District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 325591

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 30-015-50008

4. Property Code	5. Property Name	6. Well No.
329348	POTATO BABY STATE COM	909H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	34	26S	28E	1	415	S	725	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	22	26S	28E	D	200	N	820	W	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	3073
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	22330	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	9400	1020	0
Prod	6.75	5.5	23	22330	1671	0

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	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:	9/22/2022	Expiration Date: 9/22/2024
Date:	9/19/2022 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- 50008	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
329348	POTATO BABY STATE COM	909H

7 OGRID No.	8 Operator Name	9 Elevation
229137	COG OPERATING LLC	3073.14'

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
1	34	26-S	28-E		415'	SOUTH	725'	WEST	EDDY

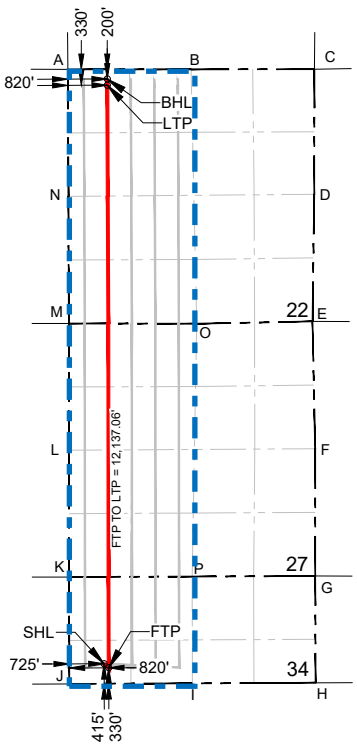
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	26-S	28-E		200'	NORTH	820'	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
765.16	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=619553.44 LAT.= 32.00112652° N
Y=364240.59 LONG.= -104.08101142° W
415' FSL, 725' FWL - SECTION 34

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=619648.77 LAT.= 32.00089346° N
Y=364156.04 LONG.= -104.08070452° W
330' FSL, 820' FWL - SECTION 34

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=619620.98 LAT.= 32.03425792° N
Y=376293.05 LONG.= -104.08070265° W
330' FNL, 820' FWL - SECTION 22

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=619620.43 LAT.= 32.03461528° N
Y=376423.04 LONG.= -104.08070342° W
200' FNL, 820' FWL - 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 9/16/2022
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

District I
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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 325591

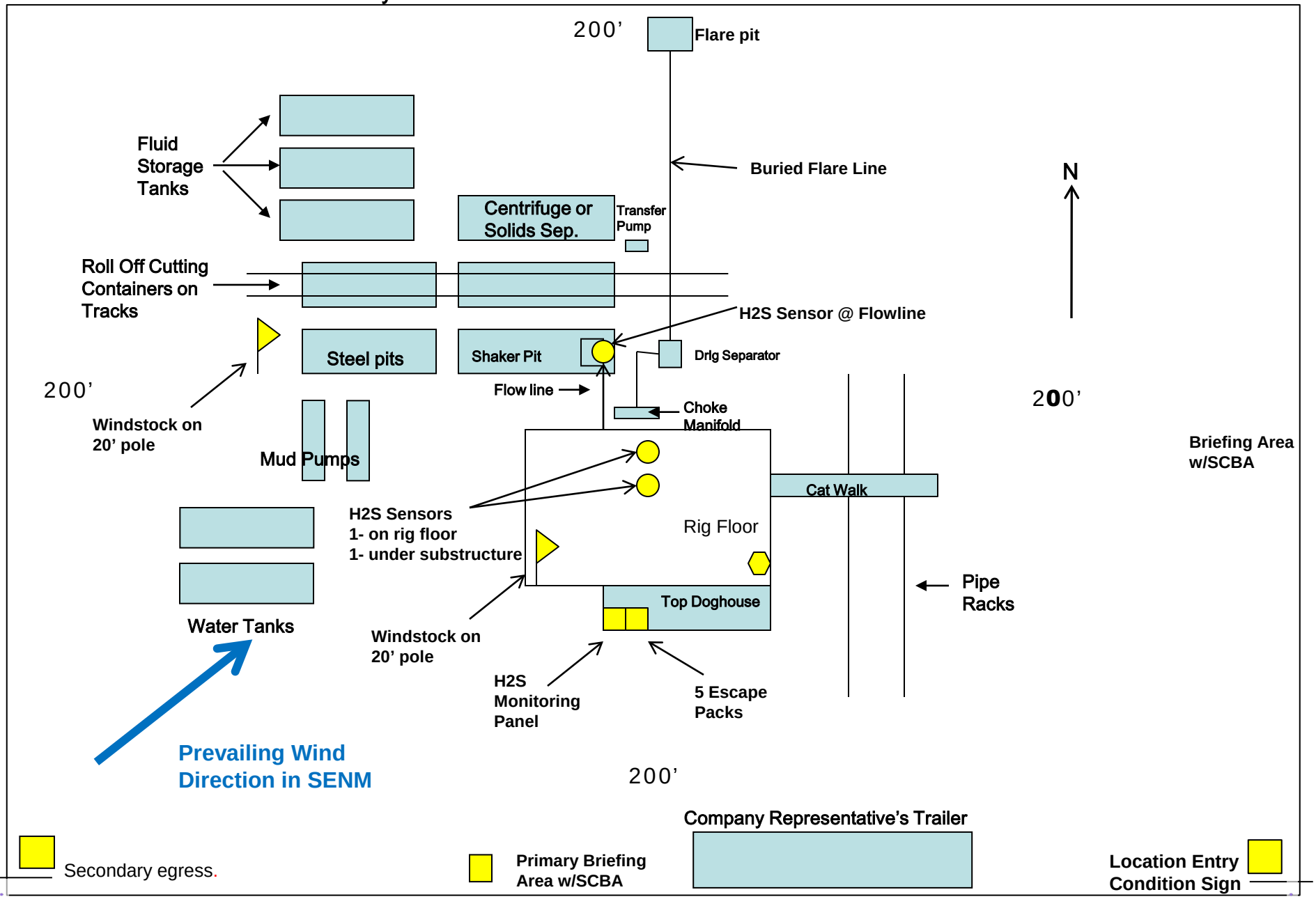
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	30-015-50008
	Well: POTATO BABY STATE COM #909H

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

CCC 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 906H	30-015	1-34-26S-28E	415 FSL & 815 FWL	± 755	± 7775	± 4740
Potato Baby State Com 907H	30-015-	1-34-26S-28E	415 FSL & 785 FWL	± 755	± 7775	± 4740
Potato Baby State Com 908H	30-015-	1-34-26S-28E	415 FSL & 755 FWL	± 755	± 7775	± 4740
Potato Baby State Com 909H	30-015-	1-34-26S-28E	415 FSL & 725 FWL	± 755	± 7775	± 4740
Potato Baby State Com 910H	30-015-	1-34-26S-28E	415 FSL & 695 FWL	± 755	± 7775	± 4740

IV. Central Delivery Point Name: Potato Baby State Com CTB SWNW (Lot 1) 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
906H, 907H, 908H, 909H, 910H						

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

Potato Baby State Com 909H

Casing and Cement

String	Hole Size	Csg OD	PPF	Depth	Sx Cement	TOC
Surface	14-3/4”	10-3/4”	45.5#	850’	655	0’
Intermediate	9-7/8x8-3/4”	7-5/8”	29.7#	9,400’	1,020	0’
Production	6-3/4”	5-1/2”	23#	22,330’	1,671	0’

Well Plan

Drill 14-3/4” hole to ~850’ w/ freshwater spud mud. Run 10-3/4” 45.5# J55 BTC casing to TD and cement to surface in one stage.

Drill tapered hole (9-7/8x8-3/4”) to ~9,400’ with cut brine. Run 7-5/8 29.7# L80 ICY x P110 CY BTC to TD and cement to surface in 2 stages.

Drill 6-3/4” vertical, curve and lateral to ~22,330’ with OBM. Run 5.5” 23# P110 CY BTC casing from TD to surface and cement to surface in one stage.

Well Control

After setting 13-3/8” casing and installing 5000 psi casing head, NU 13-5/8" Cameron BOP. Test casing to 1500 psi, annular to 2500psi and other BOP equipment to 5000 psi.

Type	Working Pressure	Test Pressure	Manufacture
Double Ram	5000 psi	5000 psi	Cameron

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
POTATO BABY STATE PROJECT (ATLAS 2628)
POTATO BABY STATE COM #909H

OWB
PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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	9,736.1	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
9,736.1	22,330.0	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
BOO RADLEY COM PROJECT						
BOO RADLEY COM #701H - OWB - AWP	9,405.0	21,889.7	1,186.6	1,060.3	9.393	SF
BOO RADLEY COM #701H - OWB - AWP	9,409.2	21,889.7	1,186.6	1,060.3	9.393	CC, ES
BOO RADLEY COM #702H - OWB - AWP						Out of range
KRAKEN ST COM PROJECT						
KRAKEN ST COM #701H - OWB - PWP1						Out of range
KRAKEN ST COM #702H - OWB - PWP1						Out of range
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP	7,945.8	7,972.8	1,264.9	1,223.2	30.286	CC
WETHERBEE #401H - OWB - AWP	8,455.0	8,475.9	1,265.8	1,222.0	28.851	ES
WETHERBEE #401H - OWB - AWP	8,700.0	8,710.5	1,267.3	1,222.6	28.367	SF
WETHERBEE #402H - OWB - AWP						Out of range
WETHERBEE #424H - OWB - AWP	10,000.0	15,475.0	1,105.2	1,048.7	19.574	SF
WETHERBEE #424H - OWB - AWP	10,135.0	15,475.0	1,088.7	1,033.8	19.823	CC, ES
WETHERBEE D ALLOCATION #408H - OWB - AWP						Out of range

ConocoPhillips

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Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #4H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #6H - OWB - AWP						Out of range
GRAHAM NASH STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #703H - OWB - AWP						Out of range
POTATO BABY STATE COM #704H - OWB - AWP	1,020.8	1,023.9	651.5	644.3	90.789	CC, ES
POTATO BABY STATE COM #704H - OWB - AWP	9,120.0	9,136.0	1,080.3	1,038.0	25.584	SF
POTATO BABY STATE COM #705H - OWB - AWP	2,926.0	2,895.9	555.9	544.6	49.174	CC
POTATO BABY STATE COM #705H - OWB - AWP	2,945.0	2,914.8	555.9	544.6	48.926	ES
POTATO BABY STATE COM #705H - OWB - AWP	22,330.0	21,737.0	978.5	779.8	4.925	SF
POTATO BABY STATE COM #706H - OWB - AWP	9,331.6	9,429.0	111.7	88.2	4.755	CC, ES
POTATO BABY STATE COM #706H - OWB - AWP	22,330.0	21,821.0	781.4	583.5	3.949	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #905H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #906H - OWB - PWP0.1	1,500.0	1,499.4	90.1	81.3	10.152	CC
POTATO BABY STATE COM #906H - OWB - PWP0.1	1,520.0	1,518.8	90.2	81.2	10.080	ES
POTATO BABY STATE COM #906H - OWB - PWP0.1	1,800.0	1,790.0	94.3	84.3	9.412	SF
POTATO BABY STATE COM #907H - OWB - PWP0.1	1,500.0	1,499.6	60.0	51.1	6.757	CC
POTATO BABY STATE COM #907H - OWB - PWP0.1	1,520.0	1,519.2	60.0	51.1	6.709	ES
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,330.0	22,444.7	980.5	788.5	5.107	SF
POTATO BABY STATE COM #908H - OWB - PWP0.1	1,500.0	1,499.9	30.2	21.3	3.398	CC
POTATO BABY STATE COM #908H - OWB - PWP0.1	1,520.0	1,519.7	30.2	21.2	3.375	ES
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,330.0	22,566.1	537.2	347.9	2.839	SF
POTATO BABY STATE COM #910H - OWB - PWP0.1	1,437.3	1,437.8	30.0	21.2	3.421	CC
POTATO BABY STATE COM #910H - OWB - PWP0.1	1,500.0	1,500.0	30.0	21.1	3.381	ES
POTATO BABY STATE COM #910H - OWB - PWP0.1	22,330.0	22,533.3	525.7	334.8	2.753	SF
SRO STATE #53H - ST01 - AWP						Out of range
SRO STATE #62H - OWB - AWP						Out of range
SRO STATE COM #63H - OWB - AWP						Out of range
SRO STATE COM #64H - OWB - AWP	22,330.0	16,852.0	1,184.0	1,036.8	8.043	CC, ES, SF

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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
BOO RADLEY COM PROJECT						
BOO RADLEY COM #701H - OWB - AWP	22,330.0	10,128.0				Out of Range @TD
BOO RADLEY COM #702H - OWB - AWP	22,330.0	9,741.0				Out of Range @TD
KRAKEN ST COM PROJECT						
KRAKEN ST COM #701H - OWB - PWP1	22,330.0	25,252.5				Out of Range @TD
KRAKEN ST COM #702H - OWB - PWP1	22,330.0	25,286.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD	22,330.0	10,334.9				Out of Range @TD
WETHERBEE #401H - OWB - AWP	22,330.0	9,007.0				Out of Range @TD
WETHERBEE #402H - OWB - AWP	22,330.0	9,498.4				Out of Range @TD
WETHERBEE #424H - OWB - AWP	22,330.0	15,475.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	22,330.0	7,531.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #4H - OWB - AWP	22,330.0	8,134.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #6H - OWB - AWP	22,330.0	8,225.0				Out of Range @TD
GRAHAM NASH STATE COM #5H - OWB - AWP	22,330.0	14,810.0				Out of Range @TD
POTATO BABY STATE COM #703H - OWB - AWP	22,330.0	21,950.0				Out of Range @TD
POTATO BABY STATE COM #704H - OWB - AWP	22,330.0	21,915.0				Out of Range @TD
POTATO BABY STATE COM #705H - OWB - AWP	22,330.0	21,737.0	978.5	779.8	4.925	SF
POTATO BABY STATE COM #706H - OWB - AWP	22,330.0	21,821.0	781.4	583.5	3.949	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	22,330.0	22,663.2				Out of Range @TD
POTATO BABY STATE COM #905H - OWB - PWP0.1	22,330.0	22,170.0				Out of Range @TD
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,330.0	22,723.5				Out of Range @TD
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,330.0	22,444.7	980.5	788.5	5.107	SF
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,330.0	22,566.1	537.2	347.9	2.839	SF
POTATO BABY STATE COM #910H - OWB - PWP0.1	22,330.0	22,533.3	525.7	334.8	2.753	SF
SRO STATE #53H - ST01 - AWP	22,330.0	12,667.0				Out of Range @TD
SRO STATE #62H - OWB - AWP	22,330.0	12,575.0				Out of Range @TD
SRO STATE COM #63H - OWB - AWP	22,330.0	15,676.0				Out of Range @TD
SRO STATE COM #64H - OWB - AWP	22,330.0	16,852.0	1,184.0	1,036.8	8.043	CC, ES, SF

ConocoPhillips

Anticollision Report

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Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: BOO RADLEY COM PROJECT - BOO RADLEY COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-MWD+IFR1+FDIR, 8801-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
8,835.0	8,829.9	21,887.8	9,319.0	13.7	113.3	-88.55	-54.6	-1,090.9	1,318.2	1,193.5	124.69	10.572	
8,900.0	8,894.9	21,888.0	9,319.0	13.8	113.3	-88.56	-54.8	-1,090.9	1,291.2	1,166.2	125.04	10.327	
8,930.0	8,924.9	21,888.1	9,319.0	13.8	113.3	-88.57	-54.9	-1,090.9	1,279.7	1,154.5	125.19	10.222	
9,000.0	8,994.9	21,888.3	9,319.0	13.9	113.3	-88.58	-55.1	-1,090.9	1,255.2	1,129.7	125.51	10.001	
9,025.0	9,019.9	21,888.4	9,319.0	13.9	113.3	-88.58	-55.2	-1,090.9	1,247.2	1,121.6	125.61	9.929	
9,100.0	9,094.9	21,888.7	9,319.0	13.9	113.3	-88.59	-55.4	-1,090.9	1,226.2	1,100.3	125.88	9.741	
9,120.0	9,114.9	21,888.7	9,319.0	14.0	113.3	-88.60	-55.5	-1,090.9	1,221.3	1,095.4	125.95	9.697	
9,200.0	9,194.9	21,889.0	9,319.0	14.0	113.3	-88.61	-55.8	-1,090.9	1,204.9	1,078.7	126.15	9.551	
9,215.0	9,209.9	21,889.1	9,319.0	14.0	113.3	-88.61	-55.8	-1,090.9	1,202.4	1,076.2	126.18	9.529	
9,300.0	9,294.9	21,889.3	9,319.0	14.1	113.3	-88.63	-56.1	-1,090.9	1,191.6	1,065.3	126.30	9.435	
9,310.0	9,304.9	21,889.4	9,319.0	14.1	113.3	-88.63	-56.1	-1,090.9	1,190.7	1,064.4	126.30	9.427	
9,400.0	9,394.9	21,889.7	9,319.0	14.2	113.3	-88.64	-56.5	-1,090.9	1,186.6	1,060.3	126.32	9.393	
9,405.0	9,399.9	21,889.7	9,319.0	14.2	113.3	-88.64	-56.5	-1,090.9	1,186.6	1,060.3	126.32	9.393	SF
9,409.2	9,404.2	21,889.7	9,319.0	14.2	113.3	-88.64	-56.5	-1,090.9	1,186.6	1,060.3	126.32	9.393	CC, ES
9,500.0	9,494.9	21,890.0	9,319.0	14.2	113.3	-88.66	-56.8	-1,090.9	1,190.0	1,063.8	126.25	9.426	
9,595.0	9,589.9	21,890.4	9,319.0	14.3	113.3	-88.68	-57.1	-1,090.9	1,201.0	1,074.9	126.09	9.525	
9,600.0	9,594.9	21,890.4	9,319.0	14.3	113.3	-88.68	-57.2	-1,090.9	1,201.8	1,075.7	126.08	9.532	
9,690.0	9,684.9	21,890.7	9,319.0	14.4	113.3	-88.69	-57.5	-1,090.9	1,219.3	1,093.5	125.87	9.687	
9,700.0	9,694.9	21,890.7	9,319.0	14.4	113.3	-88.69	-57.5	-1,090.9	1,221.7	1,095.8	125.85	9.707	
9,736.1	9,731.0	21,890.9	9,319.0	14.4	113.3	-88.70	-57.6	-1,091.0	1,230.8	1,105.1	125.71	9.790	
9,750.0	9,744.9	21,890.7	9,319.0	14.4	113.3	-88.17	-57.5	-1,090.9	1,234.5	1,108.9	125.67	9.824	
9,785.0	9,779.9	21,888.9	9,319.0	14.4	113.3	-87.04	-55.7	-1,090.9	1,244.6	1,119.0	125.53	9.914	
9,800.0	9,794.8	21,887.4	9,319.0	14.4	113.3	-86.49	-54.2	-1,090.9	1,249.1	1,123.7	125.47	9.956	
9,850.0	9,844.2	21,879.6	9,318.9	14.5	113.2	-84.42	-46.4	-1,090.7	1,265.3	1,140.0	125.24	10.103	
9,880.0	9,873.4	21,872.8	9,318.9	14.5	113.1	-83.01	-39.5	-1,090.5	1,275.6	1,150.5	125.08	10.198	
9,900.0	9,892.7	21,867.3	9,318.9	14.6	113.1	-82.00	-34.1	-1,090.4	1,282.7	1,157.7	124.97	10.264	
9,950.0	9,940.0	21,850.6	9,318.9	14.6	113.0	-79.31	-17.3	-1,090.0	1,301.0	1,176.4	124.68	10.435	
9,975.0	9,963.1	21,840.6	9,318.9	14.6	112.9	-77.88	-7.3	-1,089.8	1,310.5	1,186.0	124.52	10.524	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,400.0	6,394.9	6,475.3	6,472.6	12.0	23.5	130.43	-939.8	1,099.0	1,319.5	1,284.2	35.37	37.303	
6,460.0	6,454.9	6,541.7	6,538.9	12.0	23.7	130.48	-938.8	1,096.2	1,317.1	1,281.4	35.64	36.954	
6,500.0	6,494.9	6,583.9	6,581.0	12.0	23.9	130.50	-938.0	1,094.5	1,315.3	1,279.5	35.81	36.728	
6,555.0	6,549.9	6,642.0	6,639.1	12.1	24.1	130.53	-936.8	1,092.1	1,312.8	1,276.8	36.05	36.417	
6,600.0	6,594.9	6,689.5	6,686.5	12.1	24.2	130.55	-935.6	1,090.0	1,310.7	1,274.4	36.24	36.164	
6,650.0	6,644.9	6,737.1	6,734.1	12.1	24.4	130.57	-934.4	1,088.0	1,308.3	1,271.8	36.44	35.897	
6,700.0	6,694.9	6,783.5	6,780.4	12.2	24.5	130.58	-933.3	1,086.2	1,306.0	1,269.3	36.64	35.641	
6,745.0	6,739.9	6,825.6	6,822.5	12.2	24.7	130.59	-932.2	1,084.8	1,304.0	1,267.2	36.82	35.415	
6,800.0	6,794.9	6,877.3	6,874.2	12.2	24.9	130.59	-930.8	1,083.1	1,301.8	1,264.8	37.04	35.145	
6,840.0	6,834.9	6,916.4	6,913.2	12.3	25.0	130.58	-929.8	1,082.0	1,300.2	1,263.0	37.20	34.949	
6,900.0	6,894.9	6,978.3	6,975.0	12.3	25.2	130.57	-928.0	1,080.4	1,297.9	1,260.4	37.46	34.650	
6,935.0	6,929.9	7,015.6	7,012.3	12.3	25.3	130.56	-926.7	1,079.4	1,296.4	1,258.8	37.61	34.474	
7,000.0	6,994.9	7,088.3	7,084.9	12.4	25.6	130.51	-923.7	1,077.7	1,293.5	1,255.6	37.89	34.137	
7,030.0	7,024.9	7,118.9	7,115.5	12.4	25.7	130.48	-922.2	1,077.0	1,292.0	1,254.0	38.02	33.986	
7,100.0	7,094.9	7,186.6	7,183.1	12.5	25.9	130.39	-918.7	1,075.7	1,288.7	1,250.4	38.30	33.650	
7,125.0	7,119.9	7,209.7	7,206.2	12.5	26.0	130.36	-917.4	1,075.4	1,287.5	1,249.1	38.39	33.534	
7,200.0	7,194.9	7,275.3	7,271.7	12.5	26.2	130.27	-914.1	1,074.7	1,284.4	1,245.7	38.68	33.208	
7,220.0	7,214.9	7,292.8	7,289.2	12.6	26.3	130.24	-913.3	1,074.5	1,283.6	1,244.9	38.75	33.124	
7,300.0	7,294.9	7,363.9	7,360.2	12.6	26.5	130.16	-910.3	1,074.0	1,281.0	1,242.0	39.05	32.800	
7,315.0	7,309.9	7,377.2	7,373.5	12.6	26.5	130.14	-909.8	1,073.9	1,280.6	1,241.5	39.11	32.742	
7,400.0	7,394.9	7,457.0	7,453.3	12.7	26.8	130.07	-907.3	1,073.3	1,278.4	1,239.0	39.44	32.410	
7,410.0	7,404.9	7,466.6	7,462.9	12.7	26.8	130.06	-907.0	1,073.3	1,278.2	1,238.7	39.48	32.371	
7,500.0	7,494.9	7,559.8	7,556.0	12.8	27.2	130.01	-904.7	1,072.3	1,276.0	1,236.2	39.87	32.007	
7,505.0	7,499.9	7,565.2	7,561.4	12.8	27.2	130.01	-904.6	1,072.2	1,275.9	1,236.0	39.89	31.986	
7,600.0	7,594.9	7,672.3	7,668.5	12.8	27.5	130.07	-903.5	1,068.8	1,273.0	1,232.6	40.34	31.555	
7,695.0	7,689.9	7,767.2	7,763.3	12.9	27.9	130.23	-903.9	1,063.8	1,269.4	1,228.6	40.78	31.125	
7,700.0	7,694.9	7,772.0	7,768.0	12.9	27.9	130.24	-903.9	1,063.6	1,269.2	1,228.4	40.81	31.103	
7,790.0	7,784.9	7,845.7	7,841.6	13.0	28.2	130.42	-905.5	1,059.2	1,266.5	1,225.3	41.17	30.762	
7,800.0	7,794.9	7,853.3	7,849.1	13.0	28.2	130.44	-905.7	1,058.8	1,266.2	1,225.0	41.21	30.729	
7,885.0	7,879.9	7,920.1	7,915.8	13.0	28.5	130.63	-908.3	1,055.5	1,265.1	1,223.6	41.53	30.465	
7,900.0	7,894.9	7,933.1	7,928.8	13.0	28.5	130.67	-908.9	1,054.9	1,265.1	1,223.5	41.59	30.420	
7,945.8	7,940.7	7,972.8	7,968.4	13.1	28.7	130.78	-910.8	1,053.2	1,264.9	1,223.2	41.77	30.286	CC
7,980.0	7,974.9	8,002.7	7,998.2	13.1	28.8	130.87	-912.2	1,052.0	1,265.0	1,223.1	41.90	30.191	
8,000.0	7,994.9	8,021.7	8,017.2	13.1	28.9	130.92	-913.2	1,051.3	1,265.1	1,223.1	41.98	30.135	
8,075.0	8,069.9	8,093.1	8,088.5	13.2	29.1	131.09	-916.3	1,049.1	1,265.5	1,223.2	42.28	29.932	
8,100.0	8,094.9	8,118.7	8,114.1	13.2	29.2	131.14	-917.3	1,048.5	1,265.7	1,223.3	42.39	29.861	
8,170.0	8,164.9	8,192.4	8,187.7	13.2	29.5	131.28	-919.8	1,046.7	1,266.1	1,223.4	42.69	29.657	
8,200.0	8,194.9	8,225.4	8,220.6	13.3	29.6	131.34	-920.8	1,046.0	1,266.1	1,223.3	42.83	29.565	
8,265.0	8,259.9	8,297.7	8,292.9	13.3	29.8	131.45	-922.7	1,044.2	1,266.1	1,222.9	43.12	29.359	
8,300.0	8,294.9	8,332.0	8,327.2	13.3	29.9	131.51	-923.5	1,043.4	1,265.9	1,222.7	43.27	29.258	
8,360.0	8,354.9	8,390.4	8,385.6	13.4	30.1	131.59	-924.7	1,042.0	1,265.7	1,222.2	43.51	29.089	
8,394.9	8,389.8	8,422.3	8,417.5	13.4	30.3	131.63	-925.4	1,041.3	1,265.7	1,222.0	43.65	28.997	
8,400.0	8,394.9	8,426.9	8,422.0	13.4	30.3	131.64	-925.5	1,041.2	1,265.7	1,222.0	43.67	28.985	
8,455.0	8,449.9	8,475.9	8,471.0	13.5	30.4	131.71	-926.8	1,040.3	1,265.8	1,222.0	43.88	28.851	ES
8,500.0	8,494.9	8,517.0	8,512.1	13.5	30.6	131.78	-928.1	1,039.5	1,266.2	1,222.1	44.05	28.744	
8,550.0	8,544.9	8,564.4	8,559.5	13.5	30.7	131.85	-929.6	1,038.7	1,266.6	1,222.4	44.25	28.626	
8,600.0	8,594.9	8,618.4	8,613.4	13.6	30.9	131.94	-931.5	1,037.8	1,267.2	1,222.7	44.47	28.495	
8,645.0	8,639.9	8,677.3	8,672.3	13.6	31.1	132.05	-933.2	1,036.3	1,267.2	1,222.5	44.64	28.388	
8,664.4	8,659.3	8,692.0	8,687.0	13.6	31.1	132.07	-933.5	1,035.9	1,267.1	1,222.5	44.65	28.377	
8,700.0	8,694.9	8,710.5	8,705.5	13.6	31.1	132.08	-933.9	1,035.8	1,267.3	1,222.6	44.68	28.367	SF
8,740.0	8,734.9	8,723.0	8,718.0	13.7	31.1	132.09	-934.1	1,035.9	1,268.2	1,223.5	44.69	28.376	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,800.0	8,794.9	8,755.0	8,749.9	13.7	31.1	132.05	-934.3	1,037.5	1,270.8	1,226.1	44.73	28.413	
8,835.0	8,829.9	8,769.6	8,764.5	13.7	31.1	132.01	-934.3	1,038.8	1,273.1	1,228.4	44.74	28.455	
8,900.0	8,894.9	8,799.6	8,794.3	13.8	31.1	131.91	-934.4	1,042.3	1,278.8	1,234.0	44.76	28.572	
8,930.0	8,924.9	8,818.0	8,812.5	13.8	31.1	131.83	-934.5	1,044.8	1,282.0	1,237.2	44.77	28.637	
9,000.0	8,994.9	8,849.0	8,843.1	13.9	31.1	131.68	-934.5	1,049.9	1,290.7	1,245.9	44.76	28.838	
9,025.0	9,019.9	8,849.0	8,843.1	13.9	31.1	131.68	-934.5	1,049.9	1,294.4	1,249.7	44.72	28.943	
9,100.0	9,094.9	8,880.0	8,873.3	13.9	31.1	131.46	-934.1	1,056.9	1,307.1	1,262.4	44.70	29.244	
9,120.0	9,114.9	8,880.0	8,873.3	14.0	31.1	131.46	-934.1	1,056.9	1,311.1	1,266.4	44.66	29.357	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #424H - OWB - AWP — **Offset Site Error:** 0.0 usft

Survey Program: 100-Standard Keeper 104, 9729-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
9,595.0	9,589.9	15,475.0	10,471.5	14.3	42.9	107.91	-384.9	1,024.9	1,309.9	1,250.8	59.09	22.169	
9,600.0	9,594.9	15,475.0	10,471.5	14.3	42.9	107.91	-384.9	1,024.9	1,306.6	1,247.5	59.07	22.119	
9,690.0	9,684.9	15,475.0	10,471.5	14.4	42.9	107.91	-384.9	1,024.9	1,248.6	1,189.9	58.73	21.259	
9,700.0	9,694.9	15,475.0	10,471.5	14.4	42.9	107.91	-384.9	1,024.9	1,242.4	1,183.7	58.69	21.169	
9,736.1	9,731.0	15,475.0	10,471.5	14.4	42.9	107.91	-384.9	1,024.9	1,220.4	1,162.0	58.48	20.870	
9,750.0	9,744.9	15,475.0	10,471.5	14.4	42.9	109.01	-384.9	1,024.9	1,212.2	1,153.8	58.41	20.754	
9,785.0	9,779.9	15,475.0	10,471.5	14.4	42.9	111.27	-384.9	1,024.9	1,192.4	1,134.1	58.22	20.480	
9,800.0	9,794.8	15,475.0	10,471.5	14.4	42.9	112.17	-384.9	1,024.9	1,184.2	1,126.1	58.13	20.372	
9,850.0	9,844.2	15,475.0	10,471.5	14.5	42.9	114.82	-384.9	1,024.9	1,159.2	1,101.4	57.79	20.057	
9,880.0	9,873.4	15,475.0	10,471.5	14.5	42.9	116.19	-384.9	1,024.9	1,145.7	1,088.1	57.57	19.903	
9,900.0	9,892.7	15,475.0	10,471.5	14.6	42.9	117.00	-384.9	1,024.9	1,137.4	1,080.0	57.40	19.815	
9,950.0	9,940.0	15,475.0	10,471.5	14.6	42.9	118.72	-384.9	1,024.9	1,119.3	1,062.4	56.96	19.652	
9,975.0	9,963.1	15,475.0	10,471.5	14.6	42.9	119.42	-384.9	1,024.9	1,111.7	1,055.0	56.72	19.602	
10,000.0	9,985.7	15,475.0	10,471.5	14.7	42.9	120.01	-384.9	1,024.9	1,105.2	1,048.7	56.46	19.574 SF	
10,050.0	10,029.4	15,475.0	10,471.5	14.7	42.9	120.88	-384.9	1,024.9	1,095.3	1,039.4	55.92	19.586	
10,070.0	10,046.3	15,475.0	10,471.5	14.8	42.9	121.11	-384.9	1,024.9	1,092.6	1,036.9	55.70	19.617	
10,100.0	10,070.9	15,475.0	10,471.5	14.8	42.9	121.35	-384.9	1,024.9	1,089.8	1,034.5	55.35	19.692	
10,135.0	10,098.4	15,475.0	10,471.5	14.9	42.9	121.44	-384.9	1,024.9	1,088.7	1,033.8	54.92	19.823 CC, ES	
10,150.0	10,109.9	15,475.0	10,471.5	14.9	42.9	121.42	-384.9	1,024.9	1,088.9	1,034.2	54.74	19.894	
10,165.0	10,121.0	15,475.0	10,471.5	14.9	42.9	121.37	-384.9	1,024.9	1,089.5	1,035.0	54.55	19.974	
10,200.0	10,145.9	15,475.0	10,471.5	15.0	42.9	121.11	-384.9	1,024.9	1,092.6	1,038.5	54.10	20.195	
10,250.0	10,178.7	15,475.0	10,471.5	15.0	42.9	120.40	-384.9	1,024.9	1,100.7	1,047.3	53.45	20.594	
10,260.0	10,184.9	15,475.0	10,471.5	15.0	42.9	120.21	-384.9	1,024.9	1,102.9	1,049.6	53.32	20.686	
10,300.0	10,208.2	15,475.0	10,471.5	15.1	42.9	119.28	-384.9	1,024.9	1,113.2	1,060.4	52.78	21.090	
10,350.0	10,234.0	15,475.0	10,471.5	15.2	42.9	117.74	-384.9	1,024.9	1,129.7	1,077.6	52.11	21.679	
10,355.0	10,236.4	15,475.0	10,471.5	15.2	42.9	117.56	-384.9	1,024.9	1,131.6	1,079.6	52.04	21.743	
10,400.0	10,256.0	15,475.0	10,471.5	15.2	42.9	115.75	-384.9	1,024.9	1,150.1	1,098.7	51.44	22.359	
10,450.0	10,274.0	15,475.0	10,471.5	15.3	42.9	113.29	-384.9	1,024.9	1,173.9	1,123.1	50.77	23.123	
10,500.0	10,287.9	15,475.0	10,471.5	15.3	42.9	110.33	-384.9	1,024.9	1,200.7	1,150.6	50.10	23.966	
10,545.0	10,296.8	15,475.0	10,471.5	15.4	42.9	107.23	-384.9	1,024.9	1,227.2	1,177.7	49.51	24.785	
10,550.0	10,297.5	15,475.0	10,471.5	15.4	42.9	106.86	-384.9	1,024.9	1,230.3	1,180.8	49.45	24.879	
10,600.0	10,302.9	15,475.0	10,471.5	15.4	42.9	102.88	-384.9	1,024.9	1,262.1	1,213.3	48.81	25.855	
10,634.6	10,304.0	15,475.0	10,471.5	15.5	42.9	99.83	-384.9	1,024.9	1,285.2	1,236.8	48.38	26.563	
10,640.0	10,304.0	15,475.0	10,471.5	15.5	42.9	99.83	-384.9	1,024.9	1,288.9	1,240.5	48.32	26.675	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #704H - OWB - AWP — **Offset Site Error:** 3.0 usft

