1,487.0	-977.9	525.2	476.4	48.80	10.763	
11,685.0	10,357.0	11,952.5	10,547.1	24.0	27.5	-111.11	1,572.0	-978.0	525.2	475.8	49.43	10.626	
11,700.0	10,357.1	11,967.5	10,547.2	24.1	27.6	-111.11	1,587.0	-978.1	525.2	475.7	49.54	10.602	
11,780.0	10,357.4	12,047.5	10,547.5	24.4	27.8	-111.11	1,667.0	-978.2	525.2	475.1	50.16	10.471	
11,800.0	10,357.5	12,067.5	10,547.6	24.5	27.9	-111.11	1,687.0	-978.2	525.2	474.9	50.32	10.438	
11,875.0	10,357.8	12,142.5	10,547.9	24.8	28.2	-111.11	1,762.0	-978.4	525.2	474.3	50.93	10.314	
11,900.0	10,357.9	12,167.5	10,548.0	24.9	28.3	-111.11	1,787.0	-978.4	525.2	474.1	51.13	10.273	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,970.0	10,358.2	12,237.5	10,548.3	25.2	28.5	-111.11	1,857.0	-978.6	525.2	473.5	51.72	10.155	
12,000.0	10,358.3	12,267.5	10,548.4	25.3	28.7	-111.11	1,887.0	-978.6	525.2	473.3	51.98	10.106	
12,065.0	10,358.6	12,332.5	10,548.7	25.6	28.9	-111.12	1,952.0	-978.8	525.2	472.7	52.54	9.996	
12,100.0	10,358.7	12,367.5	10,548.8	25.8	29.1	-111.12	1,987.0	-978.8	525.3	472.4	52.85	9.938	
12,160.0	10,359.0	12,427.5	10,549.1	26.0	29.3	-111.12	2,047.0	-978.9	525.3	471.9	53.39	9.838	
12,200.0	10,359.1	12,467.5	10,549.3	26.2	29.5	-111.12	2,087.0	-979.0	525.3	471.5	53.76	9.771	
12,255.0	10,359.3	12,522.5	10,549.5	26.5	29.7	-111.12	2,142.0	-979.1	525.3	471.0	54.27	9.679	
12,300.0	10,359.5	12,567.5	10,549.7	26.7	29.9	-111.12	2,187.0	-979.2	525.3	470.6	54.69	9.604	
12,350.0	10,359.7	12,617.5	10,549.9	26.9	30.1	-111.12	2,237.0	-979.3	525.3	470.1	55.17	9.521	
12,400.0	10,359.9	12,667.5	10,550.1	27.2	30.3	-111.12	2,287.0	-979.4	525.3	469.6	55.65	9.439	
12,445.0	10,360.1	12,712.5	10,550.3	27.4	30.5	-111.12	2,332.0	-979.5	525.3	469.2	56.09	9.364	
12,500.0	10,360.4	12,767.5	10,550.5	27.7	30.8	-111.12	2,387.0	-979.6	525.3	468.6	56.63	9.275	
12,540.0	10,360.5	12,807.5	10,550.7	27.9	31.0	-111.12	2,427.0	-979.7	525.3	468.2	57.04	9.209	
12,600.0	10,360.8	12,867.5	10,550.9	28.2	31.3	-111.12	2,487.0	-979.8	525.3	467.6	57.64	9.112	
12,635.0	10,360.9	12,902.5	10,551.1	28.4	31.4	-111.12	2,522.0	-979.9	525.3	467.3	58.00	9.056	
12,700.0	10,361.2	12,967.5	10,551.3	28.7	31.7	-111.12	2,587.0	-980.0	525.3	466.6	58.68	8.952	
12,730.0	10,361.3	12,997.5	10,551.5	28.9	31.9	-111.12	2,617.0	-980.0	525.3	466.3	58.99	8.904	
12,800.0	10,361.6	13,067.5	10,551.8	29.3	32.2	-111.12	2,687.0	-980.2	525.3	465.5	59.73	8.794	
12,825.0	10,361.7	13,092.5	10,551.9	29.4	32.4	-111.12	2,712.0	-980.2	525.3	465.3	60.00	8.755	
12,900.0	10,362.0	13,167.5	10,552.2	29.8	32.7	-111.12	2,787.0	-980.4	525.3	464.5	60.80	8.639	
12,920.0	10,362.1	13,187.5	10,552.3	29.9	32.8	-111.12	2,807.0	-980.4	525.3	464.3	61.02	8.608	
13,000.0	10,362.4	13,267.5	10,552.6	30.4	33.2	-111.12	2,887.0	-980.6	525.3	463.4	61.90	8.487	
13,015.0	10,362.5	13,282.5	10,552.7	30.5	33.3	-111.12	2,902.0	-980.6	525.3	463.2	62.06	8.464	
13,100.0	10,362.8	13,367.5	10,553.0	30.9	33.8	-111.12	2,987.0	-980.8	525.3	462.3	63.01	8.337	
13,110.0	10,362.9	13,377.5	10,553.1	31.0	33.8	-111.12	2,997.0	-980.8	525.3	462.2	63.12	8.322	
13,200.0	10,363.2	13,467.5	10,553.4	31.5	34.3	-111.13	3,087.0	-980.9	525.3	461.1	64.14	8.190	
13,205.0	10,363.3	13,472.5	10,553.5	31.5	34.3	-111.13	3,092.0	-981.0	525.3	461.1	64.19	8.183	
13,300.0	10,363.6	13,567.5	10,553.9	32.1	34.8	-111.13	3,187.0	-981.1	525.3	460.0	65.28	8.047	
13,395.0	10,364.0	13,662.5	10,554.3	32.6	35.3	-111.13	3,282.0	-981.3	525.3	458.9	66.38	7.913	
13,400.0	10,364.1	13,667.5	10,554.3	32.7	35.4	-111.13	3,287.0	-981.3	525.3	458.8	66.44	7.906	
13,490.0	10,364.4	13,757.5	10,554.7	33.2	35.9	-111.13	3,377.0	-981.5	525.3	457.8	67.50	7.782	
13,500.0	10,364.5	13,767.5	10,554.7	33.3	35.9	-111.13	3,387.0	-981.5	525.3	457.7	67.62	7.769	
13,585.0	10,364.8	13,852.5	10,555.1	33.8	36.4	-111.13	3,472.0	-981.7	525.3	456.7	68.63	7.654	
13,600.0	10,364.9	13,867.5	10,555.1	33.9	36.5	-111.13	3,487.0	-981.7	525.3	456.5	68.81	7.634	
13,680.0	10,365.2	13,947.5	10,555.5	34.4	36.9	-111.13	3,567.0	-981.9	525.3	455.5	69.77	7.529	
13,700.0	10,365.3	13,967.5	10,555.5	34.5	37.0	-111.13	3,587.0	-981.9	525.3	455.3	70.01	7.503	
13,775.0	10,365.6	14,042.5	10,555.9	34.9	37.5	-111.13	3,662.0	-982.1	525.3	454.4	70.92	7.407	
13,800.0	10,365.7	14,067.5	10,556.0	35.1	37.6	-111.13	3,687.0	-982.1	525.3	454.1	71.23	7.375	
13,870.0	10,366.0	14,137.5	10,556.3	35.5	38.0	-111.13	3,757.0	-982.2	525.3	453.2	72.08	7.287	
13,900.0	10,366.1	14,167.5	10,556.4	35.7	38.2	-111.13	3,787.0	-982.3	525.3	452.9	72.45	7.250	
13,965.0	10,366.4	14,232.5	10,556.7	36.1	38.6	-111.13	3,852.0	-982.4	525.3	452.0	73.26	7.171	
14,000.0	10,366.5	14,267.5	10,556.8	36.3	38.8	-111.13	3,887.0	-982.5	525.3	451.6	73.69	7.128	
14,060.0	10,366.8	14,327.5	10,557.0	36.7	39.1	-111.13	3,947.0	-982.6	525.3	450.9	74.44	7.057	
14,100.0	10,366.9	14,367.5	10,557.2	37.0	39.4	-111.13	3,987.0	-982.7	525.3	450.4	74.94	7.010	
14,155.0	10,367.2	14,422.5	10,557.4	37.3	39.7	-111.13	4,042.0	-982.8	525.3	449.7	75.63	6.945	
14,200.0	10,367.3	14,467.5	10,557.6	37.6	40.0	-111.13	4,087.0	-982.9	525.3	449.1	76.20	6.894	
14,250.0	10,367.5	14,517.5	10,557.8	37.9	40.3	-111.13	4,137.0	-983.0	525.3	448.5	76.84	6.837	
14,300.0	10,367.7	14,567.5	10,558.1	38.2	40.6	-111.13	4,187.0	-983.1	525.3	447.8	77.47	6.781	
14,345.0	10,367.9	14,612.5	10,558.2	38.5	40.9	-111.13	4,232.0	-983.2	525.3	447.3	78.05	6.731	
14,400.0	10,368.2	14,667.5	10,558.5	38.9	41.2	-111.14	4,287.0	-983.3	525.3	446.6	78.75	6.671	
14,440.0	10,368.3	14,707.5	10,558.6	39.1	41.4	-111.14	4,327.0	-983.3	525.3	446.1	79.27	6.627	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.0	10,368.6	14,767.5	10,558.9	39.5	41.8	-111.14	4,387.0	-983.5	525.3	445.3	80.04	6.563	
14,535.0	10,368.7	14,802.5	10,559.0	39.8	42.0	-111.14	4,422.0	-983.5	525.3	444.8	80.49	6.526	
14,600.0	10,369.0	14,867.5	10,559.3	40.2	42.4	-111.14	4,487.0	-983.6	525.3	444.0	81.34	6.459	
14,630.0	10,369.1	14,897.5	10,559.4	40.4	42.6	-111.14	4,517.0	-983.7	525.3	443.6	81.73	6.428	
14,700.0	10,369.4	14,967.5	10,559.7	40.8	43.0	-111.14	4,587.0	-983.8	525.3	442.7	82.64	6.357	
14,725.0	10,369.5	14,992.5	10,559.8	41.0	43.2	-111.14	4,612.0	-983.9	525.3	442.4	82.97	6.332	
14,800.0	10,369.8	15,067.5	10,560.2	41.5	43.7	-111.14	4,687.0	-984.0	525.3	441.4	83.96	6.257	
14,820.0	10,369.9	15,087.5	10,560.2	41.6	43.8	-111.14	4,707.0	-984.1	525.3	441.1	84.22	6.238	
14,900.0	10,370.2	15,167.5	10,560.6	42.2	44.3	-111.14	4,787.0	-984.2	525.3	440.1	85.28	6.160	
14,915.0	10,370.3	15,182.5	10,560.6	42.3	44.4	-111.14	4,802.0	-984.3	525.3	439.9	85.47	6.146	
15,000.0	10,370.6	15,267.5	10,561.0	42.8	44.9	-111.14	4,887.0	-984.4	525.3	438.7	86.60	6.066	
15,010.0	10,370.7	15,277.5	10,561.0	42.9	45.0	-111.14	4,897.0	-984.4	525.3	438.6	86.74	6.057	
15,100.0	10,371.0	15,367.5	10,561.4	43.5	45.6	-111.14	4,987.0	-984.6	525.3	437.4	87.94	5.974	
15,105.0	10,371.1	15,372.5	10,561.4	43.5	45.6	-111.14	4,992.0	-984.6	525.3	437.3	88.00	5.970	
15,200.0	10,371.4	15,467.5	10,561.8	44.2	46.2	-111.14	5,087.0	-984.8	525.3	436.1	89.28	5.884	
15,295.0	10,371.8	15,562.5	10,562.2	44.8	46.8	-111.14	5,182.0	-985.0	525.3	434.8	90.56	5.801	
15,300.0	10,371.9	15,567.5	10,562.2	44.8	46.9	-111.14	5,187.0	-985.0	525.3	434.7	90.62	5.797	
15,390.0	10,372.2	15,657.5	10,562.6	45.5	47.5	-111.14	5,277.0	-985.2	525.4	433.5	91.84	5.720	
15,400.0	10,372.3	15,667.5	10,562.7	45.5	47.5	-111.14	5,287.0	-985.2	525.4	433.4	91.97	5.712	
15,485.0	10,372.6	15,752.5	10,563.0	46.1	48.1	-111.14	5,372.0	-985.4	525.4	432.2	93.13	5.641	
15,500.0	10,372.7	15,767.5	10,563.1	46.2	48.2	-111.14	5,387.0	-985.4	525.4	432.0	93.33	5.629	
15,580.0	10,373.0	15,847.5	10,563.4	46.8	48.7	-111.15	5,467.0	-985.5	525.4	430.9	94.42	5.564	
15,600.0	10,373.1	15,867.5	10,563.5	46.9	48.8	-111.15	5,487.0	-985.6	525.4	430.7	94.70	5.548	
15,675.0	10,373.4	15,942.5	10,563.8	47.4	49.3	-111.15	5,562.0	-985.7	525.4	429.6	95.72	5.488	
15,700.0	10,373.5	15,967.5	10,563.9	47.6	49.5	-111.15	5,587.0	-985.8	525.4	429.3	96.06	5.469	
15,770.0	10,373.8	16,037.5	10,564.2	48.1	50.0	-111.15	5,657.0	-985.9	525.4	428.3	97.03	5.415	
15,800.0	10,373.9	16,067.5	10,564.3	48.3	50.2	-111.15	5,687.0	-986.0	525.4	427.9	97.44	5.392	
15,865.0	10,374.2	16,132.5	10,564.6	48.7	50.6	-111.15	5,752.0	-986.1	525.4	427.0	98.33	5.343	
15,900.0	10,374.3	16,167.5	10,564.8	49.0	50.8	-111.15	5,787.0	-986.2	525.4	426.6	98.82	5.317	
15,960.0	10,374.6	16,227.5	10,565.0	49.4	51.2	-111.15	5,847.0	-986.3	525.4	425.7	99.64	5.272	
16,000.0	10,374.7	16,267.5	10,565.2	49.7	51.5	-111.15	5,887.0	-986.3	525.4	425.2	100.20	5.243	
16,055.0	10,375.0	16,322.5	10,565.4	50.0	51.9	-111.15	5,942.0	-986.5	525.4	424.4	100.96	5.204	
16,100.0	10,375.1	16,367.5	10,565.6	50.3	52.2	-111.15	5,987.0	-986.5	525.4	423.8	101.58	5.172	
16,150.0	10,375.3	16,417.5	10,565.8	50.7	52.5	-111.15	6,037.0	-986.6	525.4	423.1	102.28	5.137	
16,200.0	10,375.6	16,467.5	10,566.0	51.0	52.8	-111.15	6,087.0	-986.7	525.4	422.4	102.98	5.102	
16,245.0	10,375.7	16,512.5	10,566.2	51.4	53.1	-111.15	6,132.0	-986.8	525.4	421.8	103.60	5.071	
16,300.0	10,376.0	16,567.5	10,566.4	51.7	53.5	-111.15	6,186.9	-986.9	525.4	421.0	104.37	5.034	
16,340.0	10,376.1	16,607.5	10,566.6	52.0	53.8	-111.15	6,226.9	-987.0	525.4	420.4	104.93	5.007	
16,400.0	10,376.4	16,667.5	10,566.9	52.4	54.2	-111.15	6,286.9	-987.1	525.4	419.6	105.77	4.967	
16,435.0	10,376.5	16,702.5	10,567.0	52.7	54.4	-111.15	6,321.9	-987.2	525.4	419.1	106.26	4.944	
16,500.0	10,376.8	16,767.5	10,567.3	53.1	54.9	-111.15	6,386.9	-987.3	525.4	418.2	107.17	4.902	
16,530.0	10,376.9	16,797.5	10,567.4	53.4	55.1	-111.15	6,416.9	-987.4	525.4	417.8	107.59	4.883	
16,600.0	10,377.2	16,867.5	10,567.7	53.8	55.5	-111.15	6,486.9	-987.5	525.4	416.8	108.58	4.839	
16,625.0	10,377.3	16,892.5	10,567.8	54.0	55.7	-111.15	6,511.9	-987.6	525.4	416.5	108.93	4.823	
16,700.0	10,377.6	16,967.5	10,568.1	54.6	56.2	-111.16	6,586.9	-987.7	525.4	415.4	109.99	4.777	
16,720.0	10,377.7	16,987.5	10,568.2	54.7	56.4	-111.16	6,606.9	-987.7	525.4	415.1	110.27	4.765	
16,800.0	10,378.0	17,067.5	10,568.5	55.3	56.9	-111.16	6,686.9	-987.9	525.4	414.0	111.40	4.716	
16,815.0	10,378.1	17,082.5	10,568.6	55.4	57.0	-111.16	6,701.9	-987.9	525.4	413.8	111.61	4.707	
16,900.0	10,378.4	17,167.5	10,569.0	56.0	57.6	-111.16	6,786.9	-988.1	525.4	412.6	112.82	4.657	
16,910.0	10,378.5	17,177.5	10,569.0	56.0	57.7	-111.16	6,796.9	-988.1	525.4	412.4	112.96	4.651	
17,000.0	10,378.8	17,267.5	10,569.4	56.7	58.3	-111.16	6,886.9	-988.3	525.4	411.2	114.23	4.599	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,005.0	10,378.9	17,272.5	10,569.4	56.7	58.3	-111.16	6,891.9	-988.3	525.4	411.1	114.30	4.596	
17,100.0	10,379.3	17,367.5	10,569.8	57.4	59.0	-111.16	6,986.9	-988.5	525.4	409.7	115.66	4.543	
17,195.0	10,379.6	17,462.5	10,570.2	58.1	59.6	-111.16	7,081.9	-988.7	525.4	408.4	117.01	4.490	
17,200.0	10,379.7	17,467.5	10,570.2	58.1	59.7	-111.16	7,086.9	-988.7	525.4	408.3	117.08	4.488	
17,290.0	10,380.0	17,557.5	10,570.6	58.7	60.3	-111.16	7,176.9	-988.8	525.4	407.0	118.36	4.439	
17,300.0	10,380.1	17,567.5	10,570.6	58.8	60.4	-111.16	7,186.9	-988.9	525.4	406.9	118.51	4.434	
17,385.0	10,380.4	17,652.5	10,571.0	59.4	61.0	-111.16	7,271.9	-989.0	525.4	405.7	119.72	4.389	
17,400.0	10,380.5	17,667.5	10,571.1	59.5	61.1	-111.16	7,286.9	-989.1	525.4	405.5	119.94	4.381	
17,480.0	10,380.8	17,747.5	10,571.4	60.1	61.6	-111.16	7,366.9	-989.2	525.4	404.3	121.08	4.339	
17,500.0	10,380.9	17,767.5	10,571.5	60.2	61.8	-111.16	7,386.9	-989.2	525.4	404.0	121.37	4.329	
17,575.0	10,381.2	17,842.5	10,571.8	60.8	62.3	-111.16	7,461.9	-989.4	525.4	403.0	122.45	4.291	
17,600.0	10,381.3	17,867.5	10,571.9	61.0	62.5	-111.16	7,486.9	-989.4	525.4	402.6	122.80	4.278	
17,670.0	10,381.6	17,937.5	10,572.2	61.5	63.0	-111.16	7,556.9	-989.6	525.4	401.6	123.81	4.244	
17,700.0	10,381.7	17,967.5	10,572.3	61.7	63.2	-111.16	7,586.9	-989.6	525.4	401.2	124.24	4.229	
17,765.0	10,382.0	18,032.5	10,572.6	62.2	63.6	-111.16	7,651.9	-989.8	525.4	400.2	125.18	4.197	
17,800.0	10,382.1	18,067.5	10,572.7	62.4	63.9	-111.16	7,686.9	-989.8	525.4	399.7	125.68	4.181	
17,860.0	10,382.4	18,127.5	10,573.0	62.8	64.3	-111.17	7,746.9	-989.9	525.4	398.9	126.55	4.152	
17,900.0	10,382.5	18,167.5	10,573.1	63.1	64.6	-111.17	7,786.9	-990.0	525.4	398.3	127.12	4.133	
17,955.0	10,382.8	18,222.5	10,573.4	63.5	65.0	-111.17	7,841.9	-990.1	525.4	397.5	127.92	4.108	
18,000.0	10,382.9	18,267.5	10,573.6	63.8	65.3	-111.17	7,886.9	-990.2	525.4	396.9	128.57	4.087	
18,050.0	10,383.2	18,317.5	10,573.8	64.2	65.6	-111.17	7,936.9	-990.3	525.4	396.1	129.29	4.064	
18,100.0	10,383.4	18,367.5	10,574.0	64.6	66.0	-111.17	7,986.9	-990.4	525.4	395.4	130.01	4.041	
18,145.0	10,383.5	18,412.5	10,574.2	64.9	66.3	-111.17	8,031.9	-990.5	525.4	394.8	130.66	4.021	
18,200.0	10,383.8	18,467.5	10,574.4	65.3	66.7	-111.17	8,086.9	-990.6	525.4	394.0	131.46	3.997	
18,240.0	10,383.9	18,507.5	10,574.6	65.6	67.0	-111.17	8,126.9	-990.7	525.4	393.4	132.04	3.979	
18,300.0	10,384.2	18,567.5	10,574.8	66.0	67.4	-111.17	8,186.9	-990.8	525.4	392.5	132.91	3.953	
18,335.0	10,384.3	18,602.5	10,575.0	66.3	67.7	-111.17	8,221.9	-990.9	525.4	392.0	133.42	3.938	
18,400.0	10,384.6	18,667.5	10,575.2	66.7	68.1	-111.17	8,286.9	-991.0	525.4	391.1	134.36	3.911	
18,430.0	10,384.7	18,697.5	10,575.4	67.0	68.3	-111.17	8,316.9	-991.0	525.4	390.6	134.80	3.898	
18,500.0	10,385.0	18,767.5	10,575.7	67.5	68.8	-111.17	8,386.9	-991.2	525.4	389.6	135.82	3.869	
18,525.0	10,385.1	18,792.5	10,575.8	67.6	69.0	-111.17	8,411.9	-991.2	525.4	389.3	136.18	3.858	
18,600.0	10,385.4	18,867.5	10,576.1	68.2	69.5	-111.17	8,486.9	-991.4	525.4	388.2	137.27	3.828	
18,620.0	10,385.5	18,887.5	10,576.2	68.3	69.7	-111.17	8,506.9	-991.4	525.4	387.9	137.56	3.820	
18,700.0	10,385.8	18,967.5	10,576.5	68.9	70.3	-111.17	8,586.9	-991.6	525.5	386.7	138.73	3.788	
18,715.0	10,385.9	18,982.5	10,576.6	69.0	70.4	-111.17	8,601.9	-991.6	525.5	386.5	138.95	3.782	
18,800.0	10,386.2	19,067.5	10,576.9	69.6	71.0	-111.17	8,686.9	-991.8	525.5	385.3	140.19	3.748	
18,810.0	10,386.3	19,077.5	10,577.0	69.7	71.0	-111.17	8,696.9	-991.8	525.5	385.1	140.33	3.744	
18,900.0	10,386.6	19,167.5	10,577.3	70.4	71.7	-111.17	8,786.9	-991.9	525.5	383.8	141.65	3.710	
18,905.0	10,386.7	19,172.5	10,577.4	70.4	71.7	-111.17	8,791.9	-992.0	525.5	383.7	141.72	3.708	
19,000.0	10,387.1	19,267.5	10,577.8	71.1	72.4	-111.18	8,886.9	-992.1	525.5	382.4	143.11	3.672	
19,095.0	10,387.4	19,362.5	10,578.2	71.8	73.1	-111.18	8,981.9	-992.3	525.5	381.0	144.50	3.636	
19,100.0	10,387.5	19,367.5	10,578.2	71.8	73.1	-111.18	8,986.9	-992.3	525.5	380.9	144.57	3.635	
19,190.0	10,387.8	19,457.5	10,578.6	72.5	73.8	-111.18	9,076.9	-992.5	525.5	379.6	145.89	3.602	
19,200.0	10,387.9	19,467.5	10,578.6	72.6	73.8	-111.18	9,086.9	-992.5	525.5	379.4	146.04	3.598	
19,285.0	10,388.2	19,552.5	10,579.0	73.2	74.5	-111.18	9,171.9	-992.7	525.5	378.2	147.28	3.568	
19,300.0	10,388.3	19,567.5	10,579.0	73.3	74.6	-111.18	9,186.9	-992.7	525.5	378.0	147.50	3.562	
19,380.0	10,388.6	19,647.5	10,579.4	73.9	75.1	-111.18	9,266.9	-992.9	525.5	376.8	148.68	3.534	
19,400.0	10,388.7	19,667.5	10,579.4	74.0	75.3	-111.18	9,286.9	-992.9	525.5	376.5	148.97	3.527	
19,475.0	10,389.0	19,742.5	10,579.8	74.6	75.8	-111.18	9,361.9	-993.1	525.5	375.4	150.07	3.502	
19,500.0	10,389.1	19,767.5	10,579.9	74.8	76.0	-111.18	9,386.9	-993.1	525.5	375.0	150.44	3.493	
19,570.0	10,389.4	19,837.5	10,580.2	75.3	76.5	-111.18	9,456.9	-993.2	525.5	374.0	151.47	3.469	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,600.0	10,389.5	19,867.5	10,580.3	75.5	76.7	-111.18	9,486.9	-993.3	525.5	373.6	151.91	3.459	
19,665.0	10,389.8	19,932.5	10,580.6	76.0	77.2	-111.18	9,551.9	-993.4	525.5	372.6	152.86	3.438	
19,700.0	10,389.9	19,967.5	10,580.7	76.2	77.4	-111.18	9,586.9	-993.5	525.5	372.1	153.38	3.426	
19,760.0	10,390.2	20,027.5	10,580.9	76.7	77.9	-111.18	9,646.9	-993.6	525.5	371.2	154.26	3.406	
19,800.0	10,390.3	20,067.5	10,581.1	77.0	78.2	-111.18	9,686.9	-993.7	525.5	370.6	154.85	3.393	
19,855.0	10,390.6	20,122.5	10,581.3	77.4	78.6	-111.18	9,741.9	-993.8	525.5	369.8	155.66	3.376	
19,900.0	10,390.8	20,167.5	10,581.5	77.7	78.9	-111.18	9,786.9	-993.9	525.5	369.2	156.33	3.361	
19,950.0	10,391.0	20,217.5	10,581.7	78.1	79.3	-111.18	9,836.9	-994.0	525.5	368.4	157.06	3.346	
20,000.0	10,391.2	20,267.5	10,582.0	78.4	79.6	-111.18	9,886.9	-994.1	525.5	367.7	157.80	3.330	
20,045.0	10,391.3	20,312.5	10,582.1	78.8	79.9	-111.18	9,931.9	-994.2	525.5	367.0	158.46	3.316	
20,100.0	10,391.6	20,367.5	10,582.4	79.2	80.3	-111.18	9,986.9	-994.3	525.5	366.2	159.28	3.299	
20,140.0	10,391.7	20,407.5	10,582.5	79.5	80.6	-111.19	10,026.9	-994.3	525.5	365.6	159.87	3.287	
20,200.0	10,392.0	20,467.5	10,582.8	79.9	81.1	-111.19	10,086.9	-994.5	525.5	364.7	160.75	3.269	
20,235.0	10,392.1	20,502.5	10,582.9	80.2	81.3	-111.19	10,121.9	-994.5	525.5	364.2	161.27	3.258	
20,300.0	10,392.4	20,567.5	10,583.2	80.7	81.8	-111.19	10,186.9	-994.6	525.5	363.3	162.23	3.239	
20,330.0	10,392.5	20,597.5	10,583.3	80.9	82.0	-111.19	10,216.9	-994.7	525.5	362.8	162.67	3.230	
20,400.0	10,392.8	20,667.5	10,583.6	81.4	82.5	-111.19	10,286.9	-994.8	525.5	361.8	163.71	3.210	
20,425.0	10,392.9	20,692.5	10,583.7	81.6	82.7	-111.19	10,311.9	-994.9	525.5	361.4	164.08	3.203	
20,500.0	10,393.2	20,767.5	10,584.1	82.1	83.3	-111.19	10,386.9	-995.0	525.5	360.3	165.19	3.181	
20,520.0	10,393.3	20,787.5	10,584.1	82.3	83.4	-111.19	10,406.9	-995.1	525.5	360.0	165.49	3.176	
20,600.0	10,393.6	20,867.5	10,584.5	82.9	84.0	-111.19	10,486.9	-995.2	525.5	358.8	166.67	3.153	
20,615.0	10,393.7	20,882.5	10,584.5	83.0	84.1	-111.19	10,501.9	-995.3	525.5	358.6	166.89	3.149	
20,700.0	10,394.0	20,967.5	10,584.9	83.6	84.7	-111.19	10,586.9	-995.4	525.5	357.4	168.15	3.125	
20,710.0	10,394.1	20,977.5	10,584.9	83.7	84.8	-111.19	10,596.9	-995.4	525.5	357.2	168.30	3.122	
20,800.0	10,394.5	21,067.5	10,585.3	84.3	85.4	-111.19	10,686.9	-995.6	525.5	355.9	169.64	3.098	
20,805.0	10,394.5	21,072.5	10,585.3	84.4	85.5	-111.19	10,691.9	-995.6	525.5	355.8	169.71	3.097	
20,900.0	10,394.9	21,167.5	10,585.7	85.1	86.2	-111.19	10,786.9	-995.8	525.5	354.4	171.12	3.071	
20,995.0	10,395.3	21,262.5	10,586.1	85.8	86.9	-111.19	10,881.9	-996.0	525.5	353.0	172.53	3.046	
21,000.0	10,395.3	21,267.5	10,586.1	85.8	86.9	-111.19	10,886.9	-996.0	525.5	352.9	172.60	3.045	
21,090.0	10,395.6	21,357.5	10,586.5	86.5	87.6	-111.19	10,976.9	-996.2	525.5	351.6	173.94	3.021	
21,100.0	10,395.7	21,367.5	10,586.6	86.6	87.6	-111.19	10,986.9	-996.2	525.5	351.4	174.09	3.019	
21,185.0	10,396.0	21,452.5	10,586.9	87.2	88.3	-111.19	11,071.9	-996.4	525.5	350.2	175.35	2.997	
21,200.0	10,396.1	21,467.5	10,587.0	87.3	88.4	-111.19	11,086.9	-996.4	525.5	350.0	175.58	2.993	
21,280.0	10,396.4	21,547.5	10,587.3	87.9	89.0	-111.19	11,166.9	-996.5	525.5	348.8	176.77	2.973	
21,300.0	10,396.5	21,567.5	10,587.4	88.1	89.1	-111.20	11,186.9	-996.6	525.5	348.5	177.06	2.968	
21,375.0	10,396.8	21,642.5	10,587.7	88.6	89.7	-111.20	11,261.9	-996.7	525.5	347.4	178.18	2.949	
21,400.0	10,396.9	21,667.5	10,587.8	88.8	89.8	-111.20	11,286.9	-996.8	525.5	347.0	178.55	2.943	
21,470.0	10,397.2	21,737.5	10,588.1	89.3	90.3	-111.20	11,356.9	-996.9	525.5	345.9	179.59	2.926	
21,500.0	10,397.3	21,767.5	10,588.2	89.5	90.6	-111.20	11,386.9	-997.0	525.5	345.5	180.04	2.919	
21,565.0	10,397.6	21,832.5	10,588.5	90.0	91.0	-111.20	11,451.9	-997.1	525.5	344.5	181.01	2.903	
21,600.0	10,397.7	21,867.5	10,588.7	90.3	91.3	-111.20	11,486.9	-997.2	525.5	344.0	181.53	2.895	
21,660.0	10,398.0	21,927.5	10,588.9	90.7	91.7	-111.20	11,546.9	-997.3	525.5	343.1	182.42	2.881	
21,700.0	10,398.1	21,967.5	10,589.1	91.0	92.0	-111.20	11,586.9	-997.3	525.5	342.5	183.02	2.872	
21,755.0	10,398.4	22,022.5	10,589.3	91.4	92.4	-111.20	11,641.9	-997.5	525.5	341.7	183.84	2.859	
21,800.0	10,398.6	22,067.5	10,589.5	91.8	92.8	-111.20	11,686.9	-997.5	525.5	341.0	184.51	2.848	
21,850.0	10,398.8	22,117.5	10,589.7	92.1	93.1	-111.20	11,736.9	-997.6	525.5	340.3	185.26	2.837	
21,900.0	10,399.0	22,167.5	10,589.9	92.5	93.5	-111.20	11,786.9	-997.7	525.5	339.5	186.00	2.826	
21,945.0	10,399.2	22,212.5	10,590.1	92.8	93.8	-111.20	11,831.9	-997.8	525.5	338.9	186.67	2.815	
22,000.0	10,399.4	22,267.5	10,590.3	93.3	94.2	-111.20	11,886.9	-997.9	525.6	338.1	187.49	2.803	
22,040.0	10,399.5	22,307.5	10,590.5	93.6	94.5	-111.20	11,926.9	-998.0	525.6	337.5	188.09	2.794	
22,100.0	10,399.8	22,367.5	10,590.8	94.0	95.0	-111.20	11,986.9	-998.1	525.6	336.6	188.99	2.781	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #904H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10079-r.5 MWD+IFR1+MS **Rule Assigned:** **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,135.0	10,399.9	22,402.5	10,590.9	94.3	95.2	-111.20	12,021.9	-998.2	525.6	336.0	189.51	2.773	
22,200.0	10,400.2	22,467.5	10,591.2	94.7	95.7	-111.20	12,086.9	-998.3	525.6	335.1	190.48	2.759	
22,230.0	10,400.3	22,497.5	10,591.3	95.0	95.9	-111.20	12,116.9	-998.4	525.6	334.6	190.93	2.753	
22,264.2	10,400.5	22,531.8	10,591.4	95.2	96.2	-111.20	12,151.1	-998.4	525.6	334.1	191.44	2.745	
22,300.0	10,400.6	22,567.5	10,591.6	95.5	96.5	-111.20	12,186.9	-998.5	525.6	333.6	191.97	2.738	
22,325.0	10,400.7	22,592.5	10,591.7	95.7	96.6	-111.20	12,211.9	-998.6	525.6	333.2	192.34	2.732	
22,394.2	10,401.0	22,661.7	10,592.0	96.2	97.1	-111.20	12,281.1	-998.7	525.6	332.2	193.38	2.718	
22,394.8	10,401.0	22,662.3	10,592.0	96.2	97.2	-111.20	12,281.7	-998.7	525.6	332.2	193.38	2.718	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.3	1.3	3.0	3.0	-90.21	-0.2	-59.9	60.0				
95.0	95.0	96.3	96.3	3.0	3.0	-90.21	-0.2	-59.9	60.0	53.9	6.05	9.908	
100.0	100.0	101.3	101.3	3.0	3.0	-90.21	-0.2	-59.9	60.0	53.9	6.06	9.897	
190.0	190.0	191.3	191.3	3.1	3.1	-90.21	-0.2	-59.9	60.0	53.7	6.27	9.561	
200.0	200.0	201.3	201.3	3.2	3.2	-90.21	-0.2	-59.9	60.0	53.6	6.30	9.512	
285.0	285.0	286.3	286.3	3.3	3.3	-90.21	-0.2	-59.9	60.0	53.5	6.50	9.224	
300.0	300.0	301.3	301.3	3.3	3.3	-90.21	-0.2	-59.9	60.0	53.4	6.54	9.169	
380.0	380.0	381.3	381.3	3.4	3.4	-90.21	-0.2	-59.9	60.0	53.2	6.72	8.924	
400.0	400.0	401.3	401.3	3.4	3.4	-90.21	-0.2	-59.9	60.0	53.2	6.77	8.861	
475.0	475.0	476.3	476.3	3.5	3.5	-90.21	-0.2	-59.9	60.0	53.0	6.93	8.653	
500.0	500.0	501.3	501.3	3.5	3.5	-90.21	-0.2	-59.9	60.0	53.0	6.99	8.582	
570.0	570.0	571.3	571.3	3.6	3.6	-90.21	-0.2	-59.9	60.0	52.8	7.13	8.404	
600.0	600.0	601.3	601.3	3.6	3.7	-90.21	-0.2	-59.9	60.0	52.8	7.20	8.328	
665.0	665.0	666.3	666.3	3.7	3.7	-90.21	-0.2	-59.9	60.0	52.6	7.33	8.176	
700.0	700.0	701.3	701.3	3.8	3.8	-90.21	-0.2	-59.9	60.0	52.5	7.41	8.095	
760.0	760.0	761.3	761.3	3.8	3.8	-90.21	-0.2	-59.9	60.0	52.4	7.53	7.966	
800.0	800.0	801.3	801.3	3.9	3.9	-90.21	-0.2	-59.9	60.0	52.3	7.61	7.881	
855.0	855.0	856.3	856.3	4.0	4.0	-90.21	-0.2	-59.9	60.0	52.2	7.71	7.771	
900.0	900.0	901.3	901.3	4.0	4.0	-90.21	-0.2	-59.9	60.0	52.1	7.80	7.682	
950.0	950.0	951.3	951.3	4.1	4.1	-90.21	-0.2	-59.9	60.0	52.1	7.90	7.590	
1,000.0	1,000.0	1,001.3	1,001.3	4.1	4.1	-90.21	-0.2	-59.9	60.0	52.0	8.00	7.498	
1,045.0	1,045.0	1,046.3	1,046.3	4.2	4.2	-90.21	-0.2	-59.9	60.0	51.9	8.08	7.421	
1,100.0	1,100.0	1,101.3	1,101.3	4.3	4.3	-90.21	-0.2	-59.9	60.0	51.8	8.18	7.327	
1,140.0	1,140.0	1,141.3	1,141.3	4.3	4.3	-90.21	-0.2	-59.9	60.0	51.7	8.25	7.263	
1,200.0	1,200.0	1,201.3	1,201.3	4.4	4.4	-90.21	-0.2	-59.9	60.0	51.6	8.36	7.167	
1,235.0	1,235.0	1,236.3	1,236.3	4.4	4.4	-90.21	-0.2	-59.9	60.0	51.5	8.43	7.114	
1,300.0	1,300.0	1,301.3	1,301.3	4.5	4.5	-90.21	-0.2	-59.9	60.0	51.4	8.54	7.017	
1,330.0	1,330.0	1,331.3	1,331.3	4.5	4.5	-90.21	-0.2	-59.9	60.0	51.4	8.60	6.974	
1,400.0	1,400.0	1,401.3	1,401.3	4.6	4.6	-90.21	-0.2	-59.9	60.0	51.2	8.72	6.876	
1,425.0	1,425.0	1,426.3	1,426.3	4.6	4.6	-90.21	-0.2	-59.9	60.0	51.2	8.76	6.842	
1,437.1	1,437.1	1,438.4	1,438.4	4.7	4.7	-90.21	-0.2	-59.9	60.0	51.2	8.78	6.826	
1,500.0	1,500.0	1,501.3	1,501.3	4.7	4.7	-90.21	-0.2	-60.0	60.0	51.1	8.89	6.742	
1,520.0	1,520.0	1,520.9	1,520.9	4.7	4.7	-3.48	-0.2	-60.0	60.0	51.0	8.97	6.687	
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-3.16	0.2	-61.6	59.9	50.6	9.27	6.464	
1,606.4	1,606.3	1,605.5	1,605.5	4.8	4.8	-3.13	0.3	-61.8	59.9	50.6	9.30	6.442	
1,615.0	1,615.0	1,614.0	1,614.0	4.8	4.9	-3.06	0.4	-62.1	59.9	50.5	9.34	6.409	
1,700.0	1,699.8	1,697.3	1,697.1	5.0	5.0	-2.20	1.5	-66.5	59.7	49.9	9.80	6.090	
1,710.0	1,709.8	1,707.1	1,706.9	5.0	5.0	-2.07	1.7	-67.2	59.7	49.8	9.86	6.053	
1,800.0	1,799.5	1,795.3	1,794.8	5.2	5.2	-0.57	3.7	-74.6	59.3	49.0	10.36	5.726	
1,805.0	1,804.4	1,800.0	1,799.5	5.2	5.3	-0.48	3.8	-75.1	59.3	48.9	10.39	5.710	
1,900.0	1,898.7	1,893.3	1,892.1	5.5	5.5	1.72	6.7	-86.0	58.9	48.0	10.96	5.377	
1,912.2	1,910.8	1,905.3	1,903.9	5.6	5.6	2.05	7.1	-87.6	58.9	47.9	11.03	5.342	CC, ES
1,995.0	1,992.8	1,986.3	1,984.0	5.8	5.8	4.43	10.4	-99.7	60.1	48.6	11.48	5.238	
2,000.0	1,997.7	1,991.2	1,988.8	5.8	5.9	4.58	10.6	-100.5	60.3	48.8	11.50	5.238	
2,090.0	2,086.9	2,079.2	2,075.2	6.0	6.2	7.23	14.8	-116.3	64.5	52.5	12.02	5.365	
2,100.0	2,096.8	2,088.9	2,084.8	6.0	6.2	7.51	15.3	-118.2	65.1	53.1	12.08	5.393	
2,185.0	2,180.9	2,171.6	2,165.5	6.3	6.5	9.73	19.9	-135.7	72.1	59.5	12.59	5.727	
2,200.0	2,195.8	2,186.2	2,179.6	6.3	6.5	10.09	20.8	-139.0	73.6	60.9	12.68	5.803	
2,280.0	2,275.0	2,265.3	2,256.4	6.6	6.8	11.78	25.7	-157.5	82.1	68.9	13.17	6.234	
2,300.0	2,294.8	2,285.2	2,275.7	6.6	6.9	12.15	27.0	-162.1	84.3	71.0	13.30	6.337	
2,375.0	2,369.1	2,359.7	2,348.0	6.8	7.1	13.40	31.6	-179.5	92.4	78.6	13.78	6.703	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,393.8	2,384.6	2,372.2	6.9	7.2	13.76	33.2	-185.3	95.1	81.1	13.94	6.819	
2,470.0	2,463.2	2,454.2	2,439.7	7.2	7.4	14.69	37.5	-201.6	102.7	88.3	14.41	7.125	
2,500.0	2,492.9	2,484.0	2,468.6	7.3	7.5	15.04	39.3	-208.6	105.9	91.3	14.61	7.250	
2,565.0	2,557.2	2,548.6	2,531.3	7.5	7.8	15.74	43.4	-223.7	113.0	98.0	15.06	7.504	
2,600.0	2,591.9	2,583.4	2,565.0	7.6	7.9	16.08	45.5	-231.8	116.8	101.5	15.30	7.634	
2,660.0	2,651.3	2,643.0	2,622.9	7.8	8.1	16.62	49.2	-245.7	123.4	107.7	15.73	7.845	
2,700.0	2,690.9	2,682.7	2,661.5	7.9	8.3	16.94	51.7	-255.0	127.8	111.8	16.02	7.978	
2,755.0	2,745.4	2,737.4	2,714.5	8.1	8.5	17.36	55.1	-267.8	133.8	117.4	16.41	8.151	
2,800.0	2,789.9	2,782.1	2,757.9	8.3	8.6	17.67	57.9	-278.3	138.7	122.0	16.74	8.286	
2,850.0	2,839.5	2,831.8	2,806.1	8.5	8.8	17.99	61.0	-289.9	144.2	127.1	17.11	8.427	
2,900.0	2,889.0	2,881.5	2,854.3	8.6	9.0	18.29	64.1	-301.5	149.7	132.2	17.49	8.561	
2,945.0	2,933.5	2,926.2	2,897.7	8.8	9.2	18.54	66.9	-312.0	154.7	136.8	17.83	8.676	
3,000.0	2,988.0	2,980.9	2,950.7	9.0	9.4	18.82	70.3	-324.7	160.7	142.5	18.24	8.809	
3,040.0	3,027.6	3,020.6	2,989.3	9.2	9.6	19.02	72.8	-334.0	165.1	146.6	18.55	8.901	
3,100.0	3,087.0	3,080.3	3,047.2	9.4	9.8	19.29	76.5	-348.0	171.7	152.7	19.01	9.033	
3,135.0	3,121.7	3,115.1	3,080.9	9.5	10.0	19.44	78.6	-356.1	175.6	156.3	19.28	9.106	
3,200.0	3,186.0	3,179.7	3,143.6	9.8	10.3	19.70	82.7	-371.2	182.7	162.9	19.79	9.235	
3,230.0	3,215.8	3,209.5	3,172.5	9.9	10.4	19.82	84.5	-378.2	186.0	166.0	20.02	9.292	
3,300.0	3,285.1	3,279.0	3,240.0	10.1	10.7	20.07	88.8	-394.4	193.8	173.2	20.57	9.418	
3,325.0	3,309.8	3,303.9	3,264.1	10.2	10.8	20.15	90.4	-400.2	196.5	175.7	20.77	9.461	
3,400.0	3,384.1	3,378.4	3,336.5	10.5	11.1	20.39	95.0	-417.7	204.8	183.4	21.37	9.584	
3,420.0	3,403.9	3,398.3	3,355.8	10.6	11.2	20.45	96.3	-422.3	207.0	185.5	21.53	9.616	
3,500.0	3,483.1	3,477.8	3,432.9	10.9	11.5	20.68	101.2	-440.9	215.8	193.7	22.17	9.736	
3,515.0	3,498.0	3,492.7	3,447.4	11.0	11.6	20.72	102.1	-444.4	217.5	195.2	22.29	9.758	
3,600.0	3,582.2	3,577.2	3,529.3	11.3	12.0	20.94	107.4	-464.1	226.9	203.9	22.98	9.875	
3,610.0	3,592.1	3,587.1	3,539.0	11.4	12.0	20.97	108.0	-466.5	228.0	204.9	23.06	9.888	
3,700.0	3,681.2	3,676.6	3,625.8	11.7	12.4	21.18	113.6	-487.4	237.9	214.1	23.79	10.001	
3,705.0	3,686.1	3,681.5	3,630.6	11.7	12.4	21.19	113.9	-488.5	238.5	214.6	23.83	10.008	
3,800.0	3,780.2	3,775.9	3,722.2	12.1	12.9	21.40	119.8	-510.6	249.0	224.4	24.61	10.118	
3,895.0	3,874.3	3,870.4	3,813.8	12.5	13.3	21.59	125.6	-532.7	259.5	234.1	25.39	10.220	
3,900.0	3,879.2	3,875.3	3,818.6	12.5	13.3	21.60	126.0	-533.8	260.0	234.6	25.43	10.226	
3,990.0	3,968.4	3,964.8	3,905.4	12.9	13.7	21.76	131.5	-554.8	270.0	243.8	26.17	10.315	
4,000.0	3,978.3	3,974.7	3,915.1	12.9	13.8	21.78	132.1	-557.1	271.1	244.8	26.26	10.325	
4,085.0	4,062.4	4,059.2	3,997.0	13.3	14.1	21.93	137.4	-576.8	280.5	253.5	26.96	10.403	
4,100.0	4,077.3	4,074.1	4,011.5	13.3	14.2	21.95	138.3	-580.3	282.2	255.1	27.09	10.416	
4,180.0	4,156.5	4,153.6	4,088.6	13.6	14.6	22.08	143.3	-598.9	291.0	263.2	27.75	10.485	
4,200.0	4,176.3	4,173.5	4,107.9	13.7	14.7	22.11	144.5	-603.5	293.2	265.3	27.92	10.502	
4,275.0	4,250.6	4,248.0	4,180.2	14.0	15.0	22.21	149.1	-621.0	301.5	273.0	28.55	10.561	
4,300.0	4,275.3	4,272.9	4,204.3	14.1	15.1	22.25	150.7	-626.8	304.3	275.5	28.76	10.581	
4,370.0	4,344.7	4,342.4	4,271.8	14.4	15.4	22.34	155.0	-643.0	312.0	282.7	29.35	10.633	
4,400.0	4,374.4	4,372.2	4,300.8	14.5	15.6	22.38	156.9	-650.0	315.3	285.7	29.60	10.654	
4,465.0	4,438.7	4,436.8	4,363.5	14.8	15.9	22.47	160.9	-665.1	322.5	292.4	30.15	10.699	
4,500.0	4,473.4	4,471.6	4,397.2	15.0	16.0	22.51	163.1	-673.2	326.4	296.0	30.44	10.723	
4,560.0	4,532.8	4,531.3	4,455.1	15.2	16.3	22.58	166.8	-687.2	333.1	302.1	30.95	10.762	
4,600.0	4,572.4	4,571.0	4,493.6	15.4	16.5	22.63	169.3	-696.5	337.5	306.2	31.29	10.787	
4,655.0	4,626.9	4,625.7	4,546.7	15.6	16.8	22.69	172.7	-709.3	343.6	311.8	31.75	10.821	
4,700.0	4,671.5	4,670.4	4,590.1	15.8	17.0	22.74	175.4	-719.7	348.6	316.4	32.13	10.847	
4,750.0	4,721.0	4,720.1	4,638.3	16.0	17.2	22.79	178.5	-731.3	354.1	321.5	32.55	10.877	
4,790.0	4,760.6	4,759.9	4,676.9	16.1	17.4	22.83	181.0	-740.6	358.5	325.6	32.89	10.900	
4,800.0	4,770.5	4,769.8	4,686.5	16.2	17.4	22.84	181.6	-742.9	359.6	326.7	32.97	10.907	
4,845.0	4,815.1	4,814.5	4,729.9	16.4	17.6	22.89	184.4	-753.4	364.9	331.5	33.35	10.939	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,869.6	4,869.1	4,782.8	16.6	17.9	22.92	187.8	-766.2	371.7	337.8	33.82	10.989	
4,940.0	4,909.4	4,908.7	4,821.3	16.8	18.1	22.93	190.3	-775.4	376.9	342.8	34.16	11.033	
5,000.0	4,969.0	4,968.1	4,878.9	17.0	18.4	22.91	194.0	-789.3	385.3	350.6	34.67	11.112	
5,035.0	5,003.8	5,002.7	4,912.5	17.1	18.5	22.88	196.1	-797.4	390.4	355.5	34.97	11.165	
5,100.0	5,068.6	5,066.9	4,974.8	17.4	18.8	22.80	200.1	-812.4	400.5	365.0	35.52	11.275	
5,130.0	5,098.5	5,096.5	5,003.6	17.5	19.0	22.75	202.0	-819.3	405.4	369.6	35.77	11.332	
5,200.0	5,168.3	5,165.5	5,070.5	17.7	19.3	22.62	206.3	-835.5	417.3	381.0	36.36	11.476	
5,225.0	5,193.2	5,190.1	5,094.3	17.8	19.4	22.57	207.8	-841.2	421.8	385.2	36.57	11.533	
5,300.0	5,268.1	5,263.8	5,165.8	18.1	19.8	22.38	212.4	-858.4	435.7	398.5	37.20	11.714	
5,320.0	5,288.1	5,283.4	5,184.8	18.2	19.9	22.32	213.6	-863.0	439.6	402.2	37.36	11.767	
5,400.0	5,368.0	5,361.7	5,260.8	18.4	20.2	22.08	218.5	-881.3	455.7	417.7	38.01	11.989	
5,415.0	5,383.0	5,376.4	5,275.1	18.5	20.3	22.03	219.4	-884.8	458.9	420.7	38.13	12.034	
5,500.0	5,468.0	5,459.3	5,355.5	18.7	20.7	21.74	224.5	-904.1	477.3	438.5	38.80	12.303	
5,510.0	5,478.0	5,469.0	5,365.0	18.7	20.7	21.71	225.1	-906.4	479.6	440.7	38.87	12.339	
5,590.0	5,558.0	5,546.8	5,440.4	18.8	21.1	-65.30	230.0	-924.6	498.2	458.8	39.40	12.644	
5,600.0	5,568.0	5,556.5	5,449.8	18.8	21.2	-65.35	230.6	-926.9	500.6	461.1	39.45	12.688	
5,605.0	5,573.0	5,561.3	5,454.5	18.8	21.2	-65.37	230.9	-928.0	501.7	462.3	39.48	12.709	
5,700.0	5,668.0	5,653.5	5,544.0	18.9	21.6	-65.80	236.6	-949.5	524.4	484.4	40.02	13.105	
5,795.0	5,763.0	5,745.7	5,633.4	18.9	22.1	-66.19	242.4	-971.1	547.1	506.6	40.55	13.493	
5,800.0	5,768.0	5,750.5	5,638.1	18.9	22.1	-66.21	242.7	-972.2	548.3	507.8	40.58	13.513	
5,890.0	5,858.0	5,837.9	5,722.9	18.9	22.5	-66.54	248.1	-992.6	569.9	528.8	41.08	13.872	
5,900.0	5,868.0	5,847.6	5,732.3	19.0	22.5	-66.58	248.7	-994.9	572.3	531.1	41.14	13.911	
5,985.0	5,953.0	5,930.0	5,812.3	19.0	22.9	-66.87	253.8	-1,014.2	592.6	551.0	41.61	14.243	
6,000.0	5,968.0	5,944.6	5,826.4	19.0	23.0	-66.92	254.7	-1,017.6	596.2	554.5	41.69	14.301	
6,080.0	6,048.0	6,022.2	5,901.7	19.0	23.4	-67.18	259.6	-1,035.7	615.4	573.3	42.13	14.605	
6,100.0	6,068.0	6,041.6	5,920.6	19.0	23.5	-67.24	260.8	-1,040.3	620.2	577.9	42.24	14.681	
6,175.0	6,143.0	6,114.4	5,991.2	19.1	23.8	-67.46	265.3	-1,057.3	638.2	595.5	42.66	14.960	
6,200.0	6,168.0	6,138.7	6,014.7	19.1	23.9	-67.53	266.8	-1,063.0	644.2	601.4	42.80	15.052	
6,270.0	6,238.0	6,206.6	6,080.6	19.1	24.3	-67.73	271.1	-1,078.8	661.0	617.8	43.18	15.307	
6,300.0	6,268.0	6,235.7	6,108.9	19.1	24.4	-67.81	272.9	-1,085.6	668.2	624.8	43.34	15.415	
6,365.0	6,333.0	6,298.8	6,170.1	19.1	24.7	-67.97	276.8	-1,100.4	683.8	640.1	43.70	15.647	
6,400.0	6,368.0	6,332.7	6,203.0	19.2	24.9	-68.06	278.9	-1,108.3	692.2	648.3	43.89	15.770	
6,460.0	6,428.0	6,390.9	6,259.5	19.2	25.2	-68.20	282.5	-1,121.9	706.6	662.4	44.22	15.979	
6,500.0	6,468.0	6,429.7	6,297.2	19.2	25.3	-68.30	284.9	-1,131.0	716.2	671.8	44.44	16.117	
6,555.0	6,523.0	6,483.1	6,348.9	19.2	25.6	-68.42	288.3	-1,143.5	729.4	684.7	44.74	16.304	
6,600.0	6,568.0	6,526.8	6,391.3	19.2	25.8	-68.52	291.0	-1,153.7	740.3	695.3	44.98	16.456	
6,650.0	6,618.0	6,575.3	6,438.4	19.3	26.0	-68.62	294.0	-1,165.0	752.3	707.0	45.26	16.622	
6,700.0	6,668.0	6,623.8	6,485.4	19.3	26.3	-68.73	297.0	-1,176.4	764.3	718.8	45.53	16.787	
6,745.0	6,713.0	6,667.5	6,527.8	19.3	26.5	-68.82	299.7	-1,186.6	775.1	729.4	45.77	16.934	
6,800.0	6,768.0	6,720.8	6,579.6	19.3	26.7	-68.92	303.1	-1,199.1	788.4	742.3	46.07	17.111	
6,840.0	6,808.0	6,759.6	6,617.3	19.3	26.9	-69.00	305.5	-1,208.1	798.0	751.7	46.29	17.239	
6,900.0	6,868.0	6,817.9	6,673.7	19.4	27.2	-69.10	309.1	-1,221.7	812.4	765.8	46.62	17.428	
6,935.0	6,903.0	6,851.8	6,706.7	19.4	27.4	-69.17	311.2	-1,229.7	820.8	774.0	46.81	17.537	
7,000.0	6,968.0	6,914.9	6,767.9	19.4	27.7	-69.28	315.1	-1,244.4	836.5	789.3	47.16	17.737	
7,030.0	6,998.0	6,944.0	6,796.1	19.4	27.8	-69.33	317.0	-1,251.2	843.7	796.4	47.32	17.829	
7,100.0	7,068.0	7,011.9	6,862.0	19.5	28.2	-69.44	321.2	-1,267.1	860.6	812.9	47.70	18.040	
7,125.0	7,093.0	7,036.2	6,885.6	19.5	28.3	-69.48	322.7	-1,272.8	866.6	818.8	47.84	18.115	
7,200.0	7,168.0	7,108.9	6,956.2	19.5	28.6	-69.59	327.2	-1,289.8	884.7	836.4	48.25	18.336	
7,220.0	7,188.0	7,128.4	6,975.0	19.5	28.7	-69.62	328.4	-1,294.3	889.5	841.1	48.35	18.395	
7,300.0	7,268.0	7,206.0	7,050.3	19.5	29.1	-69.74	333.3	-1,312.5	908.7	860.0	48.79	18.626	
7,315.0	7,283.0	7,220.5	7,064.5	19.6	29.2	-69.76	334.2	-1,315.9	912.4	863.5	48.87	18.669	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,368.0	7,303.0	7,144.5	19.6	29.6	-69.88	339.3	-1,335.2	932.8	883.5	49.33	18.910	
7,410.0	7,378.0	7,312.7	7,153.9	19.6	29.6	-69.89	339.9	-1,337.4	935.3	885.9	49.39	18.938	
7,500.0	7,468.0	7,400.0	7,238.6	19.6	30.0	-70.01	345.3	-1,357.8	956.9	907.1	49.87	19.187	
7,505.0	7,473.0	7,404.9	7,243.3	19.6	30.1	-70.02	345.6	-1,359.0	958.2	908.2	49.90	19.201	
7,600.0	7,568.0	7,497.1	7,332.8	19.7	30.5	-70.14	351.4	-1,380.5	981.1	930.6	50.42	19.458	
7,695.0	7,663.0	7,632.5	7,464.8	19.7	31.2	-70.29	359.1	-1,409.7	1,002.2	951.0	51.17	19.585	
7,700.0	7,668.0	7,640.0	7,472.1	19.7	31.2	-70.30	359.5	-1,411.1	1,003.2	952.0	51.21	19.590	
7,790.0	7,758.0	7,776.7	7,606.8	19.8	31.8	-70.41	365.6	-1,434.1	1,018.8	966.9	51.85	19.650	
7,800.0	7,768.0	7,792.1	7,621.9	19.8	31.9	-70.42	366.2	-1,436.2	1,020.3	968.4	51.91	19.654	
7,885.0	7,853.0	7,923.2	7,752.1	19.8	32.5	-70.49	370.3	-1,451.7	1,030.6	978.2	52.37	19.679	
7,900.0	7,868.0	7,946.5	7,775.3	19.8	32.6	-70.50	370.9	-1,453.9	1,032.0	979.6	52.44	19.681	
7,980.0	7,948.0	8,071.2	7,899.7	19.8	33.0	-70.54	373.1	-1,462.3	1,037.6	984.9	52.72	19.682	
8,000.0	7,968.0	8,102.5	7,931.0	19.9	33.1	-70.55	373.5	-1,463.6	1,038.4	985.7	52.76	19.681	
8,075.0	8,043.0	8,220.0	8,048.4	19.9	33.4	-70.55	374.0	-1,465.4	1,039.7	987.0	52.71	19.725	
8,082.1	8,050.0	8,231.0	8,059.5	19.9	33.4	-70.55	374.0	-1,465.4	1,039.6	986.9	52.70	19.728	
8,100.0	8,068.0	8,240.9	8,069.3	19.9	33.3	-70.55	374.0	-1,465.4	1,039.7	987.0	52.74	19.714	
8,170.0	8,138.0	8,310.9	8,139.3	19.9	33.4	-70.55	374.0	-1,465.4	1,039.7	986.9	52.79	19.696	
8,200.0	8,168.0	8,340.9	8,169.3	20.0	33.4	-70.55	374.0	-1,465.4	1,039.7	986.9	52.81	19.688	
8,265.0	8,233.0	8,405.9	8,234.3	20.0	33.4	-70.55	374.0	-1,465.4	1,039.7	986.8	52.86	19.670	
8,300.0	8,268.0	8,440.9	8,269.3	20.0	33.4	-70.55	374.0	-1,465.4	1,039.7	986.8	52.88	19.660	
8,360.0	8,328.0	8,500.9	8,329.3	20.0	33.4	-70.55	374.0	-1,465.4	1,039.7	986.8	52.93	19.644	
8,400.0	8,368.0	8,540.9	8,369.3	20.0	33.4	-70.55	374.0	-1,465.4	1,039.7	986.7	52.96	19.633	
8,455.0	8,423.0	8,595.9	8,424.3	20.1	33.4	-70.55	374.0	-1,465.4	1,039.7	986.7	53.00	19.618	
8,500.0	8,468.0	8,640.9	8,469.3	20.1	33.4	-70.55	374.0	-1,465.4	1,039.7	986.7	53.03	19.606	
8,550.0	8,518.0	8,690.9	8,519.3	20.1	33.5	-70.55	374.0	-1,465.4	1,039.7	986.6	53.07	19.592	
8,600.0	8,568.0	8,740.9	8,569.3	20.1	33.5	-70.55	374.0	-1,465.4	1,039.7	986.6	53.11	19.578	
8,645.0	8,613.0	8,785.9	8,614.3	20.2	33.5	-70.55	374.0	-1,465.4	1,039.7	986.6	53.14	19.566	
8,700.0	8,668.0	8,840.9	8,669.3	20.2	33.5	-70.55	374.0	-1,465.4	1,039.7	986.5	53.18	19.550	
8,740.0	8,708.0	8,880.9	8,709.3	20.2	33.5	-70.55	374.0	-1,465.4	1,039.7	986.5	53.21	19.539	
8,800.0	8,768.0	8,940.9	8,769.3	20.2	33.5	-70.55	374.0	-1,465.4	1,039.7	986.4	53.26	19.523	
8,835.0	8,803.0	8,975.9	8,804.3	20.2	33.5	-70.55	374.0	-1,465.4	1,039.7	986.4	53.28	19.513	
8,900.0	8,868.0	9,040.9	8,869.3	20.3	33.5	-70.55	374.0	-1,465.4	1,039.7	986.4	53.33	19.495	
8,930.0	8,898.0	9,070.9	8,899.3	20.3	33.6	-70.55	374.0	-1,465.4	1,039.7	986.3	53.35	19.487	
9,000.0	8,968.0	9,140.9	8,969.3	20.3	33.6	-70.55	374.0	-1,465.4	1,039.7	986.3	53.41	19.467	
9,025.0	8,993.0	9,165.9	8,994.3	20.3	33.6	-70.55	374.0	-1,465.4	1,039.7	986.3	53.43	19.460	
9,100.0	9,068.0	9,240.9	9,069.3	20.4	33.6	-70.55	374.0	-1,465.4	1,039.7	986.2	53.48	19.440	
9,120.0	9,088.0	9,260.9	9,089.3	20.4	33.6	-70.55	374.0	-1,465.4	1,039.7	986.2	53.50	19.434	
9,200.0	9,168.0	9,340.9	9,169.3	20.4	33.6	-70.55	374.0	-1,465.4	1,039.7	986.1	53.56	19.412	
9,215.0	9,183.0	9,355.9	9,184.3	20.4	33.6	-70.55	374.0	-1,465.4	1,039.7	986.1	53.57	19.408	
9,300.0	9,268.0	9,440.9	9,269.3	20.5	33.7	-70.55	374.0	-1,465.4	1,039.7	986.1	53.64	19.384	
9,310.0	9,278.0	9,450.9	9,279.3	20.5	33.7	-70.55	374.0	-1,465.4	1,039.7	986.1	53.65	19.381	
9,400.0	9,368.0	9,540.9	9,369.3	20.5	33.7	-70.55	374.0	-1,465.4	1,039.7	986.0	53.72	19.356	
9,405.0	9,373.0	9,545.9	9,374.3	20.5	33.7	-70.55	374.0	-1,465.4	1,039.7	986.0	53.72	19.354	
9,500.0	9,468.0	9,640.9	9,469.3	20.6	33.7	-70.55	374.0	-1,465.4	1,039.7	985.9	53.79	19.328	
9,595.0	9,563.0	9,735.9	9,564.3	20.6	33.7	-70.55	374.0	-1,465.4	1,039.7	985.8	53.87	19.301	
9,600.0	9,568.0	9,740.9	9,569.3	20.6	33.7	-70.55	374.0	-1,465.4	1,039.7	985.8	53.87	19.300	
9,690.0	9,658.0	9,830.9	9,659.3	20.7	33.8	-70.55	374.0	-1,465.4	1,039.7	985.8	53.94	19.274	
9,700.0	9,668.0	9,840.9	9,669.3	20.7	33.8	-70.55	374.0	-1,465.4	1,039.7	985.7	53.95	19.271	
9,785.0	9,753.0	9,925.9	9,754.3	20.7	33.8	-70.55	374.0	-1,465.4	1,039.7	985.7	54.01	19.249	
9,785.4	9,753.4	9,926.3	9,754.7	20.7	33.8	-70.55	374.0	-1,465.4	1,039.7	985.7	54.01	19.249	
9,800.0	9,768.0	9,938.5	9,766.9	20.7	33.8	-70.55	374.0	-1,465.5	1,039.7	985.7	54.04	19.240	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,812.1	9,780.0	9,946.0	9,774.4	20.7	33.8	-70.55	374.1	-1,465.5	1,039.8	985.7	54.07	19.228	