Survey Program: 100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference 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	3.0	3.0	3.0	3.0	92.77	-32.0	660.0	660.7				
95.0	95.0	102.3	102.3	3.0	3.0	92.72	-31.4	659.7	660.4	654.4	6.02	109.747	
100.0	100.0	107.7	107.7	3.0	3.0	92.72	-31.3	659.6	660.4	654.4	6.02	109.687	
190.0	190.0	200.8	200.8	3.1	3.0	92.61	-30.0	658.7	659.4	653.3	6.13	107.589	
200.0	200.0	210.3	210.2	3.1	3.0	92.60	-29.9	658.5	659.3	653.1	6.15	107.265	
266.0	266.0	269.2	269.2	3.2	3.0	92.54	-29.2	658.2	658.8	652.6	6.22	105.863	
285.0	285.0	286.1	286.1	3.3	3.0	92.53	-29.1	658.2	658.9	652.6	6.25	105.455	
300.0	300.0	300.0	300.0	3.3	3.0	92.54	-29.1	658.3	658.9	652.6	6.27	105.130	
380.0	380.0	372.9	372.9	3.4	3.0	92.60	-29.9	659.0	659.7	653.4	6.36	103.752	
400.0	400.0	392.8	392.7	3.4	3.0	92.62	-30.2	659.3	660.0	653.7	6.38	103.394	
475.0	475.0	473.5	473.4	3.5	3.0	92.73	-31.5	660.2	660.9	654.5	6.47	102.147	
500.0	500.0	501.5	501.5	3.5	3.0	92.75	-31.8	660.3	661.1	654.6	6.50	101.681	
570.0	570.0	582.7	582.6	3.6	3.0	92.79	-32.1	659.7	660.6	654.0	6.58	100.374	
600.0	600.0	615.5	615.4	3.6	3.0	92.79	-32.1	659.2	660.1	653.5	6.62	99.757	
665.0	665.0	688.4	688.3	3.7	3.0	92.77	-31.8	657.3	658.4	651.7	6.69	98.387	
700.0	700.0	723.0	722.9	3.8	3.0	92.76	-31.6	656.2	657.3	650.5	6.73	97.602	
760.0	760.0	779.6	779.5	3.8	3.0	92.75	-31.5	654.7	655.6	648.8	6.80	96.360	
800.0	800.0	817.7	817.5	3.9	3.1	92.76	-31.5	653.8	654.7	647.8	6.85	95.549	
855.0	855.0	870.2	870.1	4.0	3.1	92.78	-31.7	652.7	653.6	646.6	6.92	94.481	
900.0	900.0	914.2	914.0	4.0	3.1	92.80	-31.9	651.9	652.8	645.8	6.98	93.483	
950.0	950.0	962.0	961.8	4.1	3.1	92.83	-32.2	651.1	652.0	644.9	7.06	92.386	
1,000.0	1,000.0	1,005.7	1,005.5	4.1	3.1	92.87	-32.6	650.7	651.5	644.4	7.14	91.241	
1,020.8	1,020.8	1,023.9	1,023.7	4.2	3.2	92.89	-32.8	650.6	651.5	644.3	7.18	90.789	CC, ES
1,045.0	1,045.0	1,046.0	1,045.8	4.2	3.2	92.92	-33.2	650.7	651.5	644.3	7.22	90.262	
1,100.0	1,100.0	1,089.5	1,089.3	4.2	3.2	93.00	-34.1	651.2	652.2	644.9	7.32	89.144	
1,140.0	1,140.0	1,121.8	1,121.6	4.3	3.3	93.07	-35.0	652.0	653.3	645.9	7.39	88.409	
1,200.0	1,200.0	1,171.5	1,171.2	4.4	3.3	93.22	-36.8	653.9	655.7	648.2	7.51	87.348	
1,235.0	1,235.0	1,200.8	1,200.4	4.4	3.4	93.30	-37.8	655.4	657.6	650.0	7.58	86.772	
1,300.0	1,300.0	1,256.6	1,256.1	4.5	3.5	93.46	-39.9	658.9	661.8	654.0	7.72	85.720	
1,330.0	1,330.0	1,283.0	1,282.4	4.5	3.5	93.53	-40.8	660.8	664.0	656.2	7.79	85.244	
1,400.0	1,400.0	1,344.4	1,343.6	4.6	3.6	93.67	-42.7	665.7	669.7	661.8	7.96	84.172	
1,425.0	1,425.0	1,366.2	1,365.3	4.6	3.7	93.72	-43.4	667.7	672.0	664.0	8.02	83.810	
1,500.0	1,500.0	1,431.9	1,430.6	4.7	3.8	93.87	-45.6	674.1	679.5	671.3	8.21	82.766	
1,520.0	1,520.0	1,449.6	1,448.2	4.7	3.8	-37.64	-46.3	676.0	681.6	673.3	8.27	82.369	
1,600.0	1,600.0	1,522.6	1,520.7	4.9	4.0	-37.38	-49.7	684.2	689.5	681.0	8.56	80.600	
1,615.0	1,615.0	1,538.1	1,536.0	4.9	4.0	-37.34	-50.5	686.0	690.9	682.2	8.63	80.087	
1,700.0	1,699.8	1,629.4	1,626.6	5.1	4.3	-37.16	-55.6	696.2	697.0	688.0	9.06	76.949	
1,710.0	1,709.8	1,641.4	1,638.5	5.1	4.3	-37.15	-56.3	697.4	697.5	688.4	9.10	76.648	
1,749.9	1,749.6	1,689.2	1,686.0	5.2	4.4	-37.15	-58.7	702.1	699.0	689.7	9.27	75.409	
1,800.0	1,799.5	1,749.2	1,745.8	5.2	4.6	-37.23	-61.3	707.2	699.9	690.4	9.49	73.788	
1,805.0	1,804.5	1,755.1	1,751.7	5.2	4.6	-37.24	-61.5	707.6	700.0	690.5	9.51	73.586	
1,900.0	1,899.1	1,852.8	1,849.1	5.4	4.9	-37.39	-65.4	714.6	700.4	690.5	9.97	70.222	
1,995.0	1,993.8	1,933.5	1,929.4	5.6	5.1	-37.45	-69.4	721.0	701.8	691.4	10.40	67.498	
2,000.0	1,998.7	1,937.4	1,933.3	5.6	5.1	-37.45	-69.6	721.4	701.9	691.5	10.42	67.371	
2,090.0	2,088.4	2,019.9	2,015.2	5.9	5.3	-37.46	-74.5	730.0	705.4	694.5	10.86	64.974	
2,100.0	2,098.4	2,031.0	2,026.2	5.9	5.4	-37.46	-75.1	731.1	705.8	694.8	10.91	64.670	
2,185.0	2,183.0	2,122.6	2,117.2	6.1	5.7	-37.47	-80.5	740.0	708.4	697.0	11.39	62.179	
2,200.0	2,198.0	2,138.3	2,132.8	6.1	5.7	-37.48	-81.4	741.4	708.9	697.4	11.48	61.760	
2,280.0	2,277.7	2,208.3	2,202.4	6.4	5.9	-37.50	-85.3	748.1	711.3	699.4	11.88	59.879	
2,300.0	2,297.6	2,223.7	2,217.6	6.4	6.0	-37.51	-86.1	749.8	712.2	700.2	11.97	59.493	
2,375.0	2,372.3	2,282.0	2,275.5	6.6	6.2	-37.55	-89.3	757.1	716.6	704.3	12.32	58.162	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference 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
2,400.0	2,397.2	2,302.4	2,295.6	6.7	6.2	-37.56	-90.3	759.9	718.5	706.0	12.44	57.743	
2,470.0	2,466.9	2,361.0	2,353.5	6.9	6.4	-37.63	-93.3	768.8	724.5	711.7	12.79	56.638	
2,500.0	2,496.8	2,396.1	2,388.1	7.0	6.5	-37.68	-94.8	774.2	727.2	714.2	12.99	55.989	
2,565.0	2,561.6	2,475.9	2,467.1	7.2	6.8	-37.84	-97.8	785.4	732.0	718.6	13.43	54.495	
2,600.0	2,596.5	2,516.3	2,507.1	7.3	6.9	-37.94	-99.0	790.6	734.1	720.5	13.66	53.747	
2,660.0	2,656.2	2,582.4	2,572.7	7.5	7.1	-38.12	-100.7	798.5	737.2	723.2	14.04	52.528	
2,700.0	2,696.1	2,624.6	2,614.6	7.6	7.3	-38.25	-101.5	803.3	739.1	724.9	14.28	51.766	
2,755.0	2,750.9	2,680.5	2,670.2	7.8	7.5	-38.44	-102.5	809.6	741.6	727.0	14.61	50.776	
2,800.0	2,795.7	2,725.5	2,714.9	7.9	7.6	-38.60	-103.2	814.6	743.6	728.8	14.87	50.007	
2,837.2	2,832.8	2,763.2	2,752.3	8.0	7.8	-38.73	-103.7	818.9	745.3	730.2	15.07	49.467	
2,850.0	2,845.5	2,776.2	2,765.2	8.1	7.8	-38.78	-103.9	820.3	745.9	730.7	15.14	49.274	
2,900.0	2,895.3	2,827.1	2,815.9	8.2	8.0	-38.96	-104.5	825.9	748.3	732.9	15.41	48.545	
2,945.0	2,940.2	2,873.5	2,862.0	8.3	8.1	-39.11	-105.1	831.0	750.7	735.0	15.68	47.862	
3,000.0	2,995.1	2,930.3	2,918.4	8.5	8.3	-39.28	-105.6	837.0	753.8	737.8	16.02	47.070	
3,040.0	3,035.0	2,972.0	2,959.9	8.6	8.5	-39.39	-106.0	841.4	756.3	740.1	16.25	46.530	
3,100.0	3,095.0	3,035.0	3,022.5	8.8	8.7	-39.53	-106.6	847.7	760.2	743.6	16.62	45.756	
3,135.0	3,130.0	3,072.7	3,060.1	8.9	8.8	-39.60	-107.0	851.4	762.6	745.8	16.82	45.327	
3,200.0	3,194.9	3,142.4	3,129.5	9.1	9.0	-39.69	-107.7	857.8	767.1	749.9	17.21	44.564	
3,230.0	3,224.9	3,174.3	3,161.3	9.2	9.1	-39.72	-108.0	860.6	769.3	751.9	17.39	44.249	
3,300.0	3,294.9	3,239.9	3,226.6	9.4	9.4	-39.77	-108.6	866.2	774.6	756.9	17.75	43.634	
3,325.0	3,319.9	3,260.0	3,246.7	9.4	9.4	-39.77	-108.8	868.1	776.9	759.1	17.84	43.552	
3,337.1	3,332.0	3,269.8	3,256.3	9.4	9.5	91.81	-108.9	869.1	778.1	760.2	17.88	43.517	
3,400.0	3,394.9	3,323.1	3,309.3	9.4	9.7	91.87	-110.0	874.8	784.9	766.8	18.09	43.399	
3,420.0	3,414.9	3,342.2	3,328.4	9.4	9.7	91.90	-110.5	877.0	787.2	769.0	18.17	43.325	
3,500.0	3,494.9	3,420.7	3,406.3	9.5	10.0	92.06	-113.0	885.9	796.4	777.9	18.51	43.023	
3,515.0	3,509.9	3,436.6	3,422.0	9.5	10.1	92.10	-113.6	887.7	798.1	779.5	18.58	42.954	
3,600.0	3,594.9	3,524.3	3,509.1	9.6	10.4	92.38	-117.9	897.3	807.5	788.6	18.97	42.575	
3,610.0	3,604.9	3,534.1	3,518.9	9.6	10.4	92.41	-118.4	898.3	808.6	789.6	19.01	42.536	
3,700.0	3,694.9	3,623.6	3,607.7	9.6	10.7	92.75	-123.6	908.0	818.6	799.2	19.41	42.175	
3,705.0	3,699.9	3,628.8	3,612.9	9.6	10.7	92.77	-123.9	908.6	819.1	799.7	19.43	42.154	
3,800.0	3,794.9	3,725.8	3,709.1	9.7	11.1	93.12	-129.4	918.8	829.4	809.5	19.86	41.756	
3,895.0	3,889.9	3,823.0	3,805.7	9.8	11.4	93.44	-134.6	928.7	839.5	819.2	20.29	41.364	
3,900.0	3,894.9	3,828.2	3,810.9	9.8	11.4	93.45	-134.9	929.3	840.0	819.7	20.32	41.342	
3,990.0	3,984.9	3,920.7	3,902.8	9.8	11.8	93.72	-139.4	938.4	849.1	828.4	20.73	40.969	
4,000.0	3,994.9	3,930.8	3,912.8	9.8	11.8	93.75	-139.8	939.4	850.1	829.3	20.77	40.929	
4,085.0	4,079.9	4,018.1	3,999.6	9.9	12.1	93.96	-143.6	947.7	858.5	837.3	21.15	40.584	
4,100.0	4,094.9	4,033.7	4,015.1	9.9	12.2	93.99	-144.2	949.2	859.9	838.7	21.22	40.522	
4,180.0	4,174.9	4,107.3	4,088.4	10.0	12.4	94.16	-147.2	956.2	867.7	846.2	21.55	40.268	
4,200.0	4,194.9	4,124.1	4,105.1	10.0	12.5	94.20	-148.0	957.9	869.8	848.2	21.63	40.223	
4,275.0	4,269.9	4,195.4	4,175.9	10.0	12.7	94.43	-152.0	965.5	878.2	856.2	21.94	40.019	
4,300.0	4,294.9	4,223.0	4,203.3	10.1	12.8	94.51	-153.5	968.4	880.9	858.8	22.07	39.920	
4,370.0	4,364.9	4,289.5	4,269.4	10.1	13.1	94.71	-157.1	975.2	888.4	866.0	22.36	39.721	
4,400.0	4,394.9	4,314.5	4,294.2	10.1	13.2	94.79	-158.5	977.9	891.8	869.3	22.48	39.673	
4,465.0	4,459.9	4,368.7	4,347.9	10.2	13.4	94.99	-162.1	984.3	899.7	877.0	22.72	39.594	
4,500.0	4,494.9	4,398.1	4,376.9	10.2	13.5	95.11	-164.4	987.9	904.3	881.4	22.86	39.563	
4,560.0	4,554.9	4,449.2	4,427.4	10.2	13.7	95.37	-169.0	994.6	912.6	889.5	23.09	39.524	
4,600.0	4,594.9	4,493.2	4,470.8	10.3	13.8	95.60	-173.2	1,000.4	918.2	894.9	23.29	39.420	
4,655.0	4,649.9	4,553.2	4,530.1	10.3	14.0	95.89	-178.8	1,008.0	925.7	902.1	23.57	39.274	
4,700.0	4,694.9	4,600.7	4,577.0	10.3	14.2	96.11	-182.9	1,013.8	931.6	907.8	23.79	39.164	
4,750.0	4,744.9	4,654.0	4,629.7	10.4	14.4	96.34	-187.3	1,020.1	938.0	913.9	24.03	39.034	
4,800.0	4,794.9	4,708.3	4,683.5	10.4	14.6	96.56	-191.7	1,026.4	944.1	919.9	24.28	38.892	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference 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
4,845.0	4,839.9	4,756.6	4,731.4	10.4	14.8	96.75	-195.4	1,031.7	949.5	925.0	24.49	38.765	
4,900.0	4,894.9	4,815.0	4,789.3	10.5	15.0	96.96	-199.7	1,038.0	955.8	931.1	24.76	38.609	
4,940.0	4,934.9	4,851.2	4,825.2	10.5	15.1	97.09	-202.3	1,041.8	960.4	935.5	24.92	38.538	
5,000.0	4,994.9	4,902.3	4,875.8	10.6	15.3	97.30	-206.6	1,047.5	967.7	942.6	25.16	38.469	
5,035.0	5,029.9	4,936.8	4,909.9	10.6	15.4	97.46	-209.8	1,051.5	972.2	946.9	25.31	38.407	
5,100.0	5,094.9	5,013.6	4,986.0	10.6	15.7	97.81	-216.8	1,059.9	980.0	954.3	25.66	38.191	
5,130.0	5,124.9	5,047.3	5,019.3	10.6	15.8	97.95	-219.7	1,063.3	983.4	957.6	25.81	38.098	
5,200.0	5,194.9	5,125.7	5,097.1	10.7	16.1	98.26	-226.1	1,070.8	990.8	964.6	26.16	37.872	
5,225.0	5,219.9	5,153.8	5,125.0	10.7	16.2	98.36	-228.2	1,073.3	993.3	967.0	26.29	37.788	
5,300.0	5,294.9	5,237.5	5,208.2	10.8	16.5	98.63	-234.1	1,080.3	1,000.3	973.7	26.65	37.530	
5,320.0	5,314.9	5,259.5	5,230.1	10.8	16.6	98.70	-235.6	1,082.1	1,002.1	975.4	26.75	37.461	
5,400.0	5,394.9	5,346.6	5,316.8	10.8	16.9	98.95	-241.0	1,088.6	1,008.8	981.7	27.13	37.182	
5,415.0	5,409.9	5,362.8	5,332.9	10.9	17.0	98.99	-241.9	1,089.8	1,010.0	982.8	27.20	37.130	
5,500.0	5,494.9	5,454.9	5,424.6	10.9	17.3	99.22	-247.0	1,096.0	1,016.4	988.8	27.60	36.825	
5,510.0	5,504.9	5,465.7	5,435.4	10.9	17.4	99.25	-247.6	1,096.7	1,017.1	989.5	27.65	36.789	
5,600.0	5,594.9	5,560.3	5,529.7	11.0	17.7	99.47	-252.6	1,102.4	1,023.3	995.2	28.06	36.469	
5,605.0	5,599.9	5,565.5	5,534.9	11.0	17.7	99.48	-252.9	1,102.7	1,023.6	995.6	28.08	36.452	
5,700.0	5,694.9	5,659.9	5,629.0	11.1	18.1	99.68	-257.4	1,108.3	1,029.9	1,001.4	28.50	36.141	
5,795.0	5,789.9	5,754.3	5,723.2	11.1	18.4	99.86	-261.7	1,114.0	1,036.3	1,007.4	28.91	35.842	
5,800.0	5,794.9	5,759.3	5,728.1	11.1	18.4	99.87	-261.9	1,114.3	1,036.6	1,007.7	28.93	35.827	
5,890.0	5,884.9	5,852.2	5,820.7	11.2	18.7	100.03	-265.8	1,119.8	1,042.6	1,013.2	29.34	35.536	
5,900.0	5,894.9	5,862.5	5,831.1	11.2	18.8	100.05	-266.3	1,120.4	1,043.2	1,013.8	29.38	35.504	
5,985.0	5,979.9	5,953.6	5,921.9	11.3	19.1	100.21	-270.1	1,125.4	1,048.4	1,018.6	29.77	35.213	
6,000.0	5,994.9	5,969.4	5,937.7	11.3	19.2	100.24	-270.7	1,126.2	1,049.3	1,019.4	29.84	35.161	
6,080.0	6,074.9	6,052.2	6,020.3	11.3	19.5	100.38	-274.1	1,130.3	1,053.8	1,023.6	30.20	34.893	
6,100.0	6,094.9	6,073.1	6,041.2	11.4	19.5	100.41	-274.9	1,131.3	1,054.8	1,024.5	30.29	34.825	
6,175.0	6,169.9	6,152.0	6,119.9	11.4	19.8	100.53	-277.9	1,134.9	1,058.7	1,028.1	30.63	34.568	
6,200.0	6,194.9	6,177.7	6,145.6	11.4	19.9	100.57	-278.8	1,136.0	1,060.0	1,029.2	30.74	34.483	
6,270.0	6,264.9	6,250.1	6,217.9	11.5	20.2	100.67	-281.3	1,139.1	1,063.3	1,032.3	31.05	34.246	
6,300.0	6,294.9	6,283.4	6,251.1	11.5	20.3	100.72	-282.5	1,140.4	1,064.7	1,033.5	31.19	34.137	
6,365.0	6,359.9	6,355.5	6,323.2	11.6	20.5	100.83	-285.0	1,142.9	1,067.3	1,035.8	31.49	33.894	
6,400.0	6,394.9	6,394.8	6,362.5	11.6	20.7	100.89	-286.4	1,144.1	1,068.6	1,036.9	31.65	33.759	
6,460.0	6,454.9	6,462.2	6,429.7	11.6	20.9	101.00	-288.7	1,145.6	1,070.3	1,038.4	31.93	33.522	
6,500.0	6,494.9	6,507.1	6,474.6	11.7	21.1	101.07	-290.3	1,146.4	1,071.3	1,039.2	32.11	33.361	
6,555.0	6,549.9	6,568.8	6,536.3	11.7	21.3	101.17	-292.3	1,147.2	1,072.3	1,040.0	32.36	33.135	
6,600.0	6,594.9	6,619.3	6,586.8	11.7	21.4	101.25	-293.9	1,147.5	1,072.9	1,040.3	32.57	32.946	
6,650.0	6,644.9	6,670.5	6,638.0	11.8	21.6	101.34	-295.6	1,147.7	1,073.4	1,040.6	32.78	32.744	
6,700.0	6,694.9	6,721.0	6,688.4	11.8	21.8	101.42	-297.1	1,147.8	1,073.8	1,040.8	32.99	32.546	
6,745.0	6,739.9	6,766.0	6,733.4	11.8	21.9	101.48	-298.3	1,148.0	1,074.2	1,041.0	33.18	32.371	
6,800.0	6,794.9	6,821.0	6,788.4	11.9	22.1	101.56	-299.9	1,148.2	1,074.7	1,041.3	33.42	32.159	
6,840.0	6,834.9	6,860.2	6,827.6	11.9	22.3	101.61	-301.0	1,148.3	1,075.0	1,041.5	33.59	32.008	
6,900.0	6,894.9	6,911.0	6,878.3	12.0	22.4	101.68	-302.4	1,148.5	1,075.7	1,041.9	33.82	31.804	
6,935.0	6,929.9	6,946.7	6,914.0	12.0	22.6	101.72	-303.2	1,148.9	1,076.2	1,042.2	33.97	31.676	
7,000.0	6,994.9	7,005.0	6,972.3	12.0	22.8	101.75	-303.9	1,150.1	1,077.7	1,043.4	34.24	31.477	
7,030.0	7,024.9	7,022.4	6,989.7	12.0	22.8	101.74	-304.0	1,150.7	1,078.6	1,044.3	34.34	31.414	
7,100.0	7,094.9	7,072.4	7,039.7	12.1	23.0	101.73	-304.2	1,152.9	1,081.7	1,047.1	34.58	31.279	
7,125.0	7,119.9	7,101.0	7,068.2	12.1	23.1	101.72	-304.4	1,154.6	1,083.2	1,048.5	34.70	31.216	
7,200.0	7,194.9	7,177.9	7,145.0	12.2	23.4	101.68	-304.4	1,159.0	1,087.5	1,052.4	35.03	31.047	
7,220.0	7,214.9	7,203.6	7,170.6	12.2	23.5	101.66	-304.3	1,160.2	1,088.4	1,053.2	35.13	30.984	
7,300.0	7,294.9	7,302.4	7,269.3	12.2	23.8	101.58	-303.5	1,163.9	1,091.1	1,055.6	35.51	30.729	
7,315.0	7,309.9	7,320.3	7,287.3	12.3	23.9	101.56	-303.2	1,164.4	1,091.5	1,055.9	35.58	30.680	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference 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	7,394.9	7,418.1	7,385.0	12.3	24.2	101.45	-301.5	1,166.4	1,092.9	1,057.0	35.95	30.397	
7,410.0	7,404.9	7,428.7	7,395.7	12.3	24.2	101.44	-301.3	1,166.6	1,093.0	1,057.0	36.00	30.365	
7,500.0	7,494.9	7,540.0	7,506.9	12.4	24.6	101.30	-298.7	1,167.6	1,093.5	1,057.1	36.39	30.047	
7,505.0	7,499.9	7,547.2	7,514.1	12.4	24.6	101.29	-298.6	1,167.6	1,093.5	1,057.0	36.42	30.026	
7,600.0	7,594.9	7,677.0	7,643.9	12.5	25.0	101.22	-296.6	1,164.4	1,090.9	1,054.1	36.83	29.622	
7,695.0	7,689.9	7,766.0	7,732.8	12.5	25.3	101.20	-295.6	1,161.1	1,087.2	1,050.0	37.19	29.232	
7,700.0	7,694.9	7,766.0	7,732.8	12.5	25.3	101.20	-295.6	1,161.1	1,087.0	1,049.8	37.21	29.216	
7,790.0	7,784.9	7,841.6	7,808.3	12.6	25.6	101.19	-295.0	1,159.1	1,084.6	1,047.0	37.55	28.886	
7,800.0	7,794.9	7,849.5	7,816.3	12.6	25.6	101.19	-295.0	1,158.9	1,084.4	1,046.8	37.58	28.853	
7,885.0	7,879.9	7,923.8	7,890.6	12.7	25.8	101.22	-295.4	1,158.0	1,083.4	1,045.5	37.91	28.576	
7,900.0	7,894.9	7,937.2	7,903.9	12.7	25.9	101.23	-295.6	1,157.9	1,083.3	1,045.3	37.97	28.530	
7,980.0	7,974.9	8,014.8	7,981.6	12.8	26.1	101.29	-296.6	1,157.4	1,083.0	1,044.7	38.30	28.277	
8,000.0	7,994.9	8,034.8	8,001.5	12.8	26.2	101.31	-296.9	1,157.2	1,082.9	1,044.6	38.38	28.214	
8,075.0	8,069.9	8,110.7	8,077.4	12.8	26.5	101.38	-298.1	1,156.7	1,082.7	1,044.0	38.70	27.977	
8,100.0	8,094.9	8,136.1	8,102.8	12.9	26.5	101.40	-298.4	1,156.5	1,082.5	1,043.7	38.80	27.899	
8,156.8	8,151.7	8,187.9	8,154.6	12.9	26.7	101.43	-299.1	1,156.2	1,082.4	1,043.4	39.03	27.731	
8,170.0	8,164.9	8,199.7	8,166.4	12.9	26.8	101.44	-299.3	1,156.2	1,082.4	1,043.3	39.09	27.693	
8,200.0	8,194.9	8,226.4	8,193.1	12.9	26.8	101.46	-299.7	1,156.2	1,082.5	1,043.3	39.21	27.610	
8,265.0	8,259.9	8,284.6	8,251.3	13.0	27.0	101.51	-300.6	1,156.5	1,083.0	1,043.5	39.47	27.438	
8,300.0	8,294.9	8,316.0	8,282.6	13.0	27.2	101.53	-301.1	1,156.8	1,083.4	1,043.8	39.61	27.350	
8,360.0	8,354.9	8,372.8	8,339.4	13.0	27.4	101.57	-302.1	1,157.5	1,084.4	1,044.5	39.86	27.201	
8,400.0	8,394.9	8,411.9	8,378.6	13.1	27.5	101.60	-302.7	1,158.0	1,085.1	1,045.0	40.04	27.102	
8,455.0	8,449.9	8,471.8	8,438.4	13.1	27.7	101.64	-303.6	1,158.9	1,086.0	1,045.7	40.28	26.958	
8,500.0	8,494.9	8,523.5	8,490.2	13.2	27.9	101.65	-304.0	1,159.3	1,086.4	1,045.9	40.49	26.830	
8,550.0	8,544.9	8,575.6	8,542.3	13.2	28.1	101.66	-304.3	1,159.6	1,086.7	1,046.0	40.71	26.693	
8,600.0	8,594.9	8,628.4	8,595.1	13.2	28.3	101.67	-304.5	1,159.8	1,086.9	1,046.0	40.93	26.555	
8,645.0	8,639.9	8,681.7	8,648.3	13.3	28.4	101.68	-304.6	1,159.7	1,086.9	1,045.7	41.13	26.424	
8,700.0	8,694.9	8,744.3	8,710.9	13.3	28.6	101.68	-304.4	1,159.1	1,086.4	1,045.0	41.37	26.260	
8,740.0	8,734.9	8,787.6	8,754.3	13.3	28.8	101.68	-304.3	1,158.6	1,085.8	1,044.3	41.53	26.143	
8,800.0	8,794.9	8,849.7	8,816.3	13.4	29.0	101.67	-304.0	1,157.6	1,084.8	1,043.1	41.78	25.967	
8,835.0	8,829.9	8,886.7	8,853.3	13.4	29.0	101.67	-303.9	1,156.9	1,084.2	1,042.3	41.86	25.899	
8,900.0	8,894.9	8,955.7	8,922.3	13.5	29.1	101.68	-303.7	1,155.5	1,082.9	1,040.9	41.99	25.788	
8,930.0	8,924.9	8,987.8	8,954.4	13.5	29.1	101.68	-303.5	1,154.8	1,082.1	1,040.1	42.01	25.758	
9,000.0	8,994.9	9,049.0	9,015.5	13.5	29.1	101.51	-300.2	1,154.0	1,080.6	1,038.5	42.08	25.677	
9,025.0	9,019.9	9,069.9	9,036.1	13.6	29.1	101.36	-297.3	1,154.3	1,080.2	1,038.1	42.11	25.653	
9,073.8	9,068.7	9,106.1	9,071.6	13.6	29.1	100.97	-290.1	1,155.5	1,079.9	1,037.7	42.17	25.610	
9,100.0	9,094.9	9,123.2	9,088.1	13.6	29.1	100.74	-285.9	1,156.4	1,080.0	1,037.8	42.20	25.593	
9,120.0	9,114.9	9,136.0	9,100.4	13.6	29.1	100.55	-282.4	1,157.2	1,080.3	1,038.0	42.22	25.584	SF
9,200.0	9,194.9	9,174.1	9,136.4	13.7	29.1	99.90	-270.4	1,160.6	1,083.1	1,040.8	42.33	25.584	
9,215.0	9,209.9	9,192.0	9,153.0	13.7	29.1	99.54	-264.0	1,162.8	1,084.1	1,041.8	42.34	25.607	
9,300.0	9,294.9	9,215.6	9,174.4	13.8	29.1	99.03	-254.8	1,166.4	1,091.5	1,049.1	42.45	25.715	
9,310.0	9,304.9	9,219.5	9,177.9	13.8	29.1	98.94	-253.2	1,167.1	1,092.7	1,050.2	42.46	25.736	
9,400.0	9,394.9	9,265.0	9,217.6	13.8	29.2	97.81	-232.8	1,176.0	1,105.6	1,063.1	42.52	26.000	
9,405.0	9,399.9	9,268.2	9,220.3	13.8	29.2	97.73	-231.3	1,176.7	1,106.4	1,063.9	42.53	26.017	
9,500.0	9,494.9	9,341.1	9,279.3	13.9	29.2	95.56	-191.4	1,192.2	1,123.5	1,081.0	42.56	26.397	
9,595.0	9,589.9	9,399.7	9,324.6	14.0	29.2	93.71	-156.5	1,205.0	1,143.9	1,101.3	42.60	26.853	
9,600.0	9,594.9	9,402.7	9,326.9	14.0	29.2	93.62	-154.7	1,205.7	1,145.1	1,102.5	42.60	26.880	
9,690.0	9,684.9	9,445.5	9,359.3	14.1	29.2	92.24	-128.5	1,215.6	1,168.3	1,125.6	42.63	27.405	
9,700.0	9,694.9	9,449.2	9,362.0	14.1	29.2	92.13	-126.2	1,216.5	1,171.1	1,128.5	42.63	27.469	
9,736.1	9,731.0	9,462.1	9,371.5	14.1	29.2	91.71	-118.0	1,219.7	1,181.8	1,139.2	42.66	27.705	
9,750.0	9,744.9	9,475.0	9,380.8	14.1	29.2	90.97	-109.9	1,223.0	1,186.2	1,143.5	42.65	27.811	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 861-MWD+IFR1+FDIR, 8939-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference 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
9,785.0	9,779.9	9,475.0	9,380.8	14.1	29.2	89.78	-109.9	1,223.0	1,197.5	1,154.9	42.65	28.080	
9,800.0	9,794.8	9,487.4	9,389.7	14.1	29.2	88.88	-101.8	1,226.3	1,202.5	1,159.9	42.65	28.198	
9,850.0	9,844.2	9,509.8	9,405.4	14.2	29.2	86.42	-87.0	1,232.4	1,220.0	1,177.3	42.64	28.608	
9,880.0	9,873.4	9,522.0	9,413.7	14.2	29.2	84.96	-78.8	1,235.8	1,230.8	1,188.2	42.65	28.861	
9,900.0	9,892.7	9,522.0	9,413.7	14.2	29.2	84.16	-78.8	1,235.8	1,238.3	1,195.6	42.65	29.035	
9,950.0	9,940.0	9,555.8	9,435.8	14.3	29.2	81.44	-55.1	1,245.3	1,257.0	1,214.3	42.66	29.462	
9,975.0	9,963.1	9,571.0	9,445.3	14.3	29.2	80.14	-44.1	1,249.7	1,266.5	1,223.8	42.67	29.678	
10,000.0	9,985.7	9,571.0	9,445.3	14.4	29.2	79.12	-44.1	1,249.7	1,276.1	1,233.4	42.68	29.897	
10,050.0	10,029.4	9,588.6	9,455.9	14.4	29.3	76.80	-31.1	1,255.0	1,295.6	1,252.8	42.71	30.331	
10,070.0	10,046.3	9,593.8	9,459.0	14.5	29.3	75.91	-27.2	1,256.7	1,303.4	1,260.7	42.73	30.505	
10,100.0	10,070.9	9,618.0	9,472.6	14.5	29.3	74.45	-8.9	1,264.8	1,315.7	1,272.9	42.76	30.770	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
0.0	0.0	1.9	1.9	3.0	3.0	92.93	-32.2	629.9	630.7				
95.0	95.0	95.9	95.9	3.0	3.0	92.87	-31.6	630.0	630.8	624.8	6.02	104.823	
100.0	100.0	100.8	100.8	3.0	3.0	92.87	-31.6	630.0	630.8	624.8	6.02	104.774	
190.0	190.0	191.5	191.5	3.1	3.0	92.75	-30.2	630.2	630.9	624.8	6.13	102.963	
200.0	200.0	201.4	201.4	3.1	3.0	92.73	-30.0	630.2	630.9	624.8	6.14	102.675	
285.0	285.0	287.3	287.3	3.3	3.0	92.57	-28.3	630.2	630.9	624.6	6.25	101.008	
300.0	300.0	302.1	302.0	3.3	3.0	92.55	-28.0	630.2	630.9	624.6	6.27	100.680	
380.0	380.0	384.8	384.8	3.4	3.0	92.45	-26.9	630.1	630.6	624.3	6.36	99.165	
400.0	400.0	405.9	405.8	3.4	3.0	92.43	-26.8	630.0	630.5	624.1	6.38	98.755	
475.0	475.0	487.5	487.5	3.5	3.0	92.40	-26.4	629.0	629.6	623.2	6.47	97.276	
500.0	500.0	515.1	515.0	3.5	3.0	92.40	-26.3	628.5	629.2	622.7	6.50	96.737	
570.0	570.0	598.3	598.2	3.6	3.1	92.39	-26.1	625.9	627.0	620.4	6.59	95.183	
600.0	600.0	630.8	630.7	3.6	3.1	92.39	-26.0	624.4	625.6	619.0	6.62	94.442	
665.0	665.0	696.1	695.9	3.7	3.1	92.40	-26.0	621.3	622.5	615.8	6.70	92.850	
700.0	700.0	729.0	728.7	3.8	3.1	92.41	-26.1	619.8	620.9	614.2	6.75	91.993	
760.0	760.0	783.3	783.1	3.8	3.1	92.42	-26.1	617.8	618.7	611.9	6.83	90.647	
800.0	800.0	821.3	821.0	3.9	3.1	92.42	-26.1	616.5	617.4	610.5	6.88	89.771	
855.0	855.0	877.4	877.1	4.0	3.1	92.43	-26.1	614.6	615.5	608.6	6.95	88.595	
900.0	900.0	923.4	923.1	4.0	3.1	92.44	-26.1	613.0	613.9	606.9	7.01	87.616	
950.0	950.0	972.5	972.1	4.1	3.2	92.49	-26.5	611.3	612.3	605.2	7.07	86.582	
1,000.0	1,000.0	1,021.6	1,021.2	4.1	3.2	92.69	-28.6	609.7	610.7	603.6	7.13	85.603	
1,045.0	1,045.0	1,067.5	1,067.0	4.2	3.2	92.92	-31.0	608.1	609.2	602.1	7.19	84.754	
1,100.0	1,100.0	1,123.6	1,122.9	4.2	3.2	93.22	-34.1	606.0	607.4	600.1	7.26	83.699	
1,140.0	1,140.0	1,162.3	1,161.5	4.3	3.2	93.42	-36.2	604.6	606.0	598.7	7.30	82.961	
1,200.0	1,200.0	1,223.1	1,222.2	4.4	3.2	93.75	-39.5	602.4	604.1	596.7	7.38	81.865	
1,235.0	1,235.0	1,256.6	1,255.6	4.4	3.2	93.93	-41.3	601.2	602.9	595.5	7.42	81.242	
1,300.0	1,300.0	1,311.6	1,310.5	4.5	3.2	94.29	-45.0	599.8	601.5	594.0	7.50	80.232	
1,330.0	1,330.0	1,341.3	1,340.1	4.5	3.2	94.50	-47.2	599.2	601.1	593.6	7.53	79.819	
1,400.0	1,400.0	1,411.1	1,409.7	4.6	3.3	95.00	-52.3	597.7	600.1	592.5	7.61	78.843	
1,425.0	1,425.0	1,436.7	1,435.3	4.6	3.3	95.19	-54.3	597.2	599.7	592.1	7.64	78.508	
1,500.0	1,500.0	1,513.7	1,512.0	4.7	3.3	95.75	-59.9	595.6	598.7	591.0	7.73	77.493	
1,520.0	1,520.0	1,534.4	1,532.6	4.7	3.3	-35.69	-61.4	595.1	598.3	590.5	7.76	77.088	
1,600.0	1,600.0	1,616.9	1,614.9	4.9	3.3	-35.26	-67.1	592.8	595.3	587.4	7.92	75.214	
1,615.0	1,615.0	1,632.0	1,630.0	4.9	3.3	-35.20	-68.1	592.4	594.5	586.6	7.96	74.730	
1,700.0	1,699.8	1,717.9	1,715.6	5.1	3.4	-34.98	-73.5	589.8	588.7	580.5	8.19	71.855	
1,710.0	1,709.8	1,728.0	1,725.7	5.1	3.4	-34.96	-74.1	589.4	587.9	579.7	8.21	71.631	
1,749.9	1,749.6	1,765.5	1,763.1	5.2	3.4	-34.92	-76.5	588.3	584.4	576.1	8.26	70.716	
1,800.0	1,799.5	1,800.0	1,797.6	5.2	3.4	-34.87	-78.8	587.7	580.3	572.0	8.33	69.698	
1,805.0	1,804.5	1,805.6	1,803.1	5.2	3.4	-34.86	-79.1	587.6	580.0	571.7	8.34	69.562	
1,900.0	1,899.1	1,892.9	1,890.2	5.4	3.4	-34.73	-84.9	588.1	574.5	565.9	8.55	67.203	
1,995.0	1,993.8	1,980.8	1,978.0	5.6	3.5	-34.63	-90.4	589.7	570.0	561.3	8.77	65.024	
2,000.0	1,998.7	1,985.7	1,982.9	5.6	3.5	-34.63	-90.7	589.8	569.8	561.1	8.78	64.914	
2,090.0	2,088.4	2,075.6	2,072.5	5.9	3.5	-34.57	-96.1	592.2	566.4	557.4	9.00	62.952	
2,100.0	2,098.4	2,085.7	2,082.6	5.9	3.5	-34.56	-96.7	592.4	566.0	556.9	9.02	62.734	
2,185.0	2,183.0	2,166.2	2,163.0	6.1	3.5	-34.50	-101.6	594.5	562.7	553.5	9.24	60.919	
2,200.0	2,198.0	2,179.6	2,176.3	6.1	3.6	-34.49	-102.4	594.9	562.2	552.9	9.27	60.620	
2,280.0	2,277.7	2,247.9	2,244.4	6.4	3.6	-34.44	-106.7	598.0	560.7	551.2	9.48	59.158	
2,300.0	2,297.6	2,266.0	2,262.5	6.4	3.6	-34.43	-107.8	599.1	560.5	551.0	9.53	58.822	
2,329.6	2,327.0	2,292.3	2,288.7	6.5	3.6	-34.41	-109.5	600.7	560.5	550.8	9.61	58.338	
2,375.0	2,372.3	2,334.8	2,330.9	6.6	3.6	-34.39	-112.2	603.6	560.6	550.9	9.73	57.629	
2,400.0	2,397.2	2,360.9	2,356.9	6.7	3.6	-34.38	-113.8	605.4	560.7	550.9	9.80	57.230	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
2,470.0	2,466.9	2,433.6	2,429.3	6.9	3.6	-34.35	-118.3	610.2	560.9	550.9	10.00	56.105	
2,500.0	2,496.8	2,465.5	2,461.2	7.0	3.7	-34.35	-120.1	612.2	560.8	550.7	10.08	55.615	
2,565.0	2,561.6	2,534.2	2,529.6	7.2	3.7	-34.40	-123.5	616.2	560.2	550.0	10.27	54.536	
2,600.0	2,596.5	2,570.2	2,565.5	7.3	3.7	-34.44	-125.2	618.1	559.8	549.4	10.38	53.957	
2,660.0	2,656.2	2,630.9	2,626.1	7.5	3.7	-34.52	-127.8	621.3	558.9	548.4	10.55	52.968	
2,700.0	2,696.1	2,670.6	2,665.8	7.6	3.7	-34.58	-129.5	623.4	558.4	547.7	10.67	52.327	
2,755.0	2,750.9	2,725.7	2,720.7	7.8	3.8	-34.66	-131.7	626.3	557.6	546.7	10.84	51.452	
2,800.0	2,795.7	2,769.9	2,764.8	7.9	3.8	-34.74	-133.5	628.7	557.0	546.0	10.97	50.758	
2,837.2	2,832.8	2,806.9	2,801.8	8.0	3.8	-34.81	-134.9	630.7	556.5	545.4	11.06	50.312	
2,850.0	2,845.5	2,820.0	2,814.8	8.1	3.8	-34.83	-135.4	631.5	556.4	545.3	11.09	50.146	
2,900.0	2,895.3	2,870.6	2,865.3	8.2	3.8	-34.92	-137.2	634.2	556.0	544.7	11.23	49.524	
2,926.0	2,921.3	2,895.9	2,890.5	8.3	3.8	-34.96	-138.1	635.6	555.9	544.6	11.30	49.174	CC
2,945.0	2,940.2	2,914.8	2,909.4	8.3	3.9	-34.98	-138.7	636.6	555.9	544.6	11.36	48.926	ES
3,000.0	2,995.1	2,969.4	2,963.8	8.5	3.9	-35.03	-140.6	639.7	556.3	544.8	11.53	48.240	
3,040.0	3,035.0	3,009.8	3,004.2	8.6	3.9	-35.06	-142.0	641.9	556.9	545.2	11.65	47.794	
3,100.0	3,095.0	3,072.9	3,067.1	8.8	3.9	-35.03	-144.3	645.4	558.1	546.3	11.84	47.152	
3,135.0	3,130.0	3,111.9	3,106.1	8.9	4.0	-34.91	-146.6	647.0	558.7	546.7	11.94	46.775	
3,200.0	3,194.9	3,177.3	3,171.2	9.1	4.0	-34.65	-150.7	649.5	560.1	547.9	12.14	46.117	
3,230.0	3,224.9	3,206.8	3,200.7	9.2	4.0	-34.51	-152.6	650.7	560.9	548.7	12.23	45.868	
3,300.0	3,294.9	3,277.4	3,271.1	9.4	4.1	-34.17	-157.0	653.3	563.4	550.9	12.43	45.320	
3,325.0	3,319.9	3,302.6	3,296.3	9.4	4.1	-34.03	-158.5	654.3	564.4	551.9	12.47	45.267	
3,337.1	3,332.0	3,314.7	3,308.3	9.4	4.1	97.61	-159.3	654.7	565.0	552.5	12.49	45.244	
3,400.0	3,394.9	3,379.6	3,373.1	9.4	4.2	97.99	-163.4	657.0	567.7	555.2	12.56	45.207	
3,420.0	3,414.9	3,400.0	3,393.3	9.4	4.2	98.10	-164.6	657.7	568.6	556.0	12.59	45.164	
3,500.0	3,494.9	3,480.6	3,473.8	9.5	4.2	98.53	-169.3	660.4	571.9	559.2	12.71	44.997	
3,515.0	3,509.9	3,495.3	3,488.5	9.5	4.3	98.60	-170.1	660.9	572.5	559.8	12.73	44.966	
3,600.0	3,594.9	3,581.0	3,574.0	9.6	4.3	99.02	-174.8	663.5	575.8	562.9	12.86	44.774	
3,610.0	3,604.9	3,590.8	3,583.8	9.6	4.3	99.07	-175.3	663.9	576.2	563.3	12.88	44.753	
3,700.0	3,694.9	3,682.4	3,675.2	9.6	4.4	99.48	-180.0	666.7	579.7	566.6	13.01	44.549	
3,705.0	3,699.9	3,687.1	3,679.9	9.6	4.4	99.50	-180.2	666.8	579.8	566.8	13.02	44.538	
3,800.0	3,794.9	3,781.7	3,774.4	9.7	4.5	99.93	-185.1	669.7	583.5	570.4	13.16	44.326	
3,895.0	3,889.9	3,875.0	3,867.5	9.8	4.6	100.33	-189.8	672.5	587.2	573.9	13.31	44.120	
3,900.0	3,894.9	3,880.0	3,872.5	9.8	4.6	100.35	-190.0	672.7	587.5	574.1	13.32	44.110	
3,990.0	3,984.9	3,971.4	3,963.7	9.8	4.7	100.72	-194.4	675.7	591.1	577.6	13.46	43.919	
4,000.0	3,994.9	3,981.0	3,973.3	9.8	4.7	100.76	-194.9	675.9	591.5	578.0	13.47	43.898	
4,085.0	4,079.9	4,065.2	4,057.4	9.9	4.7	101.10	-199.0	678.7	595.0	581.4	13.61	43.723	
4,100.0	4,094.9	4,080.0	4,072.2	9.9	4.8	101.15	-199.7	679.2	595.6	582.0	13.63	43.693	
4,180.0	4,174.9	4,160.0	4,152.0	10.0	4.8	101.50	-203.9	681.7	599.0	585.2	13.76	43.529	
4,200.0	4,194.9	4,179.5	4,171.5	10.0	4.8	101.59	-205.0	682.4	599.8	586.0	13.79	43.487	
4,275.0	4,269.9	4,252.9	4,244.7	10.0	4.9	101.93	-209.1	684.8	603.1	589.2	13.91	43.343	
4,300.0	4,294.9	4,278.6	4,270.4	10.1	4.9	102.05	-210.6	685.7	604.2	590.3	13.96	43.293	
4,370.0	4,364.9	4,349.1	4,340.7	10.1	5.0	102.37	-214.5	687.9	607.2	593.2	14.07	43.150	
4,400.0	4,394.9	4,378.1	4,369.6	10.1	5.0	102.50	-216.1	688.8	608.5	594.4	14.12	43.092	
4,465.0	4,459.9	4,442.9	4,434.3	10.2	5.1	102.79	-219.8	691.0	611.5	597.3	14.23	42.969	
4,500.0	4,494.9	4,476.8	4,468.1	10.2	5.1	102.94	-221.7	692.2	613.1	598.8	14.29	42.906	
4,560.0	4,554.9	4,536.5	4,527.6	10.2	5.2	103.21	-225.1	694.2	615.9	601.5	14.39	42.798	
4,600.0	4,594.9	4,585.2	4,576.2	10.3	5.2	103.45	-228.1	695.7	617.6	603.1	14.47	42.697	
4,655.0	4,649.9	4,651.1	4,642.0	10.3	5.3	103.89	-233.1	695.9	618.8	604.2	14.57	42.477	
4,700.0	4,694.9	4,695.6	4,686.3	10.3	5.4	104.21	-236.7	695.9	619.6	604.9	14.65	42.307	
4,750.0	4,744.9	4,744.2	4,734.7	10.4	5.4	104.56	-240.6	695.8	620.5	605.8	14.73	42.121	
4,800.0	4,794.9	4,794.5	4,784.9	10.4	5.5	104.93	-244.6	695.7	621.5	606.6	14.82	41.935	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
4,845.0	4,839.9	4,839.1	4,829.4	10.4	5.5	105.25	-248.2	695.6	622.4	607.5	14.90	41.773	
4,900.0	4,894.9	4,895.2	4,885.3	10.5	5.6	105.65	-252.7	695.6	623.4	608.5	15.00	41.573	
4,940.0	4,934.9	4,952.8	4,942.8	10.5	5.6	105.94	-255.9	694.9	623.6	608.6	15.07	41.392	
5,000.0	4,994.9	5,013.5	5,003.4	10.6	5.7	106.12	-257.5	693.8	623.0	607.8	15.14	41.146	
5,035.0	5,029.9	5,047.9	5,037.8	10.6	5.7	106.22	-258.5	693.1	622.6	607.5	15.18	41.004	
5,100.0	5,094.9	5,113.6	5,103.5	10.6	5.8	106.42	-260.3	691.9	622.0	606.7	15.27	40.742	
5,130.0	5,124.9	5,142.2	5,132.1	10.6	5.8	106.50	-261.1	691.4	621.7	606.4	15.30	40.622	
5,200.0	5,194.9	5,211.9	5,201.8	10.7	5.8	106.70	-263.1	690.2	621.1	605.7	15.39	40.347	
5,225.0	5,219.9	5,237.7	5,227.6	10.7	5.9	106.78	-263.8	689.8	620.9	605.5	15.43	40.250	
5,300.0	5,294.9	5,310.3	5,300.1	10.8	5.9	106.99	-265.8	688.6	620.4	604.8	15.52	39.965	
5,320.0	5,314.9	5,331.0	5,320.8	10.8	6.0	107.05	-266.4	688.3	620.2	604.7	15.55	39.889	
5,400.0	5,394.9	5,410.0	5,399.8	10.8	6.0	107.28	-268.7	687.1	619.7	604.1	15.65	39.590	
5,415.0	5,409.9	5,425.6	5,415.3	10.9	6.1	107.33	-269.1	686.8	619.7	604.0	15.67	39.534	
5,500.0	5,494.9	5,510.3	5,500.0	10.9	6.1	107.59	-271.6	685.6	619.2	603.4	15.79	39.221	
5,510.0	5,504.9	5,520.5	5,510.2	10.9	6.2	107.62	-271.9	685.4	619.1	603.3	15.80	39.185	
5,600.0	5,594.9	5,610.8	5,600.5	11.0	6.2	107.89	-274.6	684.1	618.7	602.8	15.92	38.860	
5,605.0	5,599.9	5,615.9	5,605.5	11.0	6.2	107.91	-274.8	684.0	618.7	602.7	15.93	38.842	
5,700.0	5,694.9	5,710.9	5,700.4	11.1	6.3	108.20	-277.6	682.5	618.1	602.1	16.06	38.501	
5,795.0	5,789.9	5,807.6	5,797.1	11.1	6.4	108.38	-279.2	681.2	617.4	601.2	16.17	38.180	
5,800.0	5,794.9	5,812.3	5,801.9	11.1	6.4	108.38	-279.2	681.1	617.3	601.2	16.18	38.165	
5,890.0	5,884.9	5,903.3	5,892.8	11.2	6.5	108.40	-279.1	680.3	616.5	600.2	16.27	37.902	
5,900.0	5,894.9	5,913.2	5,902.7	11.2	6.5	108.40	-279.1	680.2	616.4	600.1	16.28	37.873	
5,985.0	5,979.9	5,998.3	5,987.9	11.3	6.5	108.42	-279.0	679.3	615.6	599.2	16.36	37.617	
6,000.0	5,994.9	6,013.7	6,003.2	11.3	6.5	108.42	-279.0	679.2	615.4	599.0	16.38	37.571	
6,080.0	6,074.9	6,093.5	6,083.1	11.3	6.6	108.46	-279.1	678.2	614.6	598.1	16.47	37.321	
6,100.0	6,094.9	6,112.8	6,102.3	11.4	6.6	108.47	-279.2	678.0	614.4	597.9	16.49	37.260	
6,175.0	6,169.9	6,187.9	6,177.4	11.4	6.6	108.52	-279.5	677.2	613.7	597.2	16.58	37.026	
6,200.0	6,194.9	6,212.5	6,202.0	11.4	6.6	108.55	-279.7	676.9	613.5	596.9	16.61	36.945	
6,270.0	6,264.9	6,280.9	6,270.4	11.5	6.7	108.65	-280.6	676.1	612.9	596.2	16.69	36.718	
6,300.0	6,294.9	6,311.0	6,300.5	11.5	6.7	108.71	-281.1	675.7	612.8	596.0	16.73	36.621	
6,365.0	6,359.9	6,377.7	6,367.2	11.6	6.8	108.86	-282.5	674.7	612.3	595.5	16.82	36.404	
6,400.0	6,394.9	6,412.8	6,402.3	11.6	6.9	108.94	-283.2	674.2	612.0	595.1	16.87	36.285	
6,460.0	6,454.9	6,472.7	6,462.1	11.6	6.9	109.09	-284.5	673.1	611.5	594.5	16.95	36.082	
6,500.0	6,494.9	6,514.3	6,503.7	11.7	7.0	109.20	-285.5	672.4	611.1	594.1	17.00	35.943	
6,555.0	6,549.9	6,570.6	6,559.9	11.7	7.0	109.35	-286.8	671.2	610.4	593.3	17.07	35.746	
6,600.0	6,594.9	6,616.9	6,606.2	11.7	7.1	109.48	-287.8	670.1	609.7	592.6	17.14	35.581	
6,650.0	6,644.9	6,666.5	6,655.9	11.8	7.1	109.61	-288.9	668.9	609.0	591.8	17.20	35.402	
6,700.0	6,694.9	6,716.4	6,705.7	11.8	7.2	109.74	-290.0	667.7	608.2	591.0	17.27	35.223	
6,745.0	6,739.9	6,760.1	6,749.4	11.8	7.2	109.86	-291.0	666.7	607.6	590.3	17.33	35.067	
6,800.0	6,794.9	6,815.6	6,804.9	11.9	7.2	109.91	-291.2	665.9	606.9	589.5	17.39	34.890	
6,840.0	6,834.9	6,854.8	6,844.1	11.9	7.3	109.92	-291.1	665.4	606.4	589.0	17.44	34.770	
6,900.0	6,894.9	6,915.7	6,905.0	12.0	7.3	109.94	-291.1	664.5	605.6	588.0	17.51	34.576	
6,935.0	6,929.9	6,949.4	6,938.7	12.0	7.3	109.97	-291.2	664.0	605.1	587.6	17.56	34.467	
7,000.0	6,994.9	7,014.5	7,003.7	12.0	7.4	110.05	-291.8	663.0	604.4	586.7	17.64	34.262	
7,030.0	7,024.9	7,044.4	7,033.6	12.0	7.4	110.09	-292.0	662.6	604.0	586.3	17.68	34.168	
7,100.0	7,094.9	7,107.7	7,096.9	12.1	7.4	110.12	-292.1	661.9	603.4	585.6	17.76	33.969	
7,100.5	7,095.5	7,108.1	7,097.4	12.1	7.4	110.12	-292.1	661.9	603.4	585.6	17.76	33.967	
7,125.0	7,119.9	7,128.8	7,118.1	12.1	7.4	110.07	-291.7	662.1	603.5	585.7	17.79	33.916	
7,200.0	7,194.9	7,202.7	7,191.9	12.2	7.4	109.85	-289.6	663.5	604.1	586.2	17.89	33.766	
7,220.0	7,214.9	7,224.4	7,213.6	12.2	7.4	109.78	-289.0	663.9	604.2	586.3	17.92	33.724	
7,300.0	7,294.9	7,302.7	7,291.9	12.2	7.4	109.59	-287.3	665.0	604.7	586.6	18.02	33.557	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
7,315.0	7,309.9	7,318.7	7,307.8	12.3	7.4	109.56	-287.0	665.2	604.8	586.7	18.04	33.525	
7,400.0	7,394.9	7,403.9	7,393.1	12.3	7.4	109.43	-286.0	666.2	605.4	587.2	18.16	33.345	
7,410.0	7,404.9	7,414.0	7,403.1	12.3	7.4	109.42	-285.8	666.3	605.4	587.3	18.17	33.323	
7,500.0	7,494.9	7,513.2	7,502.3	12.4	7.4	109.36	-285.2	666.4	605.4	587.1	18.29	33.096	
7,505.0	7,499.9	7,518.5	7,507.6	12.4	7.4	109.36	-285.2	666.4	605.3	587.0	18.30	33.081	
7,600.0	7,594.9	7,613.0	7,602.1	12.5	7.5	109.37	-284.9	665.4	604.3	585.9	18.42	32.812	
7,695.0	7,689.9	7,706.4	7,695.6	12.5	7.5	109.29	-283.9	664.9	603.5	585.0	18.54	32.556	
7,700.0	7,694.9	7,711.0	7,700.2	12.5	7.5	109.29	-283.9	664.9	603.5	584.9	18.54	32.544	
7,790.0	7,784.9	7,797.8	7,786.9	12.6	7.6	109.38	-284.7	664.5	603.3	584.7	18.66	32.327	
7,800.0	7,794.9	7,808.7	7,797.8	12.6	7.6	109.39	-284.9	664.4	603.3	584.6	18.68	32.301	
7,885.0	7,879.9	7,897.7	7,886.8	12.7	7.7	109.54	-286.2	663.4	602.9	584.1	18.80	32.068	
7,900.0	7,894.9	7,912.7	7,901.8	12.7	7.7	109.57	-286.4	663.2	602.7	583.9	18.82	32.026	
7,980.0	7,974.9	7,994.7	7,983.8	12.8	7.8	109.73	-287.7	661.9	601.9	583.0	18.93	31.791	
8,000.0	7,994.9	8,014.8	8,003.9	12.8	7.8	109.76	-288.0	661.5	601.6	582.7	18.96	31.732	
8,075.0	8,069.9	8,092.4	8,081.5	12.8	7.8	109.76	-287.6	660.5	600.6	581.6	19.06	31.508	
8,100.0	8,094.9	8,117.1	8,106.2	12.9	7.8	109.71	-286.9	660.3	600.2	581.1	19.09	31.434	
8,170.0	8,164.9	8,190.1	8,179.1	12.9	7.8	109.55	-284.9	659.7	599.0	579.8	19.19	31.216	
8,200.0	8,194.9	8,223.1	8,212.1	12.9	7.8	109.49	-284.1	659.1	598.3	579.1	19.23	31.108	
8,265.0	8,259.9	8,289.2	8,278.2	13.0	7.9	109.42	-282.8	657.7	596.5	577.2	19.32	30.873	
8,300.0	8,294.9	8,321.7	8,310.7	13.0	7.9	109.40	-282.3	657.0	595.6	576.2	19.36	30.759	
8,360.0	8,354.9	8,377.9	8,366.9	13.0	7.9	109.42	-282.2	655.8	594.4	574.9	19.44	30.575	
8,400.0	8,394.9	8,419.7	8,408.6	13.1	7.9	109.48	-282.5	654.8	593.6	574.1	19.50	30.444	
8,455.0	8,449.9	8,475.6	8,464.5	13.1	8.0	109.62	-283.5	653.3	592.5	572.9	19.58	30.261	
8,500.0	8,494.9	8,520.7	8,509.6	13.2	8.0	109.74	-284.3	651.9	591.5	571.8	19.64	30.110	
8,550.0	8,544.9	8,569.6	8,558.4	13.2	8.1	109.78	-284.4	650.8	590.4	570.7	19.71	29.952	
8,600.0	8,594.9	8,621.4	8,610.2	13.2	8.1	109.73	-283.5	650.0	589.4	569.6	19.78	29.791	
8,645.0	8,639.9	8,664.0	8,652.9	13.3	8.1	109.68	-282.7	649.3	588.5	568.6	19.84	29.657	
8,700.0	8,694.9	8,720.9	8,709.7	13.3	8.1	109.65	-282.0	648.3	587.4	567.4	19.92	29.482	
8,740.0	8,734.9	8,759.0	8,747.8	13.3	8.1	109.64	-281.7	647.7	586.6	566.6	19.97	29.367	
8,800.0	8,794.9	8,819.8	8,808.6	13.4	8.2	109.65	-281.4	646.5	585.4	565.3	20.05	29.200	
8,835.0	8,829.9	8,855.2	8,844.0	13.4	8.2	109.67	-281.3	645.7	584.7	564.6	20.09	29.108	
8,900.0	8,894.9	8,918.8	8,907.6	13.5	8.2	109.72	-281.4	644.3	583.3	563.2	20.15	28.952	
8,930.0	8,924.9	8,946.3	8,935.1	13.5	8.2	109.65	-280.6	644.2	582.8	562.7	20.18	28.886	
9,000.0	8,994.9	9,009.1	8,997.3	13.5	8.2	108.89	-273.0	646.3	582.3	562.1	20.25	28.758	
9,009.0	9,003.9	9,017.8	9,005.8	13.5	8.2	108.70	-271.3	646.9	582.3	562.0	20.26	28.745	
9,025.0	9,019.9	9,033.0	9,020.5	13.6	8.2	108.33	-267.7	648.1	582.3	562.0	20.27	28.724	
9,100.0	9,094.9	9,131.9	9,114.5	13.6	8.3	105.30	-237.9	656.0	581.5	561.2	20.33	28.600	
9,120.0	9,114.9	9,178.6	9,157.8	13.6	8.3	103.61	-220.7	658.0	580.4	559.9	20.40	28.442	
9,200.0	9,194.9	9,250.8	9,219.9	13.7	8.4	99.99	-184.3	661.6	575.5	555.0	20.45	28.135	
9,215.0	9,209.9	9,261.8	9,228.8	13.7	8.4	99.35	-177.9	662.4	574.9	554.5	20.46	28.094	
9,255.2	9,250.1	9,290.9	9,252.0	13.7	8.5	97.60	-160.5	664.6	574.3	553.8	20.52	27.995	
9,300.0	9,294.9	9,328.0	9,280.9	13.8	8.5	95.27	-137.4	667.6	575.0	554.3	20.61	27.900	
9,310.0	9,304.9	9,337.3	9,288.0	13.8	8.5	94.68	-131.5	668.4	575.3	554.6	20.63	27.883	
9,400.0	9,394.9	9,439.0	9,359.8	13.8	8.7	87.55	-59.9	672.5	578.9	558.0	20.87	27.743	
9,405.0	9,399.9	9,441.7	9,361.5	13.8	8.7	87.34	-57.7	672.5	579.2	558.3	20.89	27.727	
9,500.0	9,494.9	9,489.1	9,389.5	13.9	8.8	83.58	-19.5	673.0	591.1	569.5	21.61	27.359	
9,595.0	9,589.9	9,523.0	9,408.1	14.0	8.8	80.82	8.8	673.4	613.7	590.9	22.80	26.917	
9,600.0	9,594.9	9,523.0	9,408.1	14.0	8.8	80.82	8.8	673.4	615.3	592.4	22.89	26.881	
9,690.0	9,684.9	9,559.1	9,426.5	14.1	8.9	77.87	39.9	674.2	646.8	622.6	24.21	26.714	
9,700.0	9,694.9	9,572.0	9,432.6	14.1	8.9	76.81	51.3	674.6	651.1	626.8	24.28	26.814	
9,736.1	9,731.0	9,572.0	9,432.6	14.1	8.9	76.81	51.3	674.6	666.5	641.5	24.99	26.673	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
9,750.0	9,744.9	9,572.0	9,432.6	14.1	8.9	76.24	51.3	674.6	672.9	647.6	25.25	26.649	
9,785.0	9,779.9	9,586.9	9,439.3	14.1	8.9	73.28	64.5	675.1	689.2	663.5	25.77	26.751	
9,800.0	9,794.8	9,591.8	9,441.5	14.1	8.9	72.12	68.9	675.3	696.4	670.4	26.00	26.785	
9,850.0	9,844.2	9,608.7	9,448.8	14.2	8.9	68.28	84.2	676.0	721.0	694.2	26.77	26.931	
9,880.0	9,873.4	9,619.0	9,453.0	14.2	9.0	66.01	93.5	676.4	736.0	708.8	27.22	27.034	
9,900.0	9,892.7	9,627.7	9,456.5	14.2	9.0	64.42	101.5	676.8	746.0	718.5	27.50	27.124	
9,950.0	9,940.0	9,649.2	9,464.8	14.3	9.0	60.66	121.3	677.7	771.1	742.9	28.19	27.353	
9,975.0	9,963.1	9,667.0	9,471.4	14.3	9.0	58.54	137.8	678.5	783.5	755.1	28.46	27.528	
10,000.0	9,985.7	9,673.8	9,473.9	14.4	9.0	57.05	144.2	678.9	795.7	766.9	28.82	27.610	
10,050.0	10,029.4	9,707.9	9,485.9	14.4	9.1	53.46	176.0	680.3	819.3	789.9	29.35	27.914	
10,070.0	10,046.3	9,714.0	9,488.0	14.5	9.1	52.43	181.7	680.5	828.3	798.7	29.61	27.973	
10,100.0	10,070.9	9,734.6	9,494.8	14.5	9.1	50.60	201.1	681.3	841.5	811.6	29.91	28.131	
10,150.0	10,109.9	9,760.0	9,502.7	14.6	9.2	48.13	225.3	682.3	862.3	831.9	30.46	28.315	
10,165.0	10,121.0	9,760.0	9,502.7	14.6	9.2	47.64	225.3	682.3	868.4	837.7	30.66	28.324	
10,200.0	10,145.9	9,780.1	9,508.4	14.7	9.2	46.09	244.6	683.1	881.8	850.9	31.00	28.447	
10,250.0	10,178.7	9,807.0	9,515.0	14.7	9.3	44.20	270.6	684.3	900.0	868.6	31.47	28.598	
10,260.0	10,184.9	9,807.0	9,515.0	14.7	9.3	43.95	270.6	684.3	903.4	871.9	31.59	28.601	
10,300.0	10,208.2	9,824.2	9,518.8	14.8	9.3	42.74	287.3	685.2	916.5	884.6	31.95	28.683	
10,350.0	10,234.0	9,856.0	9,524.9	14.9	9.4	41.34	318.5	687.0	931.3	899.0	32.34	28.797	
10,355.0	10,236.4	9,856.0	9,524.9	14.9	9.4	41.25	318.5	687.0	932.6	900.3	32.39	28.796	
10,400.0	10,256.0	9,872.1	9,527.6	14.9	9.4	40.35	334.3	688.0	944.1	911.3	32.74	28.833	
10,450.0	10,274.0	9,903.0	9,531.8	15.0	9.5	39.47	364.9	690.3	955.1	922.1	33.07	28.885	
10,500.0	10,287.9	9,903.0	9,531.8	15.0	9.5	38.88	364.9	690.3	964.3	930.9	33.40	28.868	
10,545.0	10,296.8	9,934.7	9,534.6	15.1	9.5	38.44	396.3	692.8	970.6	937.0	33.63	28.865	
10,550.0	10,297.5	9,950.0	9,535.3	15.1	9.6	38.41	411.6	694.1	971.5	937.8	33.65	28.873	
10,600.0	10,302.9	9,965.0	9,535.9	15.1	9.6	38.14	426.5	695.3	976.4	942.5	33.88	28.821	
10,634.6	10,304.0	9,991.7	9,536.5	15.2	9.7	38.10	453.1	697.4	978.4	944.4	34.01	28.772	
10,640.0	10,304.0	9,995.9	9,536.5	15.2	9.7	38.12	457.3	697.7	978.6	944.6	34.02	28.762	
10,700.0	10,304.2	10,045.0	9,536.5	15.2	9.9	38.28	506.3	701.2	981.4	947.1	34.24	28.660	
10,735.0	10,304.3	10,072.5	9,536.1	15.3	10.1	38.34	533.8	702.9	983.3	948.9	34.39	28.591	
10,800.0	10,304.4	10,129.3	9,534.4	15.3	10.4	38.43	590.4	706.2	987.3	952.7	34.69	28.460	
10,830.0	10,304.5	10,153.9	9,533.5	15.4	10.5	38.46	614.9	707.5	989.4	954.6	34.84	28.396	
10,900.0	10,304.7	10,208.5	9,530.8	15.5	10.8	38.51	669.4	710.8	994.9	959.7	35.20	28.269	
10,925.0	10,304.8	10,235.0	9,529.3	15.5	11.0	38.54	695.8	712.6	997.2	961.9	35.35	28.211	
11,000.0	10,305.0	10,333.3	9,523.2	15.7	11.6	38.51	793.8	716.8	1,003.2	967.3	35.91	27.934	
11,020.0	10,305.0	10,376.7	9,520.7	15.7	11.8	38.42	837.1	716.9	1,004.2	968.1	36.14	27.785	
11,100.0	10,305.2	10,552.3	9,516.1	15.9	13.0	37.77	1,012.2	706.0	1,002.6	965.5	37.05	27.058	
11,115.0	10,305.3	10,569.0	9,516.3	16.0	13.1	37.72	1,028.9	704.6	1,001.7	964.6	37.19	26.939	
11,200.0	10,305.5	10,669.7	9,519.9	16.2	13.8	37.55	1,129.2	698.1	996.3	958.4	37.91	26.278	
11,210.0	10,305.5	10,682.1	9,520.6	16.3	13.9	37.54	1,141.7	697.4	995.5	957.5	38.00	26.198	
11,300.0	10,305.8	10,767.3	9,525.7	16.6	14.5	37.52	1,226.5	692.9	988.6	949.8	38.76	25.506	
11,305.0	10,305.8	10,771.6	9,526.0	16.6	14.6	37.51	1,230.8	692.6	988.2	949.4	38.80	25.468	
11,400.0	10,306.0	10,877.7	9,531.3	17.0	15.4	37.41	1,336.6	686.2	981.4	941.7	39.68	24.733	
11,495.0	10,306.3	10,950.9	9,534.8	17.4	15.9	37.31	1,409.5	681.3	974.2	933.7	40.55	24.023	
11,500.0	10,306.3	10,954.3	9,535.0	17.4	15.9	37.30	1,412.9	681.1	973.9	933.3	40.60	23.989	
11,590.0	10,306.5	11,013.9	9,536.5	17.8	16.4	37.23	1,472.5	678.5	970.0	928.6	41.42	23.420	
11,600.0	10,306.6	11,020.3	9,536.6	17.9	16.4	37.22	1,478.9	678.2	969.7	928.2	41.51	23.363	
11,685.0	10,306.8	11,086.0	9,535.9	18.3	16.9	37.12	1,544.5	676.4	969.1	926.8	42.31	22.903	
11,688.9	10,306.8	11,086.0	9,535.9	18.3	16.9	37.12	1,544.5	676.4	969.1	926.8	42.34	22.888	
11,700.0	10,306.8	11,086.0	9,535.9	18.4	16.9	37.12	1,544.5	676.4	969.2	926.8	42.42	22.850	
11,780.0	10,307.0	11,159.2	9,533.5	18.8	17.5	36.96	1,617.7	674.8	970.5	927.2	43.23	22.447	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
11,800.0	10,307.1	11,178.1	9,532.8	18.9	17.6	36.91	1,636.6	674.3	970.9	927.4	43.44	22.348	
11,875.0	10,307.3	11,236.7	9,529.9	19.3	18.1	36.74	1,695.1	672.9	973.0	928.8	44.19	22.017	
11,900.0	10,307.4	11,256.0	9,528.7	19.4	18.3	36.67	1,714.4	672.4	973.9	929.5	44.44	21.917	
11,970.0	10,307.5	11,322.3	9,524.0	19.8	18.8	36.44	1,780.4	670.9	977.2	932.0	45.21	21.615	
12,000.0	10,307.6	11,353.8	9,522.0	19.9	19.0	36.34	1,811.9	670.3	978.6	933.0	45.56	21.481	
12,065.0	10,307.8	11,428.5	9,518.3	20.3	19.6	36.20	1,886.5	670.0	981.2	934.9	46.34	21.174	
12,100.0	10,307.9	11,469.9	9,517.3	20.5	19.9	36.19	1,927.9	670.6	982.3	935.6	46.76	21.009	
12,160.0	10,308.0	11,520.1	9,516.4	20.8	20.3	36.23	1,978.0	672.0	984.4	937.0	47.38	20.774	
12,200.0	10,308.1	11,554.2	9,515.8	21.1	20.6	36.28	2,012.1	673.4	986.0	938.2	47.80	20.627	
12,255.0	10,308.3	11,675.9	9,517.5	21.4	21.6	36.44	2,133.7	675.7	985.8	937.1	48.68	20.249	
12,300.0	10,308.4	11,707.0	9,518.2	21.7	21.8	36.46	2,164.8	675.6	985.0	935.9	49.16	20.036	
12,329.6	10,308.5	11,727.5	9,518.4	21.8	22.0	36.47	2,185.3	675.6	984.9	935.4	49.48	19.905	
12,350.0	10,308.5	11,752.0	9,518.3	22.0	22.2	36.47	2,209.8	675.6	985.1	935.3	49.74	19.805	
12,400.0	10,308.7	11,822.4	9,520.1	22.3	22.8	36.49	2,280.1	674.7	983.6	933.2	50.40	19.516	
12,445.0	10,308.8	11,901.6	9,524.1	22.5	23.4	36.55	2,359.3	673.1	981.2	930.2	51.01	19.234	
12,500.0	10,308.9	11,943.0	9,526.6	22.9	23.7	36.60	2,400.5	672.1	978.0	926.4	51.65	18.935	
12,540.0	10,309.1	11,973.9	9,528.1	23.1	24.0	36.62	2,431.4	671.5	976.2	924.0	52.12	18.728	
12,600.0	10,309.2	12,009.2	9,528.7	23.5	24.3	36.60	2,466.7	670.6	974.7	921.9	52.79	18.463	
12,635.0	10,309.3	12,039.0	9,528.3	23.7	24.5	36.55	2,496.5	669.9	974.6	921.4	53.22	18.315	
12,700.0	10,309.5	12,173.4	9,530.0	24.1	25.6	36.44	2,630.7	666.2	974.4	920.2	54.20	17.978	
12,730.0	10,309.6	12,211.1	9,533.2	24.3	25.9	36.50	2,668.2	665.1	971.9	917.4	54.58	17.808	
12,800.0	10,309.7	12,277.6	9,539.0	24.7	26.5	36.58	2,734.5	662.6	965.7	910.2	55.46	17.414	
12,825.0	10,309.8	12,292.7	9,540.2	24.9	26.6	36.60	2,749.5	662.1	963.8	908.0	55.77	17.282	
12,900.0	10,310.0	12,354.0	9,543.4	25.4	27.1	36.66	2,810.7	660.9	959.8	903.1	56.71	16.925	
12,920.0	10,310.1	12,354.0	9,543.4	25.5	27.1	36.66	2,810.7	660.9	958.8	901.9	56.93	16.843	
12,988.2	10,310.2	12,387.1	9,544.3	26.0	27.4	36.70	2,843.8	661.0	957.7	900.0	57.69	16.599	
13,000.0	10,310.3	12,393.4	9,544.4	26.0	27.4	36.71	2,850.1	661.1	957.7	899.9	57.82	16.563	
13,015.0	10,310.3	12,401.4	9,544.4	26.1	27.5	36.72	2,858.1	661.3	957.9	899.9	57.99	16.519	
13,100.0	10,310.5	12,449.0	9,544.1	26.7	27.9	36.81	2,905.6	663.4	960.8	901.9	58.87	16.319	
13,110.0	10,310.6	12,449.0	9,544.1	26.8	27.9	36.81	2,905.6	663.4	961.3	902.4	58.94	16.311	
13,200.0	10,310.8	12,533.9	9,541.8	27.3	28.6	36.98	2,990.3	668.6	966.9	906.9	60.07	16.098	
13,205.0	10,310.8	12,538.3	9,541.7	27.4	28.6	36.99	2,994.7	668.9	967.3	907.1	60.13	16.087	
13,300.0	10,311.1	12,608.1	9,538.7	28.0	29.2	37.11	3,064.3	673.8	974.9	913.7	61.17	15.938	
13,395.0	10,311.3	12,736.6	9,532.2	28.7	30.2	37.31	3,192.3	682.9	983.5	920.8	62.69	15.688	
13,400.0	10,311.3	12,746.0	9,531.8	28.7	30.3	37.31	3,201.7	683.3	983.8	921.0	62.79	15.668	
13,490.0	10,311.6	12,857.6	9,530.6	29.3	31.2	37.51	3,313.1	688.5	987.3	923.2	64.13	15.395	
13,500.0	10,311.6	12,866.6	9,530.6	29.4	31.3	37.53	3,322.1	688.9	987.7	923.4	64.26	15.369	
13,585.0	10,311.8	12,944.5	9,529.9	29.9	32.0	37.66	3,399.9	692.3	990.9	925.5	65.37	15.158	
13,600.0	10,311.9	12,958.6	9,529.6	30.0	32.1	37.68	3,414.0	692.9	991.5	925.9	65.57	15.122	
13,680.0	10,312.1	13,034.6	9,528.3	30.6	32.7	37.78	3,489.9	696.2	995.0	928.4	66.63	14.933	
13,700.0	10,312.1	13,054.0	9,528.0	30.7	32.9	37.82	3,509.3	697.2	996.0	929.1	66.90	14.887	
13,775.0	10,312.3	13,167.4	9,528.0	31.2	33.8	38.10	3,622.6	703.5	999.2	931.1	68.14	14.663	
13,800.0	10,312.4	13,186.1	9,528.9	31.4	34.0	38.15	3,641.2	703.8	998.8	930.3	68.46	14.590	
13,810.3	10,312.4	13,231.8	9,530.5	31.5	34.3	38.27	3,686.8	705.2	998.7	929.9	68.74	14.528	
13,870.0	10,312.6	13,295.8	9,533.5	31.9	34.9	38.42	3,750.7	706.2	997.3	927.7	69.58	14.333	
13,900.0	10,312.7	13,329.9	9,535.2	32.1	35.2	38.50	3,784.8	706.6	996.5	926.5	70.01	14.234	
13,965.0	10,312.8	13,404.4	9,539.3	32.6	35.8	38.68	3,859.2	707.3	994.3	923.3	70.94	14.016	
14,000.0	10,312.9	13,443.3	9,541.5	32.8	36.1	38.77	3,898.1	707.4	992.8	921.4	71.43	13.899	
14,060.0	10,313.1	13,507.4	9,545.1	33.2	36.6	38.87	3,962.1	706.8	990.1	917.8	72.28	13.697	
14,100.0	10,313.2	13,546.0	9,547.1	33.5	37.0	38.92	4,000.6	706.2	988.2	915.4	72.85	13.566	
14,155.0	10,313.3	13,599.2	9,549.5	33.9	37.4	38.96	4,053.8	705.2	985.8	912.2	73.63	13.389	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
14,200.0	10,313.5	13,643.1	9,551.4	34.2	37.8	38.98	4,097.6	704.2	983.9	909.6	74.27	13.247	
14,250.0	10,313.6	13,691.5	9,553.3	34.6	38.2	39.00	4,145.9	703.1	981.8	906.8	74.98	13.093	
14,300.0	10,313.7	13,738.6	9,555.1	34.9	38.6	39.02	4,193.0	702.1	979.8	904.1	75.69	12.944	
14,345.0	10,313.8	13,781.6	9,556.6	35.2	38.9	39.04	4,235.9	701.2	978.1	901.8	76.33	12.814	
14,400.0	10,314.0	13,838.1	9,558.8	35.6	39.4	39.08	4,292.4	700.3	976.1	899.0	77.13	12.655	
14,440.0	10,314.1	13,878.5	9,560.6	35.9	39.7	39.13	4,332.7	699.9	974.6	896.9	77.71	12.542	
14,500.0	10,314.2	13,936.6	9,563.1	36.3	40.2	39.19	4,390.7	699.2	972.3	893.8	78.57	12.376	
14,535.0	10,314.3	13,970.6	9,564.4	36.6	40.5	39.22	4,424.7	698.7	971.1	892.0	79.07	12.281	
14,600.0	10,314.5	14,034.1	9,566.7	37.0	41.0	39.26	4,488.2	697.7	968.9	888.9	80.01	12.109	
14,630.0	10,314.6	14,056.0	9,567.5	37.2	41.2	39.27	4,510.1	697.4	967.9	887.5	80.43	12.035	
14,700.0	10,314.8	14,116.0	9,568.7	37.7	41.7	39.26	4,570.1	696.2	966.3	884.8	81.42	11.868	
14,725.0	10,314.8	14,135.3	9,568.7	37.9	41.9	39.24	4,589.4	695.8	966.0	884.2	81.76	11.814	
14,800.0	10,315.0	14,205.7	9,567.6	38.5	42.5	39.10	4,659.7	693.5	965.6	882.7	82.85	11.655	
14,820.0	10,315.1	14,225.7	9,567.2	38.6	42.7	39.05	4,679.7	692.8	965.5	882.4	83.14	11.613	
14,878.0	10,315.2	14,279.6	9,565.9	39.0	43.1	38.90	4,733.6	690.6	965.3	881.4	83.98	11.494	
14,900.0	10,315.3	14,299.4	9,565.4	39.2	43.3	38.85	4,753.3	689.9	965.4	881.1	84.30	11.452	
14,915.0	10,315.3	14,312.9	9,565.0	39.3	43.4	38.81	4,766.8	689.4	965.4	880.9	84.51	11.423	
15,000.0	10,315.6	14,390.3	9,562.3	39.9	44.1	38.59	4,844.1	686.7	966.1	880.4	85.73	11.269	
15,010.0	10,315.6	14,399.4	9,562.0	40.0	44.1	38.56	4,853.2	686.3	966.2	880.3	85.88	11.251	
15,100.0	10,315.8	14,490.8	9,557.9	40.6	44.9	38.24	4,944.4	682.7	967.5	880.3	87.23	11.092	
15,105.0	10,315.8	14,496.2	9,557.7	40.6	45.0	38.22	4,949.8	682.5	967.5	880.2	87.30	11.083	
15,200.0	10,316.1	14,641.5	9,556.7	41.3	46.2	37.98	5,095.0	678.0	966.8	877.9	88.90	10.875	
15,295.0	10,316.4	14,740.1	9,559.5	42.0	47.0	37.91	5,193.5	674.3	962.8	872.5	90.31	10.661	
15,300.0	10,316.4	14,744.7	9,559.6	42.1	47.1	37.91	5,198.1	674.1	962.6	872.2	90.38	10.650	
15,390.0	10,316.6	14,827.8	9,561.7	42.7	47.8	37.82	5,281.1	670.8	959.0	867.2	91.71	10.456	
15,400.0	10,316.6	14,837.1	9,561.8	42.8	47.9	37.81	5,290.4	670.4	958.6	866.7	91.86	10.435	
15,485.0	10,316.9	14,916.0	9,562.8	43.4	48.5	37.69	5,369.2	667.0	955.8	862.6	93.12	10.264	
15,500.0	10,316.9	14,929.4	9,562.9	43.5	48.6	37.66	5,382.6	666.4	955.3	862.0	93.34	10.235	
15,580.0	10,317.1	15,002.0	9,562.7	44.1	49.3	37.48	5,455.1	662.8	953.4	858.9	94.52	10.087	
15,600.0	10,317.2	15,020.0	9,562.5	44.2	49.4	37.43	5,473.1	661.9	953.0	858.2	94.81	10.052	
15,675.0	10,317.4	15,092.3	9,561.5	44.8	50.0	37.22	5,545.3	658.3	951.8	855.8	95.93	9.921	
15,700.0	10,317.4	15,119.0	9,561.2	45.0	50.3	37.15	5,572.0	656.9	951.4	855.0	96.31	9.878	
15,770.0	10,317.6	15,195.4	9,560.5	45.5	50.9	36.94	5,648.2	653.0	949.9	852.5	97.38	9.754	
15,800.0	10,317.7	15,222.5	9,560.5	45.7	51.1	36.88	5,675.3	651.8	949.3	851.4	97.83	9.703	
15,865.0	10,317.9	15,282.4	9,560.8	46.2	51.6	36.81	5,735.2	650.1	948.1	849.3	98.79	9.597	
15,900.0	10,318.0	15,307.2	9,561.1	46.4	51.9	36.81	5,760.0	649.8	947.7	848.4	99.27	9.547	
15,913.8	10,318.0	15,316.6	9,561.1	46.5	51.9	36.81	5,769.3	649.8	947.7	848.2	99.46	9.529	
15,960.0	10,318.1	15,347.7	9,561.2	46.9	52.2	36.82	5,800.5	650.1	948.0	848.0	100.06	9.474	
16,000.0	10,318.2	15,382.0	9,560.9	47.1	52.5	36.86	5,834.8	651.0	949.0	848.4	100.63	9.431	
16,055.0	10,318.4	15,424.7	9,560.4	47.6	52.9	36.91	5,877.4	652.5	950.8	849.4	101.36	9.381	
16,100.0	10,318.5	15,468.3	9,559.8	47.9	53.2	36.96	5,921.0	654.0	952.4	850.4	102.02	9.335	
16,150.0	10,318.6	15,514.5	9,559.0	48.2	53.6	37.01	5,967.2	655.6	954.3	851.6	102.74	9.289	
16,200.0	10,318.8	15,560.3	9,557.9	48.6	54.0	37.04	6,012.9	657.1	956.4	853.0	103.45	9.245	
16,245.0	10,318.9	15,609.2	9,556.8	48.9	54.4	37.09	6,061.8	658.9	958.4	854.2	104.16	9.201	
16,300.0	10,319.0	15,672.9	9,556.5	49.3	55.0	37.23	6,125.4	662.0	960.4	855.3	105.06	9.141	
16,340.0	10,319.1	15,700.1	9,556.4	49.6	55.2	37.29	6,152.6	663.4	961.9	856.4	105.56	9.113	
16,400.0	10,319.3	15,744.1	9,555.6	50.1	55.6	37.38	6,196.5	666.0	965.1	858.8	106.30	9.079	
16,435.0	10,319.4	15,781.2	9,554.5	50.3	55.9	37.45	6,233.6	668.2	967.4	860.5	106.85	9.054	
16,500.0	10,319.5	15,873.2	9,555.5	50.8	56.6	37.80	6,325.3	674.9	969.7	861.7	108.08	8.973	
16,530.0	10,319.6	15,894.9	9,556.1	51.0	56.8	37.91	6,346.8	676.7	970.8	862.3	108.46	8.951	
16,600.0	10,319.8	15,951.0	9,556.9	51.6	57.3	38.19	6,402.7	682.1	974.3	864.9	109.38	8.908	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
16,625.0	10,319.9	15,974.7	9,557.1	51.7	57.5	38.30	6,426.2	684.5	975.8	866.1	109.75	8.892	
16,700.0	10,320.1	16,076.2	9,559.9	52.3	58.3	38.85	6,527.3	694.2	978.9	867.8	111.12	8.810	
16,720.0	10,320.1	16,101.9	9,560.9	52.4	58.6	38.99	6,552.9	696.3	979.4	868.0	111.46	8.787	
16,800.0	10,320.3	16,197.5	9,564.8	53.0	59.4	39.43	6,648.2	702.8	980.6	867.8	112.78	8.695	
16,815.0	10,320.4	16,214.6	9,565.5	53.1	59.5	39.49	6,665.2	703.7	980.7	867.6	113.02	8.677	
16,900.0	10,320.6	16,317.7	9,569.7	53.8	60.4	39.83	6,768.1	707.7	980.4	866.0	114.39	8.570	
16,910.0	10,320.6	16,330.0	9,570.3	53.8	60.5	39.87	6,780.4	708.1	980.3	865.7	114.55	8.557	
17,000.0	10,320.9	16,405.5	9,573.3	54.5	61.1	40.08	6,855.8	710.3	979.6	863.7	115.87	8.454	
17,001.0	10,320.9	16,406.3	9,573.3	54.5	61.1	40.08	6,856.6	710.3	979.6	863.7	115.88	8.453	
17,005.0	10,320.9	16,409.6	9,573.4	54.5	61.1	40.09	6,860.0	710.5	979.6	863.6	115.94	8.449	
17,100.0	10,321.1	16,476.1	9,574.9	55.3	61.7	40.28	6,926.3	713.3	980.9	863.7	117.21	8.369	
17,195.0	10,321.4	16,552.5	9,574.4	56.0	62.4	40.45	7,002.6	717.6	985.1	866.6	118.49	8.314	
17,200.0	10,321.4	16,557.9	9,574.3	56.0	62.4	40.46	7,008.0	717.9	985.3	866.7	118.57	8.310	
17,290.0	10,321.6	16,757.1	9,577.8	56.7	64.1	40.60	7,207.0	718.2	984.4	864.0	120.40	8.176	
17,300.0	10,321.7	16,766.2	9,578.2	56.7	64.2	40.60	7,216.0	717.8	983.8	863.2	120.56	8.160	
17,385.0	10,321.9	16,829.4	9,580.6	57.4	64.7	40.57	7,279.1	714.9	979.2	857.3	121.88	8.034	
17,400.0	10,321.9	16,838.4	9,580.8	57.5	64.8	40.56	7,288.2	714.6	978.6	856.5	122.10	8.015	
17,480.0	10,322.1	16,897.0	9,581.1	58.1	65.3	40.52	7,346.7	713.4	977.4	854.1	123.28	7.928	
17,491.1	10,322.2	16,897.0	9,581.1	58.2	65.3	40.52	7,346.7	713.4	977.3	853.9	123.40	7.920	
17,500.0	10,322.2	16,899.8	9,581.1	58.2	65.3	40.52	7,349.5	713.4	977.4	853.8	123.51	7.913	
17,575.0	10,322.4	16,975.1	9,580.0	58.8	65.9	40.43	7,424.8	712.4	977.8	853.1	124.66	7.843	
17,600.0	10,322.5	17,001.3	9,579.5	59.0	66.2	40.39	7,451.0	711.9	978.0	852.9	125.06	7.820	
17,670.0	10,322.6	17,080.9	9,578.2	59.5	66.9	40.25	7,530.5	710.0	977.9	851.8	126.18	7.750	
17,681.1	10,322.7	17,093.5	9,578.1	59.6	67.0	40.23	7,543.1	709.6	977.9	851.5	126.36	7.739	
17,700.0	10,322.7	17,087.0	9,578.2	59.7	66.9	40.24	7,536.7	709.8	978.1	851.6	126.51	7.732	
17,765.0	10,322.9	17,132.1	9,576.7	60.2	67.3	40.16	7,581.7	709.1	979.4	852.1	127.34	7.692	
17,800.0	10,323.0	17,149.7	9,575.7	60.5	67.4	40.12	7,599.3	709.1	981.1	853.4	127.69	7.684	
17,860.0	10,323.2	17,180.0	9,573.3	60.9	67.7	40.05	7,629.5	709.5	985.5	857.3	128.21	7.686	
17,900.0	10,323.3	17,317.4	9,568.0	61.2	68.9	39.94	7,766.7	711.6	987.7	857.9	129.75	7.612	
17,955.0	10,323.4	17,404.9	9,572.1	61.6	69.6	40.04	7,854.1	710.4	984.9	854.3	130.65	7.539	
18,000.0	10,323.5	17,437.6	9,573.9	61.9	69.9	40.11	7,886.8	710.3	983.2	851.9	131.34	7.486	
18,050.0	10,323.7	17,489.6	9,576.4	62.3	70.3	40.23	7,938.6	710.9	981.9	849.8	132.12	7.432	
18,100.0	10,323.8	17,567.6	9,581.1	62.7	71.0	40.36	8,016.5	709.9	979.3	846.4	132.86	7.371	
18,145.0	10,323.9	17,608.9	9,583.8	63.0	71.3	40.42	8,057.7	709.0	976.6	843.0	133.57	7.311	
18,200.0	10,324.1	17,652.0	9,586.7	63.4	71.7	40.51	8,100.7	708.5	973.5	839.1	134.44	7.241	
18,240.0	10,324.2	17,687.7	9,588.9	63.7	72.0	40.59	8,136.3	708.2	971.6	836.5	135.06	7.194	
18,300.0	10,324.3	17,732.2	9,590.9	64.2	72.4	40.65	8,180.8	708.0	969.6	833.6	135.98	7.130	
18,335.0	10,324.4	17,761.4	9,591.8	64.4	72.6	40.68	8,210.0	707.8	968.8	832.3	136.51	7.097	
18,400.0	10,324.6	17,822.3	9,593.0	64.9	73.2	40.69	8,270.9	707.2	967.6	830.1	137.51	7.037	
18,430.0	10,324.7	17,850.1	9,593.2	65.2	73.4	40.68	8,298.6	706.7	967.2	829.2	137.96	7.010	
18,500.0	10,324.8	17,912.8	9,592.6	65.7	73.9	40.57	8,361.4	704.7	966.5	827.5	139.02	6.952	
18,525.0	10,324.9	17,935.4	9,591.9	65.9	74.1	40.50	8,383.9	703.7	966.4	827.0	139.40	6.933	
18,600.0	10,325.1	18,043.6	9,589.2	66.4	75.1	40.03	8,491.8	695.7	964.4	823.8	140.63	6.858	
18,620.0	10,325.2	18,059.0	9,588.8	66.6	75.2	39.95	8,507.1	694.3	963.7	822.7	140.94	6.838	
18,700.0	10,325.4	18,125.0	9,587.0	67.2	75.8	39.67	8,572.9	689.5	961.8	819.7	142.15	6.766	
18,715.0	10,325.4	18,135.2	9,586.7	67.3	75.8	39.62	8,583.1	688.9	961.6	819.3	142.37	6.755	
18,800.0	10,325.6	18,220.0	9,584.2	67.9	76.6	39.27	8,667.6	683.3	960.3	816.6	143.68	6.684	
18,810.0	10,325.7	18,232.4	9,583.8	68.0	76.7	39.22	8,680.1	682.5	960.1	816.3	143.84	6.675	
18,900.0	10,325.9	18,306.0	9,582.6	68.7	77.3	39.04	8,753.6	679.7	959.6	814.4	145.16	6.610	
18,905.0	10,325.9	18,315.0	9,582.5	68.7	77.4	39.04	8,762.5	679.6	959.6	814.3	145.26	6.606	
18,934.0	10,326.0	18,355.8	9,582.5	68.9	77.7	39.01	8,803.4	679.1	959.5	813.7	145.76	6.583	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
19,000.0	10,326.2	18,409.0	9,583.2	69.4	78.2	38.97	8,856.5	677.5	958.0	811.2	146.73	6.529	
19,040.2	10,326.3	18,448.3	9,583.5	69.7	78.5	38.93	8,895.8	676.4	957.2	809.9	147.35	6.496	
19,095.0	10,326.4	18,476.6	9,582.9	70.1	78.8	38.89	8,924.1	676.1	958.0	810.0	148.01	6.472	
19,100.0	10,326.4	18,479.2	9,582.8	70.2	78.8	38.89	8,926.7	676.1	958.1	810.0	148.07	6.471	
19,190.0	10,326.7	18,545.4	9,579.3	70.8	79.4	38.78	8,992.8	676.7	962.4	813.2	149.20	6.451	
19,200.0	10,326.7	18,555.3	9,578.7	70.9	79.5	38.76	9,002.7	676.7	963.0	813.6	149.35	6.448	
19,285.0	10,326.9	18,652.2	9,573.2	71.6	80.3	38.59	9,099.4	677.3	967.4	816.6	150.81	6.415	
19,300.0	10,327.0	18,671.6	9,572.6	71.7	80.5	38.59	9,118.8	677.8	968.0	816.9	151.09	6.407	
19,380.0	10,327.2	18,762.7	9,571.5	72.3	81.2	38.67	9,209.9	680.4	970.5	818.0	152.44	6.366	
19,400.0	10,327.2	18,784.7	9,571.4	72.4	81.4	38.69	9,231.8	681.0	971.0	818.2	152.77	6.356	
19,475.0	10,327.4	18,841.3	9,570.7	73.0	81.9	38.75	9,288.4	682.8	973.5	819.8	153.75	6.332	
19,500.0	10,327.5	18,859.9	9,570.2	73.2	82.1	38.76	9,307.0	683.5	974.7	820.6	154.07	6.326	
19,570.0	10,327.7	18,915.6	9,568.4	73.7	82.5	38.82	9,362.6	686.1	978.7	823.8	154.97	6.316	
19,600.0	10,327.8	18,940.6	9,567.4	73.9	82.8	38.84	9,387.5	687.4	980.7	825.4	155.36	6.313	
19,665.0	10,327.9	19,038.1	9,564.3	74.4	83.6	38.88	9,484.9	690.8	983.9	827.1	156.78	6.275	
19,700.0	10,328.0	19,117.1	9,563.6	74.7	84.3	38.86	9,563.8	690.9	984.2	826.5	157.64	6.243	
19,760.0	10,328.2	19,189.7	9,563.8	75.1	84.9	38.79	9,636.5	689.2	983.4	824.8	158.61	6.200	
19,800.0	10,328.3	19,249.9	9,565.0	75.4	85.4	38.75	9,696.6	687.3	982.2	822.9	159.24	6.168	
19,855.0	10,328.4	19,319.7	9,567.7	75.8	86.0	38.74	9,766.3	684.8	979.4	819.4	160.06	6.119	
19,900.0	10,328.6	19,372.8	9,570.7	76.2	86.4	38.76	9,819.2	682.9	976.6	815.9	160.72	6.076	
19,950.0	10,328.7	19,426.7	9,574.0	76.5	86.9	38.79	9,873.0	681.0	973.3	811.8	161.48	6.027	
20,000.0	10,328.8	19,450.0	9,575.5	76.9	87.1	38.81	9,896.3	680.2	970.1	807.8	162.36	5.975	
20,045.0	10,328.9	19,494.5	9,577.9	77.3	87.5	38.84	9,940.7	678.9	967.6	804.6	163.06	5.934	
20,100.0	10,329.1	19,545.0	9,579.1	77.7	87.9	38.85	9,991.2	678.1	966.2	802.3	163.92	5.894	
20,140.0	10,329.2	19,559.6	9,579.3	78.0	88.0	38.85	10,005.8	678.0	965.5	800.9	164.51	5.869	
20,200.0	10,329.4	19,632.7	9,580.4	78.4	88.7	38.85	10,078.9	677.0	964.4	798.9	165.48	5.828	
20,235.0	10,329.4	19,665.1	9,581.1	78.7	88.9	38.84	10,111.2	676.4	963.6	797.6	166.02	5.804	
20,300.0	10,329.6	19,720.6	9,581.7	79.2	89.4	38.82	10,166.7	675.4	962.5	795.5	167.01	5.763	
20,330.0	10,329.7	19,745.9	9,581.8	79.4	89.6	38.81	10,192.0	675.0	962.2	794.8	167.46	5.746	
20,367.5	10,329.8	19,776.9	9,581.7	79.7	89.9	38.78	10,223.0	674.6	962.1	794.1	168.02	5.726	
20,400.0	10,329.9	19,803.8	9,581.5	79.9	90.1	38.76	10,250.0	674.3	962.2	793.7	168.49	5.711	
20,425.0	10,330.0	19,831.0	9,581.1	80.1	90.4	38.73	10,277.1	674.0	962.4	793.5	168.89	5.698	
20,500.0	10,330.1	19,953.3	9,582.9	80.7	91.4	38.60	10,399.3	669.7	959.7	789.6	170.14	5.641	
20,520.0	10,330.2	19,967.1	9,583.2	80.8	91.5	38.58	10,413.1	669.1	958.9	788.4	170.46	5.625	
20,600.0	10,330.4	20,020.0	9,583.8	81.4	92.0	38.52	10,465.9	667.2	956.8	785.1	171.68	5.573	
20,615.0	10,330.5	20,036.9	9,583.8	81.5	92.1	38.50	10,482.8	666.7	956.6	784.7	171.92	5.564	
20,700.0	10,330.7	20,115.0	9,583.2	82.2	92.8	38.36	10,560.9	664.4	955.8	782.6	173.22	5.518	
20,710.0	10,330.7	20,126.4	9,583.0	82.3	92.9	38.34	10,572.3	664.0	955.7	782.3	173.38	5.512	
20,800.0	10,330.9	20,227.7	9,582.0	82.9	93.8	38.11	10,673.5	659.9	954.5	779.7	174.81	5.460	
20,805.0	10,331.0	20,232.9	9,581.9	83.0	93.8	38.09	10,678.7	659.6	954.4	779.5	174.89	5.457	
20,900.0	10,331.2	20,328.9	9,581.1	83.7	94.6	37.84	10,774.6	654.8	952.4	776.1	176.36	5.401	
20,995.0	10,331.5	20,419.1	9,580.9	84.4	95.4	37.67	10,864.7	651.5	950.8	773.0	177.83	5.347	
21,000.0	10,331.5	20,423.9	9,580.9	84.5	95.4	37.67	10,869.5	651.4	950.7	772.8	177.90	5.344	
21,090.0	10,331.7	20,494.0	9,580.6	85.1	96.1	37.54	10,939.6	649.0	949.7	770.5	179.22	5.299	
21,100.0	10,331.7	20,514.1	9,580.4	85.2	96.2	37.51	10,959.7	648.4	949.5	770.1	179.43	5.292	
21,115.1	10,331.8	20,525.1	9,580.3	85.3	96.3	37.49	10,970.6	648.2	949.5	769.9	179.64	5.285	
21,116.2	10,331.8	20,525.8	9,580.3	85.3	96.3	37.49	10,971.4	648.2	949.5	769.8	179.66	5.285	
21,185.0	10,332.0	20,575.8	9,579.8	85.8	96.8	37.47	11,021.4	648.0	950.2	769.6	180.60	5.261	
21,200.0	10,332.0	20,589.0	9,579.6	86.0	96.9	37.47	11,034.6	648.2	950.5	769.7	180.82	5.257	
21,280.0	10,332.2	20,652.0	9,578.6	86.6	97.4	37.51	11,097.6	649.9	953.1	771.2	181.89	5.240	
21,300.0	10,332.3	20,668.4	9,578.2	86.7	97.5	37.53	11,113.9	650.4	953.9	771.8	182.16	5.237	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #705H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8873-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
21,375.0	10,332.5	20,729.3	9,576.5	87.3	98.1	37.59	11,174.7	653.0	957.8	774.6	183.14	5.230	
21,400.0	10,332.5	20,749.5	9,575.9	87.5	98.2	37.61	11,194.9	654.0	959.3	775.8	183.45	5.229	
21,470.0	10,332.7	20,816.2	9,573.4	88.0	98.8	37.70	11,261.4	657.8	964.0	779.5	184.50	5.225	
21,500.0	10,332.8	20,849.5	9,572.2	88.2	99.1	37.74	11,294.7	659.6	966.0	780.9	185.03	5.221	
21,565.0	10,333.0	20,923.6	9,569.7	88.7	99.7	37.82	11,368.6	663.1	969.8	783.6	186.19	5.209	
21,600.0	10,333.1	20,964.0	9,568.6	89.0	100.1	37.85	11,409.0	664.7	971.5	784.7	186.82	5.201	
21,660.0	10,333.2	21,033.2	9,566.9	89.4	100.7	37.89	11,478.1	667.0	974.1	786.3	187.88	5.185	
21,700.0	10,333.3	21,080.9	9,565.9	89.7	101.1	37.91	11,525.9	668.1	975.5	786.9	188.59	5.173	
21,755.0	10,333.5	21,151.3	9,565.2	90.1	101.7	37.95	11,596.2	669.5	976.8	787.2	189.59	5.152	
21,800.0	10,333.6	21,195.2	9,565.1	90.5	102.1	37.98	11,640.1	670.1	977.4	787.1	190.29	5.136	
21,850.0	10,333.7	21,241.3	9,564.7	90.9	102.4	37.99	11,686.2	670.7	978.3	787.3	191.05	5.121	
21,900.0	10,333.9	21,285.7	9,564.0	91.2	102.8	37.98	11,730.5	671.1	979.4	787.7	191.78	5.107	
21,945.0	10,334.0	21,324.9	9,563.2	91.6	103.2	37.98	11,769.8	671.7	980.7	788.3	192.42	5.097	
22,000.0	10,334.1	21,394.2	9,561.7	92.0	103.8	37.97	11,839.0	672.6	982.4	788.9	193.42	5.079	
22,040.0	10,334.2	21,461.6	9,561.6	92.3	104.3	37.96	11,906.4	672.4	982.5	788.3	194.20	5.059	
22,100.0	10,334.4	21,529.3	9,562.2	92.8	104.9	37.94	11,974.1	671.5	981.8	786.6	195.16	5.031	
22,135.0	10,334.5	21,563.2	9,562.7	93.0	105.2	37.93	12,008.0	670.8	981.1	785.4	195.70	5.013	
22,200.0	10,334.7	21,621.5	9,563.3	93.5	105.7	37.91	12,066.3	669.9	980.2	783.4	196.71	4.983	
22,230.0	10,334.7	21,652.6	9,563.5	93.7	106.0	37.89	12,097.4	669.5	979.8	782.7	197.18	4.969	
22,300.0	10,334.9	21,726.6	9,564.2	94.3	106.6	37.86	12,171.3	668.1	978.8	780.5	198.29	4.936	
22,325.0	10,335.0	21,737.0	9,564.3	94.5	106.7	37.85	12,181.8	667.9	978.5	779.8	198.63	4.926	
22,326.2	10,335.0	21,737.0	9,564.3	94.5	106.7	37.85	12,181.8	667.9	978.5	779.8	198.64	4.926	
22,330.0	10,335.0	21,737.0	9,564.3	94.5	106.7	37.85	12,181.8	667.9	978.5	779.8	198.68	4.925	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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	1.9	1.9	3.0	3.0	93.09	-32.4	600.0	600.9				
95.0	95.0	98.9	98.9	3.0	3.0	93.07	-32.2	599.8	600.7	594.7	6.02	99.821	
100.0	100.0	104.1	104.1	3.0	3.0	93.07	-32.2	599.8	600.7	594.7	6.02	99.770	
190.0	190.0	194.3	194.3	3.1	3.0	93.04	-31.9	599.5	600.3	594.2	6.13	97.938	
200.0	200.0	204.4	204.4	3.1	3.0	93.04	-31.9	599.4	600.3	594.1	6.15	97.650	
285.0	285.0	289.2	289.2	3.3	3.0	93.03	-31.8	599.1	599.9	593.7	6.25	95.939	
300.0	300.0	304.2	304.2	3.3	3.0	93.03	-31.7	599.0	599.9	593.6	6.27	95.601	
380.0	380.0	385.0	385.0	3.4	3.0	93.03	-31.7	598.7	599.5	593.1	6.38	94.019	
400.0	400.0	404.9	404.9	3.4	3.0	93.03	-31.7	598.6	599.4	593.0	6.40	93.597	
475.0	475.0	481.3	481.3	3.5	3.0	93.03	-31.7	598.1	598.9	592.4	6.50	92.129	
500.0	500.0	506.6	506.6	3.5	3.1	93.03	-31.7	597.9	598.8	592.2	6.54	91.614	
570.0	570.0	578.4	578.3	3.6	3.1	93.03	-31.7	597.2	598.1	591.5	6.63	90.240	
600.0	600.0	609.5	609.5	3.6	3.1	93.03	-31.6	596.9	597.8	591.1	6.67	89.624	
665.0	665.0	677.7	677.7	3.7	3.1	93.02	-31.5	595.8	596.7	590.0	6.76	88.314	
700.0	700.0	715.0	715.0	3.8	3.1	93.01	-31.3	595.1	596.0	589.2	6.81	87.574	
760.0	760.0	780.1	780.0	3.8	3.1	92.97	-30.8	593.4	594.5	587.6	6.89	86.306	
800.0	800.0	823.5	823.5	3.9	3.2	92.93	-30.3	591.9	593.1	586.2	6.94	85.410	
855.0	855.0	879.4	879.3	4.0	3.2	92.88	-29.7	589.9	591.1	584.0	7.02	84.198	
900.0	900.0	924.0	923.8	4.0	3.2	92.84	-29.2	588.2	589.4	582.3	7.08	83.205	
950.0	950.0	974.8	974.6	4.1	3.2	92.79	-28.6	586.3	587.5	580.3	7.15	82.129	
1,000.0	1,000.0	1,055.9	1,055.5	4.1	3.3	92.82	-28.6	581.7	584.8	577.6	7.22	80.981	
1,045.0	1,045.0	1,110.6	1,109.9	4.2	3.3	93.04	-30.6	576.0	580.3	573.0	7.28	79.694	
1,100.0	1,100.0	1,170.6	1,169.4	4.2	3.3	93.38	-33.6	569.0	573.9	566.6	7.36	78.015	
1,140.0	1,140.0	1,209.8	1,208.3	4.3	3.3	93.63	-35.7	564.3	569.3	561.9	7.41	76.787	