9,850.0	9,818.0	9,969.6	9,798.0	20.7	33.8	-70.42	375.1	-1,465.5	1,039.9	985.7	54.19	19.188	
9,880.0	9,847.8	9,988.2	9,816.6	20.7	33.8	-70.45	376.5	-1,465.5	1,039.7	985.4	54.29	19.152	
9,900.0	9,867.6	10,000.0	9,828.3	20.7	33.8	-70.49	377.7	-1,465.5	1,039.5	985.1	54.36	19.124	
9,950.0	9,916.6	10,031.8	9,859.8	20.7	33.8	-70.66	382.2	-1,465.5	1,038.6	984.1	54.51	19.054	
9,975.0	9,940.8	10,050.0	9,877.6	20.7	33.8	-70.80	385.6	-1,465.5	1,037.9	983.4	54.57	19.021	
10,000.0	9,964.6	10,063.0	9,890.3	20.7	33.8	-70.94	388.3	-1,465.5	1,037.1	982.5	54.66	18.974	
10,050.0	10,011.2	10,100.0	9,926.1	20.8	33.8	-71.36	397.7	-1,465.5	1,035.2	980.4	54.77	18.900	
10,070.0	10,029.4	10,100.0	9,926.1	20.8	33.8	-71.45	397.7	-1,465.5	1,034.3	979.4	54.90	18.838	
10,100.0	10,056.0	10,125.5	9,950.5	20.8	33.8	-71.81	405.5	-1,465.5	1,032.7	977.8	54.95	18.796	
10,150.0	10,098.7	10,150.0	9,973.4	20.8	33.8	-72.31	414.0	-1,465.5	1,029.9	974.8	55.11	18.688	
10,165.0	10,111.1	10,166.5	9,988.6	20.8	33.8	-72.58	420.3	-1,465.5	1,028.9	973.8	55.11	18.670	
10,200.0	10,139.0	10,188.6	10,008.8	20.8	33.8	-73.07	429.4	-1,465.6	1,026.6	971.4	55.19	18.601	
10,250.0	10,176.6	10,220.4	10,037.1	20.8	33.8	-73.84	443.8	-1,465.6	1,023.0	967.7	55.29	18.502	
10,260.0	10,183.7	10,226.8	10,042.7	20.8	33.8	-74.00	446.9	-1,465.6	1,022.2	966.9	55.31	18.482	
10,300.0	10,211.1	10,250.0	10,062.7	20.8	33.8	-74.66	458.6	-1,465.6	1,019.1	963.7	55.38	18.401	
10,350.0	10,242.4	10,284.6	10,091.6	20.9	33.8	-75.64	477.6	-1,465.7	1,014.9	959.5	55.44	18.308	
10,355.0	10,245.3	10,287.8	10,094.3	20.9	33.8	-75.73	479.4	-1,465.7	1,014.5	959.1	55.44	18.298	
10,400.0	10,270.1	10,317.1	10,117.7	20.9	33.9	-76.65	497.0	-1,465.7	1,010.7	955.2	55.48	18.216	
10,450.0	10,294.1	10,350.0	10,143.0	20.9	33.9	-77.75	518.1	-1,465.7	1,006.3	950.8	55.51	18.130	
10,500.0	10,314.2	10,383.2	10,167.1	21.0	33.9	-78.90	540.8	-1,465.8	1,002.0	946.5	55.51	18.052	
10,545.0	10,328.8	10,413.4	10,188.0	21.0	33.9	-79.98	562.7	-1,465.8	998.3	942.8	55.49	17.989	
10,550.0	10,330.2	10,416.8	10,190.3	21.0	33.9	-80.11	565.2	-1,465.8	997.9	942.4	55.49	17.982	
10,600.0	10,342.1	10,450.0	10,211.7	21.1	33.9	-81.34	590.6	-1,465.9	993.9	938.4	55.45	17.924	
10,640.0	10,348.5	10,478.7	10,229.0	21.1	33.9	-82.40	613.5	-1,465.9	990.9	935.5	55.40	17.886	
10,650.0	10,349.6	10,485.7	10,233.0	21.1	33.9	-82.66	619.2	-1,465.9	990.2	934.8	55.39	17.878	
10,700.0	10,352.9	10,521.1	10,252.4	21.2	33.9	-83.99	648.9	-1,466.0	987.0	931.6	55.31	17.845	
10,709.7	10,353.0	10,528.1	10,255.9	21.2	33.9	-84.25	654.8	-1,466.0	986.4	931.1	55.29	17.840	
10,735.0	10,353.1	10,550.0	10,266.8	21.3	33.9	-84.88	673.9	-1,466.0	985.0	929.8	55.25	17.827	
10,800.0	10,353.4	10,600.0	10,288.6	21.4	34.0	-86.14	718.8	-1,466.1	982.5	927.3	55.17	17.809	
10,830.0	10,353.5	10,622.1	10,297.1	21.5	34.0	-86.62	739.3	-1,466.2	981.7	926.5	55.14	17.804	
10,900.0	10,353.8	10,683.3	10,316.1	21.6	34.0	-87.72	797.4	-1,466.3	980.6	925.4	55.14	17.784	
10,925.0	10,353.9	10,706.1	10,321.6	21.7	34.0	-88.04	819.5	-1,466.3	980.3	925.2	55.16	17.771	
11,000.0	10,354.2	10,776.7	10,333.1	21.8	34.1	-88.69	889.1	-1,466.5	980.0	924.7	55.30	17.720	
11,020.0	10,354.3	10,795.9	10,334.7	21.9	34.1	-88.78	908.2	-1,466.5	980.0	924.6	55.36	17.701	
11,057.0	10,354.4	10,831.7	10,336.0	22.0	34.1	-88.85	944.0	-1,466.6	979.9	924.4	55.48	17.661	
11,100.0	10,354.6	10,874.6	10,336.2	22.1	34.2	-88.85	986.9	-1,466.6	979.9	924.3	55.65	17.608	
11,115.0	10,354.7	10,889.6	10,336.2	22.1	34.2	-88.85	1,001.9	-1,466.7	979.9	924.2	55.72	17.588	
11,200.0	10,355.0	10,974.6	10,336.6	22.4	34.3	-88.85	1,086.9	-1,466.8	979.9	923.8	56.09	17.472	
11,210.0	10,355.1	10,984.6	10,336.6	22.4	34.3	-88.85	1,096.9	-1,466.9	979.9	923.8	56.13	17.457	
11,300.0	10,355.4	11,074.6	10,337.0	22.7	34.4	-88.85	1,186.9	-1,467.0	979.9	923.4	56.56	17.326	
11,305.0	10,355.4	11,079.6	10,337.0	22.7	34.4	-88.85	1,191.9	-1,467.0	979.9	923.4	56.58	17.318	
11,400.0	10,355.8	11,174.6	10,337.4	23.0	34.6	-88.85	1,286.9	-1,467.2	979.9	922.9	57.07	17.171	
11,495.0	10,356.2	11,269.6	10,337.8	23.3	34.7	-88.85	1,381.9	-1,467.4	979.9	922.4	57.59	17.016	
11,500.0	10,356.2	11,274.6	10,337.8	23.3	34.7	-88.85	1,386.9	-1,467.4	979.9	922.3	57.62	17.008	
11,590.0	10,356.6	11,364.6	10,338.2	23.6	34.9	-88.85	1,476.9	-1,467.6	979.9	921.8	58.14	16.855	
11,600.0	10,356.7	11,374.6	10,338.2	23.7	34.9	-88.85	1,486.9	-1,467.6	979.9	921.7	58.20	16.838	
11,685.0	10,357.0	11,459.6	10,338.6	24.0	35.1	-88.85	1,571.9	-1,467.8	979.9	921.2	58.72	16.688	
11,700.0	10,357.1	11,474.6	10,338.7	24.1	35.1	-88.85	1,586.9	-1,467.8	979.9	921.1	58.81	16.662	
11,780.0	10,357.4	11,554.6	10,339.0	24.4	35.3	-88.85	1,666.9	-1,468.0	979.9	920.6	59.33	16.516	
11,800.0	10,357.5	11,574.6	10,339.1	24.5	35.3	-88.85	1,686.9	-1,468.0	979.9	920.5	59.46	16.480	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,875.0	10,357.8	11,649.6	10,339.4	24.8	35.5	-88.85	1,761.9	-1,468.2	979.9	920.0	59.97	16.340	
11,900.0	10,357.9	11,674.6	10,339.5	24.9	35.6	-88.85	1,786.9	-1,468.2	979.9	919.8	60.14	16.293	
11,970.0	10,358.2	11,744.6	10,339.8	25.2	35.7	-88.85	1,856.9	-1,468.3	979.9	919.3	60.64	16.160	
12,000.0	10,358.3	11,774.6	10,339.9	25.3	35.8	-88.85	1,886.9	-1,468.4	980.0	919.1	60.86	16.103	
12,065.0	10,358.6	11,839.6	10,340.2	25.6	36.0	-88.85	1,951.9	-1,468.5	980.0	918.6	61.34	15.977	
12,100.0	10,358.7	11,874.6	10,340.3	25.8	36.1	-88.85	1,986.9	-1,468.6	980.0	918.4	61.60	15.909	
12,160.0	10,359.0	11,934.6	10,340.6	26.0	36.2	-88.85	2,046.9	-1,468.7	980.0	917.9	62.06	15.791	
12,200.0	10,359.1	11,974.6	10,340.7	26.2	36.4	-88.85	2,086.9	-1,468.8	980.0	917.6	62.37	15.713	
12,255.0	10,359.3	12,029.6	10,341.0	26.5	36.5	-88.85	2,141.9	-1,468.9	980.0	917.2	62.80	15.603	
12,300.0	10,359.5	12,074.6	10,341.1	26.7	36.7	-88.85	2,186.9	-1,469.0	980.0	916.8	63.16	15.515	
12,350.0	10,359.7	12,124.6	10,341.4	26.9	36.8	-88.85	2,236.9	-1,469.1	980.0	916.4	63.57	15.415	
12,400.0	10,359.9	12,174.6	10,341.6	27.2	37.0	-88.85	2,286.9	-1,469.2	980.0	916.0	63.99	15.315	
12,445.0	10,360.1	12,219.6	10,341.8	27.4	37.1	-88.85	2,331.9	-1,469.3	980.0	915.6	64.37	15.225	
12,500.0	10,360.4	12,274.6	10,342.0	27.7	37.3	-88.85	2,386.9	-1,469.4	980.0	915.1	64.83	15.115	
12,540.0	10,360.5	12,314.6	10,342.1	27.9	37.4	-88.85	2,426.9	-1,469.5	980.0	914.8	65.18	15.034	
12,600.0	10,360.8	12,374.6	10,342.4	28.2	37.6	-88.85	2,486.9	-1,469.6	980.0	914.3	65.71	14.914	
12,635.0	10,360.9	12,409.6	10,342.5	28.4	37.7	-88.85	2,521.9	-1,469.6	980.0	913.9	66.02	14.844	
12,700.0	10,361.2	12,474.6	10,342.8	28.7	38.0	-88.85	2,586.9	-1,469.8	980.0	913.4	66.60	14.714	
12,730.0	10,361.3	12,504.6	10,342.9	28.9	38.1	-88.85	2,616.9	-1,469.8	980.0	913.1	66.87	14.654	
12,800.0	10,361.6	12,574.6	10,343.2	29.3	38.3	-88.85	2,686.9	-1,470.0	980.0	912.4	67.52	14.514	
12,825.0	10,361.7	12,599.6	10,343.3	29.4	38.4	-88.85	2,711.9	-1,470.0	980.0	912.2	67.75	14.464	
12,900.0	10,362.0	12,674.6	10,343.6	29.8	38.7	-88.85	2,786.9	-1,470.2	980.0	911.5	68.46	14.315	
12,920.0	10,362.1	12,694.6	10,343.7	29.9	38.8	-88.85	2,806.9	-1,470.2	980.0	911.3	68.65	14.275	
13,000.0	10,362.4	12,774.6	10,344.1	30.4	39.1	-88.85	2,886.9	-1,470.4	980.0	910.6	69.42	14.117	
13,015.0	10,362.5	12,789.6	10,344.1	30.5	39.2	-88.85	2,901.9	-1,470.4	980.0	910.4	69.56	14.088	
13,100.0	10,362.8	12,874.6	10,344.5	30.9	39.5	-88.85	2,986.9	-1,470.5	980.0	909.6	70.39	13.921	
13,110.0	10,362.9	12,884.6	10,344.5	31.0	39.5	-88.85	2,996.9	-1,470.6	980.0	909.5	70.49	13.902	
13,200.0	10,363.2	12,974.6	10,344.9	31.5	39.9	-88.85	3,086.9	-1,470.7	980.0	908.6	71.39	13.727	
13,205.0	10,363.3	12,979.6	10,344.9	31.5	39.9	-88.85	3,091.9	-1,470.8	980.0	908.5	71.44	13.717	
13,300.0	10,363.6	13,074.6	10,345.3	32.1	40.3	-88.85	3,186.9	-1,470.9	980.0	907.6	72.41	13.534	
13,395.0	10,364.0	13,169.6	10,345.7	32.6	40.7	-88.85	3,281.9	-1,471.1	980.0	906.6	73.39	13.353	
13,400.0	10,364.1	13,174.6	10,345.7	32.7	40.8	-88.85	3,286.9	-1,471.1	980.0	906.5	73.44	13.344	
13,490.0	10,364.4	13,264.6	10,346.1	33.2	41.2	-88.85	3,376.9	-1,471.3	980.0	905.6	74.38	13.175	
13,500.0	10,364.5	13,274.6	10,346.1	33.3	41.2	-88.85	3,386.9	-1,471.3	980.0	905.5	74.49	13.156	
13,585.0	10,364.8	13,359.6	10,346.5	33.8	41.6	-88.85	3,471.9	-1,471.5	980.0	904.6	75.39	12.998	
13,600.0	10,364.9	13,374.6	10,346.5	33.9	41.7	-88.85	3,486.9	-1,471.5	980.0	904.4	75.55	12.971	
13,680.0	10,365.2	13,454.6	10,346.9	34.4	42.0	-88.85	3,566.9	-1,471.7	980.0	903.6	76.42	12.824	
13,700.0	10,365.3	13,474.6	10,347.0	34.5	42.1	-88.85	3,586.9	-1,471.7	980.0	903.4	76.63	12.788	
13,775.0	10,365.6	13,549.6	10,347.3	34.9	42.5	-88.85	3,661.9	-1,471.9	980.0	902.5	77.45	12.653	
13,800.0	10,365.7	13,574.6	10,347.4	35.1	42.6	-88.85	3,686.9	-1,471.9	980.0	902.3	77.73	12.608	
13,870.0	10,366.0	13,644.6	10,347.7	35.5	42.9	-88.85	3,756.9	-1,472.1	980.0	901.5	78.50	12.484	
13,900.0	10,366.1	13,674.6	10,347.8	35.7	43.1	-88.85	3,786.9	-1,472.1	980.0	901.2	78.84	12.431	
13,965.0	10,366.4	13,739.6	10,348.1	36.1	43.4	-88.85	3,851.9	-1,472.2	980.0	900.4	79.56	12.317	
14,000.0	10,366.5	13,774.6	10,348.2	36.3	43.6	-88.85	3,886.9	-1,472.3	980.0	900.0	79.96	12.256	
14,060.0	10,366.8	13,834.6	10,348.4	36.7	43.9	-88.85	3,946.9	-1,472.4	980.0	899.4	80.64	12.153	
14,100.0	10,366.9	13,874.6	10,348.6	37.0	44.1	-88.85	3,986.9	-1,472.5	980.0	898.9	81.09	12.085	
14,155.0	10,367.2	13,929.6	10,348.8	37.3	44.4	-88.85	4,041.9	-1,472.6	980.0	898.3	81.72	11.992	
14,200.0	10,367.3	13,974.6	10,349.0	37.6	44.6	-88.85	4,086.9	-1,472.7	980.0	897.8	82.24	11.917	
14,250.0	10,367.5	14,024.6	10,349.2	37.9	44.8	-88.85	4,136.9	-1,472.8	980.0	897.2	82.82	11.833	
14,300.0	10,367.7	14,074.6	10,349.4	38.2	45.1	-88.85	4,186.9	-1,472.9	980.0	896.6	83.40	11.751	
14,345.0	10,367.9	14,119.6	10,349.6	38.5	45.3	-88.85	4,231.9	-1,473.0	980.0	896.1	83.92	11.677	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,400.0	10,368.2	14,174.6	10,349.9	38.9	45.6	-88.85	4,286.9	-1,473.1	980.0	895.4	84.57	11.588	
14,440.0	10,368.3	14,214.6	10,350.0	39.1	45.8	-88.85	4,326.9	-1,473.2	980.0	895.0	85.04	11.524	
14,500.0	10,368.6	14,274.6	10,350.3	39.5	46.2	-88.85	4,386.9	-1,473.3	980.0	894.3	85.75	11.429	
14,535.0	10,368.7	14,309.6	10,350.4	39.8	46.3	-88.85	4,421.9	-1,473.3	980.0	893.8	86.16	11.374	
14,600.0	10,369.0	14,374.6	10,350.7	40.2	46.7	-88.85	4,486.9	-1,473.5	980.0	893.1	86.94	11.272	
14,630.0	10,369.1	14,404.6	10,350.8	40.4	46.9	-88.85	4,516.9	-1,473.5	980.0	892.7	87.30	11.226	
14,700.0	10,369.4	14,474.6	10,351.1	40.8	47.2	-88.85	4,586.9	-1,473.7	980.0	891.9	88.14	11.119	
14,725.0	10,369.5	14,499.6	10,351.2	41.0	47.4	-88.85	4,611.9	-1,473.7	980.0	891.6	88.44	11.081	
14,800.0	10,369.8	14,574.6	10,351.5	41.5	47.8	-88.85	4,686.9	-1,473.9	980.0	890.7	89.35	10.968	
14,820.0	10,369.9	14,594.6	10,351.6	41.6	47.9	-88.85	4,706.9	-1,473.9	980.0	890.4	89.59	10.938	
14,900.0	10,370.2	14,674.6	10,351.9	42.2	48.3	-88.85	4,786.9	-1,474.1	980.0	889.4	90.57	10.820	
14,915.0	10,370.3	14,689.6	10,352.0	42.3	48.4	-88.85	4,801.9	-1,474.1	980.0	889.3	90.75	10.798	
15,000.0	10,370.6	14,774.6	10,352.3	42.8	48.9	-88.86	4,886.9	-1,474.3	980.0	888.2	91.80	10.675	
15,010.0	10,370.7	14,784.6	10,352.4	42.9	49.0	-88.86	4,896.9	-1,474.3	980.0	888.1	91.92	10.661	
15,100.0	10,371.0	14,874.6	10,352.8	43.5	49.5	-88.86	4,986.9	-1,474.4	980.0	887.0	93.04	10.533	
15,105.0	10,371.1	14,879.6	10,352.8	43.5	49.5	-88.86	4,991.9	-1,474.5	980.0	886.9	93.10	10.526	
15,200.0	10,371.4	14,974.6	10,353.2	44.2	50.0	-88.86	5,086.9	-1,474.6	980.0	885.7	94.28	10.394	
15,295.0	10,371.8	15,069.6	10,353.6	44.8	50.6	-88.86	5,181.9	-1,474.8	980.0	884.5	95.47	10.265	
15,300.0	10,371.9	15,074.6	10,353.6	44.8	50.6	-88.86	5,186.9	-1,474.8	980.0	884.5	95.54	10.258	
15,390.0	10,372.2	15,164.6	10,354.0	45.5	51.1	-88.86	5,276.9	-1,475.0	980.0	883.3	96.67	10.138	
15,400.0	10,372.3	15,174.6	10,354.0	45.5	51.2	-88.86	5,286.9	-1,475.0	980.0	883.2	96.80	10.124	
15,485.0	10,372.6	15,259.6	10,354.4	46.1	51.7	-88.86	5,371.9	-1,475.2	980.0	882.1	97.88	10.013	
15,500.0	10,372.7	15,274.6	10,354.4	46.2	51.8	-88.86	5,386.9	-1,475.2	980.0	882.0	98.07	9.993	
15,580.0	10,373.0	15,354.6	10,354.7	46.8	52.3	-88.86	5,466.9	-1,475.4	980.0	880.9	99.09	9.890	
15,600.0	10,373.1	15,374.6	10,354.8	46.9	52.4	-88.86	5,486.9	-1,475.4	980.0	880.7	99.34	9.865	
15,675.0	10,373.4	15,449.6	10,355.1	47.4	52.8	-88.86	5,561.9	-1,475.6	980.0	879.7	100.31	9.770	
15,700.0	10,373.5	15,474.6	10,355.2	47.6	53.0	-88.86	5,586.9	-1,475.6	980.0	879.4	100.63	9.739	
15,770.0	10,373.8	15,544.6	10,355.5	48.1	53.4	-88.86	5,656.9	-1,475.8	980.0	878.5	101.53	9.653	
15,800.0	10,373.9	15,574.6	10,355.7	48.3	53.6	-88.86	5,686.9	-1,475.8	980.0	878.1	101.92	9.616	
15,865.0	10,374.2	15,639.6	10,355.9	48.7	54.0	-88.86	5,751.9	-1,475.9	980.0	877.3	102.76	9.537	
15,900.0	10,374.3	15,674.6	10,356.1	49.0	54.2	-88.86	5,786.9	-1,476.0	980.0	876.8	103.21	9.495	
15,960.0	10,374.6	15,734.6	10,356.3	49.4	54.6	-88.86	5,846.9	-1,476.1	980.0	876.0	103.99	9.424	
16,000.0	10,374.7	15,774.6	10,356.5	49.7	54.8	-88.86	5,886.9	-1,476.2	980.0	875.5	104.51	9.377	
16,055.0	10,375.0	15,829.6	10,356.7	50.0	55.1	-88.86	5,941.9	-1,476.3	980.0	874.8	105.23	9.313	
16,100.0	10,375.1	15,874.6	10,356.9	50.3	55.4	-88.86	5,986.9	-1,476.4	980.0	874.2	105.82	9.261	
16,150.0	10,375.3	15,924.6	10,357.1	50.7	55.7	-88.86	6,036.9	-1,476.5	980.0	873.6	106.48	9.204	
16,200.0	10,375.6	15,974.6	10,357.3	51.0	56.0	-88.86	6,086.9	-1,476.6	980.0	872.9	107.13	9.148	
16,245.0	10,375.7	16,019.6	10,357.5	51.4	56.3	-88.86	6,131.9	-1,476.7	980.0	872.3	107.73	9.098	
16,300.0	10,376.0	16,074.6	10,357.7	51.7	56.7	-88.86	6,186.9	-1,476.8	980.0	871.6	108.45	9.037	
16,340.0	10,376.1	16,114.6	10,357.9	52.0	56.9	-88.86	6,226.9	-1,476.9	980.0	871.1	108.98	8.993	
16,400.0	10,376.4	16,174.6	10,358.1	52.4	57.3	-88.86	6,286.9	-1,477.0	980.0	870.3	109.77	8.928	
16,435.0	10,376.5	16,209.6	10,358.3	52.7	57.5	-88.86	6,321.9	-1,477.1	980.0	869.8	110.24	8.890	
16,500.0	10,376.8	16,274.6	10,358.6	53.1	57.9	-88.86	6,386.9	-1,477.2	980.0	868.9	111.10	8.821	
16,530.0	10,376.9	16,304.6	10,358.7	53.4	58.1	-88.86	6,416.9	-1,477.2	980.0	868.5	111.50	8.789	
16,600.0	10,377.2	16,374.6	10,359.0	53.8	58.5	-88.86	6,486.9	-1,477.4	980.0	867.6	112.44	8.716	
16,625.0	10,377.3	16,399.6	10,359.1	54.0	58.7	-88.86	6,511.9	-1,477.4	980.0	867.3	112.77	8.691	
16,700.0	10,377.6	16,474.6	10,359.4	54.6	59.2	-88.86	6,586.9	-1,477.6	980.0	866.3	113.78	8.614	
16,720.0	10,377.7	16,494.6	10,359.5	54.7	59.3	-88.86	6,606.9	-1,477.6	980.0	866.0	114.04	8.594	
16,800.0	10,378.0	16,574.6	10,359.8	55.3	59.8	-88.86	6,686.9	-1,477.8	980.0	864.9	115.12	8.513	
16,815.0	10,378.1	16,589.6	10,359.9	55.4	59.9	-88.86	6,701.9	-1,477.8	980.0	864.7	115.32	8.498	
16,900.0	10,378.4	16,674.6	10,360.2	56.0	60.5	-88.86	6,786.9	-1,478.0	980.1	863.6	116.47	8.415	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,910.0	10,378.5	16,684.6	10,360.3	56.0	60.5	-88.86	6,796.9	-1,478.0	980.1	863.4	116.60	8.405	
17,000.0	10,378.8	16,774.6	10,360.6	56.7	61.1	-88.86	6,886.9	-1,478.2	980.1	862.2	117.82	8.318	
17,005.0	10,378.9	16,779.6	10,360.7	56.7	61.1	-88.86	6,891.9	-1,478.2	980.1	862.2	117.89	8.314	
17,100.0	10,379.3	16,874.6	10,361.0	57.4	61.7	-88.86	6,986.9	-1,478.4	980.1	860.9	119.17	8.224	
17,195.0	10,379.6	16,969.6	10,361.4	58.1	62.4	-88.86	7,081.9	-1,478.5	980.1	859.6	120.47	8.136	
17,200.0	10,379.7	16,974.6	10,361.5	58.1	62.4	-88.86	7,086.9	-1,478.5	980.1	859.5	120.53	8.131	
17,290.0	10,380.0	17,064.6	10,361.8	58.7	63.0	-88.86	7,176.8	-1,478.7	980.1	858.3	121.76	8.049	
17,300.0	10,380.1	17,074.6	10,361.9	58.8	63.0	-88.86	7,186.8	-1,478.7	980.1	858.2	121.90	8.040	
17,385.0	10,380.4	17,159.6	10,362.2	59.4	63.6	-88.86	7,271.8	-1,478.9	980.1	857.0	123.06	7.964	
17,400.0	10,380.5	17,174.6	10,362.3	59.5	63.7	-88.86	7,286.8	-1,478.9	980.1	856.8	123.27	7.951	
17,480.0	10,380.8	17,254.6	10,362.6	60.1	64.2	-88.86	7,366.8	-1,479.1	980.1	855.7	124.36	7.881	
17,500.0	10,380.9	17,274.6	10,362.7	60.2	64.4	-88.86	7,386.8	-1,479.1	980.1	855.4	124.64	7.863	
17,575.0	10,381.2	17,349.6	10,363.0	60.8	64.8	-88.86	7,461.8	-1,479.3	980.1	854.4	125.67	7.799	
17,600.0	10,381.3	17,374.6	10,363.1	61.0	65.0	-88.86	7,486.8	-1,479.3	980.1	854.1	126.01	7.778	
17,670.0	10,381.6	17,444.6	10,363.4	61.5	65.5	-88.86	7,556.8	-1,479.5	980.1	853.1	126.98	7.718	
17,700.0	10,381.7	17,474.6	10,363.5	61.7	65.7	-88.86	7,586.8	-1,479.5	980.1	852.7	127.39	7.693	
17,765.0	10,382.0	17,539.6	10,363.8	62.2	66.1	-88.86	7,651.8	-1,479.6	980.1	851.8	128.29	7.640	
17,800.0	10,382.1	17,574.6	10,363.9	62.4	66.3	-88.86	7,686.8	-1,479.7	980.1	851.3	128.77	7.611	
17,860.0	10,382.4	17,634.6	10,364.2	62.8	66.7	-88.86	7,746.8	-1,479.8	980.1	850.5	129.60	7.562	
17,900.0	10,382.5	17,674.6	10,364.4	63.1	67.0	-88.86	7,786.8	-1,479.9	980.1	849.9	130.16	7.530	
17,955.0	10,382.8	17,729.6	10,364.6	63.5	67.4	-88.86	7,841.8	-1,480.0	980.1	849.2	130.92	7.486	
18,000.0	10,382.9	17,774.6	10,364.8	63.8	67.7	-88.86	7,886.8	-1,480.1	980.1	848.5	131.54	7.451	
18,050.0	10,383.2	17,824.6	10,365.0	64.2	68.0	-88.86	7,936.8	-1,480.2	980.1	847.8	132.24	7.411	
18,100.0	10,383.4	17,874.6	10,365.2	64.6	68.3	-88.86	7,986.8	-1,480.3	980.1	847.1	132.93	7.373	
18,145.0	10,383.5	17,919.6	10,365.4	64.9	68.6	-88.86	8,031.8	-1,480.4	980.1	846.5	133.56	7.338	
18,200.0	10,383.8	17,974.6	10,365.6	65.3	69.0	-88.86	8,086.8	-1,480.5	980.1	845.7	134.33	7.296	
18,240.0	10,383.9	18,014.6	10,365.8	65.6	69.3	-88.86	8,126.8	-1,480.6	980.1	845.2	134.89	7.266	
18,300.0	10,384.2	18,074.6	10,366.0	66.0	69.7	-88.86	8,186.8	-1,480.7	980.1	844.4	135.72	7.221	
18,335.0	10,384.3	18,109.6	10,366.2	66.3	69.9	-88.86	8,221.8	-1,480.8	980.1	843.9	136.21	7.195	
18,400.0	10,384.6	18,174.6	10,366.4	66.7	70.4	-88.86	8,286.8	-1,480.9	980.1	843.0	137.12	7.147	
18,430.0	10,384.7	18,204.6	10,366.6	67.0	70.6	-88.86	8,316.8	-1,480.9	980.1	842.5	137.54	7.126	
18,500.0	10,385.0	18,274.6	10,366.9	67.5	71.0	-88.86	8,386.8	-1,481.1	980.1	841.6	138.52	7.075	
18,525.0	10,385.1	18,299.6	10,367.0	67.6	71.2	-88.86	8,411.8	-1,481.1	980.1	841.2	138.88	7.057	
18,600.0	10,385.4	18,374.6	10,367.3	68.2	71.7	-88.86	8,486.8	-1,481.3	980.1	840.2	139.93	7.004	
18,620.0	10,385.5	18,394.6	10,367.3	68.3	71.9	-88.86	8,506.8	-1,481.3	980.1	839.9	140.21	6.990	
18,700.0	10,385.8	18,474.6	10,367.7	68.9	72.4	-88.86	8,586.8	-1,481.5	980.1	838.8	141.34	6.934	
18,715.0	10,385.9	18,489.6	10,367.7	69.0	72.5	-88.86	8,601.8	-1,481.5	980.1	838.5	141.55	6.924	
18,800.0	10,386.2	18,574.6	10,368.1	69.6	73.1	-88.86	8,686.8	-1,481.7	980.1	837.3	142.75	6.866	
18,810.0	10,386.3	18,584.6	10,368.1	69.7	73.1	-88.86	8,696.8	-1,481.7	980.1	837.2	142.89	6.859	
18,900.0	10,386.6	18,674.6	10,368.5	70.4	73.8	-88.86	8,786.8	-1,481.9	980.1	835.9	144.16	6.799	
18,905.0	10,386.7	18,679.6	10,368.5	70.4	73.8	-88.86	8,791.8	-1,481.9	980.1	835.9	144.23	6.795	
19,000.0	10,387.1	18,774.6	10,368.9	71.1	74.5	-88.86	8,886.8	-1,482.1	980.1	834.5	145.57	6.733	
19,095.0	10,387.4	18,869.6	10,369.3	71.8	75.1	-88.86	8,981.8	-1,482.2	980.1	833.2	146.92	6.671	
19,100.0	10,387.5	18,874.6	10,369.3	71.8	75.1	-88.86	8,986.8	-1,482.3	980.1	833.1	146.99	6.668	
19,190.0	10,387.8	18,964.6	10,369.7	72.5	75.8	-88.86	9,076.8	-1,482.4	980.1	831.8	148.26	6.611	
19,200.0	10,387.9	18,974.6	10,369.8	72.6	75.8	-88.86	9,086.8	-1,482.4	980.1	831.7	148.41	6.604	
19,285.0	10,388.2	19,059.6	10,370.1	73.2	76.4	-88.86	9,171.8	-1,482.6	980.1	830.5	149.61	6.551	
19,300.0	10,388.3	19,074.6	10,370.2	73.3	76.5	-88.86	9,186.8	-1,482.6	980.1	830.3	149.83	6.542	