1,200.0	1,200.0	1,267.5	1,265.5	4.4	3.4	93.98	-38.8	557.4	562.3	554.8	7.50	74.967	
1,235.0	1,235.0	1,300.0	1,297.7	4.4	3.4	94.17	-40.4	553.6	558.4	550.9	7.55	73.945	
1,300.0	1,300.0	1,359.8	1,357.1	4.5	3.4	94.53	-43.3	547.2	551.6	544.0	7.65	72.127	
1,330.0	1,330.0	1,389.4	1,386.5	4.5	3.4	94.71	-44.8	544.1	548.7	541.0	7.69	71.335	
1,400.0	1,400.0	1,463.2	1,459.7	4.6	3.5	95.32	-49.9	536.0	541.4	533.6	7.79	69.498	
1,425.0	1,425.0	1,487.1	1,483.3	4.6	3.5	95.57	-52.0	533.2	538.7	530.9	7.83	68.844	
1,500.0	1,500.0	1,557.5	1,553.1	4.7	3.5	96.30	-58.0	525.6	531.2	523.3	7.93	66.962	
1,520.0	1,520.0	1,576.9	1,572.3	4.7	3.5	-35.11	-59.6	523.5	529.3	521.3	7.97	66.375	
1,600.0	1,600.0	1,656.1	1,650.7	4.9	3.6	-34.49	-66.2	515.2	520.3	512.2	8.15	63.847	
1,615.0	1,615.0	1,671.2	1,665.7	4.9	3.6	-34.38	-67.4	513.7	518.5	510.3	8.19	63.272	
1,700.0	1,699.8	1,773.2	1,766.7	5.1	3.6	-34.00	-73.7	501.1	504.9	496.5	8.45	59.761	
1,710.0	1,709.8	1,783.0	1,776.5	5.1	3.7	-34.00	-74.1	499.8	503.0	494.6	8.47	59.414	
1,749.9	1,749.6	1,819.0	1,812.1	5.2	3.7	-34.02	-75.7	495.0	495.3	486.8	8.54	58.005	
1,800.0	1,799.5	1,861.9	1,854.6	5.2	3.7	-33.96	-77.5	489.7	485.9	477.3	8.63	56.308	
1,805.0	1,804.5	1,866.1	1,858.8	5.2	3.7	-33.96	-77.7	489.2	485.0	476.4	8.64	56.115	
1,900.0	1,899.1	1,946.2	1,938.4	5.4	3.8	-33.92	-80.9	481.2	469.2	460.3	8.90	52.707	
1,995.0	1,993.8	2,050.4	2,042.1	5.6	3.9	-33.81	-85.6	472.2	455.0	445.9	9.17	49.637	
2,000.0	1,998.7	2,055.9	2,047.6	5.6	3.9	-33.79	-85.9	471.6	454.2	445.0	9.18	49.467	
2,090.0	2,088.4	2,156.5	2,147.0	5.9	3.9	-33.21	-93.3	458.1	436.6	427.1	9.44	46.245	
2,100.0	2,098.4	2,166.0	2,156.4	5.9	3.9	-33.15	-94.0	456.7	434.5	425.1	9.47	45.883	
2,185.0	2,183.0	2,237.1	2,226.7	6.1	4.0	-32.65	-99.7	447.5	418.6	408.8	9.75	42.951	
2,200.0	2,198.0	2,250.0	2,239.4	6.1	4.0	-32.55	-100.7	446.1	416.0	406.2	9.79	42.478	
2,280.0	2,277.7	2,317.1	2,306.0	6.4	4.1	-32.10	-106.2	439.9	403.9	393.8	10.05	40.165	
2,300.0	2,297.6	2,336.7	2,325.5	6.4	4.1	-31.97	-107.7	438.3	401.1	391.0	10.12	39.638	
2,375.0	2,372.3	2,419.7	2,407.9	6.6	4.1	-31.50	-113.5	431.1	390.0	379.7	10.36	37.646	
2,400.0	2,397.2	2,444.3	2,432.4	6.7	4.2	-31.40	-114.9	428.7	386.0	375.6	10.44	36.958	
2,470.0	2,466.9	2,518.4	2,506.1	6.9	4.2	-31.18	-118.4	421.3	374.7	364.0	10.68	35.080	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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	2,496.8	2,549.7	2,537.2	7.0	4.3	-31.21	-119.0	417.9	369.3	358.6	10.78	34.256	
2,565.0	2,561.6	2,613.5	2,600.5	7.2	4.3	-31.30	-120.1	411.0	357.8	346.8	11.01	32.496	
2,600.0	2,596.5	2,647.1	2,633.9	7.3	4.3	-31.34	-120.7	407.4	351.6	340.5	11.14	31.575	
2,660.0	2,656.2	2,704.7	2,691.2	7.5	4.4	-31.43	-121.7	401.4	341.2	329.9	11.35	30.057	
2,700.0	2,696.1	2,744.1	2,730.5	7.6	4.4	-31.49	-122.4	397.4	334.4	322.9	11.50	29.085	
2,755.0	2,750.9	2,798.5	2,784.5	7.8	4.5	-31.58	-123.5	391.8	325.0	313.3	11.70	27.784	
2,800.0	2,795.7	2,842.0	2,827.8	7.9	4.5	-31.63	-124.4	387.4	317.3	305.5	11.86	26.748	
2,837.2	2,832.8	2,877.1	2,862.7	8.0	4.6	-31.63	-125.4	383.9	311.1	299.2	11.98	25.971	
2,850.0	2,845.5	2,889.8	2,875.3	8.1	4.6	-31.58	-126.0	382.7	309.1	297.0	12.02	25.707	
2,900.0	2,895.3	2,939.4	2,924.6	8.2	4.6	-31.24	-128.8	377.6	301.1	288.9	12.19	24.702	
2,945.0	2,940.2	2,983.7	2,968.5	8.3	4.7	-30.85	-131.4	373.0	294.3	281.9	12.36	23.807	
3,000.0	2,995.1	3,036.7	3,021.2	8.5	4.7	-30.33	-134.6	367.7	286.5	273.9	12.57	22.781	
3,040.0	3,035.0	3,075.7	3,060.0	8.6	4.8	-29.89	-136.9	363.9	281.2	268.5	12.73	22.098	
3,100.0	3,095.0	3,134.7	3,118.6	8.8	4.8	-29.16	-140.5	358.2	273.9	261.0	12.96	21.143	
3,135.0	3,130.0	3,168.8	3,152.4	8.9	4.8	-28.70	-142.6	355.0	270.0	256.9	13.09	20.634	
3,200.0	3,194.9	3,232.3	3,215.6	9.1	4.9	-27.77	-146.4	349.4	263.6	250.3	13.33	19.772	
3,230.0	3,224.9	3,261.8	3,244.9	9.2	4.9	-27.32	-148.2	346.8	260.9	247.5	13.44	19.420	
3,300.0	3,294.9	3,330.8	3,313.6	9.4	5.0	-26.18	-152.2	340.9	255.4	241.7	13.68	18.671	
3,325.0	3,319.9	3,354.9	3,337.6	9.4	5.0	-25.76	-153.6	339.0	253.7	240.0	13.73	18.477	
3,337.1	3,332.0	3,366.7	3,349.3	9.4	5.0	106.02	-154.3	338.0	253.0	239.2	13.76	18.389	
3,400.0	3,394.9	3,428.6	3,410.9	9.4	5.1	107.06	-157.6	333.3	249.3	235.4	13.85	17.994	
3,420.0	3,414.9	3,448.4	3,430.6	9.4	5.1	107.38	-158.6	331.8	248.2	234.3	13.89	17.864	
3,500.0	3,494.9	3,527.5	3,509.5	9.5	5.2	108.66	-162.5	326.1	243.9	229.9	14.04	17.373	
3,515.0	3,509.9	3,542.6	3,524.5	9.5	5.2	108.91	-163.2	325.0	243.1	229.1	14.07	17.284	
3,600.0	3,594.9	3,631.8	3,613.3	9.6	5.3	110.40	-167.4	318.1	238.3	224.1	14.21	16.770	
3,610.0	3,604.9	3,642.0	3,623.4	9.6	5.3	110.57	-167.8	317.2	237.6	223.4	14.23	16.700	
3,700.0	3,694.9	3,731.9	3,713.0	9.6	5.4	112.11	-171.4	309.0	231.2	216.8	14.39	16.067	
3,705.0	3,699.9	3,737.0	3,718.0	9.6	5.4	112.20	-171.6	308.6	230.9	216.5	14.40	16.032	
3,800.0	3,794.9	3,831.4	3,812.0	9.7	5.5	113.94	-175.4	299.9	224.3	209.7	14.57	15.393	
3,895.0	3,889.9	3,926.2	3,906.2	9.8	5.6	115.81	-179.2	291.0	217.9	203.2	14.74	14.786	
3,900.0	3,894.9	3,931.1	3,911.1	9.8	5.6	115.91	-179.4	290.6	217.6	202.8	14.75	14.755	
3,990.0	3,984.9	4,019.8	3,999.3	9.8	5.7	117.75	-183.0	282.6	211.9	197.0	14.90	14.224	
4,000.0	3,994.9	4,029.5	4,009.1	9.8	5.7	117.95	-183.4	281.7	211.3	196.4	14.92	14.169	
4,085.0	4,079.9	4,113.3	4,092.4	9.9	5.8	119.69	-186.8	274.7	206.8	191.7	15.05	13.736	
4,100.0	4,094.9	4,128.3	4,107.3	9.9	5.8	120.00	-187.4	273.5	206.0	190.9	15.08	13.664	
4,180.0	4,174.9	4,207.3	4,186.1	10.0	5.9	121.71	-190.6	267.0	202.0	186.8	15.20	13.292	
4,200.0	4,194.9	4,227.1	4,205.8	10.0	6.0	122.15	-191.5	265.4	201.1	185.9	15.23	13.207	
4,275.0	4,269.9	4,301.2	4,279.6	10.0	6.0	123.78	-194.5	259.7	198.0	182.6	15.33	12.909	
4,300.0	4,294.9	4,325.8	4,304.1	10.1	6.1	124.34	-195.6	257.9	197.0	181.6	15.37	12.818	
4,370.0	4,364.9	4,395.3	4,373.4	10.1	6.1	125.97	-198.7	252.7	194.5	179.1	15.46	12.582	
4,400.0	4,394.9	4,425.2	4,403.1	10.1	6.2	126.69	-200.1	250.4	193.5	178.0	15.50	12.487	
4,465.0	4,459.9	4,489.6	4,467.2	10.2	6.2	128.27	-203.2	245.7	191.6	176.0	15.58	12.299	
4,500.0	4,494.9	4,524.7	4,502.2	10.2	6.3	129.15	-204.9	243.1	190.6	175.0	15.62	12.205	
4,560.0	4,554.9	4,587.6	4,564.8	10.2	6.3	130.94	-208.0	237.7	188.6	172.9	15.68	12.032	
4,600.0	4,594.9	4,628.2	4,605.1	10.3	6.4	132.36	-210.3	233.2	186.8	171.1	15.72	11.889	
4,655.0	4,649.9	4,682.4	4,658.9	10.3	6.5	134.36	-213.5	227.2	184.5	168.8	15.77	11.702	
4,700.0	4,694.9	4,726.3	4,702.4	10.3	6.5	135.96	-216.0	222.4	183.0	167.2	15.81	11.572	
4,750.0	4,744.9	4,774.6	4,750.4	10.4	6.6	137.71	-218.9	217.6	181.7	165.9	15.86	11.460	
4,800.0	4,794.9	4,823.8	4,799.4	10.4	6.6	139.39	-221.9	213.1	180.9	165.0	15.90	11.378	
4,845.0	4,839.9	4,868.5	4,843.8	10.4	6.7	140.90	-224.5	209.0	180.3	164.4	15.93	11.319	
4,900.0	4,894.9	4,923.5	4,898.4	10.5	6.7	142.80	-227.8	204.0	179.8	163.8	15.97	11.259	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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	4,934.9	4,966.2	4,940.8	10.5	6.8	144.43	-230.2	199.5	179.1	163.1	15.99	11.203	
5,000.0	4,994.9	5,025.8	4,999.9	10.6	6.8	146.90	-233.5	192.4	177.9	161.8	16.03	11.098	
5,035.0	5,029.9	5,060.3	5,034.1	10.6	6.9	148.31	-235.4	188.5	177.3	161.3	16.05	11.050	
5,100.0	5,094.9	5,124.1	5,097.4	10.6	7.0	150.80	-238.9	181.6	176.8	160.7	16.09	10.989	
5,127.3	5,122.2	5,150.9	5,124.1	10.6	7.0	151.77	-240.3	178.9	176.7	160.6	16.11	10.974	
5,130.0	5,124.9	5,153.6	5,126.7	10.6	7.0	151.86	-240.4	178.7	176.7	160.6	16.11	10.973	
5,200.0	5,194.9	5,222.7	5,195.5	10.7	7.1	154.22	-244.0	172.3	177.1	160.9	16.15	10.961	
5,225.0	5,219.9	5,247.6	5,220.2	10.7	7.1	155.05	-245.3	170.1	177.3	161.1	16.17	10.962	
5,300.0	5,294.9	5,322.9	5,295.1	10.8	7.2	157.57	-249.1	163.3	178.0	161.8	16.22	10.974	
5,320.0	5,314.9	5,343.2	5,315.3	10.8	7.2	158.35	-250.2	161.1	178.2	162.0	16.24	10.977	
5,400.0	5,394.9	5,422.5	5,393.9	10.8	7.3	161.81	-254.8	151.3	179.2	162.9	16.28	11.005	
5,415.0	5,409.9	5,437.4	5,408.6	10.9	7.3	162.45	-255.6	149.4	179.5	163.2	16.29	11.014	
5,500.0	5,494.9	5,521.8	5,492.3	10.9	7.4	165.93	-260.4	139.4	181.3	165.0	16.36	11.086	
5,510.0	5,504.9	5,531.7	5,502.1	10.9	7.4	166.31	-260.9	138.3	181.6	165.2	16.37	11.096	
5,600.0	5,594.9	5,620.7	5,590.4	11.0	7.5	169.57	-265.7	128.7	184.3	167.8	16.45	11.204	
5,605.0	5,599.9	5,625.6	5,595.3	11.0	7.5	169.74	-265.9	128.2	184.4	168.0	16.45	11.211	
5,700.0	5,694.9	5,722.1	5,691.2	11.1	7.7	172.93	-270.9	118.4	187.8	171.3	16.55	11.347	
5,795.0	5,789.9	5,821.2	5,790.1	11.1	7.8	175.10	-272.9	111.5	189.1	172.4	16.66	11.348	
5,800.0	5,794.9	5,826.2	5,795.0	11.1	7.8	175.20	-273.0	111.1	189.1	172.4	16.67	11.347	
5,890.0	5,884.9	5,918.7	5,887.4	11.2	7.9	176.51	-273.6	106.9	189.4	172.6	16.77	11.298	
5,900.0	5,894.9	5,928.8	5,897.5	11.2	7.9	176.57	-273.6	106.7	189.4	172.6	16.78	11.289	
5,985.0	5,979.9	6,013.7	5,982.4	11.3	8.0	177.06	-273.4	105.0	189.1	172.2	16.87	11.209	
6,000.0	5,994.9	6,028.7	5,997.4	11.3	8.0	177.14	-273.4	104.8	189.0	172.1	16.89	11.195	
6,043.8	6,038.7	6,072.0	6,040.6	11.3	8.1	177.37	-273.3	104.0	188.9	172.0	16.93	11.157	
6,080.0	6,074.9	6,107.4	6,076.1	11.3	8.1	177.56	-273.4	103.4	189.0	172.0	16.98	11.133	
6,100.0	6,094.9	6,127.3	6,095.9	11.4	8.1	177.66	-273.5	103.0	189.1	172.1	17.00	11.122	
6,175.0	6,169.9	6,200.8	6,169.5	11.4	8.2	178.05	-274.2	101.8	189.7	172.6	17.10	11.095	
6,200.0	6,194.9	6,225.2	6,193.8	11.4	8.2	178.17	-274.5	101.4	190.1	172.9	17.13	11.093	
6,270.0	6,264.9	6,293.4	6,262.1	11.5	8.3	178.53	-275.9	100.2	191.4	174.2	17.23	11.108	
6,300.0	6,294.9	6,322.4	6,291.0	11.5	8.3	178.66	-276.7	99.8	192.3	175.0	17.28	11.128	
6,365.0	6,359.9	6,384.8	6,353.4	11.6	8.4	178.79	-278.9	99.4	194.6	177.2	17.38	11.195	
6,400.0	6,394.9	6,418.1	6,386.7	11.6	8.4	178.75	-280.5	99.6	196.2	178.8	17.44	11.254	
6,460.0	6,454.9	6,475.5	6,443.9	11.6	8.4	178.59	-283.8	100.2	199.7	182.2	17.54	11.390	
6,500.0	6,494.9	6,515.4	6,483.7	11.7	8.5	178.46	-286.4	100.8	202.3	184.7	17.60	11.495	
6,555.0	6,549.9	6,576.2	6,544.4	11.7	8.5	178.28	-289.6	101.5	205.3	187.6	17.69	11.602	
6,600.0	6,594.9	6,621.2	6,589.4	11.7	8.5	178.19	-291.2	101.8	206.9	189.1	17.77	11.644	
6,650.0	6,644.9	6,670.8	6,639.0	11.8	8.5	178.11	-293.0	102.2	208.7	190.9	17.85	11.693	
6,700.0	6,694.9	6,720.8	6,688.9	11.8	8.6	178.04	-294.9	102.5	210.6	192.6	17.93	11.743	
6,745.0	6,739.9	6,765.9	6,734.0	11.8	8.6	178.00	-296.5	102.7	212.2	194.2	18.01	11.788	
6,800.0	6,794.9	6,820.9	6,789.0	11.9	8.6	177.97	-298.5	102.9	214.3	196.2	18.10	11.839	
6,840.0	6,834.9	6,861.2	6,829.2	11.9	8.7	178.01	-300.0	102.8	215.7	197.5	18.16	11.875	
6,900.0	6,894.9	6,928.3	6,896.3	12.0	8.7	178.24	-301.8	102.0	217.3	199.0	18.26	11.900	
6,935.0	6,929.9	6,967.2	6,935.2	12.0	8.8	178.44	-301.4	101.2	217.0	198.7	18.30	11.854	
7,000.0	6,994.9	7,029.6	6,997.5	12.0	8.8	178.87	-300.7	99.6	216.2	197.9	18.37	11.769	
7,022.1	7,017.0	7,050.9	7,018.9	12.0	8.8	179.07	-300.7	98.8	216.2	197.8	18.40	11.751	
7,030.0	7,024.9	7,058.8	7,026.7	12.0	8.8	179.14	-300.7	98.6	216.2	197.8	18.41	11.744	
7,100.0	7,094.9	7,128.4	7,096.4	12.1	8.9	179.84	-300.8	95.9	216.3	197.8	18.50	11.693	
7,125.0	7,119.9	7,153.0	7,120.9	12.1	9.0	-179.91	-300.9	95.0	216.4	197.8	18.53	11.677	
7,200.0	7,194.9	7,226.2	7,194.1	12.2	9.0	-179.14	-301.6	92.1	217.1	198.5	18.63	11.652	
7,220.0	7,214.9	7,246.1	7,213.9	12.2	9.1	-178.93	-301.8	91.3	217.3	198.7	18.66	11.648	
7,300.0	7,294.9	7,332.6	7,300.4	12.2	9.2	-178.23	-302.0	88.6	217.6	198.8	18.77	11.590	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
7,315.0	7,309.9	7,348.0	7,315.8	12.3	9.2	-178.18	-301.7	88.4	217.3	198.5	18.79	11.567	
7,400.0	7,394.9	7,433.1	7,400.9	12.3	9.2	-177.91	-300.1	87.5	215.7	196.8	18.87	11.433	
7,410.0	7,404.9	7,443.1	7,410.9	12.3	9.2	-177.88	-299.9	87.3	215.5	196.6	18.87	11.418	
7,500.0	7,494.9	7,533.6	7,501.3	12.4	9.3	-177.57	-298.0	86.3	213.7	194.7	18.96	11.271	
7,505.0	7,499.9	7,538.6	7,506.3	12.4	9.3	-177.55	-297.9	86.2	213.6	194.6	18.97	11.263	
7,600.0	7,594.9	7,630.0	7,597.7	12.5	9.3	-177.24	-296.4	85.1	212.1	193.0	19.05	11.130	
7,615.0	7,609.9	7,644.2	7,611.8	12.5	9.3	-177.20	-296.3	85.0	212.0	193.0	19.07	11.118	
7,695.0	7,689.9	7,721.0	7,688.7	12.5	9.4	-176.91	-296.9	83.9	212.7	193.5	19.19	11.085	
7,700.0	7,694.9	7,725.8	7,693.5	12.5	9.4	-176.89	-297.0	83.8	212.8	193.6	19.19	11.085	
7,790.0	7,784.9	7,812.4	7,780.1	12.6	9.5	-176.48	-299.0	82.1	214.9	195.6	19.34	11.113	
7,800.0	7,794.9	7,822.1	7,789.8	12.6	9.5	-176.43	-299.3	81.9	215.3	195.9	19.36	11.119	
7,885.0	7,879.9	7,914.7	7,882.3	12.7	9.6	-176.02	-301.3	80.2	217.2	197.7	19.50	11.139	
7,900.0	7,894.9	7,930.5	7,898.1	12.7	9.7	-175.98	-301.2	80.1	217.2	197.7	19.52	11.125	
7,980.0	7,974.9	8,010.8	7,978.4	12.8	9.7	-175.80	-300.5	79.5	216.6	197.0	19.61	11.047	
8,000.0	7,994.9	8,030.7	7,998.3	12.8	9.7	-175.76	-300.4	79.3	216.4	196.8	19.63	11.028	
8,075.0	8,069.9	8,104.5	8,072.1	12.8	9.8	-175.57	-300.0	78.6	216.1	196.4	19.71	10.963	
8,100.0	8,094.9	8,129.4	8,097.0	12.9	9.8	-175.48	-299.9	78.3	216.0	196.3	19.74	10.944	
8,112.2	8,107.1	8,141.4	8,109.0	12.9	9.8	-175.44	-299.9	78.1	216.0	196.3	19.76	10.935	
8,170.0	8,164.9	8,197.9	8,165.5	12.9	9.9	-175.24	-300.0	77.4	216.2	196.3	19.84	10.898	
8,200.0	8,194.9	8,227.1	8,194.7	12.9	9.9	-175.15	-300.2	77.0	216.4	196.5	19.88	10.884	
8,265.0	8,259.9	8,291.6	8,259.2	13.0	10.0	-174.98	-300.8	76.3	217.1	197.1	19.99	10.860	
8,300.0	8,294.9	8,325.5	8,293.1	13.0	10.1	-174.88	-301.3	75.9	217.6	197.6	20.05	10.854	
8,360.0	8,354.9	8,384.7	8,352.2	13.0	10.1	-174.70	-302.3	75.1	218.7	198.6	20.15	10.853	
8,400.0	8,394.9	8,423.6	8,391.1	13.1	10.2	-174.59	-303.2	74.6	219.7	199.4	20.22	10.861	
8,455.0	8,449.9	8,475.0	8,442.5	13.1	10.2	-174.47	-304.9	74.0	221.5	201.2	20.33	10.900	
8,500.0	8,494.9	8,520.9	8,488.4	13.2	10.3	-174.39	-306.7	73.5	223.4	203.0	20.41	10.949	
8,550.0	8,544.9	8,574.6	8,542.0	13.2	10.3	-174.13	-308.2	72.3	224.8	204.3	20.49	10.971	
8,600.0	8,594.9	8,625.7	8,593.1	13.2	10.4	-173.76	-308.9	70.8	225.8	205.2	20.58	10.971	
8,645.0	8,639.9	8,671.0	8,638.3	13.3	10.4	-173.40	-309.5	69.3	226.5	205.8	20.65	10.966	
8,700.0	8,694.9	8,726.6	8,693.9	13.3	10.5	-172.98	-310.1	67.5	227.3	206.5	20.75	10.955	
8,740.0	8,734.9	8,766.5	8,733.8	13.3	10.5	-172.69	-310.5	66.3	227.8	207.0	20.81	10.945	
8,800.0	8,794.9	8,826.9	8,794.2	13.4	10.6	-172.26	-311.0	64.5	228.5	207.6	20.89	10.938	
8,835.0	8,829.9	8,861.2	8,828.5	13.4	10.6	-172.04	-311.3	63.6	228.9	208.0	20.93	10.940	
8,900.0	8,894.9	8,925.2	8,892.4	13.5	10.6	-171.69	-312.2	62.1	230.1	209.1	21.00	10.957	
8,930.0	8,924.9	8,956.9	8,924.1	13.5	10.6	-171.52	-312.6	61.3	230.6	209.6	21.03	10.967	
9,000.0	8,994.9	9,079.7	9,045.7	13.5	10.6	-169.00	-300.9	53.3	225.8	204.0	21.80	10.355	
9,025.0	9,019.9	9,117.2	9,081.5	13.6	10.6	-167.27	-290.6	48.8	219.5	197.2	22.24	9.865	
9,100.0	9,094.9	9,222.2	9,176.5	13.6	10.7	-158.85	-249.9	31.4	194.3	170.5	23.80	8.167	
9,120.0	9,114.9	9,251.7	9,201.0	13.6	10.7	-155.01	-234.6	25.4	185.7	161.3	24.40	7.613	
9,200.0	9,194.9	9,334.3	9,263.8	13.7	10.8	-139.05	-183.7	9.3	147.4	122.4	24.98	5.899	
9,215.0	9,209.9	9,345.9	9,272.1	13.7	10.8	-135.96	-175.9	6.9	140.7	115.9	24.81	5.672	
9,300.0	9,294.9	9,407.7	9,314.7	13.8	10.9	-115.53	-133.2	-6.5	114.2	90.6	23.57	4.845	
9,310.0	9,304.9	9,414.3	9,319.0	13.8	10.9	-112.98	-128.4	-8.0	112.9	89.4	23.49	4.805	
9,331.6	9,326.5	9,429.0	9,328.4	13.8	10.9	-107.21	-117.6	-11.4	111.7	88.2	23.50	4.755	CC, ES
9,400.0	9,394.9	9,473.2	9,354.7	13.8	10.9	-89.42	-83.4	-20.8	123.5	98.4	25.13	4.917	
9,405.0	9,399.9	9,476.1	9,356.3	13.8	10.9	-88.29	-81.1	-21.4	125.3	100.0	25.32	4.950	
9,500.0	9,494.9	9,527.6	9,384.5	13.9	11.0	-70.15	-39.0	-30.9	175.0	146.5	28.51	6.137	
9,595.0	9,589.9	9,575.6	9,410.0	14.0	11.1	-57.68	0.8	-39.6	242.0	211.7	30.28	7.991	
9,600.0	9,594.9	9,578.2	9,411.3	14.0	11.1	-57.15	2.9	-40.1	245.7	215.4	30.34	8.098	
9,690.0	9,684.9	9,622.3	9,434.5	14.1	11.2	-49.26	39.4	-48.6	315.8	284.5	31.28	10.097	
9,700.0	9,694.9	9,626.8	9,436.9	14.1	11.2	-48.60	43.1	-49.5	323.8	292.4	31.37	10.321	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
9,736.1	9,731.0	9,642.4	9,444.9	14.1	11.3	-46.41	56.2	-52.6	353.1	321.4	31.65	11.156	
9,750.0	9,744.9	9,648.4	9,447.9	14.1	11.3	-44.15	61.3	-53.7	364.3	332.6	31.76	11.471	
9,785.0	9,779.9	9,662.0	9,454.7	14.1	11.3	-39.60	72.7	-56.3	392.4	360.3	32.11	12.223	
9,800.0	9,794.8	9,670.5	9,458.9	14.1	11.3	-37.68	79.9	-57.9	404.3	372.1	32.19	12.559	
9,850.0	9,844.2	9,693.1	9,469.8	14.2	11.4	-32.77	99.3	-62.0	442.8	410.2	32.62	13.575	
9,880.0	9,873.4	9,709.0	9,477.2	14.2	11.4	-30.31	113.1	-64.9	465.2	432.4	32.84	14.167	
9,900.0	9,892.7	9,709.0	9,477.2	14.2	11.4	-29.24	113.1	-64.9	479.9	446.7	33.18	14.461	
9,950.0	9,940.0	9,739.1	9,490.5	14.3	11.5	-26.09	139.5	-70.2	515.0	481.5	33.49	15.375	
9,975.0	9,963.1	9,755.0	9,497.1	14.3	11.6	-24.79	153.8	-72.8	531.9	498.2	33.65	15.808	
10,000.0	9,985.7	9,755.0	9,497.1	14.4	11.6	-23.89	153.8	-72.8	548.3	514.3	34.04	16.109	
10,050.0	10,029.4	9,781.9	9,507.5	14.4	11.6	-21.99	178.1	-77.2	579.7	545.3	34.41	16.845	
10,070.0	10,046.3	9,790.1	9,510.5	14.5	11.7	-21.37	185.7	-78.6	591.8	557.2	34.59	17.105	
10,100.0	10,070.9	9,802.0	9,514.6	14.5	11.7	-20.53	196.7	-80.6	609.3	574.4	34.87	17.474	
10,150.0	10,109.9	9,826.8	9,522.6	14.6	11.8	-19.37	219.7	-84.9	636.7	601.5	35.25	18.061	
10,165.0	10,121.0	9,834.1	9,524.9	14.6	11.8	-19.08	226.5	-86.3	644.5	609.1	35.37	18.224	
10,200.0	10,145.9	9,851.0	9,529.9	14.7	11.9	-18.49	242.4	-89.6	661.9	626.2	35.63	18.578	
10,250.0	10,178.7	9,871.7	9,535.5	14.7	11.9	-17.81	261.8	-93.8	684.8	648.8	36.01	19.018	
10,260.0	10,184.9	9,875.8	9,536.5	14.7	11.9	-17.69	265.7	-94.6	689.2	653.1	36.08	19.100	
10,300.0	10,208.2	9,898.0	9,541.5	14.8	12.0	-17.33	286.8	-99.3	705.7	669.4	36.33	19.426	
10,350.0	10,234.0	9,913.9	9,544.7	14.9	12.1	-16.91	302.0	-102.9	724.3	687.6	36.68	19.746	
10,355.0	10,236.4	9,916.1	9,545.1	14.9	12.1	-16.88	304.1	-103.4	726.0	689.3	36.71	19.777	
10,400.0	10,256.0	9,945.0	9,549.8	14.9	12.2	-16.79	331.8	-110.3	740.7	703.8	36.93	20.060	
10,450.0	10,274.0	9,961.9	9,552.1	15.0	12.3	-16.62	348.0	-114.5	754.6	717.4	37.20	20.283	
10,500.0	10,287.9	10,002.0	9,556.4	15.0	12.4	-16.86	386.6	-124.1	765.9	728.5	37.39	20.485	
10,545.0	10,296.8	10,026.1	9,558.6	15.1	12.5	-17.00	410.0	-129.9	773.4	735.8	37.58	20.582	
10,550.0	10,297.5	10,030.8	9,559.0	15.1	12.6	-17.06	414.5	-131.0	774.0	736.4	37.59	20.590	
10,600.0	10,302.9	10,040.0	9,559.8	15.1	12.6	-17.05	423.4	-133.2	779.4	741.6	37.78	20.633	
10,634.6	10,304.0	10,079.7	9,562.2	15.2	12.8	-17.63	461.9	-142.2	780.7	742.8	37.86	20.618	
10,640.0	10,304.0	10,082.5	9,562.3	15.2	12.8	-17.67	464.7	-142.8	780.9	743.0	37.88	20.616	
10,700.0	10,304.2	10,135.0	9,561.9	15.2	13.0	-18.30	516.3	-152.2	784.6	746.6	38.04	20.626	
10,735.0	10,304.3	10,135.0	9,561.9	15.3	13.0	-18.30	516.3	-152.2	787.1	749.0	38.10	20.661	
10,800.0	10,304.4	10,208.7	9,558.7	15.3	13.4	-18.92	589.2	-162.4	792.8	754.4	38.37	20.664	
10,830.0	10,304.5	10,308.6	9,557.4	15.4	13.9	-19.52	688.6	-171.9	794.7	756.0	38.62	20.574	
10,883.6	10,304.7	10,357.2	9,558.9	15.5	14.2	-19.68	737.2	-173.9	794.0	755.1	38.90	20.413	
10,900.0	10,304.7	10,367.6	9,559.0	15.5	14.2	-19.69	747.6	-174.1	794.1	755.1	38.98	20.372	
10,925.0	10,304.8	10,383.4	9,558.8	15.5	14.3	-19.70	763.4	-174.3	794.4	755.3	39.11	20.313	
11,000.0	10,305.0	10,436.2	9,556.7	15.7	14.6	-19.60	816.1	-173.8	797.1	757.6	39.52	20.172	
11,020.0	10,305.0	10,455.3	9,555.7	15.7	14.7	-19.56	835.2	-173.6	798.1	758.4	39.65	20.129	
11,100.0	10,305.2	10,531.1	9,552.0	15.9	15.1	-19.51	910.9	-174.4	802.1	761.9	40.16	19.974	
11,115.0	10,305.3	10,544.9	9,551.4	16.0	15.2	-19.52	924.7	-174.8	802.9	762.6	40.26	19.945	
11,200.0	10,305.5	10,634.3	9,547.9	16.2	15.7	-19.74	1,013.9	-179.6	807.8	767.0	40.84	19.779	
11,210.0	10,305.5	10,650.8	9,547.4	16.3	15.8	-19.77	1,030.3	-180.3	808.2	767.3	40.93	19.745	
11,300.0	10,305.8	10,762.5	9,544.8	16.6	16.5	-19.65	1,142.0	-179.9	810.1	768.4	41.69	19.432	
11,305.0	10,305.8	10,767.6	9,544.7	16.6	16.5	-19.64	1,147.1	-179.7	810.1	768.4	41.73	19.415	
11,400.0	10,306.0	10,852.4	9,542.4	17.0	17.1	-19.40	1,231.8	-177.2	811.9	769.4	42.48	19.110	
11,495.0	10,306.3	10,978.9	9,539.8	17.4	17.9	-19.25	1,358.3	-176.3	814.0	770.6	43.37	18.769	
11,500.0	10,306.3	10,988.1	9,540.0	17.4	17.9	-19.26	1,367.5	-176.4	813.9	770.5	43.42	18.746	
11,590.0	10,306.5	11,081.0	9,544.4	17.8	18.6	-19.47	1,460.2	-178.3	810.6	766.4	44.20	18.339	
11,600.0	10,306.6	11,104.3	9,545.8	17.9	18.7	-19.56	1,483.5	-179.2	809.9	765.6	44.30	18.281	
11,678.1	10,306.8	11,152.6	9,547.6	18.3	19.1	-19.72	1,531.7	-181.1	808.5	763.5	44.96	17.983	
11,685.0	10,306.8	11,156.9	9,547.6	18.3	19.1	-19.73	1,536.0	-181.3	808.5	763.5	45.02	17.961	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
11,700.0	10,306.8	11,176.0	9,547.8	18.4	19.2	-19.78	1,555.1	-182.1	808.7	763.6	45.16	17.908	
11,701.4	10,306.8	11,176.0	9,547.8	18.4	19.2	-19.78	1,555.1	-182.1	808.7	763.5	45.17	17.904	
11,780.0	10,307.0	11,224.4	9,547.3	18.8	19.6	-19.93	1,603.4	-184.7	810.6	764.8	45.81	17.695	
11,800.0	10,307.1	11,239.5	9,547.1	18.9	19.7	-19.98	1,618.5	-185.6	811.4	765.4	45.98	17.648	
11,875.0	10,307.3	11,300.7	9,545.2	19.3	20.1	-20.20	1,679.5	-189.8	815.4	768.8	46.63	17.487	
11,900.0	10,307.4	11,323.1	9,544.4	19.4	20.3	-20.28	1,701.8	-191.4	817.0	770.1	46.86	17.436	
11,970.0	10,307.5	11,396.7	9,541.3	19.8	20.8	-20.54	1,775.2	-196.6	821.6	774.0	47.56	17.275	
12,000.0	10,307.6	11,438.9	9,539.8	19.9	21.1	-20.62	1,817.3	-198.5	823.1	775.2	47.92	17.178	
12,065.0	10,307.8	11,513.3	9,537.7	20.3	21.7	-20.67	1,891.6	-200.3	825.5	776.8	48.63	16.974	
12,100.0	10,307.9	11,550.4	9,536.9	20.5	22.0	-20.71	1,928.7	-201.5	826.6	777.6	49.00	16.868	
12,160.0	10,308.0	11,606.9	9,535.9	20.8	22.4	-20.81	1,985.2	-203.5	828.5	778.8	49.63	16.694	
12,200.0	10,308.1	11,644.0	9,535.1	21.1	22.7	-20.87	2,022.2	-204.9	829.9	779.9	50.04	16.585	
12,255.0	10,308.3	11,718.5	9,534.2	21.4	23.2	-21.03	2,096.7	-208.0	831.5	780.8	50.71	16.397	
12,300.0	10,308.4	11,786.4	9,535.5	21.7	23.7	-21.27	2,164.5	-211.4	831.5	780.3	51.26	16.223	
12,350.0	10,308.5	11,839.6	9,538.6	22.0	24.1	-21.58	2,217.4	-215.2	830.2	778.4	51.81	16.025	
12,400.0	10,308.7	11,883.9	9,541.1	22.3	24.5	-21.85	2,261.6	-218.6	829.1	776.8	52.34	15.840	
12,422.2	10,308.7	11,898.2	9,541.6	22.4	24.6	-21.92	2,275.8	-219.5	829.0	776.4	52.57	15.769	
12,445.0	10,308.8	11,912.9	9,541.9	22.5	24.7	-21.99	2,290.5	-220.5	829.1	776.3	52.81	15.701	
12,500.0	10,308.9	11,954.8	9,542.0	22.9	25.0	-22.13	2,332.3	-222.9	830.3	776.9	53.38	15.553	
12,540.0	10,309.1	11,996.7	9,541.4	23.1	25.4	-22.19	2,374.2	-224.1	831.2	777.4	53.86	15.434	
12,600.0	10,309.2	12,062.0	9,539.9	23.5	25.9	-22.10	2,439.4	-223.6	832.5	777.9	54.59	15.250	
12,635.0	10,309.3	12,101.9	9,538.9	23.7	26.2	-22.00	2,479.4	-222.5	833.0	778.0	55.03	15.137	
12,700.0	10,309.5	12,164.3	9,537.4	24.1	26.6	-21.81	2,541.6	-220.3	833.6	777.8	55.81	14.937	
12,730.0	10,309.6	12,189.9	9,536.6	24.3	26.8	-21.72	2,567.2	-219.3	834.2	778.0	56.16	14.852	
12,800.0	10,309.7	12,261.0	9,534.1	24.7	27.4	-21.49	2,638.2	-217.0	835.8	778.7	57.03	14.654	
12,825.0	10,309.8	12,291.9	9,533.7	24.9	27.6	-21.48	2,669.1	-217.1	836.1	778.8	57.36	14.576	
12,900.0	10,310.0	12,372.8	9,533.7	25.4	28.3	-21.53	2,750.1	-218.1	836.6	778.3	58.30	14.349	
12,920.0	10,310.1	12,393.0	9,533.3	25.5	28.4	-21.46	2,770.2	-217.3	836.6	778.1	58.56	14.288	
13,000.0	10,310.3	12,468.1	9,530.5	26.0	29.0	-20.97	2,845.0	-210.9	837.1	777.6	59.56	14.054	
13,015.0	10,310.3	12,481.8	9,529.8	26.1	29.1	-20.85	2,858.6	-209.4	837.3	777.6	59.75	14.012	
13,100.0	10,310.5	12,589.9	9,525.1	26.7	29.9	-19.97	2,965.9	-197.7	837.8	776.8	60.94	13.747	
13,110.0	10,310.6	12,605.8	9,525.0	26.8	30.1	-19.87	2,981.7	-196.3	837.6	776.5	61.09	13.712	
13,200.0	10,310.8	12,764.5	9,536.9	27.3	31.3	-19.87	3,139.8	-192.4	829.6	767.4	62.20	13.337	
13,205.0	10,310.8	12,769.7	9,537.5	27.4	31.3	-19.87	3,145.0	-192.3	829.0	766.8	62.26	13.315	
13,300.0	10,311.1	12,835.3	9,543.7	28.0	31.9	-19.92	3,210.2	-191.1	820.4	756.8	63.55	12.910	
13,395.0	10,311.3	12,888.0	9,546.1	28.7	32.3	-19.92	3,262.9	-190.3	816.1	751.3	64.76	12.602	
13,400.0	10,311.3	12,888.0	9,546.1	28.7	32.3	-19.92	3,262.9	-190.3	816.0	751.2	64.81	12.591	
13,470.2	10,311.5	12,949.0	9,546.7	29.2	32.8	-19.88	3,323.9	-189.6	815.3	749.6	65.71	12.408	
13,490.0	10,311.6	12,964.1	9,546.7	29.3	32.9	-19.87	3,339.0	-189.5	815.3	749.4	65.95	12.363	
13,500.0	10,311.6	12,982.0	9,546.5	29.4	33.0	-19.85	3,356.9	-189.4	815.5	749.4	66.11	12.335	
13,503.2	10,311.6	12,982.0	9,546.5	29.4	33.0	-19.85	3,356.9	-189.4	815.5	749.3	66.14	12.329	
13,585.0	10,311.8	13,037.2	9,545.7	29.9	33.5	-19.90	3,412.0	-190.6	817.2	750.1	67.10	12.178	
13,600.0	10,311.9	13,048.7	9,545.5	30.0	33.6	-19.93	3,423.6	-191.2	817.7	750.4	67.28	12.153	
13,680.0	10,312.1	13,141.9	9,544.8	30.6	34.3	-20.39	3,516.4	-198.8	820.7	752.3	68.40	11.999	
13,700.0	10,312.1	13,171.9	9,545.4	30.7	34.6	-20.57	3,546.3	-201.4	821.0	752.3	68.70	11.951	
13,775.0	10,312.3	13,223.0	9,545.5	31.2	35.0	-20.78	3,597.3	-204.8	822.8	753.2	69.58	11.825	
13,800.0	10,312.4	13,240.0	9,545.0	31.4	35.1	-20.81	3,614.3	-205.4	823.8	754.0	69.86	11.792	
13,870.0	10,312.6	13,350.6	9,541.3	31.9	36.1	-20.77	3,724.8	-206.6	826.9	755.9	71.01	11.645	
13,882.4	10,312.6	13,339.9	9,541.9	32.0	36.0	-20.78	3,714.1	-206.5	826.6	755.5	71.08	11.629	
13,900.0	10,312.7	13,357.5	9,541.5	32.1	36.1	-20.77	3,731.6	-206.6	827.1	755.7	71.32	11.597	
13,965.0	10,312.8	13,408.3	9,540.6	32.6	36.5	-20.73	3,782.4	-206.4	828.5	756.3	72.12	11.487	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
14,000.0	10,312.9	13,426.4	9,539.5	32.8	36.7	-20.69	3,800.5	-206.3	830.3	757.9	72.47	11.457	
14,060.0	10,313.1	13,463.8	9,536.1	33.2	37.0	-20.57	3,837.7	-205.9	835.2	762.1	73.09	11.427	
14,100.0	10,313.2	13,657.1	9,534.5	33.5	38.6	-20.20	4,030.5	-201.3	835.6	761.4	74.15	11.268	
14,155.0	10,313.3	13,708.4	9,540.0	33.9	39.0	-20.41	4,081.5	-202.7	830.6	755.7	74.91	11.088	
14,200.0	10,313.5	13,740.0	9,543.3	34.2	39.2	-20.56	4,112.9	-203.8	826.8	751.2	75.57	10.942	
14,250.0	10,313.6	13,788.5	9,548.1	34.6	39.6	-20.79	4,161.1	-205.7	823.0	746.7	76.26	10.792	
14,300.0	10,313.7	13,833.0	9,551.9	34.9	40.0	-20.99	4,205.4	-207.5	819.8	742.8	76.96	10.653	
14,345.0	10,313.8	13,867.5	9,554.5	35.2	40.3	-21.14	4,239.8	-208.9	817.4	739.8	77.59	10.534	
14,400.0	10,314.0	13,916.3	9,557.7	35.6	40.7	-21.33	4,288.4	-210.7	814.8	736.4	78.36	10.398	
14,440.0	10,314.1	13,927.0	9,558.3	35.9	40.8	-21.37	4,299.1	-211.1	813.6	734.7	78.88	10.315	
14,491.4	10,314.2	13,972.9	9,559.9	36.3	41.1	-21.48	4,345.0	-212.3	812.7	733.1	79.58	10.212	
14,500.0	10,314.2	13,977.9	9,559.9	36.3	41.2	-21.49	4,350.0	-212.4	812.7	733.0	79.68	10.199	
14,535.0	10,314.3	13,998.2	9,559.8	36.6	41.3	-21.50	4,370.3	-212.7	813.2	733.0	80.11	10.151	
14,600.0	10,314.5	14,047.8	9,558.0	37.0	41.8	-21.47	4,419.9	-213.2	815.5	734.6	80.93	10.077	
14,630.0	10,314.6	14,080.3	9,556.9	37.2	42.0	-21.47	4,452.3	-213.7	816.7	735.4	81.37	10.037	
14,700.0	10,314.8	14,145.5	9,555.1	37.7	42.6	-21.53	4,517.4	-215.6	819.4	737.1	82.32	9.954	
14,725.0	10,314.8	14,165.2	9,554.4	37.9	42.7	-21.55	4,537.1	-216.1	820.6	737.9	82.63	9.930	
14,800.0	10,315.0	14,231.1	9,550.9	38.5	43.3	-21.54	4,603.0	-217.6	825.0	741.4	83.62	9.866	
14,820.0	10,315.1	14,254.5	9,549.6	38.6	43.5	-21.53	4,626.2	-218.0	826.2	742.3	83.93	9.843	
14,900.0	10,315.3	14,345.8	9,545.0	39.2	44.2	-21.42	4,717.4	-218.5	830.2	745.0	85.16	9.748	
14,915.0	10,315.3	14,362.5	9,544.3	39.3	44.4	-21.40	4,734.1	-218.5	830.8	745.4	85.39	9.730	
15,000.0	10,315.6	14,439.7	9,541.0	39.9	45.0	-21.30	4,811.3	-218.4	834.4	747.8	86.54	9.641	
15,010.0	10,315.6	14,447.4	9,540.5	40.0	45.1	-21.28	4,819.0	-218.4	834.9	748.2	86.67	9.633	
15,100.0	10,315.8	14,590.0	9,535.1	40.6	46.3	-21.04	4,961.4	-217.1	838.6	750.4	88.25	9.503	
15,105.0	10,315.8	14,605.6	9,535.5	40.6	46.4	-21.03	4,977.0	-217.0	838.4	750.0	88.34	9.491	
15,200.0	10,316.1	14,685.0	9,535.0	41.3	47.1	-20.86	5,056.3	-214.7	837.9	748.2	89.67	9.344	
15,202.7	10,316.1	14,685.0	9,535.0	41.3	47.1	-20.86	5,056.3	-214.7	837.9	748.2	89.70	9.341	
15,295.0	10,316.4	14,789.4	9,533.0	42.0	47.9	-20.43	5,160.6	-209.1	838.1	747.0	91.07	9.202	
15,300.0	10,316.4	14,796.5	9,533.0	42.1	48.0	-20.40	5,167.6	-208.6	838.0	746.8	91.15	9.194	
15,390.0	10,316.6	14,909.4	9,533.7	42.7	48.9	-19.75	5,280.1	-198.7	834.8	742.3	92.47	9.027	
15,400.0	10,316.6	14,918.9	9,533.8	42.8	49.0	-19.69	5,289.5	-197.7	834.4	741.7	92.62	9.009	
15,485.0	10,316.9	14,999.8	9,534.8	43.4	49.7	-19.23	5,370.1	-190.5	830.9	737.1	93.86	8.853	
15,500.0	10,316.9	15,014.3	9,535.0	43.5	49.8	-19.16	5,384.6	-189.4	830.4	736.3	94.08	8.827	
15,580.0	10,317.1	15,091.9	9,536.7	44.1	50.4	-18.92	5,462.1	-185.4	827.5	732.3	95.24	8.689	
15,600.0	10,317.2	15,111.5	9,537.2	44.2	50.6	-18.87	5,481.6	-184.5	826.9	731.3	95.53	8.655	
15,675.0	10,317.4	15,183.2	9,538.6	44.8	51.2	-18.66	5,553.2	-181.1	824.4	727.8	96.63	8.532	
15,700.0	10,317.4	15,205.5	9,538.9	45.0	51.3	-18.59	5,575.5	-180.0	823.7	726.7	96.99	8.493	
15,770.0	10,317.6	15,261.0	9,539.4	45.5	51.8	-18.41	5,630.9	-177.3	822.2	724.2	97.99	8.391	
15,800.0	10,317.7	15,292.7	9,539.4	45.7	52.1	-18.29	5,662.6	-175.6	821.8	723.3	98.43	8.349	
15,853.5	10,317.8	15,337.4	9,538.9	46.1	52.4	-18.09	5,707.2	-172.9	821.5	722.3	99.19	8.282	
15,865.0	10,317.9	15,347.0	9,538.7	46.2	52.5	-18.05	5,716.8	-172.3	821.5	722.2	99.35	8.269	
15,900.0	10,318.0	15,407.5	9,538.2	46.4	53.0	-17.78	5,777.1	-168.6	821.3	721.4	99.92	8.220	
15,960.0	10,318.1	15,497.2	9,542.0	46.9	53.8	-17.58	5,866.7	-164.7	818.0	717.2	100.75	8.119	
16,000.0	10,318.2	15,543.3	9,544.9	47.1	54.1	-17.53	5,912.6	-163.2	815.2	713.9	101.31	8.047	
16,055.0	10,318.4	15,596.0	9,548.5	47.6	54.6	-17.50	5,965.3	-161.7	811.3	709.2	102.13	7.944	
16,100.0	10,318.5	15,641.0	9,551.5	47.9	55.0	-17.48	6,010.1	-160.7	808.2	705.4	102.79	7.863	
16,150.0	10,318.6	15,676.3	9,553.6	48.2	55.2	-17.49	6,045.3	-160.3	805.2	701.7	103.57	7.775	
16,200.0	10,318.8	15,713.3	9,555.5	48.6	55.6	-17.54	6,082.3	-160.6	803.1	698.7	104.33	7.698	
16,245.0	10,318.9	15,750.1	9,557.0	48.9	55.9	-17.63	6,119.1	-161.6	801.8	696.8	104.99	7.637	
16,300.0	10,319.0	15,804.1	9,559.1	49.3	56.3	-17.79	6,173.0	-163.4	800.4	694.6	105.80	7.565	
16,340.0	10,319.1	15,844.2	9,560.7	49.6	56.7	-17.93	6,213.0	-165.0	799.4	693.1	106.39	7.514	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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	10,319.3	15,906.8	9,563.3	50.1	57.2	-18.14	6,275.5	-167.5	797.9	690.6	107.28	7.437	
16,435.0	10,319.4	15,942.9	9,564.9	50.3	57.5	-18.28	6,311.5	-169.0	796.9	689.1	107.80	7.392	
16,500.0	10,319.5	16,008.8	9,568.1	50.8	58.0	-18.54	6,377.3	-172.0	795.0	686.2	108.77	7.309	
16,530.0	10,319.6	16,037.2	9,569.5	51.0	58.3	-18.67	6,405.7	-173.5	794.1	684.9	109.22	7.271	
16,600.0	10,319.8	16,100.8	9,572.2	51.6	58.8	-18.92	6,469.1	-176.4	792.5	682.2	110.25	7.188	
16,625.0	10,319.9	16,124.2	9,573.1	51.7	59.0	-19.01	6,492.4	-177.5	792.0	681.4	110.62	7.160	
16,700.0	10,320.1	16,197.4	9,575.8	52.3	59.6	-19.31	6,565.5	-181.2	790.8	679.1	111.74	7.077	
16,720.0	10,320.1	16,209.0	9,576.2	52.4	59.7	-19.36	6,577.1	-181.9	790.6	678.5	112.02	7.057	
16,756.2	10,320.2	16,241.8	9,577.1	52.7	60.0	-19.50	6,609.8	-183.6	790.3	677.8	112.55	7.022	
16,800.0	10,320.3	16,274.2	9,577.5	53.0	60.3	-19.60	6,642.2	-185.1	790.6	677.5	113.15	6.988	
16,815.0	10,320.4	16,285.3	9,577.4	53.1	60.4	-19.63	6,653.3	-185.5	790.9	677.5	113.35	6.977	
16,900.0	10,320.6	16,370.1	9,576.7	53.8	61.1	-19.82	6,738.0	-188.9	792.9	678.3	114.62	6.918	
16,910.0	10,320.6	16,381.1	9,576.7	53.8	61.2	-19.85	6,749.0	-189.4	793.1	678.3	114.77	6.910	
17,000.0	10,320.9	16,456.0	9,576.3	54.5	61.8	-20.09	6,823.7	-193.3	795.3	679.3	116.01	6.856	
17,005.0	10,320.9	16,459.8	9,576.2	54.5	61.9	-20.10	6,827.6	-193.5	795.5	679.5	116.07	6.854	
17,100.0	10,321.1	16,560.2	9,573.2	55.3	62.7	-20.27	6,927.9	-197.4	799.7	682.1	117.54	6.803	
17,195.0	10,321.4	16,661.1	9,570.7	56.0	63.6	-20.19	7,028.7	-197.6	802.1	683.0	119.01	6.740	
17,200.0	10,321.4	16,666.0	9,570.6	56.0	63.6	-20.19	7,033.7	-197.6	802.2	683.1	119.08	6.736	
17,290.0	10,321.6	16,743.0	9,567.9	56.7	64.3	-20.07	7,110.6	-197.0	805.0	684.7	120.32	6.691	
17,300.0	10,321.7	16,751.3	9,567.6	56.7	64.3	-20.05	7,118.9	-197.0	805.5	685.0	120.46	6.687	
17,385.0	10,321.9	16,828.1	9,563.6	57.4	65.0	-19.94	7,195.6	-196.9	809.7	688.0	121.65	6.656	
17,400.0	10,321.9	16,842.2	9,562.9	57.5	65.1	-19.92	7,209.7	-197.0	810.5	688.6	121.86	6.651	
17,480.0	10,322.1	16,946.0	9,558.6	58.1	66.0	-19.89	7,313.3	-198.3	814.1	690.9	123.28	6.604	
17,500.0	10,322.2	16,976.0	9,558.3	58.2	66.3	-19.91	7,343.3	-198.9	814.5	690.9	123.64	6.588	
17,575.0	10,322.4	17,058.9	9,558.8	58.8	67.0	-20.12	7,426.2	-202.1	815.2	690.4	124.81	6.532	
17,600.0	10,322.5	17,084.9	9,559.3	59.0	67.2	-20.22	7,452.1	-203.5	815.3	690.1	125.19	6.512	
17,670.0	10,322.6	17,157.1	9,561.0	59.5	67.8	-20.54	7,524.1	-207.9	815.3	689.1	126.27	6.457	
17,687.6	10,322.7	17,174.1	9,561.5	59.6	67.9	-20.62	7,541.2	-209.0	815.3	688.8	126.53	6.444	
17,700.0	10,322.7	17,186.2	9,561.8	59.7	68.0	-20.67	7,553.2	-209.8	815.3	688.6	126.72	6.434	
17,765.0	10,322.9	17,249.2	9,563.4	60.2	68.6	-20.98	7,616.1	-214.0	815.4	687.7	127.70	6.386	
17,800.0	10,323.0	17,282.3	9,564.2	60.5	68.9	-21.13	7,649.1	-216.3	815.6	687.4	128.22	6.361	
17,860.0	10,323.2	17,341.0	9,565.3	60.9	69.4	-21.41	7,707.6	-220.2	816.0	686.9	129.13	6.319	
17,900.0	10,323.3	17,374.8	9,565.8	61.2	69.7	-21.56	7,741.3	-222.5	816.5	686.8	129.71	6.295	
17,955.0	10,323.4	17,423.7	9,566.3	61.6	70.1	-21.80	7,790.1	-226.0	817.6	687.0	130.51	6.264	
18,000.0	10,323.5	17,463.3	9,566.5	61.9	70.4	-21.98	7,829.6	-228.9	818.7	687.6	131.15	6.242	
18,050.0	10,323.7	17,507.2	9,566.0	62.3	70.8	-22.12	7,873.4	-231.4	820.4	688.5	131.86	6.221	
18,100.0	10,323.8	17,551.5	9,564.9	62.7	71.2	-22.20	7,917.7	-233.3	822.4	689.8	132.57	6.203	
18,145.0	10,323.9	17,591.7	9,563.5	63.0	71.5	-22.25	7,957.9	-234.7	824.5	691.3	133.20	6.190	
18,200.0	10,324.1	17,644.7	9,561.3	63.4	72.0	-22.28	8,010.8	-236.2	827.3	693.3	134.01	6.173	
18,240.0	10,324.2	17,688.5	9,559.2	63.7	72.3	-22.25	8,054.5	-236.8	829.3	694.6	134.66	6.158	
18,300.0	10,324.3	17,757.0	9,556.2	64.2	72.9	-22.16	8,122.9	-236.9	831.9	696.2	135.65	6.132	
18,335.0	10,324.4	17,798.3	9,555.2	64.4	73.3	-22.18	8,164.2	-237.7	833.0	696.8	136.24	6.114	
18,400.0	10,324.6	17,879.3	9,554.4	64.9	74.0	-22.28	8,245.2	-239.8	834.3	697.0	137.34	6.075	
18,430.0	10,324.7	17,917.2	9,554.4	65.2	74.3	-22.28	8,283.1	-240.0	834.5	696.7	137.83	6.055	
18,500.0	10,324.8	18,003.2	9,556.1	65.7	75.0	-22.42	8,369.0	-241.9	833.9	694.9	138.93	6.002	
18,525.0	10,324.9	18,026.5	9,557.0	65.9	75.2	-22.50	8,392.3	-242.8	833.4	694.1	139.31	5.982	
18,600.0	10,325.1	18,097.4	9,559.5	66.4	75.8	-22.76	8,463.0	-246.1	832.4	691.9	140.46	5.926	
18,620.0	10,325.2	18,118.6	9,560.3	66.6	76.0	-22.84	8,484.2	-247.1	832.1	691.4	140.77	5.911	
18,700.0	10,325.4	18,201.0	9,562.7	67.2	76.7	-23.03	8,566.6	-249.3	830.9	688.9	142.00	5.851	
18,715.0	10,325.4	18,213.7	9,563.0	67.3	76.8	-23.04	8,579.3	-249.4	830.7	688.5	142.23	5.841	
18,780.8	10,325.6	18,269.3	9,563.5	67.8	77.3	-23.04	8,634.9	-249.4	830.2	687.0	143.21	5.798	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
18,800.0	10,325.6	18,280.0	9,563.4	67.9	77.4	-23.03	8,645.6	-249.3	830.3	686.8	143.46	5.787	
18,810.0	10,325.7	18,294.0	9,563.4	68.0	77.5	-23.01	8,659.6	-249.1	830.3	686.7	143.63	5.781	
18,900.0	10,325.9	18,374.0	9,562.4	68.7	78.2	-22.98	8,739.5	-249.3	831.5	686.5	144.95	5.736	
18,905.0	10,325.9	18,374.0	9,562.4	68.7	78.2	-22.98	8,739.5	-249.3	831.6	686.6	144.99	5.735	
19,000.0	10,326.2	18,453.0	9,559.8	69.4	78.8	-22.89	8,818.5	-249.2	834.6	688.3	146.30	5.705	
19,095.0	10,326.4	18,552.9	9,554.0	70.1	79.7	-22.50	8,918.2	-245.8	838.6	690.8	147.78	5.674	
19,100.0	10,326.4	18,558.4	9,553.7	70.2	79.7	-22.47	8,923.7	-245.4	838.7	690.9	147.86	5.672	
19,190.0	10,326.7	18,647.2	9,548.1	70.8	80.5	-21.96	9,012.1	-239.9	842.0	692.8	149.21	5.643	
19,200.0	10,326.7	18,657.0	9,547.5	70.9	80.6	-21.90	9,021.9	-239.3	842.4	693.0	149.35	5.640	
19,285.0	10,326.9	18,740.5	9,542.1	71.6	81.3	-21.42	9,105.0	-234.1	845.7	695.0	150.62	5.615	
19,300.0	10,327.0	18,760.0	9,540.8	71.7	81.4	-21.30	9,124.5	-232.8	846.2	695.4	150.89	5.609	
19,380.0	10,327.2	18,888.3	9,539.2	72.3	82.5	-20.82	9,252.6	-226.2	845.3	693.0	152.31	5.550	
19,400.0	10,327.2	18,907.2	9,539.4	72.4	82.7	-20.77	9,271.4	-225.5	844.9	692.3	152.62	5.536	
19,475.0	10,327.4	18,978.9	9,540.0	73.0	83.3	-20.61	9,343.0	-223.0	843.5	689.7	153.76	5.486	
19,500.0	10,327.5	19,003.0	9,540.2	73.2	83.5	-20.57	9,367.1	-222.3	843.1	688.9	154.14	5.470	
19,570.0	10,327.7	19,073.1	9,540.8	73.7	84.1	-20.45	9,437.2	-220.5	842.0	686.8	155.20	5.425	
19,600.0	10,327.8	19,104.1	9,541.1	73.9	84.3	-20.40	9,468.2	-219.7	841.5	685.8	155.66	5.406	
19,665.0	10,327.9	19,164.1	9,541.7	74.4	84.9	-20.31	9,528.2	-218.2	840.5	683.8	156.65	5.365	
19,700.0	10,328.0	19,193.8	9,541.8	74.7	85.1	-20.26	9,557.8	-217.5	840.2	683.0	157.17	5.346	
19,727.4	10,328.1	19,217.0	9,541.7	74.9	85.3	-20.22	9,581.1	-217.0	840.1	682.5	157.58	5.331	
19,760.0	10,328.2	19,246.2	9,541.5	75.1	85.6	-20.17	9,610.3	-216.4	840.2	682.1	158.06	5.316	
19,800.0	10,328.3	19,282.8	9,541.0	75.4	85.9	-20.11	9,646.9	-215.6	840.4	681.8	158.66	5.297	
19,855.0	10,328.4	19,340.8	9,540.0	75.8	86.4	-19.99	9,704.8	-214.3	840.9	681.4	159.51	5.272	
19,900.0	10,328.6	19,405.6	9,540.0	76.2	86.9	-19.86	9,769.7	-212.6	840.6	680.4	160.24	5.246	
19,950.0	10,328.7	19,469.4	9,541.4	76.5	87.4	-19.78	9,833.4	-211.0	839.2	678.2	160.99	5.213	
20,000.0	10,328.8	19,529.7	9,543.8	76.9	88.0	-19.74	9,893.6	-209.8	837.1	675.4	161.71	5.176	
20,045.0	10,328.9	19,580.1	9,546.4	77.3	88.4	-19.74	9,944.0	-208.9	834.8	672.4	162.37	5.141	
20,100.0	10,329.1	19,637.3	9,549.6	77.7	88.9	-19.75	10,001.0	-208.2	831.7	668.5	163.20	5.096	
20,140.0	10,329.2	19,676.5	9,551.9	78.0	89.2	-19.77	10,040.2	-207.8	829.4	665.6	163.82	5.063	
20,200.0	10,329.4	19,732.9	9,555.2	78.4	89.7	-19.81	10,096.5	-207.4	826.2	661.4	164.77	5.014	
20,235.0	10,329.4	19,764.9	9,556.9	78.7	89.9	-19.84	10,128.4	-207.2	824.4	659.1	165.32	4.987	
20,300.0	10,329.6	19,826.1	9,559.9	79.2	90.5	-19.89	10,189.6	-207.2	821.4	655.1	166.34	4.938	
20,330.0	10,329.7	19,855.2	9,561.4	79.4	90.7	-19.93	10,218.6	-207.4	820.1	653.3	166.81	4.917	
20,400.0	10,329.9	19,925.4	9,565.0	79.9	91.3	-20.06	10,288.8	-208.2	817.2	649.3	167.89	4.868	
20,425.0	10,330.0	19,951.4	9,566.4	80.1	91.5	-20.11	10,314.7	-208.6	816.1	647.8	168.27	4.850	
20,500.0	10,330.1	20,021.8	9,570.2	80.7	92.1	-20.27	10,384.9	-209.9	812.9	643.4	169.45	4.797	
20,520.0	10,330.2	20,039.0	9,571.1	80.8	92.3	-20.32	10,402.1	-210.3	812.1	642.4	169.77	4.784	
20,600.0	10,330.4	20,104.1	9,573.9	81.4	92.8	-20.52	10,467.1	-212.5	809.9	638.9	171.03	4.736	
20,615.0	10,330.5	20,115.2	9,574.3	81.5	92.9	-20.56	10,478.3	-212.9	809.7	638.5	171.26	4.728	
20,652.5	10,330.6	20,143.2	9,575.0	81.8	93.1	-20.65	10,506.2	-214.1	809.5	637.7	171.82	4.711	
20,700.0	10,330.7	20,179.9	9,575.4	82.2	93.5	-20.76	10,542.8	-215.8	809.8	637.3	172.50	4.695	
20,710.0	10,330.7	20,189.4	9,575.4	82.3	93.5	-20.79	10,552.3	-216.2	810.0	637.3	172.65	4.691	
20,800.0	10,330.9	20,275.0	9,575.6	82.9	94.3	-21.04	10,637.8	-220.3	811.5	637.4	174.02	4.663	
20,805.0	10,331.0	20,279.7	9,575.6	83.0	94.3	-21.05	10,642.6	-220.5	811.6	637.5	174.09	4.662	
20,900.0	10,331.2	20,370.7	9,575.1	83.7	95.1	-21.30	10,733.4	-224.7	813.8	638.2	175.54	4.636	
20,995.0	10,331.5	20,483.1	9,575.7	84.4	96.1	-21.63	10,845.7	-229.8	815.0	637.9	177.14	4.601	
21,000.0	10,331.5	20,488.6	9,575.8	84.5	96.1	-21.65	10,851.2	-230.1	815.0	637.8	177.22	4.599	
21,074.0	10,331.7	20,564.9	9,578.5	85.0	96.8	-22.09	10,927.2	-236.1	814.9	636.5	178.39	4.568	
21,090.0	10,331.7	20,577.0	9,578.9	85.1	96.9	-22.17	10,939.3	-237.2	815.0	636.3	178.63	4.562	
21,100.0	10,331.7	20,584.5	9,579.1	85.2	96.9	-22.22	10,946.8	-237.9	815.0	636.3	178.77	4.559	
21,185.0	10,332.0	20,648.0	9,580.3	85.8	97.5	-22.64	11,009.9	-244.1	816.8	636.9	179.93	4.540	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #706H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8813-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
21,200.0	10,332.0	20,663.4	9,580.4	86.0	97.6	-22.73	11,025.3	-245.5	817.4	637.2	180.18	4.536	
21,280.0	10,332.2	20,741.3	9,580.2	86.6	98.3	-23.12	11,102.9	-251.9	820.2	638.8	181.41	4.521	
21,300.0	10,332.3	20,762.3	9,579.9	86.7	98.5	-23.19	11,123.9	-253.1	821.0	639.2	181.74	4.517	
21,375.0	10,332.5	20,842.1	9,577.7	87.3	99.1	-23.19	11,203.5	-254.4	823.4	640.5	182.94	4.501	
21,400.0	10,332.5	20,867.0	9,576.8	87.5	99.4	-23.13	11,228.4	-254.0	824.2	640.9	183.33	4.496	
21,470.0	10,332.7	20,935.0	9,574.0	88.0	99.9	-22.95	11,296.4	-252.5	826.3	642.0	184.38	4.482	
21,500.0	10,332.8	20,963.6	9,572.7	88.2	100.2	-22.86	11,325.0	-251.7	827.3	642.5	184.82	4.476	
21,565.0	10,333.0	21,022.1	9,569.5	88.7	100.7	-22.62	11,383.3	-249.6	829.8	644.1	185.73	4.468	
21,600.0	10,333.1	21,069.4	9,566.8	89.0	101.1	-22.40	11,430.5	-247.3	831.1	644.7	186.39	4.459	
21,660.0	10,333.2	21,183.3	9,564.1	89.4	102.0	-21.86	11,544.1	-240.4	831.4	643.9	187.44	4.436	
21,700.0	10,333.3	21,246.8	9,566.8	89.7	102.6	-21.71	11,607.5	-237.3	829.0	641.1	187.88	4.413	
21,755.0	10,333.5	21,304.7	9,570.2	90.1	103.1	-21.64	11,665.2	-234.9	825.3	636.6	188.69	4.374	
21,800.0	10,333.6	21,350.5	9,573.1	90.5	103.4	-21.61	11,710.9	-233.5	822.2	632.8	189.38	4.342	
21,850.0	10,333.7	21,400.8	9,576.6	90.9	103.9	-21.63	11,761.1	-232.6	818.7	628.6	190.14	4.306	
21,900.0	10,333.9	21,452.7	9,580.5	91.2	104.3	-21.70	11,812.8	-232.3	815.1	624.3	190.90	4.270	
21,945.0	10,334.0	21,499.6	9,584.2	91.6	104.7	-21.76	11,859.6	-231.9	811.8	620.2	191.57	4.238	
22,000.0	10,334.1	21,558.1	9,589.1	92.0	105.2	-21.86	11,917.9	-231.7	807.6	615.2	192.37	4.198	
22,040.0	10,334.2	21,600.7	9,593.0	92.3	105.6	-21.96	11,960.3	-231.8	804.3	611.3	192.96	4.168	
22,100.0	10,334.4	21,668.3	9,599.7	92.8	106.1	-22.17	12,027.5	-232.3	799.0	605.3	193.77	4.124	
22,135.0	10,334.5	21,705.5	9,603.8	93.0	106.4	-22.31	12,064.5	-232.9	795.7	601.4	194.28	4.096	
22,200.0	10,334.7	21,767.2	9,610.7	93.5	106.9	-22.58	12,125.9	-234.3	789.6	594.3	195.36	4.042	
22,230.0	10,334.7	21,797.0	9,614.1	93.7	107.2	-22.73	12,155.4	-235.2	786.9	591.0	195.83	4.018	
22,300.0	10,334.9	21,821.0	9,616.8	94.3	107.4	-22.84	12,179.3	-235.8	781.8	584.4	197.41	3.960	
22,325.0	10,335.0	21,821.0	9,616.8	94.5	107.4	-22.84	12,179.3	-235.8	781.4	583.6	197.80	3.950	
22,325.9	10,335.0	21,821.0	9,616.8	94.5	107.4	-22.84	12,179.3	-235.8	781.4	583.6	197.81	3.950	
22,330.0	10,335.0	21,821.0	9,616.8	94.5	107.4	-22.84	12,179.3	-235.8	781.4	583.5	197.86	3.949	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #906H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10135-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	89.76	0.4	90.1	90.1				
95.0	95.0	94.4	94.4	3.0	3.0	89.76	0.4	90.1	90.1	84.1	6.04	14.935	
100.0	100.0	99.4	99.4	3.0	3.0	89.76	0.4	90.1	90.1	84.1	6.04	14.923	
190.0	190.0	189.4	189.4	3.1	3.1	89.76	0.4	90.1	90.1	83.9	6.25	14.420	
200.0	200.0	199.4	199.4	3.1	3.1	89.76	0.4	90.1	90.1	83.9	6.29	14.342	
285.0	285.0	284.4	284.4	3.3	3.2	89.76	0.4	90.1	90.1	83.7	6.48	13.906	
300.0	300.0	299.4	299.4	3.3	3.3	89.76	0.4	90.1	90.1	83.6	6.52	13.822	
380.0	380.0	379.4	379.4	3.4	3.4	89.76	0.4	90.1	90.1	83.4	6.70	13.451	
400.0	400.0	399.4	399.4	3.4	3.4	89.76	0.4	90.1	90.1	83.4	6.75	13.355	
475.0	475.0	474.4	474.4	3.5	3.5	89.76	0.4	90.1	90.1	83.2	6.91	13.040	
500.0	500.0	499.4	499.4	3.5	3.5	89.76	0.4	90.1	90.1	83.2	6.97	12.933	
570.0	570.0	569.4	569.4	3.6	3.6	89.76	0.4	90.1	90.1	83.0	7.12	12.664	
600.0	600.0	599.4	599.4	3.6	3.6	89.76	0.4	90.1	90.1	83.0	7.18	12.548	
665.0	665.0	664.4	664.4	3.7	3.7	89.76	0.4	90.1	90.1	82.8	7.32	12.319	
700.0	700.0	699.4	699.4	3.8	3.8	89.76	0.4	90.1	90.1	82.7	7.39	12.195	
760.0	760.0	759.4	759.4	3.8	3.8	89.76	0.4	90.1	90.1	82.6	7.51	12.001	
800.0	800.0	799.4	799.4	3.9	3.9	89.76	0.4	90.1	90.1	82.5	7.59	11.871	
855.0	855.0	854.4	854.4	4.0	3.9	89.76	0.4	90.1	90.1	82.4	7.70	11.706	
900.0	900.0	899.4	899.4	4.0	4.0	89.76	0.4	90.1	90.1	82.4	7.79	11.572	
950.0	950.0	949.4	949.4	4.1	4.1	89.76	0.4	90.1	90.1	82.3	7.88	11.432	
1,000.0	1,000.0	999.4	999.4	4.1	4.1	89.76	0.4	90.1	90.1	82.2	7.98	11.294	
1,045.0	1,045.0	1,044.4	1,044.4	4.2	4.2	89.76	0.4	90.1	90.1	82.1	8.07	11.176	
1,100.0	1,100.0	1,099.4	1,099.4	4.2	4.2	89.76	0.4	90.1	90.1	82.0	8.17	11.035	
1,140.0	1,140.0	1,139.4	1,139.4	4.3	4.3	89.76	0.4	90.1	90.1	81.9	8.24	10.937	
1,200.0	1,200.0	1,199.4	1,199.4	4.4	4.4	89.76	0.4	90.1	90.1	81.8	8.35	10.793	
1,235.0	1,235.0	1,234.4	1,234.4	4.4	4.4	89.76	0.4	90.1	90.1	81.7	8.41	10.713	
1,300.0	1,300.0	1,299.4	1,299.4	4.5	4.5	89.76	0.4	90.1	90.1	81.6	8.53	10.566	
1,330.0	1,330.0	1,329.4	1,329.4	4.5	4.5	89.76	0.4	90.1	90.1	81.6	8.58	10.502	
1,400.0	1,400.0	1,399.4	1,399.4	4.6	4.6	89.76	0.4	90.1	90.1	81.4	8.71	10.353	
1,425.0	1,425.0	1,424.4	1,424.4	4.6	4.6	89.76	0.4	90.1	90.1	81.4	8.75	10.302	
1,500.0	1,500.0	1,499.4	1,499.4	4.7	4.7	89.76	0.4	90.1	90.1	81.3	8.88	10.152	CC
1,520.0	1,520.0	1,518.8	1,518.8	4.7	4.7	-41.84	0.4	90.2	90.2	81.2	8.94	10.080	ES
1,600.0	1,600.0	1,596.4	1,596.3	4.9	4.8	-42.47	0.3	91.8	90.5	81.3	9.20	9.834	
1,615.0	1,615.0	1,610.9	1,610.9	4.9	4.8	-42.68	0.3	92.3	90.6	81.4	9.27	9.774	
1,700.0	1,699.8	1,693.2	1,693.1	5.1	5.0	-44.38	0.0	96.6	91.8	82.1	9.68	9.478	
1,710.0	1,709.8	1,702.9	1,702.7	5.1	5.0	-44.64	0.0	97.3	91.9	82.2	9.71	9.463	
1,749.9	1,749.6	1,741.5	1,741.3	5.2	5.0	-45.77	-0.2	100.3	92.7	82.9	9.85	9.414	
1,800.0	1,799.5	1,790.0	1,789.5	5.2	5.2	-47.27	-0.4	104.8	94.3	84.3	10.02	9.412	SF
1,805.0	1,804.5	1,794.8	1,794.3	5.2	5.2	-47.41	-0.4	105.3	94.6	84.5	10.05	9.413	
1,900.0	1,899.1	1,886.5	1,885.3	5.4	5.5	-49.81	-1.0	116.1	100.2	89.7	10.47	9.572	
1,995.0	1,993.8	1,977.8	1,975.6	5.6	5.8	-51.58	-1.7	129.8	109.0	98.1	10.90	9.994	
2,000.0	1,998.7	1,982.6	1,980.3	5.6	5.8	-51.66	-1.8	130.6	109.5	98.6	10.93	10.023	
2,090.0	2,088.4	2,068.5	2,064.8	5.9	6.1	-52.74	-2.6	146.3	120.7	109.4	11.35	10.636	
2,100.0	2,098.4	2,078.0	2,074.1	5.9	6.1	-52.83	-2.7	148.2	122.1	110.7	11.40	10.715	
2,185.0	2,183.0	2,158.5	2,152.7	6.1	6.4	-53.36	-3.6	165.4	135.3	123.5	11.81	11.462	
2,200.0	2,198.0	2,172.6	2,166.4	6.1	6.5	-53.42	-3.8	168.6	137.9	126.0	11.88	11.608	
2,280.0	2,277.7	2,250.0	2,241.5	6.4	6.7	-53.62	-4.8	187.2	152.4	140.1	12.28	12.410	
2,300.0	2,297.6	2,269.6	2,260.6	6.4	6.8	-53.66	-5.0	191.9	156.1	143.7	12.38	12.604	
2,375.0	2,372.3	2,343.4	2,332.1	6.6	7.0	-53.80	-6.0	209.7	169.8	157.0	12.78	13.292	
2,400.0	2,397.2	2,367.9	2,356.0	6.7	7.1	-53.84	-6.3	215.7	174.4	161.5	12.91	13.510	
2,470.0	2,466.9	2,436.7	2,422.8	6.9	7.3	-53.95	-7.2	232.3	187.2	173.9	13.29	14.089	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #906H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10135-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	2,496.8	2,466.2	2,451.4	7.0	7.4	-53.99	-7.5	239.4	192.7	179.2	13.45	14.325	
2,565.0	2,561.6	2,530.1	2,513.4	7.2	7.7	-54.07	-8.4	254.9	204.6	190.8	13.82	14.810	
2,600.0	2,596.5	2,564.5	2,546.8	7.3	7.8	-54.11	-8.8	263.2	211.0	197.0	14.01	15.057	
2,660.0	2,656.2	2,623.5	2,604.0	7.5	8.0	-54.18	-9.6	277.4	222.0	207.6	14.36	15.462	
2,700.0	2,696.1	2,662.9	2,642.2	7.6	8.2	-54.22	-10.1	286.9	229.3	214.7	14.59	15.717	
2,755.0	2,750.9	2,716.9	2,694.6	7.8	8.4	-54.27	-10.8	300.0	239.4	224.5	14.91	16.053	
2,800.0	2,795.7	2,761.2	2,737.6	7.9	8.5	-54.30	-11.3	310.7	247.6	232.4	15.18	16.313	
2,837.2	2,832.8	2,797.8	2,773.1	8.0	8.7	-54.33	-11.8	319.5	254.4	239.1	15.37	16.550	
2,850.0	2,845.5	2,810.3	2,785.2	8.1	8.7	-54.36	-12.0	322.6	256.8	241.3	15.44	16.626	
2,900.0	2,895.3	2,859.4	2,832.9	8.2	8.9	-54.42	-12.6	334.4	266.1	250.4	15.73	16.923	
2,945.0	2,940.2	2,903.6	2,875.8	8.3	9.1	-54.40	-13.2	345.1	274.8	258.7	16.00	17.170	
3,000.0	2,995.1	2,957.5	2,928.1	8.5	9.3	-54.32	-13.9	358.1	285.6	269.2	16.35	17.469	
3,040.0	3,035.0	2,996.7	2,966.1	8.6	9.5	-54.21	-14.4	367.6	293.6	277.0	16.60	17.690	
3,100.0	3,095.0	3,055.4	3,023.0	8.8	9.7	-53.99	-15.1	381.8	306.0	289.0	16.98	18.019	
3,135.0	3,130.0	3,089.6	3,056.2	8.9	9.9	-53.83	-15.5	390.0	313.4	296.2	17.21	18.215	
3,200.0	3,194.9	3,153.0	3,117.7	9.1	10.1	-53.49	-16.4	405.3	327.5	309.9	17.63	18.577	
3,230.0	3,224.9	3,182.2	3,146.1	9.2	10.3	-53.31	-16.7	412.4	334.1	316.3	17.82	18.750	
3,300.0	3,294.9	3,250.3	3,212.1	9.4	10.5	-52.84	-17.6	428.9	350.0	331.8	18.28	19.154	
3,325.0	3,319.9	3,274.6	3,235.7	9.4	10.7	-52.66	-17.9	434.7	355.9	337.4	18.41	19.329	
3,337.1	3,332.0	3,286.3	3,247.1	9.4	10.7	79.01	-18.1	437.6	358.7	340.2	18.48	19.414	
3,400.0	3,394.9	3,347.3	3,306.3	9.4	11.0	79.57	-18.9	452.3	373.5	354.7	18.80	19.862	
3,420.0	3,414.9	3,366.7	3,325.1	9.4	11.0	79.74	-19.1	457.0	378.2	359.3	18.92	19.993	
3,500.0	3,494.9	3,444.4	3,400.4	9.5	11.4	80.38	-20.1	475.7	397.1	377.7	19.37	20.505	
3,515.0	3,509.9	3,458.9	3,414.6	9.5	11.5	80.50	-20.3	479.3	400.6	381.2	19.45	20.599	
3,600.0	3,594.9	3,541.4	3,494.6	9.6	11.8	81.10	-21.3	499.2	420.8	400.8	19.93	21.116	
3,610.0	3,604.9	3,551.1	3,504.0	9.6	11.9	81.17	-21.5	501.5	423.1	403.2	19.98	21.175	
3,700.0	3,694.9	3,638.4	3,588.7	9.6	12.2	81.75	-22.6	522.6	444.5	424.0	20.49	21.697	
3,705.0	3,699.9	3,643.3	3,593.4	9.6	12.3	81.78	-22.6	523.8	445.7	425.2	20.51	21.725	
3,800.0	3,794.9	3,735.4	3,682.9	9.7	12.7	82.33	-23.8	546.1	468.3	447.2	21.05	22.250	
3,895.0	3,889.9	3,827.6	3,772.3	9.8	13.1	82.82	-25.0	568.3	490.9	469.3	21.58	22.750	
3,900.0	3,894.9	3,832.5	3,777.0	9.8	13.1	82.85	-25.1	569.5	492.1	470.5	21.61	22.776	
3,990.0	3,984.9	3,919.8	3,861.8	9.8	13.5	83.28	-26.2	590.6	513.6	491.4	22.11	23.228	
4,000.0	3,994.9	3,929.5	3,871.2	9.8	13.5	83.32	-26.3	593.0	515.9	493.8	22.16	23.277	
4,085.0	4,079.9	4,012.0	3,951.2	9.9	13.9	83.70	-27.4	612.9	536.2	513.6	22.64	23.685	
4,100.0	4,094.9	4,026.5	3,965.3	9.9	14.0	83.76	-27.6	616.4	539.8	517.1	22.72	23.755	
4,180.0	4,174.9	4,104.2	4,040.6	10.0	14.3	84.08	-28.6	635.1	558.9	535.8	23.17	24.121	
4,200.0	4,194.9	4,123.6	4,059.5	10.0	14.4	84.15	-28.8	639.8	563.7	540.4	23.28	24.211	
4,275.0	4,269.9	4,196.3	4,130.1	10.0	14.8	84.43	-29.7	657.4	581.7	558.0	23.70	24.539	
4,300.0	4,294.9	4,220.6	4,153.6	10.1	14.9	84.52	-30.1	663.3	587.7	563.8	23.84	24.646	
4,370.0	4,364.9	4,288.5	4,219.5	10.1	15.2	84.76	-30.9	679.7	604.4	580.2	24.24	24.939	
4,400.0	4,394.9	4,317.6	4,247.8	10.1	15.3	84.85	-31.3	686.7	611.6	587.2	24.40	25.061	
4,465.0	4,459.9	4,380.7	4,309.0	10.2	15.6	85.06	-32.1	702.0	627.2	602.4	24.77	25.321	
4,500.0	4,494.9	4,414.6	4,341.9	10.2	15.8	85.16	-32.5	710.2	635.6	610.6	24.97	25.458	
4,560.0	4,554.9	4,472.9	4,398.4	10.2	16.0	85.34	-33.3	724.2	650.0	624.7	25.30	25.688	
4,600.0	4,594.9	4,511.7	4,436.1	10.3	16.2	85.45	-33.8	733.6	659.6	634.0	25.53	25.838	
4,655.0	4,649.9	4,565.0	4,487.8	10.3	16.5	85.60	-34.5	746.5	672.8	646.9	25.84	26.040	
4,700.0	4,694.9	4,608.7	4,530.2	10.3	16.7	85.72	-35.0	757.0	683.6	657.5	26.09	26.202	
4,750.0	4,744.9	4,657.2	4,577.3	10.4	16.9	85.85	-35.7	768.8	695.6	669.2	26.37	26.378	
4,800.0	4,794.9	4,705.7	4,624.4	10.4	17.1	85.97	-36.3	780.5	707.6	680.9	26.65	26.551	
4,845.0	4,839.9	4,749.4	4,666.7	10.4	17.3	86.08	-36.8	791.0	718.4	691.5	26.90	26.703	
4,900.0	4,894.9	4,802.8	4,718.5	10.5	17.6	86.20	-37.5	803.9	731.6	704.4	27.21	26.885	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #906H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 10135-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	4,934.9	4,841.6	4,756.2	10.5	17.8	86.29	-38.0	813.3	741.2	713.8	27.44	27.015	
5,000.0	4,994.9	4,899.8	4,812.6	10.6	18.0	86.42	-38.8	827.4	755.6	727.9	27.78	27.206	
5,035.0	5,029.9	4,933.8	4,845.6	10.6	18.2	86.49	-39.2	835.6	764.1	736.1	27.97	27.315	
5,100.0	5,094.9	4,996.8	4,906.8	10.6	18.5	86.63	-40.0	850.8	779.7	751.3	28.34	27.513	
5,130.0	5,124.9	5,025.9	4,935.0	10.6	18.6	86.68	-40.4	857.8	786.9	758.4	28.51	27.603	
5,200.0	5,194.9	5,093.9	5,000.9	10.7	19.0	86.82	-41.3	874.3	803.7	774.8	28.90	27.809	
5,225.0	5,219.9	5,118.1	5,024.5	10.7	19.1	86.86	-41.6	880.1	809.8	780.7	29.04	27.881	
5,300.0	5,294.9	5,190.9	5,095.1	10.8	19.4	87.00	-42.5	897.7	827.8	798.3	29.47	28.093	
5,320.0	5,314.9	5,210.3	5,113.9	10.8	19.5	87.03	-42.8	902.4	832.6	803.0	29.58	28.148	
5,400.0	5,394.9	5,287.9	5,189.2	10.8	19.9	87.17	-43.7	921.1	851.9	821.8	30.03	28.366	
5,415.0	5,409.9	5,302.5	5,203.4	10.9	19.9	87.20	-43.9	924.7	855.5	825.4	30.12	28.406	
5,500.0	5,494.9	5,384.9	5,283.4	10.9	20.3	87.33	-45.0	944.6	876.0	845.4	30.60	28.629	
5,510.0	5,504.9	5,394.6	5,292.8	10.9	20.4	87.35	-45.1	946.9	878.4	847.7	30.65	28.655	
5,600.0	5,594.9	5,482.0	5,377.5	11.0	20.8	87.49	-46.2	968.0	900.0	868.9	31.16	28.882	
5,605.0	5,599.9	5,486.8	5,382.2	11.0	20.8	87.49	-46.3	969.2	901.2	870.1	31.19	28.895	
5,700.0	5,694.9	5,579.0	5,471.7	11.1	21.3	87.63	-47.5	991.5	924.1	892.4	31.73	29.126	
5,795.0	5,789.9	5,671.2	5,561.1	11.1	21.7	87.76	-48.7	1,013.7	947.0	914.7	32.27	29.350	
5,800.0	5,794.9	5,676.0	5,565.8	11.1	21.7	87.77	-48.7	1,014.9	948.2	915.9	32.29	29.362	
5,890.0	5,884.9	5,763.4	5,650.6	11.2	22.1	87.89	-49.8	1,036.0	969.9	937.1	32.80	29.566	
5,900.0	5,894.9	5,773.1	5,660.0	11.2	22.2	87.90	-50.0	1,038.3	972.3	939.5	32.86	29.588	
5,985.0	5,979.9	5,855.5	5,740.0	11.3	22.6	88.01	-51.0	1,058.3	992.8	959.5	33.34	29.775	
6,000.0	5,994.9	5,870.1	5,754.1	11.3	22.7	88.02	-51.2	1,061.8	996.4	963.0	33.43	29.807	
6,080.0	6,074.9	5,947.7	5,829.4	11.3	23.0	88.12	-52.2	1,080.5	1,015.7	981.8	33.88	29.977	
6,100.0	6,094.9	5,967.1	5,848.3	11.4	23.1	88.14	-52.5	1,085.2	1,020.5	986.5	34.00	30.019	
6,175.0	6,169.9	6,039.9	5,918.9	11.4	23.5	88.23	-53.4	1,102.8	1,038.6	1,004.2	34.42	30.172	
6,200.0	6,194.9	6,064.1	5,942.4	11.4	23.6	88.26	-53.7	1,108.7	1,044.6	1,010.1	34.56	30.223	
6,270.0	6,264.9	6,132.1	6,008.3	11.5	23.9	88.33	-54.6	1,125.1	1,061.5	1,026.6	34.96	30.362	
6,300.0	6,294.9	6,161.2	6,036.6	11.5	24.0	88.36	-54.9	1,132.1	1,068.8	1,033.6	35.13	30.420	
6,365.0	6,359.9	6,224.2	6,097.8	11.6	24.3	88.43	-55.8	1,147.3	1,084.4	1,048.9	35.50	30.545	
6,400.0	6,394.9	6,258.2	6,130.7	11.6	24.5	88.47	-56.2	1,155.6	1,092.9	1,057.2	35.70	30.611	
6,460.0	6,454.9	6,316.4	6,187.2	11.6	24.8	88.53	-56.9	1,169.6	1,107.4	1,071.3	36.04	30.722	
6,500.0	6,494.9	6,355.2	6,224.8	11.7	25.0	88.57	-57.4	1,179.0	1,117.0	1,080.7	36.27	30.795	
6,555.0	6,549.9	6,408.6	6,276.6	11.7	25.2	88.62	-58.1	1,191.9	1,130.3	1,093.7	36.59	30.894	
6,600.0	6,594.9	6,452.3	6,319.0	11.7	25.4	88.66	-58.7	1,202.4	1,141.1	1,104.3	36.84	30.974	
6,650.0	6,644.9	6,500.8	6,366.1	11.8	25.7	88.71	-59.3	1,214.2	1,153.2	1,116.1	37.13	31.061	
6,700.0	6,694.9	6,549.3	6,413.1	11.8	25.9	88.75	-59.9	1,225.9	1,165.3	1,127.8	37.41	31.146	
6,745.0	6,739.9	6,593.0	6,455.5	11.8	26.1	88.79	-60.5	1,236.4	1,176.1	1,138.4	37.67	31.222	
6,800.0	6,794.9	6,646.3	6,507.3	11.9	26.4	88.84	-61.2	1,249.3	1,189.4	1,151.4	37.98	31.314	
6,840.0	6,834.9	6,685.1	6,544.9	11.9	26.6	88.87	-61.7	1,258.7	1,199.0	1,160.8	38.21	31.379	
6,900.0	6,894.9	6,743.4	6,601.4	12.0	26.9	88.92	-62.4	1,272.8	1,213.5	1,175.0	38.55	31.476	
6,935.0	6,929.9	6,777.3	6,634.4	12.0	27.0	88.95	-62.9	1,281.0	1,222.0	1,183.2	38.75	31.531	
7,000.0	6,994.9	6,840.4	6,695.6	12.0	27.3	89.00	-63.7	1,296.2	1,237.7	1,198.5	39.13	31.633	
7,030.0	7,024.9	6,869.5	6,723.8	12.0	27.5	89.03	-64.0	1,303.2	1,244.9	1,205.6	39.30	31.679	
7,100.0	7,094.9	6,937.4	6,789.7	12.1	27.8	89.08	-64.9	1,319.6	1,261.8	1,222.1	39.70	31.785	
7,125.0	7,119.9	6,961.7	6,813.3	12.1	27.9	89.10	-65.2	1,325.5	1,267.8	1,228.0	39.84	31.822	
7,200.0	7,194.9	7,034.4	6,883.9	12.2	28.3	89.15	-66.2	1,343.1	1,285.9	1,245.7	40.27	31.933	
7,220.0	7,214.9	7,053.8	6,902.7	12.2	28.4	89.17	-66.4	1,347.8	1,290.8	1,250.4	40.38	31.962	
7,300.0	7,294.9	7,131.5	6,978.0	12.2	28.7	89.23	-67.4	1,366.5	1,310.1	1,269.2	40.84	32.076	
7,315.0	7,309.9	7,146.0	6,992.1	12.3	28.8	89.24	-67.6	1,370.0	1,313.7	1,272.8	40.93	32.097	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	89.67	0.3	60.0	60.0				
95.0	95.0	94.6	94.6	3.0	3.0	89.67	0.3	60.0	60.0	54.0	6.04	9.939	
100.0	100.0	99.6	99.6	3.0	3.0	89.67	0.3	60.0	60.0	54.0	6.04	9.931	
190.0	190.0	189.6	189.6	3.1	3.1	89.67	0.3	60.0	60.0	53.7	6.25	9.596	
200.0	200.0	199.6	199.6	3.1	3.1	89.67	0.3	60.0	60.0	53.7	6.29	9.544	
285.0	285.0	284.6	284.6	3.3	3.3	89.67	0.3	60.0	60.0	53.5	6.48	9.254	
300.0	300.0	299.6	299.6	3.3	3.3	89.67	0.3	60.0	60.0	53.5	6.52	9.198	
380.0	380.0	379.6	379.6	3.4	3.4	89.67	0.3	60.0	60.0	53.3	6.70	8.952	
400.0	400.0	399.6	399.6	3.4	3.4	89.67	0.3	60.0	60.0	53.2	6.75	8.888	
475.0	475.0	474.6	474.6	3.5	3.5	89.67	0.3	60.0	60.0	53.1	6.91	8.678	
500.0	500.0	499.6	499.6	3.5	3.5	89.67	0.3	60.0	60.0	53.0	6.97	8.607	
570.0	570.0	569.6	569.6	3.6	3.6	89.67	0.3	60.0	60.0	52.9	7.12	8.428	
600.0	600.0	599.6	599.6	3.6	3.6	89.67	0.3	60.0	60.0	52.8	7.18	8.351	
665.0	665.0	664.6	664.6	3.7	3.7	89.67	0.3	60.0	60.0	52.7	7.32	8.198	
700.0	700.0	699.6	699.6	3.8	3.8	89.67	0.3	60.0	60.0	52.6	7.39	8.116	
760.0	760.0	759.6	759.6	3.8	3.8	89.67	0.3	60.0	60.0	52.5	7.51	7.987	
800.0	800.0	799.6	799.6	3.9	3.9	89.67	0.3	60.0	60.0	52.4	7.59	7.900	
855.0	855.0	854.6	854.6	4.0	3.9	89.67	0.3	60.0	60.0	52.3	7.70	7.790	
900.0	900.0	899.6	899.6	4.0	4.0	89.67	0.3	60.0	60.0	52.2	7.79	7.701	
950.0	950.0	949.6	949.6	4.1	4.1	89.67	0.3	60.0	60.0	52.1	7.89	7.608	
1,000.0	1,000.0	999.6	999.6	4.1	4.1	89.67	0.3	60.0	60.0	52.0	7.98	7.516	
1,045.0	1,045.0	1,044.6	1,044.6	4.2	4.2	89.67	0.3	60.0	60.0	51.9	8.07	7.438	
1,100.0	1,100.0	1,099.6	1,099.6	4.2	4.2	89.67	0.3	60.0	60.0	51.8	8.17	7.344	
1,140.0	1,140.0	1,139.6	1,139.6	4.3	4.3	89.67	0.3	60.0	60.0	51.7	8.24	7.279	
1,200.0	1,200.0	1,199.6	1,199.6	4.4	4.4	89.67	0.3	60.0	60.0	51.6	8.35	7.183	
1,235.0	1,235.0	1,234.6	1,234.6	4.4	4.4	89.67	0.3	60.0	60.0	51.6	8.41	7.129	
1,300.0	1,300.0	1,299.6	1,299.6	4.5	4.5	89.67	0.3	60.0	60.0	51.5	8.53	7.032	
1,330.0	1,330.0	1,329.6	1,329.6	4.5	4.5	89.67	0.3	60.0	60.0	51.4	8.58	6.989	
1,400.0	1,400.0	1,399.6	1,399.6	4.6	4.6	89.67	0.3	60.0	60.0	51.3	8.71	6.890	
1,425.0	1,425.0	1,424.6	1,424.6	4.6	4.6	89.67	0.3	60.0	60.0	51.2	8.75	6.856	
1,500.0	1,500.0	1,499.6	1,499.6	4.7	4.7	89.67	0.3	60.0	60.0	51.1	8.88	6.757	CC
1,520.0	1,520.0	1,519.2	1,519.2	4.7	4.7	-41.95	0.3	60.1	60.0	51.1	8.94	6.709	ES
1,600.0	1,600.0	1,597.6	1,597.5	4.9	4.8	-42.86	0.2	61.6	60.4	51.2	9.21	6.560	
1,615.0	1,615.0	1,612.2	1,612.2	4.9	4.8	-43.16	0.2	62.2	60.5	51.2	9.28	6.525	
1,700.0	1,699.8	1,695.4	1,695.3	5.1	5.0	-45.60	-0.2	66.6	61.7	52.0	9.68	6.376	
1,710.0	1,709.8	1,705.2	1,705.0	5.1	5.0	-45.97	-0.2	67.3	61.9	52.2	9.71	6.373	
1,749.9	1,749.6	1,744.2	1,744.0	5.2	5.1	-47.57	-0.5	70.4	62.8	52.9	9.85	6.376	
1,800.0	1,799.5	1,793.2	1,792.7	5.2	5.2	-49.62	-0.8	74.9	64.5	54.5	10.02	6.440	
1,805.0	1,804.5	1,798.1	1,797.5	5.2	5.2	-49.81	-0.9	75.4	64.7	54.7	10.04	6.448	
1,900.0	1,899.1	1,890.7	1,889.5	5.4	5.5	-52.82	-1.8	86.5	70.6	60.2	10.46	6.755	
1,995.0	1,993.8	1,982.9	1,980.6	5.6	5.8	-54.67	-2.9	100.5	79.6	68.7	10.88	7.313	
2,000.0	1,998.7	1,987.8	1,985.4	5.6	5.8	-54.74	-2.9	101.3	80.1	69.2	10.91	7.348	
2,090.0	2,088.4	2,074.6	2,070.7	5.9	6.1	-55.52	-4.2	117.2	91.5	80.2	11.33	8.077	
2,100.0	2,098.4	2,084.2	2,080.1	5.9	6.2	-55.57	-4.3	119.2	92.9	81.5	11.37	8.169	
2,185.0	2,183.0	2,167.8	2,161.9	6.1	6.4	-55.79	-5.7	136.4	105.5	93.7	11.77	8.960	
2,200.0	2,198.0	2,182.6	2,176.4	6.1	6.4	-55.83	-6.0	139.5	107.7	95.9	11.84	9.094	
2,280.0	2,277.7	2,261.7	2,253.8	6.4	6.7	-55.98	-7.3	155.9	119.6	107.4	12.24	9.775	
2,300.0	2,297.6	2,281.5	2,273.1	6.4	6.7	-56.02	-7.6	160.0	122.6	110.2	12.34	9.937	
2,375.0	2,372.3	2,355.6	2,345.7	6.6	7.0	-56.13	-8.8	175.4	133.7	121.0	12.72	10.515	
2,400.0	2,397.2	2,380.4	2,369.9	6.7	7.1	-56.17	-9.2	180.5	137.4	124.6	12.85	10.699	
2,470.0	2,466.9	2,449.6	2,437.6	6.9	7.3	-56.26	-10.3	194.9	147.8	134.6	13.21	11.188	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	2,496.8	2,479.3	2,466.6	7.0	7.4	-56.29	-10.8	201.0	152.3	138.9	13.37	11.388	
2,565.0	2,561.6	2,543.5	2,529.5	7.2	7.6	-56.36	-11.9	214.3	162.0	148.2	13.73	11.800	
2,600.0	2,596.5	2,578.1	2,563.3	7.3	7.8	-56.39	-12.5	221.5	167.2	153.2	13.92	12.012	
2,660.0	2,656.2	2,637.5	2,621.4	7.5	8.0	-56.44	-13.4	233.8	176.1	161.8	14.25	12.357	
2,700.0	2,696.1	2,677.0	2,660.1	7.6	8.1	-56.47	-14.1	242.0	182.0	167.6	14.47	12.577	
2,755.0	2,750.9	2,731.4	2,713.3	7.8	8.3	-56.51	-15.0	253.3	190.2	175.4	14.78	12.865	
2,800.0	2,795.7	2,775.9	2,756.8	7.9	8.5	-56.54	-15.7	262.5	196.9	181.9	15.04	13.091	
2,837.2	2,832.8	2,812.7	2,792.8	8.0	8.6	-56.56	-16.3	270.1	202.4	187.2	15.23	13.294	
2,850.0	2,845.5	2,825.4	2,805.1	8.1	8.7	-56.59	-16.5	272.7	204.3	189.0	15.29	13.360	
2,900.0	2,895.3	2,874.8	2,853.5	8.2	8.9	-56.60	-17.3	283.0	211.9	196.4	15.56	13.617	
2,945.0	2,940.2	2,919.2	2,897.0	8.3	9.1	-56.54	-18.1	292.2	219.0	203.2	15.83	13.832	
3,000.0	2,995.1	2,973.5	2,950.0	8.5	9.3	-56.38	-19.0	303.4	227.9	211.7	16.17	14.095	
3,040.0	3,035.0	3,012.9	2,988.6	8.6	9.4	-56.20	-19.6	311.6	234.5	218.1	16.41	14.288	
3,100.0	3,095.0	3,072.0	3,046.4	8.8	9.7	-55.86	-20.6	323.8	244.8	228.0	16.79	14.578	
3,135.0	3,130.0	3,106.5	3,080.1	8.9	9.8	-55.63	-21.1	331.0	251.0	233.9	17.01	14.751	
3,200.0	3,194.9	3,170.3	3,142.6	9.1	10.1	-55.12	-22.2	344.2	262.7	245.3	17.43	15.072	
3,230.0	3,224.9	3,199.8	3,171.4	9.2	10.2	-54.87	-22.7	350.3	268.3	250.7	17.62	15.225	
3,300.0	3,294.9	3,268.4	3,238.5	9.4	10.5	-54.21	-23.8	364.5	281.7	263.6	18.08	15.584	
3,325.0	3,319.9	3,292.8	3,262.4	9.4	10.6	-53.96	-24.2	369.6	286.6	268.4	18.21	15.738	
3,337.1	3,332.0	3,304.7	3,274.0	9.4	10.6	77.74	-24.4	372.1	289.0	270.7	18.28	15.812	
3,400.0	3,394.9	3,366.2	3,334.2	9.4	10.9	78.45	-25.4	384.8	301.6	283.0	18.61	16.207	
3,420.0	3,414.9	3,385.8	3,353.3	9.4	11.0	78.67	-25.7	388.9	305.6	286.9	18.72	16.323	
3,500.0	3,494.9	3,464.0	3,429.8	9.5	11.3	79.48	-27.0	405.1	321.6	302.5	19.17	16.777	
3,515.0	3,509.9	3,478.7	3,444.2	9.5	11.4	79.62	-27.3	408.1	324.7	305.4	19.26	16.860	
3,600.0	3,594.9	3,561.8	3,525.5	9.6	11.7	80.38	-28.6	425.4	341.8	322.1	19.73	17.321	
3,610.0	3,604.9	3,571.6	3,535.1	9.6	11.8	80.47	-28.8	427.4	343.8	324.0	19.79	17.375	
3,700.0	3,694.9	3,659.7	3,621.2	9.6	12.1	81.18	-30.2	445.6	362.0	341.7	20.29	17.842	
3,705.0	3,699.9	3,664.5	3,626.0	9.6	12.2	81.22	-30.3	446.7	363.0	342.7	20.32	17.867	
3,800.0	3,794.9	3,757.5	3,716.9	9.7	12.6	81.90	-31.8	465.9	382.3	361.4	20.85	18.339	
3,895.0	3,889.9	3,850.4	3,807.8	9.8	13.0	82.52	-33.4	485.2	401.6	380.2	21.37	18.792	
3,900.0	3,894.9	3,855.3	3,812.6	9.8	13.0	82.55	-33.4	486.2	402.6	381.2	21.40	18.815	
3,990.0	3,984.9	3,943.3	3,898.7	9.8	13.4	83.08	-34.9	504.4	421.0	399.1	21.90	19.225	
4,000.0	3,994.9	3,953.1	3,908.2	9.8	13.4	83.13	-35.1	506.5	423.0	401.0	21.95	19.269	
4,085.0	4,079.9	4,036.2	3,989.6	9.9	13.8	83.59	-36.4	523.7	440.3	417.9	22.42	19.640	
4,100.0	4,094.9	4,050.9	4,003.9	9.9	13.8	83.66	-36.7	526.7	443.4	420.9	22.50	19.704	
4,180.0	4,174.9	4,129.2	4,080.5	10.0	14.2	84.05	-37.9	542.9	459.8	436.8	22.95	20.038	
4,200.0	4,194.9	4,148.7	4,099.6	10.0	14.3	84.15	-38.3	547.0	463.9	440.8	23.06	20.120	
4,275.0	4,269.9	4,222.1	4,171.3	10.0	14.6	84.48	-39.5	562.2	479.2	455.8	23.47	20.420	
4,300.0	4,294.9	4,246.5	4,195.3	10.1	14.7	84.59	-39.9	567.3	484.3	460.7	23.61	20.518	
4,370.0	4,364.9	4,315.0	4,262.2	10.1	15.0	84.88	-41.0	581.5	498.7	474.7	23.99	20.786	
4,400.0	4,394.9	4,344.4	4,290.9	10.1	15.2	85.00	-41.5	587.5	504.8	480.7	24.16	20.899	
4,465.0	4,459.9	4,407.9	4,353.1	10.2	15.4	85.25	-42.5	600.7	518.2	493.7	24.51	21.138	
4,500.0	4,494.9	4,442.2	4,386.6	10.2	15.6	85.37	-43.1	607.8	525.4	500.7	24.71	21.264	
4,560.0	4,554.9	4,500.9	4,444.0	10.2	15.9	85.59	-44.1	620.0	537.7	512.7	25.04	21.476	
4,600.0	4,594.9	4,540.0	4,482.3	10.3	16.0	85.72	-44.7	628.1	545.9	520.7	25.26	21.615	
4,655.0	4,649.9	4,593.8	4,534.9	10.3	16.3	85.90	-45.6	639.2	557.2	531.7	25.56	21.801	
4,700.0	4,694.9	4,637.8	4,578.0	10.3	16.5	86.04	-46.3	648.4	566.5	540.7	25.81	21.951	
4,750.0	4,744.9	4,686.7	4,625.8	10.4	16.7	86.20	-47.1	658.5	576.8	550.7	26.08	22.114	
4,800.0	4,794.9	4,735.6	4,673.7	10.4	16.9	86.34	-47.9	668.6	587.1	560.7	26.36	22.274	
4,845.0	4,839.9	4,779.6	4,716.7	10.4	17.1	86.47	-48.6	677.8	596.3	569.7	26.60	22.415	
4,900.0	4,894.9	4,833.4	4,769.3	10.5	17.4	86.62	-49.5	688.9	607.7	580.7	26.91	22.584	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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	4,934.9	4,872.6	4,807.6	10.5	17.5	86.73	-50.2	697.0	615.9	588.8	27.13	22.704	
5,000.0	4,994.9	4,931.3	4,865.0	10.6	17.8	86.88	-51.1	709.2	628.3	600.8	27.46	22.882	
5,035.0	5,029.9	4,965.5	4,898.5	10.6	18.0	86.97	-51.7	716.3	635.5	607.8	27.65	22.983	
5,100.0	5,094.9	5,029.1	4,960.7	10.6	18.3	87.13	-52.7	729.5	648.9	620.9	28.01	23.169	
5,130.0	5,124.9	5,058.4	4,989.4	10.6	18.4	87.20	-53.2	735.5	655.1	626.9	28.17	23.252	
5,200.0	5,194.9	5,126.9	5,056.4	10.7	18.7	87.36	-54.3	749.7	669.5	641.0	28.56	23.444	
5,225.0	5,219.9	5,151.3	5,080.3	10.7	18.8	87.41	-54.7	754.8	674.7	646.0	28.69	23.512	
5,300.0	5,294.9	5,224.7	5,152.0	10.8	19.1	87.57	-56.0	770.0	690.1	661.0	29.11	23.710	
5,320.0	5,314.9	5,244.3	5,171.2	10.8	19.2	87.61	-56.3	774.1	694.3	665.1	29.22	23.762	
5,400.0	5,394.9	5,322.5	5,247.7	10.8	19.6	87.77	-57.6	790.3	710.8	681.1	29.66	23.966	
5,415.0	5,409.9	5,337.2	5,262.1	10.9	19.7	87.80	-57.8	793.3	713.9	684.2	29.74	24.004	
5,500.0	5,494.9	5,420.3	5,343.4	10.9	20.0	87.97	-59.2	810.5	731.5	701.2	30.21	24.213	