19,380.0	10,388.6	19,154.6	10,370.5	73.9	77.1	-88.86	9,266.8	-1,482.8	980.1	829.1	150.96	6.492	
19,400.0	10,388.7	19,174.6	10,370.6	74.0	77.2	-88.86	9,286.8	-1,482.8	980.1	828.9	151.25	6.480	
19,475.0	10,389.0	19,249.6	10,370.9	74.6	77.7	-88.86	9,361.8	-1,483.0	980.1	827.8	152.32	6.435	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,389.1	19,274.6	10,371.0	74.8	77.9	-88.87	9,386.8	-1,483.0	980.1	827.4	152.67	6.420	
19,570.0	10,389.4	19,344.6	10,371.3	75.3	78.4	-88.87	9,456.8	-1,483.2	980.1	826.4	153.67	6.378	
19,600.0	10,389.5	19,374.6	10,371.4	75.5	78.6	-88.87	9,486.8	-1,483.2	980.1	826.0	154.10	6.360	
19,665.0	10,389.8	19,439.6	10,371.7	76.0	79.0	-88.87	9,551.8	-1,483.4	980.1	825.1	155.03	6.322	
19,700.0	10,389.9	19,474.6	10,371.8	76.2	79.3	-88.87	9,586.8	-1,483.4	980.1	824.6	155.53	6.302	
19,760.0	10,390.2	19,534.6	10,372.1	76.7	79.7	-88.87	9,646.8	-1,483.5	980.1	823.7	156.39	6.267	
19,800.0	10,390.3	19,574.6	10,372.2	77.0	80.0	-88.87	9,686.8	-1,483.6	980.1	823.2	156.96	6.244	
19,855.0	10,390.6	19,629.6	10,372.5	77.4	80.4	-88.87	9,741.8	-1,483.7	980.1	822.4	157.74	6.213	
19,900.0	10,390.8	19,674.6	10,372.7	77.7	80.7	-88.87	9,786.8	-1,483.8	980.1	821.7	158.39	6.188	
19,950.0	10,391.0	19,724.6	10,372.9	78.1	81.0	-88.87	9,836.8	-1,483.9	980.1	821.0	159.11	6.160	
20,000.0	10,391.2	19,774.6	10,373.1	78.4	81.4	-88.87	9,886.8	-1,484.0	980.1	820.3	159.82	6.133	
20,045.0	10,391.3	19,819.6	10,373.3	78.8	81.7	-88.87	9,931.8	-1,484.1	980.1	819.6	160.47	6.108	
20,100.0	10,391.6	19,874.6	10,373.5	79.2	82.1	-88.87	9,986.8	-1,484.2	980.1	818.9	161.26	6.078	
20,140.0	10,391.7	19,914.6	10,373.6	79.5	82.4	-88.87	10,026.8	-1,484.3	980.1	818.3	161.83	6.056	
20,200.0	10,392.0	19,974.6	10,373.9	79.9	82.8	-88.87	10,086.8	-1,484.4	980.1	817.4	162.69	6.024	
20,235.0	10,392.1	20,009.6	10,374.0	80.2	83.0	-88.87	10,121.8	-1,484.5	980.1	816.9	163.20	6.006	
20,300.0	10,392.4	20,074.6	10,374.3	80.7	83.5	-88.87	10,186.8	-1,484.6	980.1	816.0	164.13	5.971	
20,330.0	10,392.5	20,104.6	10,374.4	80.9	83.7	-88.87	10,216.8	-1,484.7	980.1	815.6	164.57	5.956	
20,400.0	10,392.8	20,174.6	10,374.7	81.4	84.2	-88.87	10,286.8	-1,484.8	980.1	814.5	165.57	5.920	
20,425.0	10,392.9	20,199.6	10,374.8	81.6	84.4	-88.87	10,311.8	-1,484.8	980.1	814.2	165.93	5.907	
20,500.0	10,393.2	20,274.6	10,375.1	82.1	84.9	-88.87	10,386.8	-1,485.0	980.1	813.1	167.01	5.868	
20,520.0	10,393.3	20,294.6	10,375.2	82.3	85.0	-88.87	10,406.8	-1,485.0	980.1	812.8	167.30	5.858	
20,600.0	10,393.6	20,374.6	10,375.6	82.9	85.6	-88.87	10,486.8	-1,485.2	980.1	811.7	168.46	5.818	
20,615.0	10,393.7	20,389.6	10,375.6	83.0	85.7	-88.87	10,501.8	-1,485.2	980.1	811.5	168.67	5.811	
20,700.0	10,394.0	20,474.6	10,376.0	83.6	86.3	-88.87	10,586.8	-1,485.4	980.1	810.2	169.90	5.769	
20,710.0	10,394.1	20,484.6	10,376.0	83.7	86.4	-88.87	10,596.8	-1,485.4	980.1	810.1	170.05	5.764	
20,800.0	10,394.5	20,574.6	10,376.4	84.3	87.0	-88.87	10,686.8	-1,485.6	980.1	808.8	171.35	5.720	
20,805.0	10,394.5	20,579.6	10,376.4	84.4	87.0	-88.87	10,691.8	-1,485.6	980.1	808.7	171.42	5.718	
20,900.0	10,394.9	20,674.6	10,376.8	85.1	87.7	-88.87	10,786.8	-1,485.8	980.1	807.3	172.80	5.672	
20,995.0	10,395.3	20,769.6	10,377.2	85.8	88.4	-88.87	10,881.8	-1,486.0	980.1	806.0	174.17	5.627	
21,000.0	10,395.3	20,774.6	10,377.2	85.8	88.4	-88.87	10,886.8	-1,486.0	980.1	805.9	174.24	5.625	
21,090.0	10,395.6	20,864.6	10,377.6	86.5	89.1	-88.87	10,976.8	-1,486.1	980.1	804.6	175.55	5.583	
21,100.0	10,395.7	20,874.6	10,377.6	86.6	89.1	-88.87	10,986.8	-1,486.2	980.1	804.4	175.69	5.579	
21,185.0	10,396.0	20,959.6	10,378.0	87.2	89.7	-88.87	11,071.8	-1,486.3	980.1	803.2	176.93	5.540	
21,200.0	10,396.1	20,974.6	10,378.0	87.3	89.8	-88.87	11,086.8	-1,486.4	980.1	803.0	177.15	5.533	
21,280.0	10,396.4	21,054.6	10,378.4	87.9	90.4	-88.87	11,166.8	-1,486.5	980.1	801.8	178.31	5.497	
21,300.0	10,396.5	21,074.6	10,378.5	88.1	90.6	-88.87	11,186.8	-1,486.5	980.1	801.5	178.60	5.488	
21,375.0	10,396.8	21,149.6	10,378.8	88.6	91.1	-88.87	11,261.8	-1,486.7	980.1	800.5	179.69	5.455	
21,400.0	10,396.9	21,174.6	10,378.9	88.8	91.3	-88.87	11,286.8	-1,486.7	980.1	800.1	180.05	5.444	
21,470.0	10,397.2	21,244.6	10,379.2	89.3	91.8	-88.87	11,356.8	-1,486.9	980.1	799.1	181.07	5.413	
21,500.0	10,397.3	21,274.6	10,379.3	89.5	92.0	-88.87	11,386.8	-1,486.9	980.1	798.6	181.51	5.400	
21,565.0	10,397.6	21,339.6	10,379.6	90.0	92.4	-88.87	11,451.8	-1,487.1	980.1	797.7	182.45	5.372	
21,600.0	10,397.7	21,374.6	10,379.7	90.3	92.7	-88.87	11,486.8	-1,487.1	980.1	797.2	182.96	5.357	
21,660.0	10,398.0	21,434.6	10,380.0	90.7	93.1	-88.87	11,546.8	-1,487.2	980.1	796.3	183.84	5.332	
21,700.0	10,398.1	21,474.6	10,380.1	91.0	93.4	-88.87	11,586.8	-1,487.3	980.1	795.7	184.42	5.315	
21,755.0	10,398.4	21,529.6	10,380.3	91.4	93.8	-88.87	11,641.8	-1,487.4	980.1	794.9	185.22	5.292	
21,800.0	10,398.6	21,574.6	10,380.5	91.8	94.1	-88.87	11,686.8	-1,487.5	980.2	794.3	185.88	5.273	
21,850.0	10,398.8	21,624.6	10,380.7	92.1	94.5	-88.87	11,736.8	-1,487.6	980.2	793.5	186.61	5.252	
21,900.0	10,399.0	21,674.6	10,380.9	92.5	94.8	-88.87	11,786.8	-1,487.7	980.2	792.8	187.34	5.232	
21,945.0	10,399.2	21,719.6	10,381.1	92.8	95.2	-88.87	11,831.8	-1,487.8	980.2	792.2	187.99	5.214	
22,000.0	10,399.4	21,774.6	10,381.4	93.3	95.6	-88.87	11,886.8	-1,487.9	980.2	791.4	188.80	5.192	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #905H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9935-r.5 MWD+IFR1+MS **Rule Assigned:** **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,040.0	10,399.5	21,814.6	10,381.5	93.6	95.8	-88.87	11,926.8	-1,488.0	980.2	790.8	189.38	5.176	
22,100.0	10,399.8	21,874.6	10,381.8	94.0	96.3	-88.87	11,986.8	-1,488.1	980.2	789.9	190.26	5.152	
22,135.0	10,399.9	21,909.6	10,381.9	94.3	96.5	-88.87	12,021.8	-1,488.2	980.2	789.4	190.77	5.138	
22,200.0	10,400.2	21,974.6	10,382.2	94.7	97.0	-88.87	12,086.8	-1,488.3	980.2	788.4	191.72	5.112	
22,230.0	10,400.3	22,004.6	10,382.3	95.0	97.2	-88.87	12,116.8	-1,488.4	980.2	788.0	192.16	5.101	
22,264.2	10,400.5	22,038.8	10,382.5	95.2	97.5	-88.87	12,151.0	-1,488.4	980.2	787.5	192.66	5.088	
22,300.0	10,400.6	22,074.6	10,382.6	95.5	97.7	-88.87	12,186.8	-1,488.5	980.2	787.0	193.18	5.074	
22,325.0	10,400.7	22,099.6	10,382.7	95.7	97.9	-88.87	12,211.8	-1,488.5	980.2	786.6	193.55	5.064	
22,394.2	10,401.0	22,168.8	10,383.0	96.2	98.4	-88.87	12,281.0	-1,488.7	980.2	785.6	194.56	5.038	
22,394.8	10,401.0	22,169.4	10,383.0	96.2	98.4	-88.87	12,281.6	-1,488.7	980.2	785.6	194.57	5.038	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-89.24	11.2	-845.1	846.1				
95.0	95.0	55.5	55.5	3.0	3.1	-89.24	11.2	-845.1	845.1	839.0	6.09	138.714	
100.0	100.0	60.5	60.5	3.0	3.1	-89.24	11.2	-845.1	845.1	839.0	6.11	138.344	
190.0	190.0	150.5	150.5	3.1	3.5	-89.24	11.2	-845.1	845.1	838.5	6.60	127.978	
200.0	200.0	160.5	160.5	3.2	3.5	-89.24	11.2	-845.1	845.1	838.5	6.68	126.523	
285.0	285.0	245.5	245.5	3.3	4.4	-89.24	11.2	-845.1	845.1	837.5	7.64	110.683	
300.0	300.0	260.5	260.5	3.3	4.7	-89.24	11.2	-845.1	845.1	837.1	8.00	105.590	
380.0	380.0	340.5	340.5	3.4	6.8	-89.20	11.8	-845.1	845.1	835.0	10.19	82.953	
400.0	400.0	360.6	360.6	3.4	7.4	-89.21	11.7	-845.1	845.1	834.4	10.77	78.449	
475.0	475.0	435.7	435.5	3.5	9.7	-89.24	11.2	-845.1	845.1	832.0	13.16	64.242	
500.0	500.0	460.7	460.5	3.5	10.6	-89.24	11.2	-845.1	845.1	831.0	14.14	59.777	
570.0	570.0	530.7	530.5	3.6	13.4	-89.15	12.5	-845.1	845.2	828.2	16.92	49.950	
600.0	600.0	560.9	560.6	3.6	14.5	-89.16	12.3	-845.1	845.2	827.0	18.13	46.619	
665.0	665.0	625.9	625.5	3.7	17.1	-89.24	11.2	-845.1	845.1	824.4	20.72	40.790	
700.0	700.0	660.9	660.5	3.8	18.3	-89.24	11.2	-845.1	845.1	823.2	21.97	38.475	
760.0	760.0	720.9	720.5	3.8	20.3	-89.24	11.2	-845.1	845.1	821.0	24.10	35.062	
800.0	800.0	761.1	760.6	3.9	21.7	-89.15	12.6	-845.1	845.2	819.6	25.54	33.094	
855.0	855.0	816.3	815.8	4.0	23.7	-89.20	11.8	-845.1	845.1	817.6	27.51	30.718	
900.0	900.0	861.1	860.5	4.0	25.2	-89.24	11.2	-845.1	845.1	816.1	29.06	29.080	
950.0	950.0	911.2	910.5	4.1	26.8	-89.20	11.7	-845.1	845.1	814.4	30.72	27.507	
1,000.0	1,000.0	961.2	960.5	4.1	28.4	-89.24	11.2	-845.1	845.1	812.7	32.40	26.086	
1,045.0	1,045.0	1,006.2	1,005.5	4.2	30.0	-89.24	11.2	-845.1	845.1	811.1	34.07	24.808	
1,100.0	1,100.0	1,061.3	1,060.5	4.3	32.0	-89.17	12.3	-845.1	845.2	809.0	36.11	23.404	
1,140.0	1,140.0	1,101.4	1,100.6	4.3	33.5	-89.18	12.0	-845.1	845.1	807.5	37.60	22.476	
1,200.0	1,200.0	1,161.4	1,160.5	4.4	35.7	-89.24	11.2	-845.1	845.1	805.3	39.87	21.195	
1,235.0	1,235.0	1,196.4	1,195.5	4.4	37.1	-89.24	11.2	-845.1	845.1	803.8	41.31	20.458	
1,300.0	1,300.0	1,261.7	1,260.7	4.5	39.7	-89.20	11.8	-845.1	845.1	801.2	43.99	19.211	
1,330.0	1,330.0	1,291.6	1,290.5	4.5	40.9	-89.24	11.2	-845.1	845.1	799.9	45.23	18.685	
1,400.0	1,400.0	1,361.6	1,360.5	4.6	44.0	-89.24	11.2	-845.1	845.1	796.7	48.39	17.466	
1,425.0	1,425.0	1,386.7	1,385.5	4.6	45.1	-89.24	11.1	-845.1	845.1	795.6	49.52	17.067	
1,426.6	1,426.6	1,388.2	1,387.1	4.6	45.2	-89.24	11.1	-845.1	845.1	795.5	49.59	17.043	
1,500.0	1,500.0	1,461.7	1,460.5	4.7	48.5	-89.24	11.2	-845.1	845.1	792.2	52.90	15.976	
1,520.0	1,520.0	1,482.5	1,481.0	4.7	49.3	-2.52	11.4	-845.1	845.1	791.3	53.78	15.712	
1,600.0	1,600.0	1,572.1	1,570.6	4.8	50.2	-2.39	13.4	-844.2	842.6	787.8	54.80	15.376	
1,615.0	1,615.0	1,587.2	1,585.7	4.8	50.2	-2.36	13.8	-844.0	841.9	787.0	54.84	15.350	
1,700.0	1,699.8	1,673.7	1,672.1	5.0	50.2	-2.25	15.6	-842.8	836.1	781.0	55.09	15.177	
1,710.0	1,709.8	1,683.8	1,682.3	5.0	50.2	-2.25	15.7	-842.7	835.2	780.1	55.12	15.153	
1,800.0	1,799.5	1,774.3	1,772.8	5.2	50.2	-2.20	16.8	-841.3	825.9	770.5	55.40	14.909	
1,805.0	1,804.4	1,779.3	1,777.8	5.2	50.2	-2.20	16.9	-841.2	825.3	769.9	55.41	14.894	
1,900.0	1,898.7	1,878.9	1,877.3	5.5	50.2	-2.17	17.9	-839.4	811.9	756.2	55.72	14.573	
1,995.0	1,992.8	1,979.6	1,978.0	5.8	50.2	-2.11	19.1	-836.7	796.2	740.3	55.95	14.231	
2,000.0	1,997.7	1,984.9	1,983.3	5.8	50.2	-2.11	19.1	-836.5	795.4	739.4	55.96	14.213	
2,090.0	2,086.9	2,069.2	2,067.5	6.0	50.2	-2.06	20.2	-834.0	780.2	724.0	56.22	13.878	
2,100.0	2,096.8	2,078.4	2,076.7	6.0	50.2	-2.06	20.2	-833.8	778.6	722.3	56.25	13.841	
2,185.0	2,180.9	2,167.2	2,165.5	6.3	50.3	-2.04	20.8	-831.4	764.5	708.0	56.50	13.532	
2,200.0	2,195.8	2,183.1	2,181.4	6.3	50.3	-2.04	21.0	-830.8	761.9	705.4	56.54	13.476	
2,280.0	2,275.0	2,263.6	2,261.8	6.6	50.3	-2.01	21.7	-828.1	748.1	691.3	56.79	13.173	
2,300.0	2,294.8	2,283.5	2,281.7	6.6	50.3	-2.00	21.8	-827.4	744.6	687.8	56.85	13.097	
2,375.0	2,369.1	2,353.7	2,351.9	6.8	50.3	-1.99	22.3	-825.0	731.7	674.6	57.11	12.812	
2,400.0	2,393.8	2,376.0	2,374.2	6.9	50.3	-1.98	22.5	-824.4	727.5	670.3	57.20	12.719	
2,470.0	2,463.2	2,437.9	2,436.0	7.2	50.3	-1.98	22.8	-822.9	716.2	658.7	57.46	12.463	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,492.9	2,464.0	2,462.1	7.3	50.3	-1.98	23.0	-822.5	711.6	654.0	57.57	12.359	
2,565.0	2,557.2	2,523.8	2,522.0	7.5	50.4	-1.98	23.2	-822.0	702.0	644.1	57.82	12.141	
2,600.0	2,591.9	2,556.7	2,554.8	7.6	50.4	-1.99	23.2	-821.8	696.9	639.0	57.95	12.027	
2,660.0	2,651.3	2,613.6	2,611.8	7.8	50.4	-2.01	23.2	-821.7	688.4	630.2	58.17	11.834	
2,700.0	2,690.9	2,653.3	2,651.4	7.9	50.4	-2.03	23.2	-821.7	682.8	624.5	58.32	11.708	
2,755.0	2,745.4	2,707.7	2,705.9	8.1	50.4	-2.05	23.2	-821.7	675.2	616.7	58.54	11.534	
2,800.0	2,789.9	2,752.3	2,750.4	8.3	50.4	-2.07	23.2	-821.7	668.9	610.2	58.72	11.393	
2,850.0	2,839.5	2,801.8	2,800.0	8.5	50.5	-2.09	23.2	-821.7	662.0	603.1	58.91	11.237	
2,900.0	2,889.0	2,851.2	2,849.4	8.6	50.5	-2.11	23.2	-821.5	654.8	595.7	59.11	11.078	
2,945.0	2,933.5	2,895.5	2,893.7	8.8	50.5	-2.14	23.2	-821.5	648.6	589.3	59.29	10.939	
3,000.0	2,988.0	2,949.7	2,947.9	9.0	50.5	-2.16	23.2	-821.5	641.0	581.5	59.52	10.770	
3,040.0	3,027.6	2,989.2	2,987.3	9.2	50.5	-2.18	23.2	-821.6	635.5	575.8	59.68	10.648	
3,100.0	3,087.0	3,048.3	3,046.4	9.4	50.5	-2.21	23.2	-821.7	627.2	567.3	59.93	10.466	
3,135.0	3,121.7	3,084.0	3,082.2	9.5	50.6	-2.23	23.2	-821.7	622.3	562.2	60.13	10.349	
3,200.0	3,186.0	3,148.4	3,146.5	9.8	50.8	-2.26	23.2	-821.7	613.3	552.8	60.52	10.134	
3,230.0	3,215.8	3,178.1	3,176.3	9.9	50.8	-2.26	23.3	-821.7	609.1	548.4	60.70	10.035	
3,300.0	3,285.1	3,247.4	3,245.6	10.1	51.0	-2.30	23.3	-821.7	599.4	538.3	61.12	9.807	
3,325.0	3,309.8	3,272.2	3,270.4	10.2	51.0	-2.32	23.3	-821.7	595.9	534.7	61.27	9.726	
3,400.0	3,384.1	3,346.5	3,344.6	10.5	51.3	-2.37	23.2	-821.7	585.5	523.7	61.79	9.475	
3,420.0	3,403.9	3,366.3	3,364.4	10.6	51.3	-2.38	23.2	-821.7	582.7	520.8	61.95	9.406	
3,500.0	3,483.1	3,445.5	3,443.6	10.9	51.7	-2.40	23.5	-821.7	571.6	509.0	62.57	9.136	
3,515.0	3,498.0	3,460.3	3,458.5	11.0	51.7	-2.41	23.5	-821.7	569.5	506.8	62.68	9.086	
3,600.0	3,582.2	3,544.5	3,542.7	11.3	52.0	-2.48	23.3	-821.7	557.7	494.3	63.34	8.805	
3,610.0	3,592.1	3,554.5	3,552.6	11.4	52.1	-2.49	23.2	-821.7	556.3	492.9	63.42	8.772	
3,700.0	3,681.2	3,643.6	3,641.7	11.7	52.5	-2.54	23.3	-821.7	543.8	479.6	64.23	8.466	
3,705.0	3,686.1	3,648.5	3,646.6	11.7	52.6	-2.54	23.3	-821.7	543.1	478.8	64.28	8.449	
3,800.0	3,780.2	3,742.6	3,740.7	12.1	53.1	-2.62	23.2	-821.7	529.9	464.7	65.20	8.128	
3,895.0	3,874.3	3,836.7	3,834.8	12.5	53.7	-2.68	23.2	-821.7	516.7	450.5	66.17	7.808	
3,900.0	3,879.2	3,841.6	3,839.7	12.5	53.7	-2.69	23.2	-821.7	516.0	449.7	66.23	7.791	
3,990.0	3,968.4	3,930.8	3,928.9	12.9	54.3	-2.75	23.2	-821.7	503.5	436.3	67.21	7.491	
4,000.0	3,978.3	3,940.7	3,938.8	12.9	54.4	-2.76	23.2	-821.7	502.1	434.8	67.32	7.458	
4,085.0	4,062.4	4,024.8	4,022.9	13.3	55.1	-2.81	23.4	-821.7	490.3	421.9	68.31	7.177	
4,100.0	4,077.3	4,039.7	4,037.8	13.3	55.2	-2.82	23.3	-821.7	488.2	419.7	68.48	7.128	
4,180.0	4,156.5	4,118.9	4,117.0	13.6	55.8	-2.91	23.2	-821.7	477.1	407.6	69.47	6.867	
4,200.0	4,176.3	4,138.7	4,136.8	13.7	56.0	-2.92	23.2	-821.7	474.3	404.6	69.72	6.802	
4,275.0	4,250.6	4,213.0	4,211.1	14.0	56.7	-2.96	23.4	-821.7	463.8	393.2	70.67	6.564	
4,300.0	4,275.3	4,237.8	4,235.9	14.1	56.9	-3.00	23.3	-821.7	460.4	389.4	70.98	6.486	
4,370.0	4,344.7	4,307.1	4,305.2	14.4	57.5	-3.08	23.2	-821.7	450.6	378.7	71.92	6.266	
4,400.0	4,374.4	4,336.8	4,334.9	14.5	57.8	-3.11	23.2	-821.7	446.5	374.1	72.33	6.173	
4,465.0	4,438.7	4,401.2	4,399.2	14.8	58.4	-3.14	23.4	-821.7	437.4	364.2	73.21	5.975	
4,500.0	4,473.4	4,435.8	4,433.9	15.0	58.8	-3.20	23.3	-821.7	432.6	358.9	73.69	5.870	
4,560.0	4,532.8	4,495.2	4,493.3	15.2	59.4	-3.27	23.2	-821.7	424.2	349.7	74.56	5.690	
4,600.0	4,572.4	4,534.9	4,532.9	15.4	59.8	-3.31	23.2	-821.7	418.7	343.5	75.14	5.572	
4,655.0	4,626.9	4,589.3	4,587.4	15.6	60.4	-3.34	23.5	-821.7	411.0	335.1	75.95	5.412	
4,700.0	4,671.5	4,633.9	4,632.0	15.8	60.9	-3.41	23.3	-821.7	404.8	328.2	76.60	5.284	
4,750.0	4,721.0	4,683.4	4,681.5	16.0	61.4	-3.49	23.2	-821.7	397.8	320.5	77.36	5.143	
4,790.0	4,760.6	4,723.0	4,721.1	16.1	61.9	-3.53	23.2	-821.7	392.3	314.3	77.98	5.031	
4,800.0	4,770.5	4,732.9	4,731.0	16.2	62.0	-3.55	23.2	-821.7	390.9	312.8	78.13	5.003	
4,845.0	4,815.1	4,777.5	4,775.6	16.4	62.5	-3.56	23.4	-821.7	384.9	306.1	78.82	4.883	
4,900.0	4,869.6	4,832.1	4,830.1	16.6	63.1	-3.66	23.2	-821.7	378.0	298.4	79.67	4.745	
4,940.0	4,909.4	4,871.8	4,869.9	16.8	63.6	-3.70	23.2	-821.7	373.4	293.1	80.33	4.648	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,969.0	4,931.5	4,929.5	17.0	64.4	-3.73	23.4	-821.7	366.9	285.6	81.31	4.513	
5,035.0	5,003.8	4,966.3	4,964.3	17.1	64.8	-3.78	23.3	-821.7	363.4	281.6	81.88	4.439	
5,100.0	5,068.6	5,031.1	5,029.1	17.4	65.7	-3.86	23.2	-821.7	357.5	274.5	83.00	4.307	
5,130.0	5,098.5	5,061.0	5,059.0	17.5	66.1	-3.88	23.2	-821.7	355.1	271.5	83.53	4.250	
5,200.0	5,168.3	5,130.8	5,128.8	17.7	67.1	-3.89	23.5	-821.7	349.9	265.1	84.77	4.128	
5,225.0	5,193.2	5,155.7	5,153.7	17.8	67.4	-3.93	23.3	-821.7	348.2	263.0	85.20	4.087	
5,300.0	5,268.1	5,230.6	5,228.6	18.1	68.5	-4.00	23.2	-821.7	344.0	257.4	86.58	3.973	
5,320.0	5,288.1	5,250.6	5,248.6	18.2	68.8	-4.01	23.2	-821.7	343.0	256.0	86.95	3.945	
5,400.0	5,368.0	5,330.5	5,328.5	18.4	70.1	-3.99	23.5	-821.7	339.8	251.3	88.43	3.842	
5,415.0	5,383.0	5,345.5	5,343.5	18.5	70.3	-4.02	23.4	-821.7	339.3	250.6	88.70	3.825	
5,500.0	5,468.0	5,430.5	5,428.5	18.7	71.6	-4.07	23.2	-821.7	337.3	247.1	90.27	3.737	
5,510.0	5,478.0	5,440.5	5,438.5	18.7	71.8	-4.07	23.2	-821.7	337.2	246.8	90.44	3.729	
5,589.7	5,557.7	5,520.2	5,518.1	18.8	73.0	-90.71	23.7	-821.7	336.6	244.8	91.80	3.667	CC
5,590.0	5,558.0	5,520.6	5,518.5	18.8	73.0	-90.71	23.7	-821.7	336.6	244.8	91.80	3.667	
5,600.0	5,568.0	5,530.5	5,528.5	18.8	73.2	-90.72	23.7	-821.7	336.6	244.7	91.96	3.661	
5,605.0	5,573.0	5,535.5	5,533.5	18.8	73.2	-90.72	23.6	-821.7	336.6	244.6	92.04	3.658	
5,700.0	5,668.0	5,630.6	5,628.5	18.9	74.7	-90.79	23.2	-821.7	336.6	243.1	93.56	3.598	
5,730.0	5,697.9	5,660.6	5,658.4	18.9	75.2	-90.74	23.5	-821.7	336.6	242.6	94.04	3.580	
5,795.0	5,763.0	5,725.6	5,723.5	18.9	76.2	-90.78	23.3	-821.7	336.6	241.6	95.09	3.540	
5,800.0	5,768.0	5,730.6	5,728.5	18.9	76.3	-90.79	23.2	-821.7	336.6	241.5	95.17	3.537	
5,890.0	5,858.0	5,820.6	5,818.5	18.9	77.9	-90.79	23.2	-821.7	336.6	239.9	96.76	3.479	
5,900.0	5,868.0	5,830.6	5,828.5	19.0	78.0	-90.79	23.2	-821.7	336.6	239.7	96.93	3.473	
5,929.0	5,897.0	5,859.6	5,857.4	19.0	78.5	-90.71	23.7	-821.7	336.6	239.2	97.45	3.455	
5,985.0	5,953.0	5,915.6	5,913.5	19.0	79.5	-90.73	23.5	-821.7	336.6	238.2	98.44	3.420	
6,000.0	5,968.0	5,930.6	5,928.5	19.0	79.8	-90.75	23.5	-821.7	336.6	237.9	98.70	3.411	
6,080.0	6,048.0	6,010.7	6,008.5	19.0	81.2	-90.79	23.2	-821.7	336.6	236.5	100.17	3.361	
6,088.0	6,055.9	6,018.6	6,016.4	19.0	81.3	-90.74	23.5	-821.7	336.6	236.3	100.32	3.356	
6,100.0	6,068.0	6,030.7	6,028.5	19.0	81.6	-90.75	23.5	-821.7	336.6	236.1	100.54	3.348	
6,175.0	6,143.0	6,105.7	6,103.5	19.1	82.9	-90.79	23.2	-821.7	336.6	234.7	101.96	3.302	
6,200.0	6,168.0	6,130.7	6,128.5	19.1	83.4	-90.80	23.2	-821.7	336.6	234.2	102.44	3.286	
6,227.8	6,195.8	6,158.5	6,156.2	19.1	83.9	-90.79	23.2	-821.7	336.6	233.7	102.95	3.270	
6,270.0	6,238.0	6,198.9	6,196.6	19.1	84.3	-90.77	23.3	-821.8	336.8	233.4	103.39	3.257	
6,300.0	6,268.0	6,227.6	6,225.4	19.1	84.6	-90.84	22.9	-822.0	337.0	233.3	103.69	3.250	ES
6,365.0	6,333.0	6,291.5	6,289.3	19.1	85.2	-91.03	21.8	-822.8	337.8	233.5	104.31	3.238	
6,400.0	6,368.0	6,327.2	6,324.9	19.2	85.5	-90.65	24.0	-823.2	338.2	233.6	104.62	3.233	
6,460.0	6,428.0	6,388.3	6,385.0	19.2	86.1	-88.90	34.4	-823.8	338.8	233.8	105.03	3.226	SF
6,500.0	6,468.0	6,422.6	6,417.7	19.2	86.1	-87.18	44.6	-824.1	339.6	234.6	105.04	3.233	
6,555.0	6,523.0	6,467.9	6,459.7	19.2	86.1	-84.33	61.6	-824.8	342.2	237.4	104.89	3.263	
6,600.0	6,568.0	6,501.7	6,490.1	19.2	86.1	-81.91	76.3	-825.9	346.4	241.8	104.54	3.313	
6,650.0	6,618.0	6,540.1	6,523.4	19.3	86.2	-78.83	95.4	-827.1	353.0	249.1	103.91	3.397	
6,700.0	6,668.0	6,570.8	6,548.7	19.3	86.2	-76.09	112.8	-828.1	362.3	259.6	102.70	3.528	
6,745.0	6,713.0	6,593.6	6,566.6	19.3	86.2	-73.95	126.8	-829.2	373.7	272.7	101.02	3.699	
6,800.0	6,768.0	6,619.1	6,586.0	19.3	86.2	-71.57	143.2	-831.1	391.6	293.2	98.42	3.979	
6,840.0	6,808.0	6,637.1	6,599.2	19.3	86.2	-69.87	155.3	-832.8	407.2	310.9	96.28	4.229	
6,900.0	6,868.0	6,665.4	6,619.0	19.4	86.2	-67.18	175.4	-835.6	434.2	341.2	92.99	4.669	
6,935.0	6,903.0	6,682.2	6,630.1	19.4	86.2	-65.55	187.9	-837.2	451.7	360.6	91.06	4.961	
7,000.0	6,968.0	6,707.0	6,645.9	19.4	86.2	-63.17	206.9	-839.2	487.2	400.1	87.05	5.597	
7,030.0	6,998.0	6,721.8	6,654.8	19.4	86.2	-61.75	218.7	-840.2	504.8	419.3	85.50	5.903	
7,100.0	7,068.0	6,738.0	6,664.1	19.5	86.2	-60.20	231.9	-841.3	549.0	468.2	80.74	6.799	
7,125.0	7,093.0	6,748.8	6,669.9	19.5	86.2	-59.16	241.0	-842.1	565.7	486.2	79.51	7.115	
7,200.0	7,168.0	6,770.0	6,680.8	19.5	86.3	-57.17	259.1	-843.6	618.4	543.1	75.31	8.212	