5,510.0	5,504.9	5,430.1	5,353.0	10.9	20.1	87.99	-59.3	812.6	733.5	703.3	30.26	24.237	
5,600.0	5,594.9	5,518.1	5,439.1	11.0	20.5	88.15	-60.8	830.8	752.1	721.4	30.76	24.451	
5,605.0	5,599.9	5,523.0	5,443.9	11.0	20.5	88.16	-60.9	831.8	753.1	722.4	30.79	24.462	
5,700.0	5,694.9	5,616.0	5,534.8	11.1	21.0	88.32	-62.4	851.1	772.8	741.5	31.31	24.680	
5,795.0	5,789.9	5,708.9	5,625.6	11.1	21.4	88.47	-63.9	870.3	792.4	760.6	31.84	24.891	
5,800.0	5,794.9	5,713.8	5,630.4	11.1	21.4	88.48	-64.0	871.4	793.5	761.6	31.86	24.902	
5,890.0	5,884.9	5,801.8	5,716.5	11.2	21.8	88.62	-65.4	889.6	812.1	779.7	32.36	25.095	
5,900.0	5,894.9	5,811.6	5,726.1	11.2	21.9	88.64	-65.6	891.6	814.1	781.7	32.42	25.116	
5,985.0	5,979.9	5,894.7	5,807.4	11.3	22.2	88.76	-67.0	908.9	831.7	798.8	32.88	25.292	
6,000.0	5,994.9	5,909.4	5,821.8	11.3	22.3	88.78	-67.2	911.9	834.8	801.9	32.97	25.323	
6,080.0	6,074.9	5,987.7	5,898.3	11.3	22.7	88.89	-68.5	928.1	851.4	818.0	33.41	25.483	
6,100.0	6,094.9	6,007.2	5,917.5	11.4	22.8	88.92	-68.8	932.2	855.5	822.0	33.52	25.523	
6,175.0	6,169.9	6,080.6	5,989.2	11.4	23.1	89.02	-70.0	947.4	871.0	837.1	33.93	25.668	
6,200.0	6,194.9	6,105.0	6,013.1	11.4	23.2	89.05	-70.4	952.4	876.2	842.1	34.07	25.716	
6,270.0	6,264.9	6,173.5	6,080.1	11.5	23.5	89.14	-71.5	966.6	890.7	856.3	34.46	25.848	
6,300.0	6,294.9	6,202.8	6,108.8	11.5	23.7	89.18	-72.0	972.7	896.9	862.3	34.63	25.903	
6,365.0	6,359.9	6,266.4	6,171.0	11.6	24.0	89.26	-73.1	985.9	910.4	875.4	34.99	26.022	
6,400.0	6,394.9	6,300.7	6,204.5	11.6	24.1	89.30	-73.6	993.0	917.6	882.4	35.18	26.084	
6,460.0	6,454.9	6,359.3	6,261.9	11.6	24.4	89.37	-74.6	1,005.2	930.1	894.5	35.51	26.191	
6,500.0	6,494.9	6,399.4	6,301.0	11.7	24.6	89.42	-75.3	1,013.4	938.3	902.6	35.74	26.258	
6,555.0	6,549.9	6,479.7	6,379.8	11.7	25.0	89.50	-76.5	1,028.9	948.9	912.8	36.17	26.233	
6,600.0	6,594.9	6,546.0	6,445.2	11.7	25.3	89.56	-77.4	1,040.0	956.5	920.0	36.51	26.198	
6,650.0	6,644.9	6,620.3	6,518.7	11.8	25.6	89.62	-78.2	1,050.7	963.6	926.8	36.86	26.140	
6,700.0	6,694.9	6,695.1	6,593.0	11.8	25.9	89.66	-78.9	1,059.5	969.5	932.3	37.18	26.077	
6,745.0	6,739.9	6,762.8	6,660.4	11.8	26.2	89.70	-79.4	1,065.8	973.7	936.3	37.43	26.012	
6,800.0	6,794.9	6,845.8	6,743.3	11.9	26.5	89.72	-79.8	1,071.3	977.4	939.7	37.70	25.923	
6,840.0	6,834.9	6,906.4	6,803.8	11.9	26.7	89.74	-80.0	1,073.9	979.0	941.2	37.86	25.858	
6,900.0	6,894.9	6,997.4	6,894.8	12.0	26.9	89.74	-80.2	1,075.3	980.0	942.1	37.93	25.837	
6,901.1	6,896.1	6,999.1	6,896.5	12.0	26.9	89.74	-80.2	1,075.3	980.0	942.0	37.93	25.837	
6,935.0	6,929.9	7,032.2	6,929.5	12.0	26.9	89.74	-80.2	1,075.3	980.0	942.0	37.97	25.813	
7,000.0	6,994.9	7,097.2	6,994.5	12.0	26.9	89.74	-80.2	1,075.3	980.0	941.9	38.03	25.766	
7,030.0	7,024.9	7,127.2	7,024.5	12.0	26.9	89.74	-80.2	1,075.3	980.0	941.9	38.07	25.744	
7,100.0	7,094.9	7,197.2	7,094.5	12.1	26.9	89.74	-80.2	1,075.3	980.0	941.8	38.14	25.694	
7,125.0	7,119.9	7,222.2	7,119.5	12.1	26.9	89.74	-80.2	1,075.3	980.0	941.8	38.17	25.676	
7,200.0	7,194.9	7,297.2	7,194.5	12.2	26.9	89.74	-80.2	1,075.3	980.0	941.7	38.25	25.623	
7,220.0	7,214.9	7,317.2	7,214.5	12.2	27.0	89.74	-80.2	1,075.3	980.0	941.7	38.27	25.608	
7,300.0	7,294.9	7,397.2	7,294.5	12.2	27.0	89.74	-80.2	1,075.3	980.0	941.6	38.35	25.551	
7,315.0	7,309.9	7,412.2	7,309.5	12.3	27.0	89.74	-80.2	1,075.3	980.0	941.6	38.37	25.541	
7,400.0	7,394.9	7,497.2	7,394.5	12.3	27.0	89.74	-80.2	1,075.3	980.0	941.5	38.46	25.480	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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	7,404.9	7,507.2	7,404.5	12.3	27.0	89.74	-80.2	1,075.3	980.0	941.5	38.47	25.473	
7,500.0	7,494.9	7,597.2	7,494.5	12.4	27.0	89.74	-80.2	1,075.3	980.0	941.4	38.57	25.409	
7,505.0	7,499.9	7,602.2	7,499.5	12.4	27.0	89.74	-80.2	1,075.3	980.0	941.4	38.57	25.406	
7,600.0	7,594.9	7,697.2	7,594.5	12.5	27.1	89.74	-80.2	1,075.3	980.0	941.3	38.68	25.339	
7,695.0	7,689.9	7,792.2	7,689.5	12.5	27.1	89.74	-80.2	1,075.3	980.0	941.2	38.78	25.272	
7,700.0	7,694.9	7,797.2	7,694.5	12.5	27.1	89.74	-80.2	1,075.3	980.0	941.2	38.78	25.268	
7,790.0	7,784.9	7,887.2	7,784.5	12.6	27.1	89.74	-80.2	1,075.3	980.0	941.1	38.88	25.205	
7,800.0	7,794.9	7,897.2	7,794.5	12.6	27.1	89.74	-80.2	1,075.3	980.0	941.1	38.89	25.198	
7,885.0	7,879.9	7,982.2	7,879.5	12.7	27.1	89.74	-80.2	1,075.3	980.0	941.0	38.98	25.139	
7,900.0	7,894.9	7,997.2	7,894.5	12.7	27.1	89.74	-80.2	1,075.3	980.0	941.0	39.00	25.128	
7,980.0	7,974.9	8,077.2	7,974.5	12.8	27.2	89.74	-80.2	1,075.3	980.0	940.9	39.09	25.073	
8,000.0	7,994.9	8,097.2	7,994.5	12.8	27.2	89.74	-80.2	1,075.3	980.0	940.9	39.11	25.059	
8,075.0	8,069.9	8,172.2	8,069.5	12.8	27.2	89.74	-80.2	1,075.3	980.0	940.8	39.19	25.007	
8,100.0	8,094.9	8,197.2	8,094.5	12.9	27.2	89.74	-80.2	1,075.3	980.0	940.8	39.22	24.989	
8,170.0	8,164.9	8,267.2	8,164.5	12.9	27.2	89.74	-80.2	1,075.3	980.0	940.7	39.29	24.941	
8,200.0	8,194.9	8,297.2	8,194.5	12.9	27.2	89.74	-80.2	1,075.3	980.0	940.7	39.32	24.920	
8,265.0	8,259.9	8,362.2	8,259.5	13.0	27.2	89.74	-80.2	1,075.3	980.0	940.6	39.40	24.875	
8,300.0	8,294.9	8,397.2	8,294.5	13.0	27.3	89.74	-80.2	1,075.3	980.0	940.5	39.43	24.851	
8,360.0	8,354.9	8,457.2	8,354.5	13.0	27.3	89.74	-80.2	1,075.3	980.0	940.5	39.50	24.810	
8,400.0	8,394.9	8,497.2	8,394.5	13.1	27.3	89.74	-80.2	1,075.3	980.0	940.4	39.54	24.782	
8,455.0	8,449.9	8,552.2	8,449.5	13.1	27.3	89.74	-80.2	1,075.3	980.0	940.4	39.60	24.745	
8,500.0	8,494.9	8,597.2	8,494.5	13.2	27.3	89.74	-80.2	1,075.3	980.0	940.3	39.65	24.714	
8,550.0	8,544.9	8,647.2	8,544.5	13.2	27.3	89.74	-80.2	1,075.3	980.0	940.3	39.71	24.680	
8,600.0	8,594.9	8,697.2	8,594.5	13.2	27.3	89.74	-80.2	1,075.3	980.0	940.2	39.76	24.646	
8,645.0	8,639.9	8,742.2	8,639.5	13.3	27.4	89.74	-80.2	1,075.3	980.0	940.2	39.81	24.615	
8,700.0	8,694.9	8,797.2	8,694.5	13.3	27.4	89.74	-80.2	1,075.3	980.0	940.1	39.87	24.578	
8,740.0	8,734.9	8,837.2	8,734.5	13.3	27.4	89.74	-80.2	1,075.3	980.0	940.1	39.92	24.551	
8,800.0	8,794.9	8,897.2	8,794.5	13.4	27.4	89.74	-80.2	1,075.3	980.0	940.0	39.98	24.510	
8,835.0	8,829.9	8,932.2	8,829.5	13.4	27.4	89.74	-80.2	1,075.3	980.0	940.0	40.02	24.486	
8,900.0	8,894.9	8,997.2	8,894.5	13.5	27.4	89.74	-80.2	1,075.3	980.0	939.9	40.09	24.442	
8,930.0	8,924.9	9,027.2	8,924.5	13.5	27.4	89.74	-80.2	1,075.3	980.0	939.9	40.13	24.422	
9,000.0	8,994.9	9,097.2	8,994.5	13.5	27.5	89.74	-80.2	1,075.3	980.0	939.8	40.20	24.375	
9,025.0	9,019.9	9,122.2	9,019.5	13.6	27.5	89.74	-80.2	1,075.3	980.0	939.7	40.23	24.358	
9,100.0	9,094.9	9,197.2	9,094.5	13.6	27.5	89.74	-80.2	1,075.3	980.0	939.7	40.32	24.308	
9,120.0	9,114.9	9,217.2	9,114.5	13.6	27.5	89.74	-80.2	1,075.3	980.0	939.6	40.34	24.295	
9,200.0	9,194.9	9,297.2	9,194.5	13.7	27.5	89.74	-80.2	1,075.3	980.0	939.6	40.43	24.241	
9,215.0	9,209.9	9,312.2	9,209.5	13.7	27.5	89.74	-80.2	1,075.3	980.0	939.5	40.44	24.231	
9,300.0	9,294.9	9,397.2	9,294.5	13.8	27.6	89.74	-80.2	1,075.3	980.0	939.4	40.54	24.174	
9,310.0	9,304.9	9,407.2	9,304.5	13.8	27.6	89.74	-80.2	1,075.3	980.0	939.4	40.55	24.168	
9,400.0	9,394.9	9,497.2	9,394.5	13.8	27.6	89.74	-80.2	1,075.3	980.0	939.3	40.65	24.108	
9,405.0	9,399.9	9,502.2	9,399.5	13.8	27.6	89.74	-80.2	1,075.3	980.0	939.3	40.66	24.105	
9,500.0	9,494.9	9,597.2	9,494.5	13.9	27.6	89.74	-80.2	1,075.3	980.0	939.2	40.76	24.042	
9,595.0	9,589.9	9,692.2	9,589.5	14.0	27.7	89.74	-80.2	1,075.3	980.0	939.1	40.87	23.979	
9,600.0	9,594.9	9,697.2	9,594.5	14.0	27.7	89.74	-80.2	1,075.3	980.0	939.1	40.87	23.976	
9,690.0	9,684.9	9,787.2	9,684.5	14.1	27.7	89.74	-80.2	1,075.3	980.0	939.0	40.97	23.917	
9,700.0	9,694.9	9,797.2	9,694.5	14.1	27.7	89.74	-80.2	1,075.3	980.0	939.0	40.99	23.910	
9,736.1	9,731.0	9,833.3	9,730.6	14.1	27.7	89.74	-80.2	1,075.3	980.0	939.0	41.00	23.900	
9,750.0	9,744.9	9,847.1	9,744.5	14.1	27.7	89.88	-80.2	1,075.3	980.0	939.0	41.01	23.898	
9,785.0	9,779.9	9,882.1	9,779.4	14.1	27.7	89.96	-79.5	1,075.3	980.0	939.0	41.02	23.889	
9,800.0	9,794.8	9,897.0	9,794.4	14.1	27.7	89.99	-78.6	1,075.3	980.0	938.9	41.03	23.885	
9,805.0	9,799.7	9,902.0	9,799.3	14.1	27.7	90.00	-78.2	1,075.3	980.0	938.9	41.03	23.884	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
9,850.0	9,844.2	9,947.1	9,844.0	14.2	27.7	90.10	-72.7	1,075.3	980.0	938.9	41.05	23.874	
9,880.0	9,873.4	9,977.2	9,873.6	14.2	27.7	90.16	-67.1	1,075.3	980.0	938.9	41.06	23.868	
9,900.0	9,892.7	9,997.3	9,893.2	14.2	27.7	90.21	-62.5	1,075.2	980.0	938.9	41.06	23.865	
9,950.0	9,940.0	10,047.6	9,941.4	14.3	27.7	90.32	-48.0	1,075.2	980.0	938.9	41.08	23.857	
9,975.0	9,963.1	10,072.9	9,965.0	14.3	27.7	90.37	-39.1	1,075.2	980.0	938.9	41.09	23.853	
10,000.0	9,985.7	10,098.2	9,988.3	14.4	27.7	90.42	-29.2	1,075.2	980.0	938.9	41.09	23.849	
10,050.0	10,029.4	10,148.8	10,033.4	14.4	27.7	90.52	-6.3	1,075.1	980.0	938.9	41.11	23.841	
10,070.0	10,046.3	10,169.2	10,051.0	14.5	27.7	90.56	4.0	1,075.1	980.0	938.9	41.11	23.838	
10,100.0	10,070.9	10,199.7	10,076.6	14.5	27.7	90.62	20.6	1,075.1	980.0	938.9	41.12	23.833	
10,150.0	10,109.9	10,250.7	10,117.3	14.6	27.8	90.72	51.3	1,075.0	980.1	938.9	41.14	23.821	
10,165.0	10,121.0	10,266.0	10,128.9	14.6	27.8	90.74	61.2	1,075.0	980.1	938.9	41.15	23.817	
10,200.0	10,145.9	10,301.8	10,155.2	14.7	27.8	90.80	85.6	1,074.9	980.1	938.9	41.17	23.807	
10,250.0	10,178.7	10,353.1	10,189.9	14.7	27.8	90.89	123.3	1,074.8	980.1	938.9	41.20	23.788	
10,260.0	10,184.9	10,363.4	10,196.5	14.7	27.8	90.90	131.2	1,074.8	980.1	938.9	41.21	23.783	
10,300.0	10,208.2	10,404.5	10,221.3	14.8	27.8	90.96	164.0	1,074.7	980.1	938.9	41.24	23.763	
10,350.0	10,234.0	10,456.0	10,248.9	14.9	27.8	91.03	207.5	1,074.6	980.1	938.8	41.30	23.732	
10,355.0	10,236.4	10,461.2	10,251.5	14.9	27.8	91.04	211.9	1,074.6	980.1	938.8	41.31	23.728	
10,400.0	10,256.0	10,507.6	10,272.6	14.9	27.9	91.09	253.3	1,074.5	980.2	938.8	41.37	23.693	
10,450.0	10,274.0	10,559.3	10,292.0	15.0	27.9	91.14	301.2	1,074.4	980.2	938.7	41.45	23.645	
10,500.0	10,287.9	10,611.1	10,307.1	15.0	27.9	91.18	350.7	1,074.3	980.2	938.6	41.55	23.588	
10,545.0	10,296.8	10,657.8	10,316.8	15.1	28.0	91.21	396.4	1,074.2	980.2	938.5	41.66	23.528	
10,550.0	10,297.5	10,663.0	10,317.7	15.1	28.0	91.22	401.5	1,074.2	980.2	938.5	41.67	23.521	
10,600.0	10,302.9	10,714.9	10,323.6	15.1	28.0	91.24	453.0	1,074.1	980.2	938.4	41.81	23.446	
10,634.6	10,304.0	10,750.8	10,325.0	15.2	28.1	91.25	489.0	1,074.0	980.2	938.3	41.91	23.389	
10,640.0	10,304.0	10,756.3	10,325.0	15.2	28.1	91.25	494.4	1,074.0	980.2	938.3	41.93	23.379	
10,700.0	10,304.2	10,816.3	10,325.2	15.2	28.2	91.25	554.4	1,073.9	980.2	938.1	42.14	23.262	
10,735.0	10,304.3	10,851.3	10,325.3	15.3	28.2	91.26	589.4	1,073.8	980.2	937.9	42.28	23.184	
10,800.0	10,304.4	10,916.3	10,325.6	15.3	28.3	91.26	654.4	1,073.6	980.2	937.7	42.55	23.037	
10,830.0	10,304.5	10,946.3	10,325.7	15.4	28.4	91.26	684.4	1,073.6	980.2	937.5	42.69	22.962	
10,900.0	10,304.7	11,016.3	10,325.9	15.5	28.5	91.26	754.4	1,073.4	980.2	937.2	43.02	22.787	
10,925.0	10,304.8	11,041.3	10,326.0	15.5	28.5	91.26	779.4	1,073.3	980.2	937.1	43.15	22.719	
11,000.0	10,305.0	11,116.3	10,326.2	15.7	28.7	91.27	854.4	1,073.2	980.2	936.7	43.54	22.515	
11,020.0	10,305.0	11,136.3	10,326.3	15.7	28.7	91.27	874.4	1,073.1	980.2	936.6	43.65	22.457	
11,100.0	10,305.2	11,216.3	10,326.6	15.9	28.9	91.27	954.4	1,072.9	980.2	936.1	44.10	22.225	
11,115.0	10,305.3	11,231.3	10,326.6	16.0	28.9	91.27	969.4	1,072.9	980.2	936.0	44.20	22.179	
11,200.0	10,305.5	11,316.3	10,326.9	16.2	29.1	91.28	1,054.4	1,072.7	980.2	935.5	44.72	21.919	
11,210.0	10,305.5	11,326.3	10,327.0	16.3	29.1	91.28	1,064.4	1,072.7	980.2	935.4	44.79	21.887	
11,300.0	10,305.8	11,416.3	10,327.3	16.6	29.3	91.28	1,154.4	1,072.5	980.2	934.8	45.38	21.600	
11,305.0	10,305.8	11,421.3	10,327.3	16.6	29.4	91.28	1,159.4	1,072.5	980.2	934.8	45.41	21.584	
11,400.0	10,306.0	11,516.3	10,327.6	17.0	29.6	91.29	1,254.4	1,072.3	980.2	934.1	46.08	21.271	
11,495.0	10,306.3	11,611.3	10,327.9	17.4	29.9	91.29	1,349.4	1,072.0	980.2	933.4	46.79	20.951	
11,500.0	10,306.3	11,616.3	10,328.0	17.4	29.9	91.29	1,354.4	1,072.0	980.2	933.4	46.82	20.935	
11,590.0	10,306.5	11,706.3	10,328.3	17.8	30.1	91.29	1,444.4	1,071.8	980.2	932.7	47.52	20.626	
11,600.0	10,306.6	11,716.3	10,328.3	17.9	30.2	91.29	1,454.4	1,071.8	980.2	932.6	47.60	20.592	
11,685.0	10,306.8	11,801.3	10,328.6	18.3	30.4	91.30	1,539.4	1,071.6	980.2	931.9	48.29	20.298	
11,700.0	10,306.8	11,816.3	10,328.6	18.4	30.5	91.30	1,554.4	1,071.6	980.2	931.8	48.42	20.246	
11,780.0	10,307.0	11,896.3	10,328.9	18.8	30.7	91.30	1,634.4	1,071.4	980.2	931.1	49.09	19.967	
11,800.0	10,307.1	11,916.3	10,329.0	18.9	30.8	91.30	1,654.4	1,071.4	980.2	931.0	49.26	19.897	
11,875.0	10,307.3	11,991.3	10,329.2	19.3	31.1	91.31	1,729.4	1,071.2	980.2	930.3	49.92	19.635	
11,900.0	10,307.4	12,016.3	10,329.3	19.4	31.2	91.31	1,754.4	1,071.1	980.2	930.1	50.14	19.548	
11,970.0	10,307.5	12,086.3	10,329.6	19.8	31.4	91.31	1,824.4	1,071.0	980.2	929.5	50.78	19.304	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
12,000.0	10,307.6	12,116.3	10,329.7	19.9	31.5	91.31	1,854.4	1,070.9	980.2	929.2	51.05	19.201	
12,065.0	10,307.8	12,181.3	10,329.9	20.3	31.7	91.32	1,919.4	1,070.8	980.2	928.6	51.66	18.975	
12,100.0	10,307.9	12,216.3	10,330.0	20.5	31.9	91.32	1,954.4	1,070.7	980.2	928.2	51.99	18.855	
12,160.0	10,308.0	12,276.3	10,330.2	20.8	32.1	91.32	2,014.4	1,070.5	980.2	927.7	52.57	18.648	
12,200.0	10,308.1	12,316.3	10,330.3	21.1	32.3	91.32	2,054.4	1,070.5	980.2	927.3	52.95	18.512	
12,255.0	10,308.3	12,371.3	10,330.5	21.4	32.5	91.32	2,109.4	1,070.3	980.2	926.7	53.49	18.324	
12,300.0	10,308.4	12,416.3	10,330.7	21.7	32.7	91.33	2,154.4	1,070.2	980.2	926.3	53.94	18.173	
12,350.0	10,308.5	12,466.3	10,330.9	22.0	32.9	91.33	2,204.4	1,070.1	980.2	925.8	54.44	18.005	
12,400.0	10,308.7	12,516.3	10,331.0	22.3	33.1	91.33	2,254.4	1,070.0	980.2	925.3	54.95	17.839	
12,445.0	10,308.8	12,561.3	10,331.2	22.5	33.3	91.33	2,299.4	1,069.9	980.2	924.8	55.41	17.689	
12,500.0	10,308.9	12,616.3	10,331.4	22.9	33.5	91.33	2,354.4	1,069.8	980.2	924.3	55.98	17.509	
12,540.0	10,309.1	12,656.3	10,331.5	23.1	33.7	91.34	2,394.4	1,069.7	980.2	923.8	56.40	17.379	
12,600.0	10,309.2	12,716.3	10,331.7	23.5	33.9	91.34	2,454.4	1,069.5	980.2	923.2	57.04	17.186	
12,635.0	10,309.3	12,751.3	10,331.8	23.7	34.1	91.34	2,489.4	1,069.5	980.2	922.8	57.41	17.073	
12,700.0	10,309.5	12,816.3	10,332.1	24.1	34.4	91.34	2,554.4	1,069.3	980.2	922.1	58.11	16.868	
12,730.0	10,309.6	12,846.3	10,332.2	24.3	34.5	91.35	2,584.4	1,069.2	980.2	921.8	58.44	16.774	
12,800.0	10,309.7	12,916.3	10,332.4	24.7	34.8	91.35	2,654.4	1,069.1	980.2	921.0	59.20	16.557	
12,825.0	10,309.8	12,941.3	10,332.5	24.9	34.9	91.35	2,679.4	1,069.0	980.2	920.8	59.48	16.480	
12,900.0	10,310.0	13,016.3	10,332.7	25.4	35.3	91.35	2,754.4	1,068.9	980.3	919.9	60.31	16.252	
12,920.0	10,310.1	13,036.3	10,332.8	25.5	35.4	91.35	2,774.4	1,068.8	980.3	919.7	60.54	16.192	
13,000.0	10,310.3	13,116.3	10,333.1	26.0	35.8	91.36	2,854.4	1,068.6	980.3	918.8	61.44	15.954	
13,015.0	10,310.3	13,131.3	10,333.1	26.1	35.8	91.36	2,869.4	1,068.6	980.3	918.6	61.61	15.910	
13,100.0	10,310.5	13,216.3	10,333.4	26.7	36.2	91.36	2,954.4	1,068.4	980.3	917.7	62.58	15.663	
13,110.0	10,310.6	13,226.3	10,333.5	26.8	36.3	91.36	2,964.4	1,068.4	980.3	917.6	62.70	15.634	
13,200.0	10,310.8	13,316.3	10,333.8	27.3	36.7	91.37	3,054.4	1,068.2	980.3	916.5	63.74	15.378	
13,205.0	10,310.8	13,321.3	10,333.8	27.4	36.8	91.37	3,059.4	1,068.2	980.3	916.5	63.80	15.364	
13,300.0	10,311.1	13,416.3	10,334.1	28.0	37.2	91.37	3,154.4	1,068.0	980.3	915.3	64.91	15.101	
13,395.0	10,311.3	13,511.3	10,334.4	28.7	37.7	91.37	3,249.4	1,067.7	980.3	914.2	66.04	14.843	
13,400.0	10,311.3	13,516.3	10,334.5	28.7	37.8	91.38	3,254.4	1,067.7	980.3	914.2	66.10	14.830	
13,490.0	10,311.6	13,606.3	10,334.8	29.3	38.2	91.38	3,344.4	1,067.5	980.3	913.1	67.18	14.592	
13,500.0	10,311.6	13,616.3	10,334.8	29.4	38.3	91.38	3,354.4	1,067.5	980.3	913.0	67.30	14.566	
13,585.0	10,311.8	13,701.3	10,335.1	29.9	38.7	91.38	3,439.4	1,067.3	980.3	911.9	68.33	14.347	
13,600.0	10,311.9	13,716.3	10,335.1	30.0	38.8	91.38	3,454.4	1,067.3	980.3	911.8	68.51	14.308	
13,680.0	10,312.1	13,796.3	10,335.4	30.6	39.2	91.39	3,534.4	1,067.1	980.3	910.8	69.49	14.107	
13,700.0	10,312.1	13,816.3	10,335.5	30.7	39.3	91.39	3,554.4	1,067.0	980.3	910.5	69.73	14.058	
13,775.0	10,312.3	13,891.3	10,335.7	31.2	39.7	91.39	3,629.4	1,066.9	980.3	909.6	70.66	13.874	
13,800.0	10,312.4	13,916.3	10,335.8	31.4	39.9	91.39	3,654.4	1,066.8	980.3	909.3	70.97	13.813	
13,870.0	10,312.6	13,986.3	10,336.1	31.9	40.3	91.40	3,724.4	1,066.7	980.3	908.4	71.84	13.646	
13,900.0	10,312.7	14,016.3	10,336.2	32.1	40.4	91.40	3,754.4	1,066.6	980.3	908.1	72.21	13.575	
13,965.0	10,312.8	14,081.3	10,336.4	32.6	40.8	91.40	3,819.4	1,066.4	980.3	907.2	73.02	13.424	
14,000.0	10,312.9	14,116.3	10,336.5	32.8	41.0	91.40	3,854.4	1,066.4	980.3	906.8	73.46	13.344	
14,060.0	10,313.1	14,176.3	10,336.7	33.2	41.3	91.40	3,914.4	1,066.2	980.3	906.1	74.22	13.207	
14,100.0	10,313.2	14,216.3	10,336.8	33.5	41.5	91.41	3,954.4	1,066.1	980.3	905.5	74.73	13.118	
14,155.0	10,313.3	14,271.3	10,337.0	33.9	41.9	91.41	4,009.4	1,066.0	980.3	904.8	75.43	12.996	
14,200.0	10,313.5	14,316.3	10,337.2	34.2	42.1	91.41	4,054.4	1,065.9	980.3	904.3	76.00	12.898	
14,250.0	10,313.6	14,366.3	10,337.4	34.6	42.4	91.41	4,104.4	1,065.8	980.3	903.6	76.64	12.791	
14,300.0	10,313.7	14,416.3	10,337.5	34.9	42.7	91.42	4,154.4	1,065.7	980.3	903.0	77.28	12.685	
14,345.0	10,313.8	14,461.3	10,337.7	35.2	42.9	91.42	4,199.4	1,065.6	980.3	902.4	77.86	12.590	
14,400.0	10,314.0	14,516.3	10,337.9	35.6	43.3	91.42	4,254.4	1,065.5	980.3	901.7	78.57	12.476	
14,440.0	10,314.1	14,556.3	10,338.0	35.9	43.5	91.42	4,294.4	1,065.4	980.3	901.2	79.09	12.395	
14,500.0	10,314.2	14,616.3	10,338.2	36.3	43.9	91.42	4,354.4	1,065.2	980.3	900.4	79.87	12.274	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
14,535.0	10,314.3	14,651.3	10,338.3	36.6	44.1	91.43	4,389.4	1,065.2	980.3	900.0	80.32	12.204	
14,600.0	10,314.5	14,716.3	10,338.6	37.0	44.4	91.43	4,454.4	1,065.0	980.3	899.1	81.17	12.076	
14,630.0	10,314.6	14,746.3	10,338.7	37.2	44.6	91.43	4,484.4	1,064.9	980.3	898.7	81.57	12.018	
14,700.0	10,314.8	14,816.3	10,338.9	37.7	45.0	91.43	4,554.4	1,064.8	980.3	897.8	82.48	11.884	
14,725.0	10,314.8	14,841.3	10,339.0	37.9	45.2	91.43	4,579.4	1,064.7	980.3	897.5	82.81	11.837	
14,800.0	10,315.0	14,916.3	10,339.2	38.5	45.6	91.44	4,654.4	1,064.6	980.3	896.5	83.80	11.697	
14,820.0	10,315.1	14,936.3	10,339.3	38.6	45.8	91.44	4,674.4	1,064.5	980.3	896.2	84.07	11.661	
14,900.0	10,315.3	15,016.3	10,339.6	39.2	46.2	91.44	4,754.4	1,064.3	980.3	895.2	85.13	11.515	
14,915.0	10,315.3	15,031.3	10,339.6	39.3	46.3	91.44	4,769.4	1,064.3	980.3	895.0	85.33	11.488	
15,000.0	10,315.6	15,116.3	10,339.9	39.9	46.9	91.45	4,854.4	1,064.1	980.3	893.8	86.46	11.338	
15,010.0	10,315.6	15,126.3	10,340.0	40.0	46.9	91.45	4,864.4	1,064.1	980.3	893.7	86.60	11.320	
15,100.0	10,315.8	15,216.3	10,340.3	40.6	47.5	91.45	4,954.4	1,063.9	980.3	892.5	87.80	11.165	
15,105.0	10,315.8	15,221.3	10,340.3	40.6	47.5	91.45	4,959.4	1,063.9	980.3	892.4	87.87	11.157	
15,200.0	10,316.1	15,316.3	10,340.6	41.3	48.1	91.46	5,054.4	1,063.6	980.3	891.2	89.14	10.997	
15,295.0	10,316.4	15,411.3	10,340.9	42.0	48.7	91.46	5,149.4	1,063.4	980.3	889.9	90.42	10.841	
15,300.0	10,316.4	15,416.3	10,341.0	42.1	48.7	91.46	5,154.4	1,063.4	980.3	889.8	90.49	10.833	
15,390.0	10,316.6	15,506.3	10,341.3	42.7	49.3	91.46	5,244.4	1,063.2	980.3	888.6	91.71	10.689	
15,400.0	10,316.6	15,516.3	10,341.3	42.8	49.3	91.47	5,254.4	1,063.2	980.3	888.5	91.85	10.673	
15,485.0	10,316.9	15,601.3	10,341.6	43.4	49.9	91.47	5,339.4	1,063.0	980.3	887.3	93.00	10.541	
15,500.0	10,316.9	15,616.3	10,341.6	43.5	50.0	91.47	5,354.4	1,063.0	980.3	887.1	93.21	10.518	
15,580.0	10,317.1	15,696.3	10,341.9	44.1	50.5	91.47	5,434.4	1,062.8	980.3	886.0	94.30	10.396	
15,600.0	10,317.2	15,716.3	10,342.0	44.2	50.6	91.47	5,454.4	1,062.7	980.3	885.7	94.57	10.366	
15,675.0	10,317.4	15,791.3	10,342.2	44.8	51.1	91.48	5,529.4	1,062.6	980.3	884.7	95.60	10.255	
15,700.0	10,317.4	15,816.3	10,342.3	45.0	51.2	91.48	5,554.4	1,062.5	980.3	884.4	95.94	10.218	
15,770.0	10,317.6	15,886.3	10,342.6	45.5	51.7	91.48	5,624.4	1,062.4	980.3	883.4	96.90	10.117	
15,800.0	10,317.7	15,916.3	10,342.7	45.7	51.9	91.48	5,654.4	1,062.3	980.3	883.0	97.31	10.074	
15,865.0	10,317.9	15,981.3	10,342.9	46.2	52.3	91.49	5,719.4	1,062.1	980.3	882.1	98.21	9.982	
15,900.0	10,318.0	16,016.3	10,343.0	46.4	52.5	91.49	5,754.4	1,062.1	980.3	881.6	98.69	9.933	
15,960.0	10,318.1	16,076.3	10,343.2	46.9	52.9	91.49	5,814.4	1,061.9	980.3	880.8	99.52	9.850	
16,000.0	10,318.2	16,116.3	10,343.3	47.1	53.2	91.49	5,854.4	1,061.8	980.3	880.2	100.07	9.796	
16,055.0	10,318.4	16,171.3	10,343.5	47.6	53.5	91.49	5,909.4	1,061.7	980.3	879.5	100.83	9.722	
16,100.0	10,318.5	16,216.3	10,343.7	47.9	53.8	91.50	5,954.4	1,061.6	980.3	878.9	101.46	9.662	
16,150.0	10,318.6	16,266.3	10,343.9	48.2	54.2	91.50	6,004.4	1,061.5	980.3	878.2	102.15	9.596	
16,200.0	10,318.8	16,316.3	10,344.0	48.6	54.5	91.50	6,054.4	1,061.4	980.3	877.5	102.85	9.532	
16,245.0	10,318.9	16,361.3	10,344.2	48.9	54.8	91.50	6,099.4	1,061.3	980.3	876.8	103.48	9.474	
16,300.0	10,319.0	16,416.3	10,344.4	49.3	55.1	91.51	6,154.4	1,061.2	980.3	876.1	104.24	9.404	
16,340.0	10,319.1	16,456.3	10,344.5	49.6	55.4	91.51	6,194.4	1,061.1	980.3	875.5	104.80	9.354	
16,400.0	10,319.3	16,516.3	10,344.7	50.1	55.8	91.51	6,254.4	1,060.9	980.3	874.7	105.64	9.280	
16,435.0	10,319.4	16,551.3	10,344.8	50.3	56.0	91.51	6,289.4	1,060.8	980.3	874.2	106.13	9.237	
16,500.0	10,319.5	16,616.3	10,345.1	50.8	56.5	91.51	6,354.4	1,060.7	980.3	873.3	107.04	9.158	
16,530.0	10,319.6	16,646.3	10,345.2	51.0	56.7	91.52	6,384.4	1,060.6	980.3	872.9	107.46	9.123	
16,600.0	10,319.8	16,716.3	10,345.4	51.6	57.1	91.52	6,454.4	1,060.5	980.3	871.9	108.44	9.040	
16,625.0	10,319.9	16,741.3	10,345.5	51.7	57.3	91.52	6,479.4	1,060.4	980.3	871.5	108.79	9.011	
16,700.0	10,320.1	16,816.3	10,345.7	52.3	57.8	91.52	6,554.4	1,060.2	980.3	870.5	109.85	8.924	
16,720.0	10,320.1	16,836.3	10,345.8	52.4	57.9	91.52	6,574.4	1,060.2	980.3	870.2	110.13	8.901	
16,800.0	10,320.3	16,916.3	10,346.1	53.0	58.5	91.53	6,654.4	1,060.0	980.3	869.1	111.26	8.811	
16,815.0	10,320.4	16,931.3	10,346.1	53.1	58.6	91.53	6,669.4	1,060.0	980.3	868.9	111.47	8.794	
16,900.0	10,320.6	17,016.3	10,346.4	53.8	59.1	91.53	6,754.4	1,059.8	980.3	867.7	112.67	8.701	
16,910.0	10,320.6	17,026.3	10,346.5	53.8	59.2	91.53	6,764.4	1,059.8	980.3	867.5	112.81	8.690	
17,000.0	10,320.9	17,116.3	10,346.8	54.5	59.8	91.54	6,854.4	1,059.6	980.3	866.2	114.09	8.593	
17,005.0	10,320.9	17,121.3	10,346.8	54.5	59.8	91.54	6,859.4	1,059.6	980.3	866.2	114.16	8.587	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
17,100.0	10,321.1	17,216.3	10,347.1	55.3	60.5	91.54	6,954.4	1,059.3	980.3	864.8	115.51	8.487	
17,195.0	10,321.4	17,311.3	10,347.4	56.0	61.1	91.55	7,049.4	1,059.1	980.3	863.5	116.86	8.389	
17,200.0	10,321.4	17,316.3	10,347.5	56.0	61.2	91.55	7,054.4	1,059.1	980.3	863.4	116.93	8.384	
17,290.0	10,321.6	17,406.3	10,347.8	56.7	61.8	91.55	7,144.4	1,058.9	980.3	862.1	118.21	8.293	
17,300.0	10,321.7	17,416.3	10,347.8	56.7	61.8	91.55	7,154.4	1,058.9	980.3	862.0	118.35	8.283	
17,385.0	10,321.9	17,501.3	10,348.1	57.4	62.4	91.55	7,239.4	1,058.7	980.3	860.8	119.56	8.199	
17,400.0	10,321.9	17,516.3	10,348.1	57.5	62.5	91.56	7,254.4	1,058.7	980.3	860.6	119.78	8.185	
17,480.0	10,322.1	17,596.3	10,348.4	58.1	63.1	91.56	7,334.4	1,058.5	980.3	859.4	120.92	8.107	
17,500.0	10,322.2	17,616.3	10,348.5	58.2	63.2	91.56	7,354.4	1,058.4	980.3	859.1	121.21	8.088	
17,575.0	10,322.4	17,691.3	10,348.7	58.8	63.7	91.56	7,429.4	1,058.3	980.3	858.1	122.28	8.017	
17,600.0	10,322.5	17,716.3	10,348.8	59.0	63.9	91.56	7,454.4	1,058.2	980.3	857.7	122.64	7.994	
17,670.0	10,322.6	17,786.3	10,349.1	59.5	64.4	91.57	7,524.4	1,058.0	980.3	856.7	123.64	7.929	
17,700.0	10,322.7	17,816.3	10,349.2	59.7	64.6	91.57	7,554.4	1,058.0	980.3	856.3	124.07	7.902	
17,765.0	10,322.9	17,881.3	10,349.4	60.2	65.0	91.57	7,619.4	1,057.8	980.3	855.3	125.00	7.843	
17,800.0	10,323.0	17,916.3	10,349.5	60.5	65.3	91.57	7,654.4	1,057.8	980.3	854.8	125.51	7.811	
17,860.0	10,323.2	17,976.3	10,349.7	60.9	65.7	91.58	7,714.4	1,057.6	980.3	854.0	126.37	7.758	
17,900.0	10,323.3	18,016.3	10,349.8	61.2	66.0	91.58	7,754.4	1,057.5	980.3	853.4	126.94	7.723	
17,955.0	10,323.4	18,071.3	10,350.0	61.6	66.3	91.58	7,809.4	1,057.4	980.4	852.6	127.73	7.675	
18,000.0	10,323.5	18,116.3	10,350.2	61.9	66.6	91.58	7,854.4	1,057.3	980.4	852.0	128.38	7.636	
18,050.0	10,323.7	18,166.3	10,350.4	62.3	67.0	91.58	7,904.4	1,057.2	980.4	851.3	129.10	7.594	
18,100.0	10,323.8	18,216.3	10,350.5	62.7	67.3	91.59	7,954.4	1,057.1	980.4	850.5	129.82	7.551	
18,145.0	10,323.9	18,261.3	10,350.7	63.0	67.7	91.59	7,999.3	1,057.0	980.4	849.9	130.47	7.514	
18,200.0	10,324.1	18,316.3	10,350.9	63.4	68.0	91.59	8,054.3	1,056.8	980.4	849.1	131.27	7.468	
18,240.0	10,324.2	18,356.3	10,351.0	63.7	68.3	91.59	8,094.3	1,056.8	980.4	848.5	131.84	7.436	
18,300.0	10,324.3	18,416.3	10,351.2	64.2	68.7	91.60	8,154.3	1,056.6	980.4	847.6	132.71	7.387	
18,335.0	10,324.4	18,451.3	10,351.3	64.4	69.0	91.60	8,189.3	1,056.5	980.4	847.1	133.22	7.359	
18,400.0	10,324.6	18,516.3	10,351.6	64.9	69.4	91.60	8,254.3	1,056.4	980.4	846.2	134.16	7.308	
18,430.0	10,324.7	18,546.3	10,351.7	65.2	69.6	91.60	8,284.3	1,056.3	980.4	845.8	134.59	7.284	
18,500.0	10,324.8	18,616.3	10,351.9	65.7	70.1	91.60	8,354.3	1,056.2	980.4	844.8	135.61	7.230	
18,525.0	10,324.9	18,641.3	10,352.0	65.9	70.3	91.61	8,379.3	1,056.1	980.4	844.4	135.97	7.210	
18,600.0	10,325.1	18,716.3	10,352.2	66.4	70.8	91.61	8,454.3	1,055.9	980.4	843.3	137.06	7.153	
18,620.0	10,325.2	18,736.3	10,352.3	66.6	71.0	91.61	8,474.3	1,055.9	980.4	843.0	137.35	7.138	
18,700.0	10,325.4	18,816.3	10,352.6	67.2	71.5	91.61	8,554.3	1,055.7	980.4	841.9	138.51	7.078	
18,715.0	10,325.4	18,831.3	10,352.6	67.3	71.6	91.61	8,569.3	1,055.7	980.4	841.6	138.73	7.067	
18,800.0	10,325.6	18,916.3	10,352.9	67.9	72.2	91.62	8,654.3	1,055.5	980.4	840.4	139.96	7.005	
18,810.0	10,325.7	18,926.3	10,353.0	68.0	72.3	91.62	8,664.3	1,055.5	980.4	840.3	140.11	6.997	
18,900.0	10,325.9	19,016.3	10,353.3	68.7	72.9	91.62	8,754.3	1,055.3	980.4	839.0	141.42	6.933	
18,905.0	10,325.9	19,021.3	10,353.3	68.7	73.0	91.62	8,759.3	1,055.2	980.4	838.9	141.49	6.929	
19,000.0	10,326.2	19,116.3	10,353.6	69.4	73.6	91.63	8,854.3	1,055.0	980.4	837.5	142.87	6.862	
19,095.0	10,326.4	19,211.3	10,353.9	70.1	74.3	91.63	8,949.3	1,054.8	980.4	836.1	144.26	6.796	
19,100.0	10,326.4	19,216.3	10,354.0	70.2	74.4	91.63	8,954.3	1,054.8	980.4	836.0	144.33	6.793	
19,190.0	10,326.7	19,306.3	10,354.3	70.8	75.0	91.64	9,044.3	1,054.6	980.4	834.7	145.64	6.731	
19,200.0	10,326.7	19,316.3	10,354.3	70.9	75.1	91.64	9,054.3	1,054.6	980.4	834.6	145.79	6.725	
19,285.0	10,326.9	19,401.3	10,354.6	71.6	75.7	91.64	9,139.3	1,054.4	980.4	833.4	147.03	6.668	
19,300.0	10,327.0	19,416.3	10,354.6	71.7	75.8	91.64	9,154.3	1,054.4	980.4	833.1	147.25	6.658	
19,380.0	10,327.2	19,496.3	10,354.9	72.3	76.3	91.64	9,234.3	1,054.2	980.4	832.0	148.42	6.606	
19,400.0	10,327.2	19,516.3	10,355.0	72.4	76.5	91.65	9,254.3	1,054.1	980.4	831.7	148.71	6.593	
19,475.0	10,327.4	19,591.3	10,355.2	73.0	77.0	91.65	9,329.3	1,054.0	980.4	830.6	149.81	6.544	
19,500.0	10,327.5	19,616.3	10,355.3	73.2	77.2	91.65	9,354.3	1,053.9	980.4	830.2	150.17	6.528	
19,570.0	10,327.7	19,686.3	10,355.6	73.7	77.7	91.65	9,424.3	1,053.7	980.4	829.2	151.20	6.484	
19,600.0	10,327.8	19,716.3	10,355.7	73.9	77.9	91.65	9,454.3	1,053.7	980.4	828.8	151.64	6.465	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
19,665.0	10,327.9	19,781.3	10,355.9	74.4	78.4	91.66	9,519.3	1,053.5	980.4	827.8	152.59	6.425	
19,700.0	10,328.0	19,816.3	10,356.0	74.7	78.6	91.66	9,554.3	1,053.4	980.4	827.3	153.10	6.403	
19,760.0	10,328.2	19,876.3	10,356.2	75.1	79.0	91.66	9,614.3	1,053.3	980.4	826.4	153.98	6.367	
19,800.0	10,328.3	19,916.3	10,356.3	75.4	79.3	91.66	9,654.3	1,053.2	980.4	825.8	154.57	6.343	
19,855.0	10,328.4	19,971.3	10,356.5	75.8	79.7	91.67	9,709.3	1,053.1	980.4	825.0	155.38	6.310	
19,900.0	10,328.6	20,016.3	10,356.7	76.2	80.0	91.67	9,754.3	1,053.0	980.4	824.4	156.04	6.283	
19,950.0	10,328.7	20,066.3	10,356.9	76.5	80.4	91.67	9,804.3	1,052.9	980.4	823.6	156.77	6.254	
20,000.0	10,328.8	20,116.3	10,357.0	76.9	80.8	91.67	9,854.3	1,052.8	980.4	822.9	157.51	6.225	
20,045.0	10,328.9	20,161.3	10,357.2	77.3	81.1	91.67	9,899.3	1,052.7	980.4	822.2	158.17	6.199	
20,100.0	10,329.1	20,216.3	10,357.4	77.7	81.5	91.68	9,954.3	1,052.5	980.4	821.4	158.98	6.167	
20,140.0	10,329.2	20,256.3	10,357.5	78.0	81.8	91.68	9,994.3	1,052.4	980.4	820.8	159.56	6.144	
20,200.0	10,329.4	20,316.3	10,357.7	78.4	82.2	91.68	10,054.3	1,052.3	980.4	820.0	160.45	6.110	
20,235.0	10,329.4	20,351.3	10,357.8	78.7	82.4	91.68	10,089.3	1,052.2	980.4	819.4	160.96	6.091	
20,300.0	10,329.6	20,416.3	10,358.1	79.2	82.9	91.69	10,154.3	1,052.1	980.4	818.5	161.92	6.055	
20,330.0	10,329.7	20,446.3	10,358.2	79.4	83.1	91.69	10,184.3	1,052.0	980.4	818.0	162.36	6.038	
20,400.0	10,329.9	20,516.3	10,358.4	79.9	83.6	91.69	10,254.3	1,051.9	980.4	817.0	163.39	6.000	
20,425.0	10,330.0	20,541.3	10,358.5	80.1	83.8	91.69	10,279.3	1,051.8	980.4	816.6	163.76	5.987	
20,500.0	10,330.1	20,616.3	10,358.7	80.7	84.3	91.69	10,354.3	1,051.6	980.4	815.5	164.86	5.947	
20,520.0	10,330.2	20,636.3	10,358.8	80.8	84.5	91.70	10,374.3	1,051.6	980.4	815.2	165.16	5.936	
20,600.0	10,330.4	20,716.3	10,359.1	81.4	85.1	91.70	10,454.3	1,051.4	980.4	814.1	166.34	5.894	
20,615.0	10,330.5	20,731.3	10,359.1	81.5	85.2	91.70	10,469.3	1,051.4	980.4	813.8	166.56	5.886	
20,700.0	10,330.7	20,816.3	10,359.4	82.2	85.8	91.70	10,554.3	1,051.2	980.4	812.6	167.82	5.842	
20,710.0	10,330.7	20,826.3	10,359.5	82.3	85.9	91.70	10,564.3	1,051.2	980.4	812.4	167.96	5.837	
20,800.0	10,330.9	20,916.3	10,359.8	82.9	86.5	91.71	10,654.3	1,051.0	980.4	811.1	169.29	5.791	
20,805.0	10,331.0	20,921.3	10,359.8	83.0	86.5	91.71	10,659.3	1,050.9	980.4	811.0	169.37	5.789	
20,900.0	10,331.2	21,016.3	10,360.1	83.7	87.2	91.71	10,754.3	1,050.7	980.4	809.6	170.77	5.741	
20,995.0	10,331.5	21,111.3	10,360.4	84.4	87.9	91.72	10,849.3	1,050.5	980.4	808.2	172.17	5.694	
21,000.0	10,331.5	21,116.3	10,360.5	84.5	88.0	91.72	10,854.3	1,050.5	980.4	808.2	172.25	5.692	
21,090.0	10,331.7	21,206.3	10,360.8	85.1	88.6	91.72	10,944.3	1,050.3	980.4	806.8	173.58	5.648	
21,100.0	10,331.7	21,216.3	10,360.8	85.2	88.7	91.72	10,954.3	1,050.3	980.4	806.7	173.73	5.643	
21,185.0	10,332.0	21,301.3	10,361.1	85.8	89.3	91.73	11,039.3	1,050.1	980.4	805.4	174.98	5.603	
21,200.0	10,332.0	21,316.3	10,361.1	86.0	89.4	91.73	11,054.3	1,050.0	980.4	805.2	175.21	5.596	
21,280.0	10,332.2	21,396.3	10,361.4	86.6	90.0	91.73	11,134.3	1,049.9	980.4	804.0	176.39	5.558	
21,300.0	10,332.3	21,416.3	10,361.5	86.7	90.1	91.73	11,154.3	1,049.8	980.4	803.7	176.69	5.549	
21,375.0	10,332.5	21,491.3	10,361.7	87.3	90.7	91.73	11,229.3	1,049.6	980.4	802.6	177.80	5.514	
21,400.0	10,332.5	21,516.3	10,361.8	87.5	90.9	91.74	11,254.3	1,049.6	980.4	802.3	178.17	5.503	
21,470.0	10,332.7	21,586.3	10,362.1	88.0	91.4	91.74	11,324.3	1,049.4	980.4	801.2	179.21	5.471	
21,500.0	10,332.8	21,616.3	10,362.2	88.2	91.6	91.74	11,354.3	1,049.4	980.4	800.8	179.65	5.457	
21,565.0	10,333.0	21,681.3	10,362.4	88.7	92.1	91.74	11,419.3	1,049.2	980.4	799.8	180.62	5.428	
21,600.0	10,333.1	21,716.3	10,362.5	89.0	92.3	91.74	11,454.3	1,049.1	980.4	799.3	181.13	5.413	
21,660.0	10,333.2	21,776.3	10,362.7	89.4	92.7	91.75	11,514.3	1,049.0	980.4	798.4	182.02	5.386	
21,700.0	10,333.3	21,816.3	10,362.8	89.7	93.0	91.75	11,554.3	1,048.9	980.4	797.8	182.62	5.369	
21,755.0	10,333.5	21,871.3	10,363.0	90.1	93.4	91.75	11,609.3	1,048.8	980.4	797.0	183.43	5.345	
21,800.0	10,333.6	21,916.3	10,363.2	90.5	93.8	91.75	11,654.3	1,048.7	980.4	796.3	184.10	5.326	
21,850.0	10,333.7	21,966.3	10,363.4	90.9	94.1	91.76	11,704.3	1,048.6	980.4	795.6	184.84	5.304	
21,900.0	10,333.9	22,016.3	10,363.5	91.2	94.5	91.76	11,754.3	1,048.5	980.4	794.9	185.59	5.283	
21,945.0	10,334.0	22,061.3	10,363.7	91.6	94.8	91.76	11,799.3	1,048.4	980.4	794.2	186.26	5.264	
22,000.0	10,334.1	22,116.3	10,363.9	92.0	95.2	91.76	11,854.3	1,048.2	980.4	793.4	187.07	5.241	
22,040.0	10,334.2	22,156.3	10,364.0	92.3	95.5	91.76	11,894.3	1,048.1	980.4	792.8	187.67	5.224	
22,100.0	10,334.4	22,216.3	10,364.2	92.8	96.0	91.77	11,954.3	1,048.0	980.4	791.9	188.56	5.200	
22,135.0	10,334.5	22,251.3	10,364.3	93.0	96.2	91.77	11,989.3	1,047.9	980.4	791.4	189.08	5.185	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #907H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9855-r.5 MWD+IFR1+MS **Rule Assigned:** **Offset Well Error:** 3.0 usft

Reference 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
22,200.0	10,334.7	22,316.3	10,364.6	93.5	96.7	91.77	12,054.3	1,047.8	980.4	790.4	190.05	5.159	
22,230.0	10,334.7	22,346.3	10,364.7	93.7	96.9	91.77	12,084.3	1,047.7	980.4	790.0	190.49	5.147	
22,300.0	10,334.9	22,416.3	10,364.9	94.3	97.4	91.78	12,154.3	1,047.5	980.4	788.9	191.53	5.119	
22,325.0	10,335.0	22,441.3	10,365.0	94.5	97.6	91.78	12,179.3	1,047.5	980.5	788.5	191.90	5.109	
22,325.0	10,335.0	22,441.3	10,365.0	94.5	97.6	91.78	12,179.3	1,047.5	980.5	788.5	191.90	5.109	
22,330.0	10,335.0	22,444.7	10,365.0	94.5	97.6	91.78	12,182.7	1,047.5	980.5	788.5	191.97	5.107	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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	89.79	0.1	30.2	30.2				
95.0	95.0	94.9	94.9	3.0	3.0	89.79	0.1	30.2	30.2	24.1	6.04	4.998	
100.0	100.0	99.9	99.9	3.0	3.0	89.79	0.1	30.2	30.2	24.1	6.04	4.994	
190.0	190.0	189.9	189.9	3.1	3.1	89.79	0.1	30.2	30.2	23.9	6.25	4.826	
200.0	200.0	199.9	199.9	3.1	3.1	89.79	0.1	30.2	30.2	23.9	6.29	4.800	
285.0	285.0	284.9	284.9	3.3	3.3	89.79	0.1	30.2	30.2	23.7	6.48	4.654	
300.0	300.0	299.9	299.9	3.3	3.3	89.79	0.1	30.2	30.2	23.6	6.52	4.626	
380.0	380.0	379.9	379.9	3.4	3.4	89.79	0.1	30.2	30.2	23.5	6.70	4.502	
400.0	400.0	399.9	399.9	3.4	3.4	89.79	0.1	30.2	30.2	23.4	6.75	4.470	
475.0	475.0	474.9	474.9	3.5	3.5	89.79	0.1	30.2	30.2	23.3	6.91	4.364	
500.0	500.0	499.9	499.9	3.5	3.5	89.79	0.1	30.2	30.2	23.2	6.97	4.328	
570.0	570.0	569.9	569.9	3.6	3.6	89.79	0.1	30.2	30.2	23.1	7.12	4.238	
600.0	600.0	599.9	599.9	3.6	3.6	89.79	0.1	30.2	30.2	23.0	7.18	4.199	
665.0	665.0	664.9	664.9	3.7	3.7	89.79	0.1	30.2	30.2	22.9	7.32	4.123	
700.0	700.0	699.9	699.9	3.8	3.8	89.79	0.1	30.2	30.2	22.8	7.39	4.082	
760.0	760.0	759.9	759.9	3.8	3.8	89.79	0.1	30.2	30.2	22.7	7.51	4.016	
800.0	800.0	799.9	799.9	3.9	3.9	89.79	0.1	30.2	30.2	22.6	7.59	3.973	
855.0	855.0	854.9	854.9	4.0	4.0	89.79	0.1	30.2	30.2	22.5	7.70	3.918	
900.0	900.0	899.9	899.9	4.0	4.0	89.79	0.1	30.2	30.2	22.4	7.79	3.873	
950.0	950.0	949.9	949.9	4.1	4.1	89.79	0.1	30.2	30.2	22.3	7.89	3.826	
1,000.0	1,000.0	999.9	999.9	4.1	4.1	89.79	0.1	30.2	30.2	22.2	7.98	3.780	
1,045.0	1,045.0	1,044.9	1,044.9	4.2	4.2	89.79	0.1	30.2	30.2	22.1	8.07	3.741	
1,100.0	1,100.0	1,099.9	1,099.9	4.2	4.2	89.79	0.1	30.2	30.2	22.0	8.17	3.693	
1,140.0	1,140.0	1,139.9	1,139.9	4.3	4.3	89.79	0.1	30.2	30.2	21.9	8.24	3.660	
1,200.0	1,200.0	1,199.9	1,199.9	4.4	4.4	89.79	0.1	30.2	30.2	21.8	8.35	3.612	
1,235.0	1,235.0	1,234.9	1,234.9	4.4	4.4	89.79	0.1	30.2	30.2	21.8	8.41	3.585	
1,300.0	1,300.0	1,299.9	1,299.9	4.5	4.5	89.79	0.1	30.2	30.2	21.6	8.53	3.536	
1,330.0	1,330.0	1,329.9	1,329.9	4.5	4.5	89.79	0.1	30.2	30.2	21.6	8.58	3.515	
1,400.0	1,400.0	1,399.9	1,399.9	4.6	4.6	89.79	0.1	30.2	30.2	21.5	8.71	3.465	
1,425.0	1,425.0	1,424.9	1,424.9	4.6	4.6	89.79	0.1	30.2	30.2	21.4	8.75	3.448	
1,500.0	1,500.0	1,499.9	1,499.9	4.7	4.7	89.79	0.1	30.2	30.2	21.3	8.88	3.398	CC
1,520.0	1,520.0	1,519.7	1,519.7	4.7	4.7	-41.85	0.1	30.2	30.2	21.2	8.94	3.375	ES
1,600.0	1,600.0	1,598.9	1,598.8	4.9	4.8	-43.45	-0.1	31.9	30.6	21.4	9.21	3.323	
1,615.0	1,615.0	1,613.7	1,613.7	4.9	4.8	-43.98	-0.2	32.4	30.7	21.5	9.28	3.313	
1,700.0	1,699.8	1,697.8	1,697.6	5.1	5.0	-48.17	-0.9	36.9	32.0	22.3	9.67	3.308	
1,710.0	1,709.8	1,707.6	1,707.5	5.1	5.0	-48.78	-1.0	37.6	32.2	22.5	9.70	3.318	
1,749.9	1,749.6	1,747.1	1,746.8	5.2	5.1	-51.42	-1.5	40.7	33.2	23.3	9.83	3.374	
1,800.0	1,799.5	1,796.6	1,796.0	5.2	5.2	-54.53	-2.1	45.3	35.0	25.0	9.99	3.504	
1,805.0	1,804.5	1,801.5	1,800.9	5.2	5.2	-54.79	-2.2	45.8	35.2	25.2	10.01	3.520	
1,900.0	1,899.1	1,895.7	1,894.5	5.4	5.4	-58.44	-3.8	56.8	40.9	30.7	10.28	3.983	
1,995.0	1,993.8	1,990.5	1,988.6	5.6	5.6	-60.97	-5.5	68.2	47.1	36.5	10.65	4.428	
2,000.0	1,998.7	1,995.5	1,993.5	5.6	5.6	-61.08	-5.6	68.8	47.5	36.8	10.67	4.450	
2,090.0	2,088.4	2,085.3	2,082.7	5.9	5.8	-62.91	-7.2	79.7	53.4	42.4	11.03	4.843	
2,100.0	2,098.4	2,095.3	2,092.6	5.9	5.9	-63.09	-7.4	80.9	54.1	43.0	11.07	4.886	
2,185.0	2,183.0	2,180.1	2,176.7	6.1	6.1	-64.44	-8.9	91.1	59.7	48.3	11.41	5.232	
2,200.0	2,198.0	2,195.0	2,191.6	6.1	6.1	-64.65	-9.2	92.9	60.7	49.2	11.48	5.292	
2,280.0	2,277.7	2,274.8	2,270.8	6.4	6.4	-65.68	-10.6	102.5	66.1	54.3	11.81	5.596	
2,300.0	2,297.6	2,294.8	2,290.6	6.4	6.4	-65.91	-11.0	104.9	67.4	55.5	11.89	5.670	
2,375.0	2,372.3	2,369.6	2,364.9	6.6	6.7	-66.70	-12.3	113.9	72.4	60.2	12.20	5.936	
2,400.0	2,397.2	2,394.6	2,389.6	6.7	6.7	-66.94	-12.8	116.9	74.1	61.8	12.31	6.022	
2,470.0	2,466.9	2,464.4	2,458.9	6.9	7.0	-67.55	-14.0	125.4	78.8	66.2	12.60	6.255	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
2,500.0	2,496.8	2,494.3	2,488.6	7.0	7.1	-67.79	-14.6	129.0	80.9	68.1	12.73	6.351	
2,565.0	2,561.6	2,559.2	2,553.0	7.2	7.3	-68.28	-15.7	136.8	85.2	72.2	13.01	6.553	
2,600.0	2,596.5	2,594.1	2,587.7	7.3	7.4	-68.52	-16.4	141.0	87.6	74.4	13.16	6.658	
2,660.0	2,656.2	2,653.9	2,647.1	7.5	7.6	-68.90	-17.4	148.2	91.7	78.2	13.42	6.832	
2,700.0	2,696.1	2,693.8	2,686.7	7.6	7.7	-69.14	-18.1	153.0	94.4	80.8	13.59	6.945	
2,755.0	2,750.9	2,748.7	2,741.2	7.8	7.9	-69.45	-19.1	159.6	98.1	84.3	13.83	7.095	
2,800.0	2,795.7	2,793.6	2,785.7	7.9	8.1	-69.68	-19.9	165.1	101.1	87.1	14.02	7.213	
2,837.2	2,832.8	2,830.8	2,822.6	8.0	8.2	-69.86	-20.6	169.5	103.7	89.5	14.15	7.324	
2,850.0	2,845.5	2,843.5	2,835.2	8.1	8.3	-69.92	-20.8	171.1	104.5	90.3	14.20	7.360	
2,900.0	2,895.3	2,893.4	2,884.7	8.2	8.4	-70.02	-21.7	177.1	108.0	93.6	14.40	7.501	
2,945.0	2,940.2	2,938.3	2,929.3	8.3	8.6	-69.92	-22.5	182.5	111.3	96.7	14.62	7.616	
3,000.0	2,995.1	2,993.1	2,983.7	8.5	8.8	-69.59	-23.5	189.1	115.5	100.6	14.89	7.757	
3,040.0	3,035.0	3,033.0	3,023.3	8.6	8.9	-69.22	-24.2	193.9	118.6	103.5	15.10	7.859	
3,100.0	3,095.0	3,092.7	3,082.6	8.8	9.2	-68.47	-25.3	201.1	123.6	108.2	15.42	8.013	
3,135.0	3,130.0	3,127.6	3,117.2	8.9	9.3	-67.95	-25.9	205.3	126.6	111.0	15.62	8.103	
3,200.0	3,194.9	3,192.3	3,181.4	9.1	9.5	-66.81	-27.1	213.1	132.4	116.4	16.01	8.271	
3,230.0	3,224.9	3,222.1	3,211.0	9.2	9.6	-66.22	-27.6	216.7	135.2	119.0	16.19	8.351	
3,300.0	3,294.9	3,291.7	3,280.0	9.4	9.9	-64.73	-28.8	225.1	142.1	125.4	16.63	8.540	
3,325.0	3,319.9	3,316.5	3,304.7	9.4	10.0	-64.16	-29.3	228.1	144.6	127.8	16.77	8.622	
3,337.1	3,332.0	3,328.5	3,316.6	9.4	10.0	67.70	-29.5	229.5	145.9	129.0	16.84	8.663	
3,400.0	3,394.9	3,390.9	3,378.6	9.4	10.3	69.17	-30.6	237.1	152.5	135.3	17.19	8.875	
3,420.0	3,414.9	3,410.8	3,398.3	9.4	10.3	69.61	-31.0	239.5	154.7	137.4	17.31	8.937	
3,500.0	3,494.9	3,490.2	3,477.1	9.5	10.6	71.26	-32.4	249.0	163.3	145.5	17.78	9.186	
3,515.0	3,509.9	3,505.1	3,491.9	9.5	10.7	71.55	-32.7	250.8	164.9	147.1	17.86	9.232	
3,600.0	3,594.9	3,589.4	3,575.6	9.6	11.0	73.09	-34.2	261.0	174.2	155.9	18.35	9.493	
3,610.0	3,604.9	3,599.4	3,585.4	9.6	11.1	73.26	-34.4	262.2	175.3	156.9	18.41	9.524	
3,700.0	3,694.9	3,688.7	3,674.1	9.6	11.4	74.70	-36.0	273.0	185.3	166.4	18.92	9.795	
3,705.0	3,699.9	3,693.7	3,679.0	9.6	11.4	74.78	-36.0	273.6	185.9	166.9	18.95	9.810	
3,800.0	3,794.9	3,787.9	3,772.6	9.7	11.8	76.13	-37.7	284.9	196.6	177.1	19.48	10.090	
3,895.0	3,889.9	3,882.2	3,866.2	9.8	12.2	77.34	-39.4	296.3	207.3	187.3	20.01	10.363	
3,900.0	3,894.9	3,887.2	3,871.1	9.8	12.2	77.40	-39.5	296.9	207.9	187.9	20.03	10.377	
3,990.0	3,984.9	3,976.5	3,959.8	9.8	12.5	78.44	-41.1	307.7	218.2	197.7	20.53	10.630	
4,000.0	3,994.9	3,986.5	3,969.7	9.8	12.6	78.55	-41.3	308.9	219.3	198.8	20.58	10.658	
4,085.0	4,079.9	4,070.8	4,053.4	9.9	12.9	79.43	-42.8	319.0	229.1	208.1	21.04	10.890	
4,100.0	4,094.9	4,085.7	4,068.2	9.9	13.0	79.58	-43.1	320.8	230.8	209.7	21.12	10.930	
4,180.0	4,174.9	4,165.1	4,147.0	10.0	13.3	80.33	-44.5	330.4	240.1	218.5	21.55	11.142	
4,200.0	4,194.9	4,185.0	4,166.7	10.0	13.4	80.51	-44.8	332.8	242.4	220.8	21.66	11.194	
4,275.0	4,269.9	4,259.4	4,240.6	10.0	13.7	81.15	-46.2	341.8	251.1	229.1	22.05	11.387	
4,300.0	4,294.9	4,284.2	4,265.2	10.1	13.7	81.35	-46.6	344.8	254.0	231.9	22.19	11.451	
4,370.0	4,364.9	4,353.7	4,334.2	10.1	14.0	81.90	-47.9	353.1	262.2	239.7	22.56	11.625	
4,400.0	4,394.9	4,383.5	4,363.7	10.1	14.1	82.13	-48.4	356.7	265.7	243.0	22.71	11.699	
4,465.0	4,459.9	4,448.0	4,427.7	10.2	14.4	82.59	-49.6	364.5	273.3	250.3	23.05	11.857	
4,500.0	4,494.9	4,482.7	4,462.2	10.2	14.5	82.83	-50.2	368.7	277.5	254.2	23.24	11.940	
4,560.0	4,554.9	4,542.3	4,521.3	10.2	14.8	83.23	-51.2	375.9	284.5	261.0	23.55	12.081	
4,600.0	4,594.9	4,582.0	4,560.7	10.3	14.9	83.48	-52.0	380.7	289.2	265.5	23.76	12.173	
4,655.0	4,649.9	4,636.6	4,614.9	10.3	15.2	83.82	-52.9	387.2	295.7	271.7	24.04	12.298	
4,700.0	4,694.9	4,681.2	4,659.3	10.3	15.3	84.08	-53.7	392.6	301.0	276.7	24.28	12.399	
4,750.0	4,744.9	4,730.9	4,708.5	10.4	15.5	84.36	-54.6	398.6	306.9	282.4	24.54	12.509	
4,800.0	4,794.9	4,780.5	4,757.8	10.4	15.7	84.63	-55.5	404.6	312.8	288.0	24.79	12.618	
4,845.0	4,839.9	4,825.2	4,802.1	10.4	15.9	84.87	-56.3	410.0	318.2	293.1	25.03	12.714	
4,900.0	4,894.9	4,879.7	4,856.3	10.5	16.1	85.15	-57.3	416.6	324.7	299.4	25.31	12.829	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
4,940.0	4,934.9	4,919.4	4,895.7	10.5	16.3	85.34	-58.0	421.3	329.4	303.9	25.51	12.912	
5,000.0	4,994.9	4,979.0	4,954.8	10.6	16.5	85.63	-59.1	428.5	336.6	310.7	25.82	13.034	
5,035.0	5,029.9	5,013.7	4,989.3	10.6	16.7	85.78	-59.7	432.7	340.7	314.7	26.00	13.104	
5,100.0	5,094.9	5,078.3	5,053.3	10.6	16.9	86.07	-60.8	440.5	348.5	322.1	26.33	13.233	
5,130.0	5,124.9	5,108.0	5,082.9	10.6	17.1	86.20	-61.4	444.1	352.0	325.6	26.49	13.291	
5,200.0	5,194.9	5,177.5	5,151.8	10.7	17.3	86.49	-62.6	452.5	360.4	333.5	26.84	13.425	
5,225.0	5,219.9	5,202.3	5,176.5	10.7	17.4	86.58	-63.1	455.5	363.4	336.4	26.97	13.472	
5,300.0	5,294.9	5,276.8	5,250.3	10.8	17.7	86.87	-64.4	464.4	372.3	345.0	27.35	13.611	
5,320.0	5,314.9	5,296.6	5,270.0	10.8	17.8	86.95	-64.8	466.8	374.7	347.3	27.46	13.648	
5,400.0	5,394.9	5,376.0	5,348.9	10.8	18.2	87.24	-66.2	476.4	384.3	356.4	27.86	13.792	
5,415.0	5,409.9	5,390.9	5,363.6	10.9	18.2	87.29	-66.4	478.2	386.1	358.1	27.94	13.818	
5,500.0	5,494.9	5,475.3	5,447.4	10.9	18.6	87.58	-68.0	488.4	396.2	367.9	28.37	13.967	
5,510.0	5,504.9	5,485.2	5,457.2	10.9	18.6	87.61	-68.1	489.6	397.4	369.0	28.42	13.984	
5,600.0	5,594.9	5,574.5	5,545.9	11.0	19.0	87.90	-69.7	500.3	408.2	379.3	28.88	14.136	
5,605.0	5,599.9	5,579.5	5,550.8	11.0	19.0	87.92	-69.8	500.9	408.8	379.9	28.90	14.145	
5,700.0	5,694.9	5,673.8	5,644.4	11.1	19.4	88.21	-71.5	512.3	420.2	390.8	29.38	14.301	
5,795.0	5,789.9	5,768.1	5,738.0	11.1	19.8	88.48	-73.2	523.7	431.6	401.8	29.86	14.453	
5,800.0	5,794.9	5,773.0	5,742.9	11.1	19.8	88.50	-73.3	524.3	432.2	402.3	29.89	14.460	
5,890.0	5,884.9	5,862.4	5,831.6	11.2	20.1	88.74	-74.9	535.0	443.0	412.7	30.34	14.600	
5,900.0	5,894.9	5,872.3	5,841.4	11.2	20.2	88.77	-75.1	536.2	444.2	413.8	30.39	14.615	
5,985.0	5,979.9	5,959.0	5,927.5	11.3	20.5	88.99	-76.6	546.6	454.4	423.6	30.82	14.742	
6,000.0	5,994.9	5,975.2	5,943.6	11.3	20.6	89.03	-76.9	548.4	456.1	425.2	30.90	14.760	
6,080.0	6,074.9	6,061.6	6,029.5	11.3	20.9	89.22	-78.2	557.5	464.5	433.2	31.31	14.834	
6,100.0	6,094.9	6,083.2	6,051.0	11.4	21.0	89.26	-78.5	559.6	466.4	435.0	31.42	14.846	
6,175.0	6,169.9	6,164.5	6,132.0	11.4	21.3	89.40	-79.6	566.7	472.9	441.1	31.79	14.878	
6,200.0	6,194.9	6,191.6	6,159.0	11.4	21.4	89.44	-79.9	568.8	474.9	442.9	31.91	14.882	
6,270.0	6,264.9	6,267.7	6,235.0	11.5	21.7	89.54	-80.7	574.0	479.7	447.4	32.23	14.882	
6,300.0	6,294.9	6,300.4	6,267.5	11.5	21.8	89.57	-81.0	576.0	481.5	449.1	32.37	14.874	
6,365.0	6,359.9	6,371.2	6,338.3	11.6	22.1	89.64	-81.5	579.6	484.7	452.1	32.65	14.849	
6,400.0	6,394.9	6,409.4	6,376.4	11.6	22.2	89.67	-81.7	581.1	486.2	453.4	32.79	14.827	
6,460.0	6,454.9	6,474.8	6,441.8	11.6	22.4	89.71	-82.1	583.3	488.1	455.1	33.02	14.783	
6,500.0	6,494.9	6,518.5	6,485.5	11.7	22.5	89.72	-82.2	584.3	489.0	455.9	33.16	14.747	
6,555.0	6,549.9	6,578.6	6,545.6	11.7	22.7	89.74	-82.3	585.1	489.8	456.5	33.33	14.694	
6,600.0	6,594.9	6,627.7	6,594.7	11.7	22.7	89.74	-82.4	585.3	490.0	456.6	33.43	14.658	
6,650.0	6,644.9	6,677.8	6,644.8	11.8	22.7	89.74	-82.4	585.3	490.0	456.5	33.48	14.636	
6,700.0	6,694.9	6,727.8	6,694.8	11.8	22.8	89.74	-82.4	585.3	490.0	456.5	33.53	14.613	
6,745.0	6,739.9	6,772.8	6,739.8	11.8	22.8	89.74	-82.4	585.3	490.0	456.4	33.58	14.592	
6,800.0	6,794.9	6,827.8	6,794.8	11.9	22.8	89.74	-82.4	585.3	490.0	456.4	33.64	14.565	
6,840.0	6,834.9	6,867.8	6,834.8	11.9	22.8	89.74	-82.4	585.3	490.0	456.3	33.68	14.546	
6,900.0	6,894.9	6,927.8	6,894.8	12.0	22.8	89.74	-82.4	585.3	490.0	456.2	33.75	14.518	
6,935.0	6,929.9	6,962.8	6,929.8	12.0	22.8	89.74	-82.4	585.3	490.0	456.2	33.79	14.501	
7,000.0	6,994.9	7,027.8	6,994.8	12.0	22.8	89.74	-82.4	585.3	490.0	456.1	33.86	14.470	
7,030.0	7,024.9	7,057.8	7,024.8	12.0	22.9	89.74	-82.4	585.3	490.0	456.1	33.90	14.456	
7,100.0	7,094.9	7,127.8	7,094.8	12.1	22.9	89.74	-82.4	585.3	490.0	456.0	33.97	14.423	
7,125.0	7,119.9	7,152.8	7,119.8	12.1	22.9	89.74	-82.4	585.3	490.0	456.0	34.00	14.411	
7,200.0	7,194.9	7,227.8	7,194.8	12.2	22.9	89.74	-82.4	585.3	490.0	455.9	34.08	14.376	
7,220.0	7,214.9	7,247.8	7,214.8	12.2	22.9	89.74	-82.4	585.3	490.0	455.9	34.11	14.367	
7,300.0	7,294.9	7,327.8	7,294.8	12.2	22.9	89.74	-82.4	585.3	490.0	455.8	34.20	14.329	
7,315.0	7,309.9	7,342.8	7,309.8	12.3	22.9	89.74	-82.4	585.3	490.0	455.8	34.21	14.322	
7,400.0	7,394.9	7,427.8	7,394.8	12.3	23.0	89.74	-82.4	585.3	490.0	455.7	34.31	14.283	
7,410.0	7,404.9	7,437.8	7,404.8	12.3	23.0	89.74	-82.4	585.3	490.0	455.7	34.32	14.278	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
7,500.0	7,494.9	7,527.8	7,494.8	12.4	23.0	89.74	-82.4	585.3	490.0	455.6	34.42	14.236	
7,505.0	7,499.9	7,532.8	7,499.8	12.4	23.0	89.74	-82.4	585.3	490.0	455.6	34.42	14.234	
7,600.0	7,594.9	7,627.8	7,594.8	12.5	23.0	89.74	-82.4	585.3	490.0	455.5	34.53	14.190	
7,695.0	7,689.9	7,722.8	7,689.8	12.5	23.1	89.74	-82.4	585.3	490.0	455.4	34.64	14.146	
7,700.0	7,694.9	7,727.8	7,694.8	12.5	23.1	89.74	-82.4	585.3	490.0	455.4	34.64	14.144	
7,790.0	7,784.9	7,817.8	7,784.8	12.6	23.1	89.74	-82.4	585.3	490.0	455.2	34.75	14.102	
7,800.0	7,794.9	7,827.8	7,794.8	12.6	23.1	89.74	-82.4	585.3	490.0	455.2	34.76	14.098	
7,885.0	7,879.9	7,912.8	7,879.8	12.7	23.1	89.74	-82.4	585.3	490.0	455.1	34.85	14.059	
7,900.0	7,894.9	7,927.8	7,894.8	12.7	23.1	89.74	-82.4	585.3	490.0	455.1	34.87	14.052	
7,980.0	7,974.9	8,007.8	7,974.8	12.8	23.2	89.74	-82.4	585.3	490.0	455.0	34.96	14.016	
8,000.0	7,994.9	8,027.8	7,994.8	12.8	23.2	89.74	-82.4	585.3	490.0	455.0	34.98	14.007	
8,075.0	8,069.9	8,102.8	8,069.8	12.8	23.2	89.74	-82.4	585.3	490.0	454.9	35.07	13.973	
8,100.0	8,094.9	8,127.8	8,094.8	12.9	23.2	89.74	-82.4	585.3	490.0	454.9	35.10	13.961	
8,170.0	8,164.9	8,197.8	8,164.8	12.9	23.2	89.74	-82.4	585.3	490.0	454.8	35.18	13.930	
8,200.0	8,194.9	8,227.8	8,194.8	12.9	23.2	89.74	-82.4	585.3	490.0	454.8	35.21	13.916	
8,265.0	8,259.9	8,292.8	8,259.8	13.0	23.3	89.74	-82.4	585.3	490.0	454.7	35.28	13.887	
8,300.0	8,294.9	8,327.8	8,294.8	13.0	23.3	89.74	-82.4	585.3	490.0	454.7	35.32	13.871	
8,360.0	8,354.9	8,387.8	8,354.8	13.0	23.3	89.74	-82.4	585.3	490.0	454.6	35.39	13.844	
8,400.0	8,394.9	8,427.8	8,394.8	13.1	23.3	89.74	-82.4	585.3	490.0	454.6	35.44	13.826	
8,455.0	8,449.9	8,482.8	8,449.8	13.1	23.3	89.74	-82.4	585.3	490.0	454.5	35.50	13.802	
8,500.0	8,494.9	8,527.8	8,494.8	13.2	23.3	89.74	-82.4	585.3	490.0	454.4	35.55	13.782	
8,550.0	8,544.9	8,577.8	8,544.8	13.2	23.4	89.74	-82.4	585.3	490.0	454.4	35.61	13.760	
8,600.0	8,594.9	8,627.8	8,594.8	13.2	23.4	89.74	-82.4	585.3	490.0	454.3	35.67	13.737	
8,645.0	8,639.9	8,672.8	8,639.8	13.3	23.4	89.74	-82.4	585.3	490.0	454.3	35.72	13.717	
8,700.0	8,694.9	8,727.8	8,694.8	13.3	23.4	89.74	-82.4	585.3	490.0	454.2	35.78	13.693	
8,740.0	8,734.9	8,767.8	8,734.8	13.3	23.4	89.74	-82.4	585.3	490.0	454.2	35.83	13.676	
8,800.0	8,794.9	8,827.8	8,794.8	13.4	23.4	89.74	-82.4	585.3	490.0	454.1	35.90	13.649	
8,835.0	8,829.9	8,862.8	8,829.8	13.4	23.5	89.74	-82.4	585.3	490.0	454.1	35.94	13.634	
8,900.0	8,894.9	8,927.8	8,894.8	13.5	23.5	89.74	-82.4	585.3	490.0	454.0	36.02	13.605	
8,930.0	8,924.9	8,957.8	8,924.8	13.5	23.5	89.74	-82.4	585.3	490.0	453.9	36.05	13.592	
9,000.0	8,994.9	9,027.8	8,994.8	13.5	23.5	89.74	-82.4	585.3	490.0	453.9	36.13	13.562	
9,025.0	9,019.9	9,052.8	9,019.8	13.6	23.5	89.74	-82.4	585.3	490.0	453.8	36.16	13.551	
9,100.0	9,094.9	9,127.8	9,094.8	13.6	23.6	89.74	-82.4	585.3	490.0	453.7	36.25	13.518	
9,120.0	9,114.9	9,147.8	9,114.8	13.6	23.6	89.74	-82.4	585.3	490.0	453.7	36.27	13.510	
9,200.0	9,194.9	9,227.8	9,194.8	13.7	23.6	89.74	-82.4	585.3	490.0	453.6	36.36	13.475	
9,215.0	9,209.9	9,242.8	9,209.8	13.7	23.6	89.74	-82.4	585.3	490.0	453.6	36.38	13.468	
9,300.0	9,294.9	9,327.8	9,294.8	13.8	23.6	89.74	-82.4	585.3	490.0	453.5	36.48	13.432	
9,310.0	9,304.9	9,337.8	9,304.8	13.8	23.6	89.74	-82.4	585.3	490.0	453.5	36.49	13.428	
9,400.0	9,394.9	9,427.8	9,394.8	13.8	23.7	89.74	-82.4	585.3	490.0	453.4	36.60	13.389	
9,405.0	9,399.9	9,432.8	9,399.8	13.8	23.7	89.74	-82.4	585.3	490.0	453.4	36.60	13.387	
9,500.0	9,494.9	9,527.8	9,494.8	13.9	23.7	89.74	-82.4	585.3	490.0	453.3	36.71	13.346	
9,595.0	9,589.9	9,622.8	9,589.8	14.0	23.7	89.74	-82.4	585.3	490.0	453.2	36.83	13.306	
9,600.0	9,594.9	9,627.8	9,594.8	14.0	23.7	89.74	-82.4	585.3	490.0	453.2	36.83	13.304	
9,690.0	9,684.9	9,717.8	9,684.8	14.1	23.8	89.74	-82.4	585.3	490.0	453.1	36.94	13.266	
9,700.0	9,694.9	9,727.8	9,694.8	14.1	23.8	89.74	-82.4	585.3	490.0	453.0	36.95	13.261	
9,736.1	9,731.0	9,764.0	9,730.9	14.1	23.8	89.74	-82.4	585.3	490.0	453.0	36.97	13.253	
9,750.0	9,744.9	9,777.8	9,744.8	14.1	23.8	89.89	-82.4	585.3	490.0	453.0	36.98	13.250	
9,771.5	9,766.3	9,799.3	9,766.2	14.1	23.8	90.00	-82.4	585.3	490.0	453.0	37.00	13.243	
9,785.0	9,779.9	9,812.8	9,779.8	14.1	23.8	90.12	-82.4	585.3	490.0	453.0	37.02	13.237	
9,800.0	9,794.8	9,827.7	9,794.7	14.1	23.8	90.29	-82.4	585.3	490.0	453.0	37.04	13.230	
9,850.0	9,844.2	9,877.1	9,844.1	14.2	23.8	91.17	-82.4	585.3	490.1	453.0	37.12	13.203	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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	9,873.4	9,906.3	9,873.3	14.2	23.8	91.91	-82.4	585.3	490.3	453.1	37.18	13.186	
9,900.0	9,892.7	9,925.6	9,892.6	14.2	23.8	92.49	-82.4	585.3	490.5	453.3	37.23	13.176	
9,950.0	9,940.0	9,972.9	9,939.9	14.3	23.9	94.17	-82.4	585.3	491.5	454.2	37.34	13.163	
9,975.0	9,963.1	9,998.0	9,964.9	14.3	23.9	95.16	-81.9	585.3	492.3	454.9	37.38	13.169	
10,000.0	9,985.7	10,023.6	9,990.5	14.4	23.8	96.15	-80.2	585.3	493.3	455.8	37.41	13.185	
10,050.0	10,029.4	10,076.2	10,042.6	14.4	23.8	98.11	-73.3	585.3	495.7	458.2	37.43	13.241	
10,070.0	10,046.3	10,097.8	10,063.8	14.5	23.8	98.89	-69.1	585.3	496.8	459.4	37.43	13.273	
10,100.0	10,070.9	10,130.9	10,095.9	14.5	23.8	100.04	-61.0	585.3	498.7	461.3	37.41	13.330	
10,150.0	10,109.9	10,187.9	10,149.9	14.6	23.8	101.93	-42.9	585.2	502.2	464.9	37.35	13.445	
10,165.0	10,121.0	10,205.4	10,166.2	14.6	23.8	102.48	-36.3	585.2	503.4	466.0	37.33	13.483	
10,200.0	10,145.9	10,247.3	10,204.0	14.7	23.8	103.75	-18.4	585.2	506.2	468.9	37.28	13.579	
10,250.0	10,178.7	10,309.3	10,257.5	14.7	23.8	105.50	12.9	585.1	510.4	473.2	37.19	13.724	
10,260.0	10,184.9	10,322.0	10,268.0	14.7	23.8	105.83	20.1	585.1	511.2	474.1	37.17	13.753	
10,300.0	10,208.2	10,374.1	10,309.3	14.8	23.8	107.14	51.7	585.0	514.7	477.6	37.11	13.869	
10,350.0	10,234.0	10,441.6	10,358.4	14.9	23.8	108.65	98.0	584.9	518.9	481.9	37.06	14.004	
10,355.0	10,236.4	10,448.5	10,363.1	14.9	23.8	108.79	103.1	584.9	519.4	482.3	37.05	14.017	
10,400.0	10,256.0	10,511.9	10,403.3	14.9	23.8	109.99	152.1	584.8	522.9	485.9	37.03	14.123	
10,450.0	10,274.0	10,584.8	10,442.5	15.0	23.8	111.14	213.5	584.6	526.5	489.5	37.03	14.220	
10,500.0	10,287.9	10,660.0	10,474.5	15.0	23.9	112.07	281.5	584.5	529.4	492.4	37.04	14.292	
10,545.0	10,296.8	10,729.3	10,495.8	15.1	23.9	112.68	347.3	584.3	531.4	494.3	37.06	14.338	
10,550.0	10,297.5	10,737.0	10,497.7	15.1	23.9	112.73	354.9	584.3	531.6	494.5	37.06	14.342	
10,600.0	10,302.9	10,815.4	10,511.0	15.1	24.0	113.12	432.0	584.1	532.8	495.8	37.08	14.371	
10,634.6	10,304.0	10,870.0	10,514.0	15.2	24.0	113.21	486.5	584.0	533.1	496.1	37.07	14.384	
10,640.0	10,304.0	10,876.1	10,514.0	15.2	24.0	113.21	492.6	584.0	533.1	496.1	37.07	14.381	
10,700.0	10,304.2	10,936.1	10,514.2	15.2	24.1	113.21	552.6	583.9	533.2	495.9	37.23	14.321	
10,735.0	10,304.3	10,971.1	10,514.3	15.3	24.1	113.22	587.6	583.8	533.2	495.8	37.35	14.274	
10,800.0	10,304.4	11,036.1	10,514.6	15.3	24.2	113.22	652.6	583.6	533.2	495.6	37.59	14.185	
10,830.0	10,304.5	11,066.1	10,514.7	15.4	24.3	113.22	682.6	583.6	533.2	495.5	37.71	14.140	
10,900.0	10,304.7	11,136.1	10,514.9	15.5	24.4	113.23	752.6	583.4	533.2	495.2	38.00	14.031	
10,925.0	10,304.8	11,161.1	10,515.0	15.5	24.4	113.23	777.6	583.4	533.2	495.1	38.12	13.988	
11,000.0	10,305.0	11,236.1	10,515.3	15.7	24.5	113.24	852.6	583.2	533.3	494.8	38.48	13.859	
11,020.0	10,305.0	11,256.1	10,515.3	15.7	24.5	113.24	872.6	583.1	533.3	494.7	38.58	13.822	
11,100.0	10,305.2	11,336.1	10,515.6	15.9	24.7	113.25	952.6	583.0	533.3	494.3	39.01	13.672	
11,115.0	10,305.3	11,351.1	10,515.7	16.0	24.7	113.25	967.6	582.9	533.3	494.2	39.09	13.642	
11,200.0	10,305.5	11,436.1	10,516.0	16.2	24.9	113.26	1,052.6	582.7	533.3	493.7	39.59	13.473	
11,210.0	10,305.5	11,446.1	10,516.0	16.3	24.9	113.26	1,062.6	582.7	533.3	493.7	39.65	13.452	
11,300.0	10,305.8	11,536.1	10,516.3	16.6	25.1	113.26	1,152.6	582.5	533.4	493.1	40.21	13.263	
11,305.0	10,305.8	11,541.1	10,516.3	16.6	25.1	113.27	1,157.6	582.5	533.4	493.1	40.25	13.252	
11,400.0	10,306.0	11,636.1	10,516.7	17.0	25.4	113.27	1,252.6	582.3	533.4	492.5	40.89	13.044	
11,495.0	10,306.3	11,731.1	10,517.0	17.4	25.6	113.28	1,347.6	582.1	533.4	491.9	41.58	12.830	
11,500.0	10,306.3	11,736.1	10,517.0	17.4	25.6	113.28	1,352.6	582.1	533.4	491.8	41.61	12.819	
11,590.0	10,306.5	11,826.1	10,517.3	17.8	25.9	113.29	1,442.6	581.9	533.5	491.2	42.30	12.612	
11,600.0	10,306.6	11,836.1	10,517.4	17.9	25.9	113.29	1,452.6	581.8	533.5	491.1	42.38	12.589	
11,685.0	10,306.8	11,921.1	10,517.7	18.3	26.2	113.30	1,537.6	581.6	533.5	490.4	43.06	12.390	
11,700.0	10,306.8	11,936.1	10,517.7	18.4	26.2	113.30	1,552.6	581.6	533.5	490.3	43.18	12.355	
11,780.0	10,307.0	12,016.1	10,518.0	18.8	26.5	113.31	1,632.6	581.4	533.5	489.7	43.85	12.167	
11,800.0	10,307.1	12,036.1	10,518.1	18.9	26.5	113.31	1,652.6	581.4	533.5	489.5	44.02	12.120	
11,875.0	10,307.3	12,111.1	10,518.3	19.3	26.8	113.31	1,727.6	581.2	533.6	488.9	44.67	11.943	
11,900.0	10,307.4	12,136.1	10,518.4	19.4	26.9	113.32	1,752.6	581.1	533.6	488.7	44.90	11.884	
11,970.0	10,307.5	12,206.1	10,518.7	19.8	27.1	113.32	1,822.6	581.0	533.6	488.1	45.53	11.719	
12,000.0	10,307.6	12,236.1	10,518.8	19.9	27.2	113.32	1,852.6	580.9	533.6	487.8	45.81	11.649	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
12,065.0	10,307.8	12,301.1	10,519.0	20.3	27.5	113.33	1,917.6	580.8	533.6	487.2	46.42	11.496	
12,100.0	10,307.9	12,336.1	10,519.1	20.5	27.6	113.33	1,952.6	580.7	533.6	486.9	46.75	11.415	
12,160.0	10,308.0	12,396.1	10,519.3	20.8	27.8	113.34	2,012.6	580.6	533.7	486.3	47.33	11.275	
12,200.0	10,308.1	12,436.1	10,519.5	21.1	28.0	113.34	2,052.6	580.5	533.7	485.9	47.72	11.183	
12,255.0	10,308.3	12,491.1	10,519.7	21.4	28.2	113.35	2,107.6	580.3	533.7	485.4	48.27	11.057	
12,300.0	10,308.4	12,536.1	10,519.8	21.7	28.4	113.35	2,152.6	580.2	533.7	485.0	48.72	10.954	
12,350.0	10,308.5	12,586.1	10,520.0	22.0	28.6	113.35	2,202.6	580.1	533.7	484.5	49.23	10.841	
12,400.0	10,308.7	12,636.1	10,520.2	22.3	28.8	113.36	2,252.6	580.0	533.7	484.0	49.75	10.729	
12,445.0	10,308.8	12,681.1	10,520.3	22.5	29.0	113.36	2,297.6	579.9	533.7	483.5	50.22	10.629	
12,500.0	10,308.9	12,736.1	10,520.5	22.9	29.2	113.37	2,352.6	579.8	533.8	483.0	50.80	10.508	
12,540.0	10,309.1	12,776.1	10,520.7	23.1	29.4	113.37	2,392.6	579.7	533.8	482.6	51.23	10.420	
12,600.0	10,309.2	12,836.1	10,520.9	23.5	29.7	113.37	2,452.6	579.6	533.8	481.9	51.87	10.291	
12,635.0	10,309.3	12,871.1	10,521.0	23.7	29.8	113.38	2,487.6	579.5	533.8	481.6	52.25	10.216	
12,700.0	10,309.5	12,936.1	10,521.2	24.1	30.1	113.38	2,552.6	579.3	533.8	480.9	52.97	10.078	
12,730.0	10,309.6	12,966.1	10,521.3	24.3	30.3	113.39	2,582.6	579.3	533.8	480.5	53.30	10.015	
12,800.0	10,309.7	13,036.1	10,521.6	24.7	30.6	113.39	2,652.6	579.1	533.9	479.8	54.09	9.871	
12,825.0	10,309.8	13,061.1	10,521.7	24.9	30.7	113.39	2,677.6	579.1	533.9	479.5	54.37	9.820	
12,900.0	10,310.0	13,136.1	10,521.9	25.4	31.1	113.40	2,752.6	578.9	533.9	478.7	55.22	9.668	
12,920.0	10,310.1	13,156.1	10,522.0	25.5	31.2	113.40	2,772.6	578.8	533.9	478.5	55.45	9.628	
13,000.0	10,310.3	13,236.1	10,522.3	26.0	31.6	113.41	2,852.6	578.7	533.9	477.6	56.38	9.471	
13,015.0	10,310.3	13,251.1	10,522.3	26.1	31.7	113.41	2,867.6	578.6	533.9	477.4	56.55	9.442	
13,100.0	10,310.5	13,336.1	10,522.6	26.7	32.1	113.42	2,952.6	578.4	534.0	476.4	57.55	9.279	
13,110.0	10,310.6	13,346.1	10,522.7	26.8	32.1	113.42	2,962.6	578.4	534.0	476.3	57.67	9.260	
13,200.0	10,310.8	13,436.1	10,523.0	27.3	32.6	113.42	3,052.6	578.2	534.0	475.3	58.74	9.092	
13,205.0	10,310.8	13,441.1	10,523.0	27.4	32.6	113.43	3,057.6	578.2	534.0	475.2	58.80	9.083	