CC - Min centre to center distance or covergent 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 #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,220.0	7,188.0	6,770.0	6,680.8	19.5	86.3	-57.17	259.1	-843.6	633.0	559.2	73.87	8.570	
7,300.0	7,268.0	6,786.1	6,688.4	19.5	86.3	-55.70	273.3	-844.8	693.8	624.1	69.67	9.957	
7,315.0	7,283.0	6,788.7	6,689.6	19.6	86.3	-55.47	275.5	-845.0	705.5	636.6	68.92	10.236	
7,400.0	7,368.0	6,801.0	6,695.0	19.6	86.3	-54.37	286.6	-846.1	773.7	708.8	64.90	11.921	
7,410.0	7,378.0	6,801.0	6,695.0	19.6	86.3	-54.37	286.6	-846.1	781.9	717.5	64.37	12.146	
7,500.0	7,468.0	6,815.7	6,700.9	19.6	86.3	-53.11	299.9	-847.5	857.1	796.2	60.94	14.064	
7,505.0	7,473.0	6,816.3	6,701.2	19.6	86.3	-53.06	300.4	-847.5	861.4	800.6	60.76	14.177	
7,600.0	7,568.0	6,832.0	6,707.1	19.7	86.3	-51.75	314.9	-849.2	943.3	885.5	57.78	16.326	
7,695.0	7,663.0	6,832.0	6,707.1	19.7	86.3	-51.75	314.9	-849.2	1,027.0	972.6	54.43	18.869	
7,700.0	7,668.0	6,832.0	6,707.1	19.7	86.3	-51.75	314.9	-849.2	1,031.5	977.2	54.27	19.007	
7,790.0	7,758.0	6,844.1	6,711.2	19.8	86.3	-50.78	326.2	-850.7	1,112.4	1,060.1	52.23	21.299	
7,800.0	7,768.0	6,844.9	6,711.4	19.8	86.3	-50.72	326.9	-850.7	1,121.4	1,069.4	51.99	21.571	
7,885.0	7,853.0	6,850.7	6,713.2	19.8	86.3	-50.26	332.4	-851.5	1,199.0	1,148.9	50.10	23.932	
7,900.0	7,868.0	6,863.0	6,716.7	19.8	86.3	-49.32	344.1	-853.0	1,213.0	1,162.7	50.34	24.096	
7,980.0	7,948.0	6,863.0	6,716.7	19.8	86.3	-49.32	344.1	-853.0	1,286.7	1,238.2	48.56	26.500	
8,000.0	7,968.0	6,863.0	6,716.7	19.9	86.3	-49.32	344.1	-853.0	1,305.3	1,257.1	48.15	27.111	

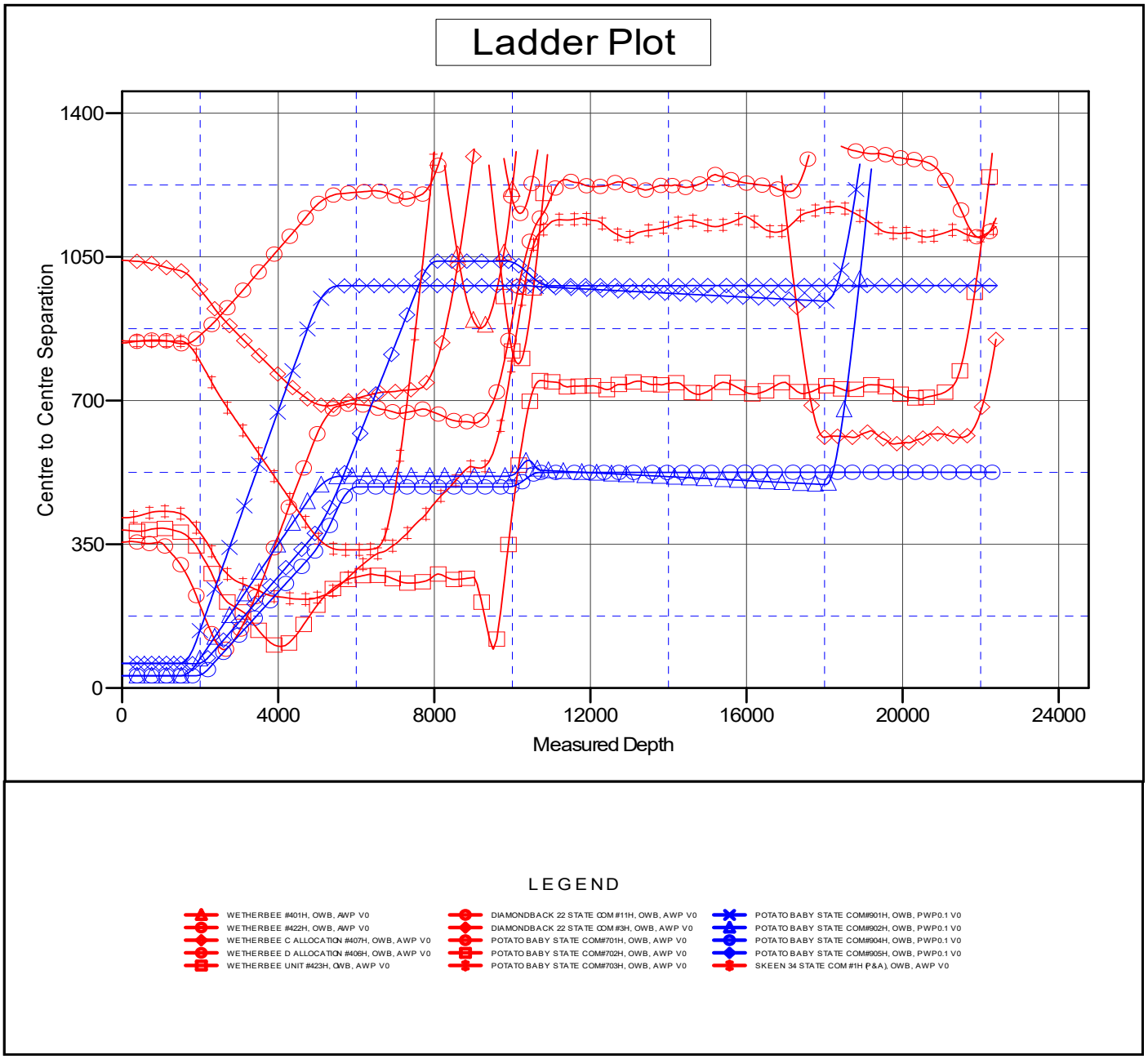
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 3066.5ft @ 3091.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #903H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.14°



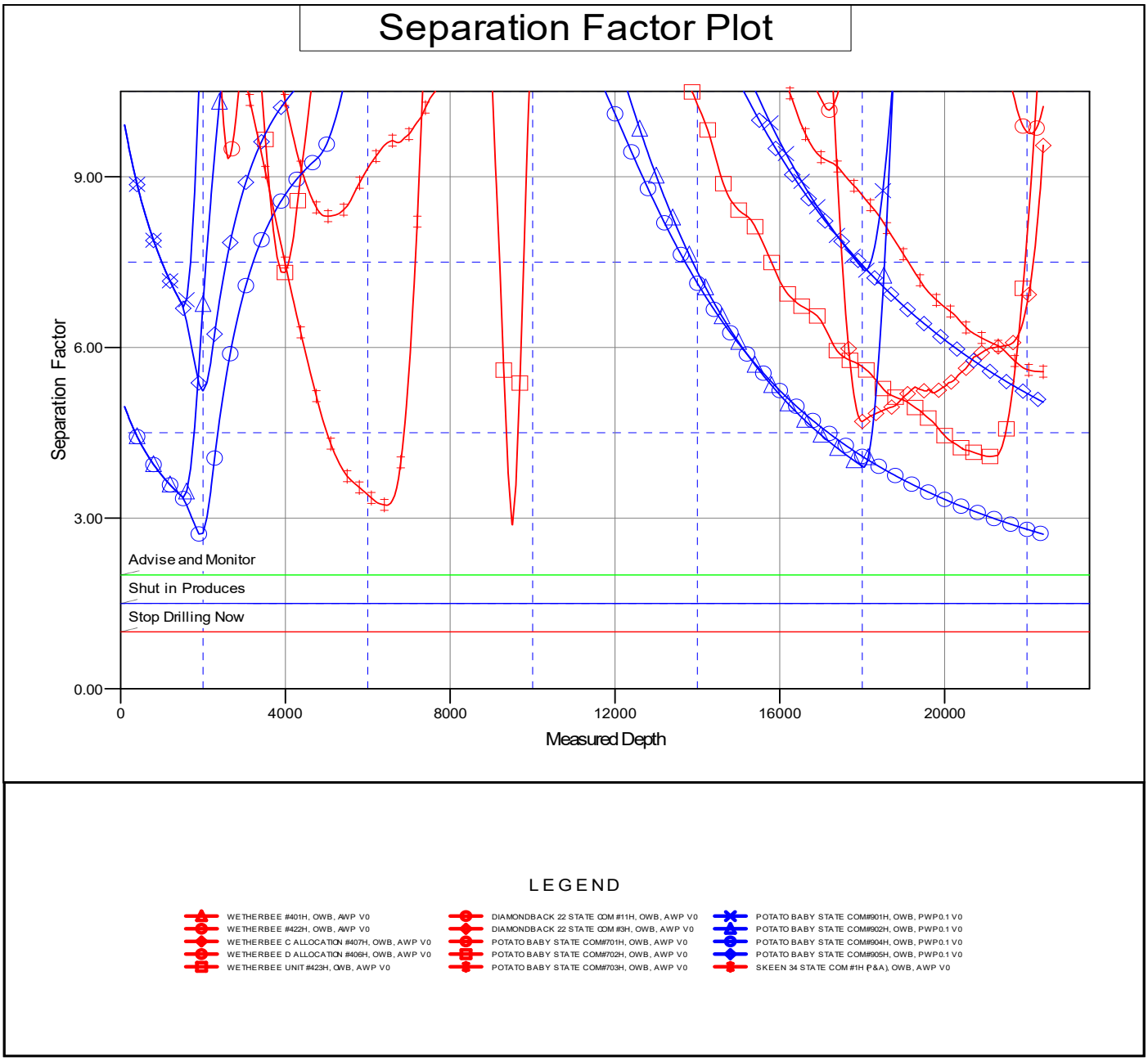
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum 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 3066.5ft @ 3091.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #903H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.14°



CC - Min centre to center distance or covergent 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 #903H

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 #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**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 #903H				
Well Position	**+N/-S**	267.8 usft	**Northing:**	364,084.62 usft	**Latitude:**	32° 0' 2.544 N
	+E/-W	4,475.5 usft	**Easting:**	581,946.89 usft	**Longitude:**	104° 4' 8.337 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,066.5 usft

Wellbore	OWB				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2022	7/1/2023	6.61	59.53	47,327.67373684

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	357.63	

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	9,812.1	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	9,812.1	22,394.2	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**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	
1,900.0	8.00	273.29	1,898.7	1.6	-27.8	2.00	2.00	0.00	273.29	
4,790.0	8.00	273.29	4,760.6	24.7	-429.4	0.00	0.00	0.00	0.00	
5,590.0	0.00	0.00	5,558.0	27.9	-485.1	1.00	-1.00	0.00	180.00	
9,812.1	0.00	0.00	9,780.0	27.9	-485.1	0.00	0.00	0.00	0.00	
10,709.7	89.76	359.89	10,353.0	598.5	-486.2	10.00	10.00	-0.01	359.89	
22,264.2	89.76	359.89	10,400.5	12,152.9	-508.5	0.00	0.00	0.00	0.00	LTP (POTATO BABY
22,394.2	89.76	359.89	10,401.0	12,282.8	-508.7	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 #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.00	273.29	1,600.0	0.1	-1.7	0.2	2.00	2.00	0.00
1,700.0	4.00	273.29	1,699.8	0.4	-7.0	0.7	2.00	2.00	0.00
1,800.0	6.00	273.29	1,799.5	0.9	-15.7	1.5	2.00	2.00	0.00
1,900.0	8.00	273.29	1,898.7	1.6	-27.8	2.7	2.00	2.00	0.00
2,000.0	8.00	273.29	1,997.7	2.4	-41.7	4.1	0.00	0.00	0.00
2,100.0	8.00	273.29	2,096.8	3.2	-55.6	5.5	0.00	0.00	0.00
2,200.0	8.00	273.29	2,195.8	4.0	-69.5	6.9	0.00	0.00	0.00
2,300.0	8.00	273.29	2,294.8	4.8	-83.4	8.2	0.00	0.00	0.00
2,400.0	8.00	273.29	2,393.8	5.6	-97.3	9.6	0.00	0.00	0.00
2,500.0	8.00	273.29	2,492.9	6.4	-111.2	11.0	0.00	0.00	0.00
2,600.0	8.00	273.29	2,591.9	7.2	-125.1	12.4	0.00	0.00	0.00
2,700.0	8.00	273.29	2,690.9	8.0	-139.0	13.7	0.00	0.00	0.00
2,800.0	8.00	273.29	2,789.9	8.8	-152.9	15.1	0.00	0.00	0.00
2,900.0	8.00	273.29	2,889.0	9.6	-166.8	16.5	0.00	0.00	0.00
3,000.0	8.00	273.29	2,988.0	10.4	-180.7	17.8	0.00	0.00	0.00
3,100.0	8.00	273.29	3,087.0	11.2	-194.6	19.2	0.00	0.00	0.00
3,200.0	8.00	273.29	3,186.0	12.0	-208.5	20.6	0.00	0.00	0.00
3,300.0	8.00	273.29	3,285.1	12.8	-222.4	22.0	0.00	0.00	0.00
3,400.0	8.00	273.29	3,384.1	13.6	-236.3	23.3	0.00	0.00	0.00
3,500.0	8.00	273.29	3,483.1	14.4	-250.1	24.7	0.00	0.00	0.00
3,600.0	8.00	273.29	3,582.2	15.2	-264.0	26.1	0.00	0.00	0.00
3,700.0	8.00	273.29	3,681.2	16.0	-277.9	27.4	0.00	0.00	0.00
3,800.0	8.00	273.29	3,780.2	16.8	-291.8	28.8	0.00	0.00	0.00
3,900.0	8.00	273.29	3,879.2	17.6	-305.7	30.2	0.00	0.00	0.00
4,000.0	8.00	273.29	3,978.3	18.4	-319.6	31.6	0.00	0.00	0.00
4,100.0	8.00	273.29	4,077.3	19.2	-333.5	32.9	0.00	0.00	0.00
4,200.0	8.00	273.29	4,176.3	20.0	-347.4	34.3	0.00	0.00	0.00
4,300.0	8.00	273.29	4,275.3	20.8	-361.3	35.7	0.00	0.00	0.00
4,400.0	8.00	273.29	4,374.4	21.6	-375.2	37.0	0.00	0.00	0.00
4,500.0	8.00	273.29	4,473.4	22.3	-389.1	38.4	0.00	0.00	0.00
4,600.0	8.00	273.29	4,572.4	23.1	-403.0	39.8	0.00	0.00	0.00
4,700.0	8.00	273.29	4,671.5	23.9	-416.9	41.2	0.00	0.00	0.00
4,790.0	8.00	273.29	4,760.6	24.7	-429.4	42.4	0.00	0.00	0.00
4,800.0	7.90	273.29	4,770.5	24.7	-430.8	42.5	1.00	-1.00	0.00
4,900.0	6.90	273.29	4,869.6	25.5	-443.6	43.8	1.00	-1.00	0.00
5,000.0	5.90	273.29	4,969.0	26.1	-454.8	44.9	1.00	-1.00	0.00
5,100.0	4.90	273.29	5,068.6	26.7	-464.2	45.8	1.00	-1.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**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)
5,200.0	3.90	273.29	5,168.3	27.1	-471.8	46.6	1.00	-1.00	0.00
5,300.0	2.90	273.29	5,268.1	27.4	-477.7	47.2	1.00	-1.00	0.00
5,400.0	1.90	273.29	5,368.0	27.7	-481.9	47.6	1.00	-1.00	0.00
5,500.0	0.90	273.29	5,468.0	27.8	-484.4	47.8	1.00	-1.00	0.00
5,590.0	0.00	0.00	5,558.0	27.9	-485.1	47.9	1.00	-1.00	0.00
5,600.0	0.00	0.00	5,568.0	27.9	-485.1	47.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,668.0	27.9	-485.1	47.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,768.0	27.9	-485.1	47.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,868.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,968.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,068.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,168.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,268.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,368.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,468.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,568.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,668.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,768.0	27.9	-485.1	47.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,868.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,968.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,068.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,168.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,268.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,368.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,468.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,568.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,668.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,768.0	27.9	-485.1	47.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,868.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,968.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,068.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,168.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,268.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,368.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,468.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,568.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,668.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,768.0	27.9	-485.1	47.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,868.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,968.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,068.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,168.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,268.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,368.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,468.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,568.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,668.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,768.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,812.1	0.00	0.00	9,780.0	27.9	-485.1	47.9	0.00	0.00	0.00
9,850.0	3.79	359.89	9,818.0	29.1	-485.1	49.1	10.00	10.00	0.00
9,900.0	8.79	359.89	9,867.6	34.6	-485.1	54.6	10.00	10.00	0.00
9,950.0	13.79	359.89	9,916.6	44.4	-485.1	64.4	10.00	10.00	0.00
10,000.0	18.79	359.89	9,964.6	58.4	-485.1	78.4	10.00	10.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,050.0	23.79	359.89	10,011.2	76.6	-485.2	96.6	10.00	10.00	0.00
10,100.0	28.79	359.89	10,056.0	98.7	-485.2	118.7	10.00	10.00	0.00
10,150.0	33.79	359.89	10,098.7	124.7	-485.2	144.6	10.00	10.00	0.00
10,200.0	38.79	359.89	10,139.0	154.2	-485.3	174.2	10.00	10.00	0.00
10,250.0	43.79	359.89	10,176.6	187.2	-485.4	207.1	10.00	10.00	0.00
10,300.0	48.79	359.89	10,211.1	223.4	-485.4	243.2	10.00	10.00	0.00
10,350.0	53.79	359.89	10,242.4	262.4	-485.5	282.2	10.00	10.00	0.00
10,400.0	58.79	359.89	10,270.1	304.0	-485.6	323.8	10.00	10.00	0.00
10,450.0	63.79	359.89	10,294.1	347.8	-485.7	367.6	10.00	10.00	0.00
10,500.0	68.79	359.89	10,314.2	393.6	-485.8	413.3	10.00	10.00	0.00
10,550.0	73.79	359.89	10,330.2	440.9	-485.9	460.6	10.00	10.00	0.00
10,600.0	78.79	359.89	10,342.1	489.5	-486.0	509.1	10.00	10.00	0.00
10,650.0	83.79	359.89	10,349.6	538.9	-486.0	558.5	10.00	10.00	0.00
10,700.0	88.79	359.89	10,352.9	588.7	-486.1	608.3	10.00	10.00	0.00
10,709.7	89.76	359.89	10,353.0	598.5	-486.2	618.1	10.00	10.00	0.00
10,800.0	89.76	359.89	10,353.4	688.7	-486.3	708.3	0.00	0.00	0.00
10,900.0	89.76	359.89	10,353.8	788.7	-486.5	808.2	0.00	0.00	0.00
11,000.0	89.76	359.89	10,354.2	888.7	-486.7	908.1	0.00	0.00	0.00
11,100.0	89.76	359.89	10,354.6	988.7	-486.9	1,008.0	0.00	0.00	0.00
11,200.0	89.76	359.89	10,355.0	1,088.7	-487.1	1,108.0	0.00	0.00	0.00
11,300.0	89.76	359.89	10,355.4	1,188.7	-487.3	1,207.9	0.00	0.00	0.00
11,400.0	89.76	359.89	10,355.8	1,288.7	-487.5	1,307.8	0.00	0.00	0.00
11,500.0	89.76	359.89	10,356.2	1,388.7	-487.7	1,407.7	0.00	0.00	0.00
11,600.0	89.76	359.89	10,356.7	1,488.7	-487.9	1,507.6	0.00	0.00	0.00
11,700.0	89.76	359.89	10,357.1	1,588.7	-488.1	1,607.6	0.00	0.00	0.00
11,800.0	89.76	359.89	10,357.5	1,688.7	-488.3	1,707.5	0.00	0.00	0.00
11,900.0	89.76	359.89	10,357.9	1,788.7	-488.5	1,807.4	0.00	0.00	0.00
12,000.0	89.76	359.89	10,358.3	1,888.7	-488.7	1,907.3	0.00	0.00	0.00
12,100.0	89.76	359.89	10,358.7	1,988.7	-488.8	2,007.2	0.00	0.00	0.00
12,200.0	89.76	359.89	10,359.1	2,088.7	-489.0	2,107.2	0.00	0.00	0.00
12,300.0	89.76	359.89	10,359.5	2,188.7	-489.2	2,207.1	0.00	0.00	0.00
12,400.0	89.76	359.89	10,359.9	2,288.7	-489.4	2,307.0	0.00	0.00	0.00
12,500.0	89.76	359.89	10,360.4	2,388.7	-489.6	2,406.9	0.00	0.00	0.00
12,600.0	89.76	359.89	10,360.8	2,488.7	-489.8	2,506.9	0.00	0.00	0.00
12,700.0	89.76	359.89	10,361.2	2,588.7	-490.0	2,606.8	0.00	0.00	0.00
12,800.0	89.76	359.89	10,361.6	2,688.7	-490.2	2,706.7	0.00	0.00	0.00
12,900.0	89.76	359.89	10,362.0	2,788.7	-490.4	2,806.6	0.00	0.00	0.00
13,000.0	89.76	359.89	10,362.4	2,888.7	-490.6	2,906.5	0.00	0.00	0.00
13,100.0	89.76	359.89	10,362.8	2,988.7	-490.8	3,006.5	0.00	0.00	0.00
13,200.0	89.76	359.89	10,363.2	3,088.7	-491.0	3,106.4	0.00	0.00	0.00
13,300.0	89.76	359.89	10,363.6	3,188.7	-491.2	3,206.3	0.00	0.00	0.00
13,400.0	89.76	359.89	10,364.1	3,288.7	-491.4	3,306.2	0.00	0.00	0.00
13,500.0	89.76	359.89	10,364.5	3,388.7	-491.5	3,406.1	0.00	0.00	0.00
13,600.0	89.76	359.89	10,364.9	3,488.7	-491.7	3,506.1	0.00	0.00	0.00
13,700.0	89.76	359.89	10,365.3	3,588.7	-491.9	3,606.0	0.00	0.00	0.00
13,800.0	89.76	359.89	10,365.7	3,688.7	-492.1	3,705.9	0.00	0.00	0.00
13,900.0	89.76	359.89	10,366.1	3,788.7	-492.3	3,805.8	0.00	0.00	0.00
14,000.0	89.76	359.89	10,366.5	3,888.7	-492.5	3,905.8	0.00	0.00	0.00
14,100.0	89.76	359.89	10,366.9	3,988.7	-492.7	4,005.7	0.00	0.00	0.00
14,200.0	89.76	359.89	10,367.3	4,088.7	-492.9	4,105.6	0.00	0.00	0.00
14,300.0	89.76	359.89	10,367.7	4,188.7	-493.1	4,205.5	0.00	0.00	0.00
14,400.0	89.76	359.89	10,368.2	4,288.7	-493.3	4,305.4	0.00	0.00	0.00
14,500.0	89.76	359.89	10,368.6	4,388.7	-493.5	4,405.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**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)
14,600.0	89.76	359.89	10,369.0	4,488.7	-493.7	4,505.3	0.00	0.00	0.00
14,700.0	89.76	359.89	10,369.4	4,588.7	-493.9	4,605.2	0.00	0.00	0.00
14,800.0	89.76	359.89	10,369.8	4,688.7	-494.1	4,705.1	0.00	0.00	0.00
14,900.0	89.76	359.89	10,370.2	4,788.7	-494.2	4,805.0	0.00	0.00	0.00
15,000.0	89.76	359.89	10,370.6	4,888.7	-494.4	4,905.0	0.00	0.00	0.00
15,100.0	89.76	359.89	10,371.0	4,988.7	-494.6	5,004.9	0.00	0.00	0.00
15,200.0	89.76	359.89	10,371.4	5,088.7	-494.8	5,104.8	0.00	0.00	0.00
15,300.0	89.76	359.89	10,371.9	5,188.7	-495.0	5,204.7	0.00	0.00	0.00
15,400.0	89.76	359.89	10,372.3	5,288.7	-495.2	5,304.7	0.00	0.00	0.00
15,500.0	89.76	359.89	10,372.7	5,388.7	-495.4	5,404.6	0.00	0.00	0.00
15,600.0	89.76	359.89	10,373.1	5,488.7	-495.6	5,504.5	0.00	0.00	0.00
15,700.0	89.76	359.89	10,373.5	5,588.7	-495.8	5,604.4	0.00	0.00	0.00
15,800.0	89.76	359.89	10,373.9	5,688.7	-496.0	5,704.3	0.00	0.00	0.00
15,900.0	89.76	359.89	10,374.3	5,788.7	-496.2	5,804.3	0.00	0.00	0.00
16,000.0	89.76	359.89	10,374.7	5,888.7	-496.4	5,904.2	0.00	0.00	0.00
16,100.0	89.76	359.89	10,375.1	5,988.7	-496.6	6,004.1	0.00	0.00	0.00
16,200.0	89.76	359.89	10,375.6	6,088.7	-496.8	6,104.0	0.00	0.00	0.00
16,300.0	89.76	359.89	10,376.0	6,188.7	-496.9	6,203.9	0.00	0.00	0.00
16,400.0	89.76	359.89	10,376.4	6,288.7	-497.1	6,303.9	0.00	0.00	0.00
16,500.0	89.76	359.89	10,376.8	6,388.7	-497.3	6,403.8	0.00	0.00	0.00
16,600.0	89.76	359.89	10,377.2	6,488.7	-497.5	6,503.7	0.00	0.00	0.00
16,700.0	89.76	359.89	10,377.6	6,588.7	-497.7	6,603.6	0.00	0.00	0.00
16,800.0	89.76	359.89	10,378.0	6,688.7	-497.9	6,703.6	0.00	0.00	0.00
16,900.0	89.76	359.89	10,378.4	6,788.7	-498.1	6,803.5	0.00	0.00	0.00
17,000.0	89.76	359.89	10,378.8	6,888.7	-498.3	6,903.4	0.00	0.00	0.00
17,100.0	89.76	359.89	10,379.3	6,988.7	-498.5	7,003.3	0.00	0.00	0.00
17,200.0	89.76	359.89	10,379.7	7,088.7	-498.7	7,103.2	0.00	0.00	0.00
17,300.0	89.76	359.89	10,380.1	7,188.7	-498.9	7,203.2	0.00	0.00	0.00
17,400.0	89.76	359.89	10,380.5	7,288.7	-499.1	7,303.1	0.00	0.00	0.00
17,500.0	89.76	359.89	10,380.9	7,388.7	-499.3	7,403.0	0.00	0.00	0.00
17,600.0	89.76	359.89	10,381.3	7,488.7	-499.5	7,502.9	0.00	0.00	0.00
17,700.0	89.76	359.89	10,381.7	7,588.7	-499.7	7,602.8	0.00	0.00	0.00
17,800.0	89.76	359.89	10,382.1	7,688.7	-499.8	7,702.8	0.00	0.00	0.00
17,900.0	89.76	359.89	10,382.5	7,788.7	-500.0	7,802.7	0.00	0.00	0.00
18,000.0	89.76	359.89	10,382.9	7,888.7	-500.2	7,902.6	0.00	0.00	0.00
18,100.0	89.76	359.89	10,383.4	7,988.7	-500.4	8,002.5	0.00	0.00	0.00
18,200.0	89.76	359.89	10,383.8	8,088.7	-500.6	8,102.5	0.00	0.00	0.00
18,300.0	89.76	359.89	10,384.2	8,188.7	-500.8	8,202.4	0.00	0.00	0.00
18,400.0	89.76	359.89	10,384.6	8,288.7	-501.0	8,302.3	0.00	0.00	0.00
18,500.0	89.76	359.89	10,385.0	8,388.7	-501.2	8,402.2	0.00	0.00	0.00
18,600.0	89.76	359.89	10,385.4	8,488.7	-501.4	8,502.1	0.00	0.00	0.00
18,700.0	89.76	359.89	10,385.8	8,588.7	-501.6	8,602.1	0.00	0.00	0.00
18,800.0	89.76	359.89	10,386.2	8,688.7	-501.8	8,702.0	0.00	0.00	0.00
18,900.0	89.76	359.89	10,386.6	8,788.7	-502.0	8,801.9	0.00	0.00	0.00
19,000.0	89.76	359.89	10,387.1	8,888.7	-502.2	8,901.8	0.00	0.00	0.00
19,100.0	89.76	359.89	10,387.5	8,988.7	-502.4	9,001.7	0.00	0.00	0.00
19,200.0	89.76	359.89	10,387.9	9,088.7	-502.5	9,101.7	0.00	0.00	0.00
19,300.0	89.76	359.89	10,388.3	9,188.7	-502.7	9,201.6	0.00	0.00	0.00
19,400.0	89.76	359.89	10,388.7	9,288.7	-502.9	9,301.5	0.00	0.00	0.00
19,500.0	89.76	359.89	10,389.1	9,388.7	-503.1	9,401.4	0.00	0.00	0.00
19,600.0	89.76	359.89	10,389.5	9,488.7	-503.3	9,501.4	0.00	0.00	0.00
19,700.0	89.76	359.89	10,389.9	9,588.7	-503.5	9,601.3	0.00	0.00	0.00
19,800.0	89.76	359.89	10,390.3	9,688.7	-503.7	9,701.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #903H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3066.5ft @ 3091.5usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #903H	**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)
19,900.0	89.76	359.89	10,390.8	9,788.7	-503.9	9,801.1	0.00	0.00	0.00
20,000.0	89.76	359.89	10,391.2	9,888.7	-504.1	9,901.0	0.00	0.00	0.00
20,100.0	89.76	359.89	10,391.6	9,988.7	-504.3	10,001.0	0.00	0.00	0.00
20,200.0	89.76	359.89	10,392.0	10,088.7	-504.5	10,100.9	0.00	0.00	0.00
20,300.0	89.76	359.89	10,392.4	10,188.6	-504.7	10,200.8	0.00	0.00	0.00
20,400.0	89.76	359.89	10,392.8	10,288.6	-504.9	10,300.7	0.00	0.00	0.00
20,500.0	89.76	359.89	10,393.2	10,388.6	-505.1	10,400.6	0.00	0.00	0.00
20,600.0	89.76	359.89	10,393.6	10,488.6	-505.2	10,500.6	0.00	0.00	0.00
20,700.0	89.76	359.89	10,394.0	10,588.6	-505.4	10,600.5	0.00	0.00	0.00
20,800.0	89.76	359.89	10,394.5	10,688.6	-505.6	10,700.4	0.00	0.00	0.00
20,900.0	89.76	359.89	10,394.9	10,788.6	-505.8	10,800.3	0.00	0.00	0.00
21,000.0	89.76	359.89	10,395.3	10,888.6	-506.0	10,900.3	0.00	0.00	0.00
21,100.0	89.76	359.89	10,395.7	10,988.6	-506.2	11,000.2	0.00	0.00	0.00
21,200.0	89.76	359.89	10,396.1	11,088.6	-506.4	11,100.1	0.00	0.00	0.00
21,300.0	89.76	359.89	10,396.5	11,188.6	-506.6	11,200.0	0.00	0.00	0.00
21,400.0	89.76	359.89	10,396.9	11,288.6	-506.8	11,299.9	0.00	0.00	0.00
21,500.0	89.76	359.89	10,397.3	11,388.6	-507.0	11,399.9	0.00	0.00	0.00
21,600.0	89.76	359.89	10,397.7	11,488.6	-507.2	11,499.8	0.00	0.00	0.00
21,700.0	89.76	359.89	10,398.1	11,588.6	-507.4	11,599.7	0.00	0.00	0.00
21,800.0	89.76	359.89	10,398.6	11,688.6	-507.6	11,699.6	0.00	0.00	0.00
21,900.0	89.76	359.89	10,399.0	11,788.6	-507.8	11,799.5	0.00	0.00	0.00
22,000.0	89.76	359.89	10,399.4	11,888.6	-508.0	11,899.5	0.00	0.00	0.00
22,100.0	89.76	359.89	10,399.8	11,988.6	-508.1	11,999.4	0.00	0.00	0.00
22,200.0	89.76	359.89	10,400.2	12,088.6	-508.3	12,099.3	0.00	0.00	0.00
22,264.2	89.76	359.89	10,400.5	12,152.9	-508.5	12,163.5	0.00	0.00	0.00
22,300.0	89.76	359.89	10,400.6	12,188.6	-508.5	12,199.2	0.00	0.00	0.00
22,394.2	89.76	359.89	10,401.0	12,282.8	-508.7	12,293.4	0.00	0.00	0.00

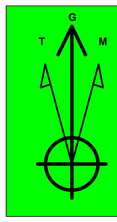
Wellbore Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (POTATO BABY ST	0.00	0.00	10,353.0	27.9	-485.1	364,112.48	581,461.83	32° 0' 2.832 N	104° 4' 13.969 W
- plan misses target center by 237.4usft at 10256.7usft MD (10181.4 TVD, 191.9 N, -485.4 E)									
- Circle (radius 50.0)									
LTP (POTATO BABY ST	0.00	0.00	10,400.5	12,152.9	-508.5	376,237.48	581,438.43	32° 2' 2.828 N	104° 4' 13.898 W
- plan hits target center									
- Point									
BHL (POTATO BABY ST	0.24	359.89	10,401.0	12,282.8	-508.3	376,367.47	581,438.55	32° 2' 4.115 N	104° 4' 13.893 W
- plan misses target center by 0.4usft at 22394.2usft MD (10401.0 TVD, 12282.8 N, -508.7 E)									
- Rectangle (sides W100.0 H12,256.1 D20.0)									

ConocoPhillips

Project:	ATLAS PROSPECT (NM-E)
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)
Well:	POTATO BABY STATE COM #903H
Wellbore:	OWB
Design:	PWP0.1
GL:	3066.5

RKB 25ft + GL 3066.5ft @ 3091.5usft



Azimuths to Grid North
True North: -0.14°
Magnetic North: 6.47°

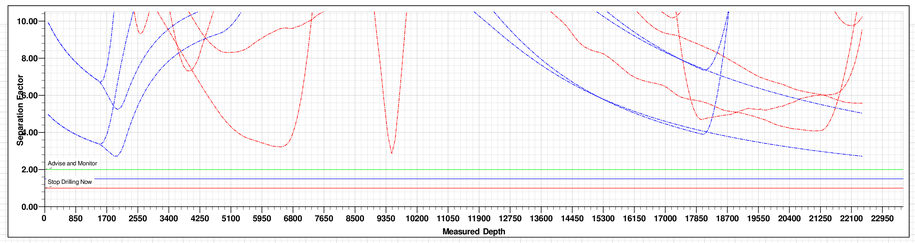
Magnetic Field
Strength: 47327.7nT
Dip Angle: 59.53°
Date: 7/1/2023
Model: BGGM2022

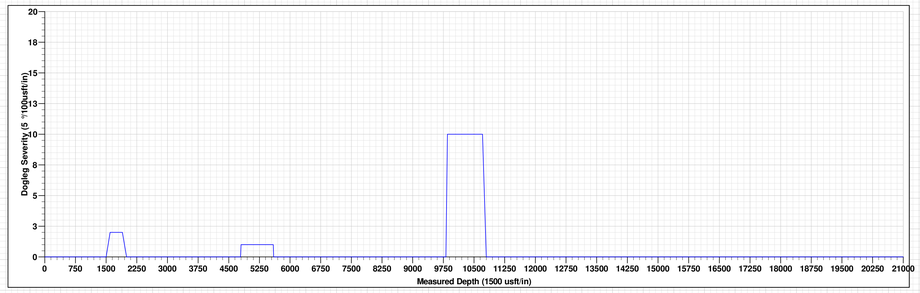
WELL DETAILS: POTATO BABY STATE COM #903H

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	364084.62	581946.89	32° 0' 2.544 N	104° 4' 8.337 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (POTATO BABY STATE COM #903H)	10353.0	27.9	-485.1	364112.48	581461.83	Circle (Radius: 50.0)
LTP (POTATO BABY STATE COM #903H)	10400.5	12152.9	-508.5	376237.48	581438.43	Point
BHL (POTATO BABY STATE COM #903H)	10401.0	12282.8	-508.3	376367.47	581438.55	Rectangle (Sides: L12256.1 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
1900.0	8.00	273.29	1898.7	1.6	-27.8	2.7	27.9	Start 2890.0 hold at 1900.0 MD
4790.0	8.00	273.29	4760.6	24.7	-429.4	42.4	430.1	Start Drop -1.00
5590.0	0.00	0.00	5558.0	27.9	-485.1	47.9	485.9	Start 4222.0 hold at 5590.0 MD
9812.1	0.00	0.00	9780.0	27.9	-485.1	47.9	485.9	Start DLS 10.00 TFO 359.89
10709.7	89.76	359.89	10353.0	598.5	-486.2	618.1	1056.5	Start 11554.5 hold at 10709.7 MD
22264.2	89.76	359.89	10400.5	12152.9	-508.5	12163.5	12610.9	Start 130.0 hold at 22264.2 MD
22394.2	89.76	359.89	10401.0	12282.8	-508.7	12293.4	12740.9	TD at 22394.2