13,300.0	10,311.1	13,536.1	10,523.3	28.0	33.1	113.43	3,152.6	578.0	534.0	474.1	59.94	8.910	
13,395.0	10,311.3	13,631.1	10,523.7	28.7	33.6	113.44	3,247.6	577.8	534.1	473.0	61.09	8.742	
13,400.0	10,311.3	13,636.1	10,523.7	28.7	33.6	113.44	3,252.6	577.7	534.1	472.9	61.16	8.733	
13,490.0	10,311.6	13,726.1	10,524.0	29.3	34.1	113.45	3,342.6	577.5	534.1	471.8	62.26	8.578	
13,500.0	10,311.6	13,736.1	10,524.0	29.4	34.2	113.45	3,352.6	577.5	534.1	471.7	62.39	8.561	
13,585.0	10,311.8	13,821.1	10,524.3	29.9	34.6	113.46	3,437.6	577.3	534.1	470.7	63.44	8.419	
13,600.0	10,311.9	13,836.1	10,524.4	30.0	34.7	113.46	3,452.6	577.3	534.1	470.5	63.63	8.394	
13,680.0	10,312.1	13,916.1	10,524.7	30.6	35.2	113.47	3,532.6	577.1	534.2	469.5	64.63	8.265	
13,700.0	10,312.1	13,936.1	10,524.7	30.7	35.3	113.47	3,552.6	577.1	534.2	469.3	64.89	8.233	
13,775.0	10,312.3	14,011.1	10,525.0	31.2	35.7	113.47	3,627.6	576.9	534.2	468.4	65.84	8.114	
13,800.0	10,312.4	14,036.1	10,525.1	31.4	35.8	113.48	3,652.6	576.8	534.2	468.1	66.15	8.075	
13,870.0	10,312.6	14,106.1	10,525.3	31.9	36.2	113.48	3,722.6	576.7	534.2	467.2	67.05	7.968	
13,900.0	10,312.7	14,136.1	10,525.4	32.1	36.4	113.48	3,752.6	576.6	534.2	466.8	67.43	7.923	
13,965.0	10,312.8	14,201.1	10,525.7	32.6	36.8	113.49	3,817.6	576.5	534.3	466.0	68.27	7.826	
14,000.0	10,312.9	14,236.1	10,525.8	32.8	37.0	113.49	3,852.6	576.4	534.3	465.6	68.72	7.775	
14,060.0	10,313.1	14,296.1	10,526.0	33.2	37.3	113.50	3,912.6	576.2	534.3	464.8	69.50	7.688	
14,100.0	10,313.2	14,336.1	10,526.1	33.5	37.6	113.50	3,952.6	576.2	534.3	464.3	70.02	7.631	
14,155.0	10,313.3	14,391.1	10,526.3	33.9	37.9	113.51	4,007.6	576.0	534.3	463.6	70.74	7.554	
14,200.0	10,313.5	14,436.1	10,526.5	34.2	38.2	113.51	4,052.6	575.9	534.3	463.0	71.32	7.492	
14,250.0	10,313.6	14,486.1	10,526.7	34.6	38.5	113.51	4,102.6	575.8	534.4	462.4	71.98	7.424	
14,300.0	10,313.7	14,536.1	10,526.8	34.9	38.8	113.52	4,152.6	575.7	534.4	461.7	72.64	7.356	
14,345.0	10,313.8	14,581.1	10,527.0	35.2	39.0	113.52	4,197.6	575.6	534.4	461.2	73.24	7.297	
14,400.0	10,314.0	14,636.1	10,527.2	35.6	39.4	113.53	4,252.6	575.5	534.4	460.4	73.96	7.225	
14,440.0	10,314.1	14,676.1	10,527.3	35.9	39.6	113.53	4,292.6	575.4	534.4	459.9	74.50	7.174	
14,500.0	10,314.2	14,736.1	10,527.5	36.3	40.0	113.53	4,352.6	575.3	534.4	459.2	75.30	7.098	
14,535.0	10,314.3	14,771.1	10,527.7	36.6	40.2	113.54	4,387.6	575.2	534.5	458.7	75.76	7.054	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
14,600.0	10,314.5	14,836.1	10,527.9	37.0	40.6	113.54	4,452.6	575.0	534.5	457.8	76.64	6.974	
14,630.0	10,314.6	14,866.1	10,528.0	37.2	40.8	113.55	4,482.6	575.0	534.5	457.5	77.04	6.938	
14,700.0	10,314.8	14,936.1	10,528.2	37.7	41.2	113.55	4,552.6	574.8	534.5	456.5	77.98	6.854	
14,725.0	10,314.8	14,961.1	10,528.3	37.9	41.4	113.55	4,577.6	574.7	534.5	456.2	78.32	6.825	
14,800.0	10,315.0	15,036.1	10,528.6	38.5	41.8	113.56	4,652.6	574.6	534.5	455.2	79.33	6.738	
14,820.0	10,315.1	15,056.1	10,528.7	38.6	42.0	113.56	4,672.6	574.5	534.6	455.0	79.61	6.715	
14,900.0	10,315.3	15,136.1	10,529.0	39.2	42.5	113.57	4,752.6	574.3	534.6	453.9	80.69	6.625	
14,915.0	10,315.3	15,151.1	10,529.0	39.3	42.5	113.57	4,767.6	574.3	534.6	453.7	80.90	6.608	
15,000.0	10,315.6	15,236.1	10,529.3	39.9	43.1	113.58	4,852.6	574.1	534.6	452.6	82.06	6.515	
15,010.0	10,315.6	15,246.1	10,529.3	40.0	43.1	113.58	4,862.6	574.1	534.6	452.4	82.20	6.504	
15,100.0	10,315.8	15,336.1	10,529.7	40.6	43.7	113.58	4,952.6	573.9	534.7	451.2	83.43	6.408	
15,105.0	10,315.8	15,341.1	10,529.7	40.6	43.8	113.59	4,957.6	573.9	534.7	451.2	83.50	6.403	
15,200.0	10,316.1	15,436.1	10,530.0	41.3	44.4	113.59	5,052.6	573.7	534.7	449.9	84.81	6.305	
15,295.0	10,316.4	15,531.1	10,530.3	42.0	45.0	113.60	5,147.6	573.4	534.7	448.6	86.12	6.209	
15,300.0	10,316.4	15,536.1	10,530.4	42.1	45.0	113.60	5,152.6	573.4	534.7	448.5	86.19	6.204	
15,390.0	10,316.6	15,626.1	10,530.7	42.7	45.6	113.61	5,242.6	573.2	534.8	447.3	87.44	6.116	
15,400.0	10,316.6	15,636.1	10,530.7	42.8	45.7	113.61	5,252.6	573.2	534.8	447.2	87.57	6.106	
15,485.0	10,316.9	15,721.1	10,531.0	43.4	46.2	113.62	5,337.6	573.0	534.8	446.0	88.76	6.025	
15,500.0	10,316.9	15,736.1	10,531.1	43.5	46.3	113.62	5,352.6	573.0	534.8	445.8	88.97	6.011	
15,580.0	10,317.1	15,816.1	10,531.3	44.1	46.8	113.63	5,432.6	572.8	534.8	444.7	90.08	5.937	
15,600.0	10,317.2	15,836.1	10,531.4	44.2	47.0	113.63	5,452.6	572.8	534.8	444.5	90.36	5.919	
15,675.0	10,317.4	15,911.1	10,531.7	44.8	47.4	113.63	5,527.6	572.6	534.8	443.4	91.41	5.851	
15,700.0	10,317.4	15,936.1	10,531.8	45.0	47.6	113.64	5,552.6	572.5	534.9	443.1	91.76	5.829	
15,770.0	10,317.6	16,006.1	10,532.0	45.5	48.1	113.64	5,622.6	572.4	534.9	442.1	92.74	5.767	
15,800.0	10,317.7	16,036.1	10,532.1	45.7	48.3	113.64	5,652.6	572.3	534.9	441.7	93.17	5.741	
15,865.0	10,317.9	16,101.1	10,532.3	46.2	48.7	113.65	5,717.6	572.2	534.9	440.8	94.08	5.686	
15,900.0	10,318.0	16,136.1	10,532.5	46.4	48.9	113.65	5,752.6	572.1	534.9	440.4	94.57	5.656	
15,960.0	10,318.1	16,196.1	10,532.7	46.9	49.3	113.66	5,812.6	571.9	534.9	439.5	95.42	5.606	
16,000.0	10,318.2	16,236.1	10,532.8	47.1	49.6	113.66	5,852.6	571.9	535.0	439.0	95.99	5.573	
16,055.0	10,318.4	16,291.1	10,533.0	47.6	50.0	113.66	5,907.6	571.7	535.0	438.2	96.76	5.529	
16,100.0	10,318.5	16,336.1	10,533.2	47.9	50.3	113.67	5,952.6	571.6	535.0	437.6	97.40	5.493	
16,150.0	10,318.6	16,386.1	10,533.3	48.2	50.6	113.67	6,002.6	571.5	535.0	436.9	98.11	5.453	
16,200.0	10,318.8	16,436.1	10,533.5	48.6	50.9	113.68	6,052.6	571.4	535.0	436.2	98.82	5.414	
16,245.0	10,318.9	16,481.1	10,533.7	48.9	51.2	113.68	6,097.6	571.3	535.0	435.6	99.46	5.379	
16,300.0	10,319.0	16,536.1	10,533.9	49.3	51.6	113.69	6,152.6	571.2	535.1	434.8	100.24	5.338	
16,340.0	10,319.1	16,576.1	10,534.0	49.6	51.9	113.69	6,192.6	571.1	535.1	434.3	100.81	5.308	
16,400.0	10,319.3	16,636.1	10,534.2	50.1	52.3	113.69	6,252.6	570.9	535.1	433.4	101.67	5.263	
16,435.0	10,319.4	16,671.1	10,534.3	50.3	52.5	113.70	6,287.6	570.9	535.1	432.9	102.17	5.237	
16,500.0	10,319.5	16,736.1	10,534.6	50.8	53.0	113.70	6,352.6	570.7	535.1	432.0	103.10	5.190	
16,530.0	10,319.6	16,766.1	10,534.7	51.0	53.2	113.70	6,382.6	570.6	535.1	431.6	103.53	5.169	
16,600.0	10,319.8	16,836.1	10,534.9	51.6	53.7	113.71	6,452.6	570.5	535.2	430.6	104.53	5.120	
16,625.0	10,319.9	16,861.1	10,535.0	51.7	53.8	113.71	6,477.6	570.4	535.2	430.3	104.89	5.102	
16,700.0	10,320.1	16,936.1	10,535.3	52.3	54.3	113.72	6,552.6	570.3	535.2	429.2	105.97	5.051	
16,720.0	10,320.1	16,956.1	10,535.3	52.4	54.5	113.72	6,572.6	570.2	535.2	429.0	106.25	5.037	
16,800.0	10,320.3	17,036.1	10,535.6	53.0	55.0	113.73	6,652.6	570.0	535.2	427.8	107.40	4.983	
16,815.0	10,320.4	17,051.1	10,535.7	53.1	55.1	113.73	6,667.6	570.0	535.2	427.6	107.62	4.974	
16,900.0	10,320.6	17,136.1	10,536.0	53.8	55.7	113.74	6,752.6	569.8	535.3	426.4	108.84	4.918	
16,910.0	10,320.6	17,146.1	10,536.0	53.8	55.8	113.74	6,762.6	569.8	535.3	426.3	108.99	4.911	
17,000.0	10,320.9	17,236.1	10,536.3	54.5	56.4	113.74	6,852.6	569.6	535.3	425.0	110.28	4.854	
17,005.0	10,320.9	17,241.1	10,536.3	54.5	56.4	113.74	6,857.6	569.6	535.3	424.9	110.36	4.851	
17,100.0	10,321.1	17,336.1	10,536.7	55.3	57.1	113.75	6,952.6	569.4	535.3	423.6	111.73	4.791	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
17,195.0	10,321.4	17,431.1	10,537.0	56.0	57.8	113.76	7,047.6	569.1	535.4	422.3	113.10	4.733	
17,200.0	10,321.4	17,436.1	10,537.0	56.0	57.8	113.76	7,052.6	569.1	535.4	422.2	113.18	4.730	
17,290.0	10,321.6	17,526.1	10,537.3	56.7	58.4	113.77	7,142.6	568.9	535.4	420.9	114.48	4.677	
17,300.0	10,321.7	17,536.1	10,537.4	56.7	58.5	113.77	7,152.6	568.9	535.4	420.8	114.63	4.671	
17,385.0	10,321.9	17,621.1	10,537.7	57.4	59.1	113.78	7,237.6	568.7	535.4	419.6	115.86	4.621	
17,400.0	10,321.9	17,636.1	10,537.7	57.5	59.2	113.78	7,252.6	568.7	535.4	419.4	116.08	4.613	
17,480.0	10,322.1	17,716.1	10,538.0	58.1	59.7	113.78	7,332.6	568.5	535.5	418.2	117.24	4.567	
17,500.0	10,322.2	17,736.1	10,538.1	58.2	59.9	113.79	7,352.6	568.4	535.5	417.9	117.53	4.556	
17,575.0	10,322.4	17,811.1	10,538.3	58.8	60.4	113.79	7,427.6	568.3	535.5	416.9	118.62	4.514	
17,600.0	10,322.5	17,836.1	10,538.4	59.0	60.6	113.79	7,452.6	568.2	535.5	416.5	118.99	4.501	
17,670.0	10,322.6	17,906.1	10,538.7	59.5	61.1	113.80	7,522.6	568.1	535.5	415.5	120.01	4.463	
17,700.0	10,322.7	17,936.1	10,538.8	59.7	61.3	113.80	7,552.6	568.0	535.5	415.1	120.44	4.446	
17,765.0	10,322.9	18,001.1	10,539.0	60.2	61.7	113.81	7,617.6	567.8	535.6	414.2	121.39	4.412	
17,800.0	10,323.0	18,036.1	10,539.1	60.5	62.0	113.81	7,652.6	567.8	535.6	413.7	121.90	4.394	
17,860.0	10,323.2	18,096.1	10,539.3	60.9	62.4	113.82	7,712.6	567.6	535.6	412.8	122.78	4.362	
17,900.0	10,323.3	18,136.1	10,539.5	61.2	62.7	113.82	7,752.6	567.5	535.6	412.3	123.36	4.342	
17,955.0	10,323.4	18,191.1	10,539.7	61.6	63.1	113.82	7,807.6	567.4	535.6	411.5	124.17	4.314	
18,000.0	10,323.5	18,236.1	10,539.8	61.9	63.4	113.83	7,852.6	567.3	535.6	410.8	124.83	4.291	
18,050.0	10,323.7	18,286.1	10,540.0	62.3	63.8	113.83	7,902.6	567.2	535.7	410.1	125.56	4.266	
18,100.0	10,323.8	18,336.1	10,540.2	62.7	64.1	113.84	7,952.6	567.1	535.7	409.4	126.29	4.242	
18,145.0	10,323.9	18,381.1	10,540.3	63.0	64.4	113.84	7,997.6	567.0	535.7	408.7	126.95	4.220	
18,200.0	10,324.1	18,436.1	10,540.5	63.4	64.8	113.84	8,052.6	566.9	535.7	408.0	127.76	4.193	
18,240.0	10,324.2	18,476.1	10,540.7	63.7	65.1	113.85	8,092.6	566.8	535.7	407.4	128.34	4.174	
18,300.0	10,324.3	18,536.1	10,540.9	64.2	65.5	113.85	8,152.6	566.6	535.8	406.5	129.22	4.146	
18,335.0	10,324.4	18,571.1	10,541.0	64.4	65.8	113.86	8,187.6	566.6	535.8	406.0	129.74	4.130	
18,400.0	10,324.6	18,636.1	10,541.2	64.9	66.2	113.86	8,252.6	566.4	535.8	405.1	130.69	4.100	
18,430.0	10,324.7	18,666.1	10,541.3	65.2	66.4	113.86	8,282.6	566.3	535.8	404.7	131.13	4.086	
18,500.0	10,324.8	18,736.1	10,541.6	65.7	66.9	113.87	8,352.6	566.2	535.8	403.7	132.16	4.054	
18,525.0	10,324.9	18,761.1	10,541.7	65.9	67.1	113.87	8,377.6	566.1	535.8	403.3	132.53	4.043	
18,600.0	10,325.1	18,836.1	10,541.9	66.4	67.7	113.88	8,452.6	566.0	535.9	402.2	133.64	4.010	
18,620.0	10,325.2	18,856.1	10,542.0	66.6	67.8	113.88	8,472.6	565.9	535.9	401.9	133.93	4.001	
18,700.0	10,325.4	18,936.1	10,542.3	67.2	68.4	113.89	8,552.6	565.7	535.9	400.8	135.11	3.966	
18,715.0	10,325.4	18,951.1	10,542.3	67.3	68.5	113.89	8,567.6	565.7	535.9	400.6	135.33	3.960	
18,800.0	10,325.6	19,036.1	10,542.6	67.9	69.1	113.89	8,652.6	565.5	535.9	399.3	136.58	3.924	
18,810.0	10,325.7	19,046.1	10,542.7	68.0	69.2	113.90	8,662.6	565.5	535.9	399.2	136.73	3.920	
18,900.0	10,325.9	19,136.1	10,543.0	68.7	69.8	113.90	8,752.6	565.3	536.0	397.9	138.06	3.882	
18,905.0	10,325.9	19,141.1	10,543.0	68.7	69.8	113.90	8,757.6	565.3	536.0	397.8	138.13	3.880	
19,000.0	10,326.2	19,236.1	10,543.3	69.4	70.5	113.91	8,852.6	565.0	536.0	396.5	139.54	3.841	
19,095.0	10,326.4	19,331.1	10,543.7	70.1	71.2	113.92	8,947.6	564.8	536.0	395.1	140.94	3.803	
19,100.0	10,326.4	19,336.1	10,543.7	70.2	71.2	113.92	8,952.6	564.8	536.0	395.0	141.02	3.801	
19,190.0	10,326.7	19,426.1	10,544.0	70.8	71.9	113.93	9,042.6	564.6	536.1	393.7	142.35	3.766	
19,200.0	10,326.7	19,436.1	10,544.0	70.9	72.0	113.93	9,052.6	564.6	536.1	393.6	142.49	3.762	
19,285.0	10,326.9	19,521.1	10,544.3	71.6	72.6	113.94	9,137.6	564.4	536.1	392.3	143.75	3.729	
19,300.0	10,327.0	19,536.1	10,544.4	71.7	72.7	113.94	9,152.6	564.4	536.1	392.1	143.98	3.724	
19,380.0	10,327.2	19,616.1	10,544.7	72.3	73.3	113.94	9,232.6	564.2	536.1	391.0	145.16	3.693	
19,400.0	10,327.2	19,636.1	10,544.7	72.4	73.4	113.95	9,252.6	564.1	536.1	390.7	145.46	3.686	
19,475.0	10,327.4	19,711.1	10,545.0	73.0	73.9	113.95	9,327.6	564.0	536.2	389.6	146.57	3.658	
19,500.0	10,327.5	19,736.1	10,545.1	73.2	74.1	113.95	9,352.6	563.9	536.2	389.2	146.94	3.649	
19,570.0	10,327.7	19,806.1	10,545.3	73.7	74.6	113.96	9,422.6	563.8	536.2	388.2	147.98	3.623	
19,600.0	10,327.8	19,836.1	10,545.4	73.9	74.8	113.96	9,452.6	563.7	536.2	387.8	148.42	3.613	
19,665.0	10,327.9	19,901.1	10,545.7	74.4	75.3	113.97	9,517.6	563.5	536.2	386.8	149.39	3.589	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
19,700.0	10,328.0	19,936.1	10,545.8	74.7	75.6	113.97	9,552.6	563.5	536.2	386.3	149.91	3.577	
19,760.0	10,328.2	19,996.1	10,546.0	75.1	76.0	113.98	9,612.6	563.3	536.3	385.5	150.80	3.556	
19,800.0	10,328.3	20,036.1	10,546.1	75.4	76.3	113.98	9,652.6	563.2	536.3	384.9	151.39	3.542	
19,855.0	10,328.4	20,091.1	10,546.3	75.8	76.7	113.98	9,707.6	563.1	536.3	384.1	152.21	3.523	
19,900.0	10,328.6	20,136.1	10,546.5	76.2	77.0	113.99	9,752.6	563.0	536.3	383.4	152.88	3.508	
19,950.0	10,328.7	20,186.1	10,546.7	76.5	77.4	113.99	9,802.6	562.9	536.3	382.7	153.62	3.491	
20,000.0	10,328.8	20,236.1	10,546.8	76.9	77.7	114.00	9,852.6	562.8	536.3	382.0	154.37	3.474	
20,045.0	10,328.9	20,281.1	10,547.0	77.3	78.1	114.00	9,897.6	562.7	536.4	381.3	155.04	3.460	
20,100.0	10,329.1	20,336.1	10,547.2	77.7	78.5	114.00	9,952.6	562.6	536.4	380.5	155.86	3.441	
20,140.0	10,329.2	20,376.1	10,547.3	78.0	78.8	114.01	9,992.6	562.5	536.4	379.9	156.45	3.428	
20,200.0	10,329.4	20,436.1	10,547.5	78.4	79.2	114.01	10,052.6	562.3	536.4	379.1	157.35	3.409	
20,235.0	10,329.4	20,471.1	10,547.7	78.7	79.5	114.01	10,087.6	562.2	536.4	378.6	157.87	3.398	
20,300.0	10,329.6	20,536.1	10,547.9	79.2	79.9	114.02	10,152.6	562.1	536.4	377.6	158.84	3.377	
20,330.0	10,329.7	20,566.1	10,548.0	79.4	80.1	114.02	10,182.6	562.0	536.5	377.2	159.28	3.368	
20,400.0	10,329.9	20,636.1	10,548.2	79.9	80.7	114.03	10,252.6	561.9	536.5	376.2	160.33	3.346	
20,425.0	10,330.0	20,661.1	10,548.3	80.1	80.8	114.03	10,277.6	561.8	536.5	375.8	160.70	3.338	
20,500.0	10,330.1	20,736.1	10,548.6	80.7	81.4	114.04	10,352.6	561.6	536.5	374.7	161.82	3.316	
20,520.0	10,330.2	20,756.1	10,548.7	80.8	81.5	114.04	10,372.6	561.6	536.5	374.4	162.12	3.309	
20,600.0	10,330.4	20,836.1	10,548.9	81.4	82.1	114.05	10,452.6	561.4	536.5	373.2	163.31	3.285	
20,615.0	10,330.5	20,851.1	10,549.0	81.5	82.2	114.05	10,467.6	561.4	536.6	373.0	163.54	3.281	
20,700.0	10,330.7	20,936.1	10,549.3	82.2	82.8	114.05	10,552.5	561.2	536.6	371.8	164.81	3.256	
20,710.0	10,330.7	20,946.1	10,549.3	82.3	82.9	114.05	10,562.5	561.2	536.6	371.6	164.95	3.253	
20,800.0	10,330.9	21,036.1	10,549.6	82.9	83.6	114.06	10,652.5	561.0	536.6	370.3	166.30	3.227	
20,805.0	10,331.0	21,041.1	10,549.7	83.0	83.6	114.06	10,657.5	561.0	536.6	370.2	166.37	3.225	
20,900.0	10,331.2	21,136.1	10,550.0	83.7	84.3	114.07	10,752.5	560.7	536.7	368.9	167.79	3.198	
20,995.0	10,331.5	21,231.1	10,550.3	84.4	85.0	114.08	10,847.5	560.5	536.7	367.5	169.21	3.172	
21,000.0	10,331.5	21,236.1	10,550.3	84.5	85.0	114.08	10,852.5	560.5	536.7	367.4	169.29	3.170	
21,090.0	10,331.7	21,326.1	10,550.7	85.1	85.7	114.09	10,942.5	560.3	536.7	366.1	170.64	3.145	
21,100.0	10,331.7	21,336.1	10,550.7	85.2	85.8	114.09	10,952.5	560.3	536.7	365.9	170.79	3.143	
21,185.0	10,332.0	21,421.1	10,551.0	85.8	86.4	114.09	11,037.5	560.1	536.8	364.7	172.06	3.120	
21,200.0	10,332.0	21,436.1	10,551.0	86.0	86.5	114.10	11,052.5	560.1	536.8	364.5	172.28	3.116	
21,280.0	10,332.2	21,516.1	10,551.3	86.6	87.1	114.10	11,132.5	559.9	536.8	363.3	173.48	3.094	
21,300.0	10,332.3	21,536.1	10,551.4	86.7	87.2	114.10	11,152.5	559.8	536.8	363.0	173.78	3.089	
21,375.0	10,332.5	21,611.1	10,551.7	87.3	87.8	114.11	11,227.5	559.7	536.8	361.9	174.90	3.069	
21,400.0	10,332.5	21,636.1	10,551.7	87.5	88.0	114.11	11,252.5	559.6	536.8	361.6	175.28	3.063	
21,470.0	10,332.7	21,706.1	10,552.0	88.0	88.5	114.12	11,322.5	559.4	536.9	360.5	176.33	3.045	
21,500.0	10,332.8	21,736.1	10,552.1	88.2	88.7	114.12	11,352.5	559.4	536.9	360.1	176.78	3.037	
21,565.0	10,333.0	21,801.1	10,552.3	88.7	89.2	114.13	11,417.5	559.2	536.9	359.1	177.75	3.020	
21,600.0	10,333.1	21,836.1	10,552.4	89.0	89.4	114.13	11,452.5	559.2	536.9	358.6	178.28	3.012	
21,660.0	10,333.2	21,896.1	10,552.7	89.4	89.9	114.13	11,512.5	559.0	536.9	357.7	179.18	2.997	
21,700.0	10,333.3	21,936.1	10,552.8	89.7	90.2	114.14	11,552.5	558.9	536.9	357.2	179.78	2.987	
21,755.0	10,333.5	21,991.1	10,553.0	90.1	90.6	114.14	11,607.5	558.8	537.0	356.4	180.60	2.973	
21,800.0	10,333.6	22,036.1	10,553.1	90.5	90.9	114.15	11,652.5	558.7	537.0	355.7	181.28	2.962	
21,850.0	10,333.7	22,086.1	10,553.3	90.9	91.3	114.15	11,702.5	558.6	537.0	355.0	182.03	2.950	
21,900.0	10,333.9	22,136.1	10,553.5	91.2	91.6	114.15	11,752.5	558.5	537.0	354.2	182.78	2.938	
21,945.0	10,334.0	22,181.1	10,553.7	91.6	92.0	114.16	11,797.5	558.4	537.0	353.6	183.45	2.927	
22,000.0	10,334.1	22,236.1	10,553.8	92.0	92.4	114.16	11,852.5	558.2	537.0	352.8	184.28	2.914	
22,040.0	10,334.2	22,276.1	10,554.0	92.3	92.7	114.17	11,892.5	558.2	537.1	352.2	184.88	2.905	
22,100.0	10,334.4	22,336.1	10,554.2	92.8	93.1	114.17	11,952.5	558.0	537.1	351.3	185.78	2.891	
22,135.0	10,334.5	22,371.1	10,554.3	93.0	93.4	114.17	11,987.5	557.9	537.1	350.8	186.31	2.883	
22,200.0	10,334.7	22,436.1	10,554.5	93.5	93.9	114.18	12,052.5	557.8	537.1	349.8	187.28	2.868	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #908H - 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, 10872-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
22,230.0	10,334.7	22,466.1	10,554.6	93.7	94.1	114.18	12,082.5	557.7	537.1	349.4	187.73	2.861	
22,300.0	10,334.9	22,536.1	10,554.9	94.3	94.6	114.19	12,152.5	557.6	537.1	348.4	188.78	2.845	
22,325.0	10,335.0	22,561.1	10,555.0	94.5	94.8	114.19	12,177.5	557.5	537.2	348.0	189.16	2.840	
22,330.0	10,335.0	22,566.1	10,555.0	94.5	94.8	114.19	12,182.5	557.5	537.2	347.9	189.23	2.839 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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	0.5	0.5	3.0	3.0	-90.10	0.0	-30.0	30.0				
95.0	95.0	95.5	95.5	3.0	3.0	-90.10	0.0	-30.0	30.0	24.0	6.04	4.972	
100.0	100.0	100.5	100.5	3.0	3.0	-90.10	0.0	-30.0	30.0	24.0	6.04	4.968	
190.0	190.0	190.5	190.5	3.1	3.1	-90.10	0.0	-30.0	30.0	23.8	6.25	4.799	
200.0	200.0	200.5	200.5	3.1	3.1	-90.10	0.0	-30.0	30.0	23.7	6.29	4.774	
285.0	285.0	285.5	285.5	3.3	3.3	-90.10	0.0	-30.0	30.0	23.5	6.48	4.629	
300.0	300.0	300.5	300.5	3.3	3.3	-90.10	0.0	-30.0	30.0	23.5	6.52	4.601	
380.0	380.0	380.5	380.5	3.4	3.4	-90.10	0.0	-30.0	30.0	23.3	6.70	4.477	
400.0	400.0	400.5	400.5	3.4	3.4	-90.10	0.0	-30.0	30.0	23.3	6.75	4.445	
475.0	475.0	475.5	475.5	3.5	3.5	-90.10	0.0	-30.0	30.0	23.1	6.91	4.340	
500.0	500.0	500.5	500.5	3.5	3.5	-90.10	0.0	-30.0	30.0	23.0	6.97	4.305	
570.0	570.0	570.5	570.5	3.6	3.6	-90.10	0.0	-30.0	30.0	22.9	7.12	4.215	
600.0	600.0	600.5	600.5	3.6	3.6	-90.10	0.0	-30.0	30.0	22.8	7.18	4.177	
665.0	665.0	665.5	665.5	3.7	3.7	-90.10	0.0	-30.0	30.0	22.7	7.32	4.101	
700.0	700.0	700.5	700.5	3.8	3.8	-90.10	0.0	-30.0	30.0	22.6	7.39	4.060	
760.0	760.0	760.5	760.5	3.8	3.8	-90.10	0.0	-30.0	30.0	22.5	7.51	3.995	
800.0	800.0	800.5	800.5	3.9	3.9	-90.10	0.0	-30.0	30.0	22.4	7.59	3.952	
855.0	855.0	855.5	855.5	4.0	4.0	-90.10	0.0	-30.0	30.0	22.3	7.70	3.897	
900.0	900.0	900.5	900.5	4.0	4.0	-90.10	0.0	-30.0	30.0	22.2	7.79	3.852	
950.0	950.0	950.5	950.5	4.1	4.1	-90.10	0.0	-30.0	30.0	22.1	7.89	3.805	
1,000.0	1,000.0	1,000.5	1,000.5	4.1	4.1	-90.10	0.0	-30.0	30.0	22.0	7.98	3.759	
1,045.0	1,045.0	1,045.5	1,045.5	4.2	4.2	-90.10	0.0	-30.0	30.0	21.9	8.07	3.720	
1,100.0	1,100.0	1,100.5	1,100.5	4.2	4.2	-90.10	0.0	-30.0	30.0	21.8	8.17	3.673	
1,140.0	1,140.0	1,140.5	1,140.5	4.3	4.3	-90.10	0.0	-30.0	30.0	21.8	8.24	3.641	
1,200.0	1,200.0	1,200.5	1,200.5	4.4	4.4	-90.10	0.0	-30.0	30.0	21.7	8.35	3.593	
1,235.0	1,235.0	1,235.5	1,235.5	4.4	4.4	-90.10	0.0	-30.0	30.0	21.6	8.42	3.566	
1,300.0	1,300.0	1,300.5	1,300.5	4.5	4.5	-90.10	0.0	-30.0	30.0	21.5	8.53	3.517	
1,330.0	1,330.0	1,330.5	1,330.5	4.5	4.5	-90.10	0.0	-30.0	30.0	21.4	8.58	3.496	
1,400.0	1,400.0	1,400.5	1,400.5	4.6	4.6	-90.10	0.0	-30.0	30.0	21.3	8.71	3.446	
1,425.0	1,425.0	1,425.5	1,425.5	4.6	4.6	-90.10	0.0	-30.0	30.0	21.3	8.75	3.430	
1,437.3	1,437.3	1,437.8	1,437.8	4.6	4.6	-90.10	0.0	-30.0	30.0	21.2	8.77	3.421	CC
1,500.0	1,500.0	1,500.0	1,500.0	4.7	4.7	-90.10	0.0	-30.0	30.0	21.1	8.88	3.381	ES
1,520.0	1,520.0	1,520.3	1,520.3	4.7	4.7	138.38	-0.1	-30.1	30.1	21.2	8.95	3.369	
1,600.0	1,600.0	1,599.4	1,599.4	4.9	4.8	139.59	-0.4	-31.7	33.0	23.8	9.21	3.585	
1,615.0	1,615.0	1,614.2	1,614.2	4.9	4.8	139.95	-0.6	-32.2	34.0	24.7	9.28	3.662	
1,700.0	1,699.8	1,697.7	1,697.6	5.1	5.0	142.30	-1.6	-36.6	42.1	32.4	9.71	4.333	
1,710.0	1,709.8	1,707.5	1,707.3	5.1	5.0	142.58	-1.8	-37.3	43.3	33.6	9.74	4.444	
1,749.9	1,749.6	1,746.4	1,746.1	5.2	5.1	143.65	-2.5	-40.3	48.9	39.0	9.89	4.938	
1,800.0	1,799.5	1,795.0	1,794.5	5.2	5.2	144.70	-3.6	-44.8	56.8	46.8	10.08	5.640	
1,805.0	1,804.5	1,800.0	1,799.4	5.2	5.2	144.78	-3.7	-45.3	57.7	47.6	10.10	5.710	
1,900.0	1,899.1	1,893.5	1,892.4	5.4	5.4	145.85	-5.9	-54.8	73.7	63.3	10.49	7.029	
1,995.0	1,993.8	1,987.1	1,985.5	5.6	5.7	146.54	-8.2	-64.3	89.8	78.9	10.91	8.235	
2,000.0	1,998.7	1,992.0	1,990.4	5.6	5.7	146.57	-8.3	-64.8	90.7	79.7	10.93	8.296	
2,090.0	2,088.4	2,080.7	2,078.6	5.9	5.9	147.02	-10.5	-73.8	105.9	94.6	11.35	9.333	
2,100.0	2,098.4	2,090.6	2,088.4	5.9	5.9	147.06	-10.7	-74.8	107.6	96.2	11.40	9.443	
2,185.0	2,183.0	2,174.4	2,171.8	6.1	6.1	147.38	-12.7	-83.3	122.0	110.2	11.81	10.331	
2,200.0	2,198.0	2,189.1	2,186.5	6.1	6.2	147.42	-13.1	-84.8	124.6	112.7	11.89	10.480	
2,280.0	2,277.7	2,268.0	2,264.9	6.4	6.4	147.65	-15.0	-92.9	138.1	125.8	12.29	11.236	
2,300.0	2,297.6	2,287.7	2,284.5	6.4	6.5	147.70	-15.5	-94.9	141.5	129.1	12.40	11.416	
2,375.0	2,372.3	2,361.6	2,358.0	6.6	6.7	147.86	-17.3	-102.4	154.2	141.4	12.79	12.058	
2,400.0	2,397.2	2,386.2	2,382.5	6.7	6.7	147.91	-17.9	-104.9	158.5	145.5	12.92	12.262	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
2,470.0	2,466.9	2,455.2	2,451.1	6.9	7.0	148.04	-19.5	-111.9	170.3	157.0	13.30	12.803	
2,500.0	2,496.8	2,484.8	2,480.5	7.0	7.1	148.08	-20.2	-114.9	175.4	161.9	13.47	13.025	
2,565.0	2,561.6	2,548.8	2,544.2	7.2	7.3	148.18	-21.8	-121.4	186.4	172.6	13.83	13.480	
2,600.0	2,596.5	2,583.3	2,578.5	7.3	7.4	148.23	-22.6	-124.9	192.4	178.3	14.03	13.715	
2,660.0	2,656.2	2,642.5	2,637.3	7.5	7.6	148.30	-24.0	-130.9	202.5	188.2	14.37	14.096	
2,700.0	2,696.1	2,681.9	2,676.5	7.6	7.7	148.35	-25.0	-134.9	209.3	194.7	14.60	14.339	
2,755.0	2,750.9	2,736.1	2,730.4	7.8	7.9	148.40	-26.3	-140.5	218.7	203.7	14.92	14.657	
2,800.0	2,795.7	2,780.4	2,774.5	7.9	8.0	148.45	-27.4	-145.0	226.3	211.1	15.18	14.906	
2,837.2	2,832.8	2,817.1	2,811.0	8.0	8.1	148.48	-28.3	-148.7	232.6	217.2	15.38	15.128	
2,850.0	2,845.5	2,829.7	2,823.5	8.1	8.2	148.50	-28.6	-150.0	234.7	219.3	15.45	15.198	
2,900.0	2,895.3	2,879.0	2,872.6	8.2	8.3	148.55	-29.8	-155.0	243.0	227.2	15.72	15.455	
2,945.0	2,940.2	2,923.5	2,916.8	8.3	8.5	148.54	-30.8	-159.5	250.0	234.0	15.99	15.641	
3,000.0	2,995.1	2,977.9	2,970.9	8.5	8.7	148.48	-32.2	-165.0	258.3	241.9	16.31	15.833	
3,040.0	3,035.0	3,017.4	3,010.2	8.6	8.8	148.40	-33.1	-169.1	264.0	247.4	16.54	15.956	
3,100.0	3,095.0	3,076.9	3,069.3	8.8	9.0	148.22	-34.6	-175.1	272.1	255.2	16.89	16.105	
3,135.0	3,130.0	3,111.6	3,103.9	8.9	9.1	148.09	-35.4	-178.6	276.6	259.5	17.09	16.180	
3,200.0	3,194.9	3,176.1	3,168.0	9.1	9.4	147.80	-37.0	-185.2	284.5	267.0	17.47	16.286	
3,230.0	3,224.9	3,205.9	3,197.6	9.2	9.5	147.65	-37.7	-188.2	287.9	270.3	17.63	16.330	
3,300.0	3,294.9	3,275.4	3,266.8	9.4	9.7	147.23	-39.4	-195.3	295.4	277.4	18.01	16.401	
3,325.0	3,319.9	3,300.3	3,291.5	9.4	9.8	147.07	-40.0	-197.8	297.9	279.8	18.11	16.448	
3,337.1	3,332.0	3,312.3	3,303.5	9.4	9.9	-81.44	-40.2	-199.0	299.1	280.9	18.16	16.468	
3,400.0	3,394.9	3,374.9	3,365.7	9.4	10.1	-81.90	-41.8	-205.4	305.2	286.8	18.39	16.592	
3,420.0	3,414.9	3,394.8	3,385.5	9.4	10.2	-82.04	-42.2	-207.4	307.2	288.7	18.48	16.624	
3,500.0	3,494.9	3,474.3	3,464.6	9.5	10.5	-82.60	-44.2	-215.5	315.0	296.2	18.81	16.747	
3,515.0	3,509.9	3,489.3	3,479.5	9.5	10.5	-82.70	-44.5	-217.0	316.4	297.6	18.87	16.769	
3,600.0	3,594.9	3,573.8	3,563.5	9.6	10.8	-83.25	-46.6	-225.6	324.8	305.5	19.23	16.891	
3,610.0	3,604.9	3,583.7	3,573.4	9.6	10.9	-83.31	-46.8	-226.6	325.7	306.5	19.27	16.905	
3,700.0	3,694.9	3,673.2	3,662.4	9.6	11.2	-83.86	-49.0	-235.7	334.6	315.0	19.65	17.028	
3,705.0	3,699.9	3,678.2	3,667.4	9.6	11.2	-83.89	-49.1	-236.3	335.1	315.4	19.67	17.034	
3,800.0	3,794.9	3,772.7	3,761.3	9.7	11.6	-84.44	-51.4	-245.9	344.5	324.4	20.08	17.156	
3,895.0	3,889.9	3,867.2	3,855.3	9.8	11.9	-84.97	-53.7	-255.5	353.9	333.4	20.49	17.271	
3,900.0	3,894.9	3,872.1	3,860.2	9.8	11.9	-84.99	-53.8	-256.0	354.4	333.9	20.51	17.277	
3,990.0	3,984.9	3,961.7	3,949.3	9.8	12.3	-85.46	-55.9	-265.1	363.3	342.4	20.90	17.380	
4,000.0	3,994.9	3,971.6	3,959.2	9.8	12.3	-85.51	-56.2	-266.1	364.3	343.4	20.95	17.392	
4,085.0	4,079.9	4,056.1	4,043.2	9.9	12.6	-85.93	-58.2	-274.7	372.8	351.5	21.32	17.484	
4,100.0	4,094.9	4,071.0	4,058.1	9.9	12.7	-86.00	-58.6	-276.2	374.3	352.9	21.39	17.500	
4,180.0	4,174.9	4,150.6	4,137.2	10.0	13.0	-86.38	-60.5	-284.3	382.3	360.5	21.74	17.582	
4,200.0	4,194.9	4,170.5	4,157.0	10.0	13.1	-86.47	-61.0	-286.3	384.3	362.5	21.83	17.602	
4,275.0	4,269.9	4,245.1	4,231.2	10.0	13.3	-86.80	-62.8	-293.9	391.8	369.6	22.17	17.676	
4,300.0	4,294.9	4,270.0	4,255.9	10.1	13.4	-86.91	-63.4	-296.4	394.3	372.0	22.28	17.700	
4,370.0	4,364.9	4,339.6	4,325.1	10.1	13.7	-87.20	-65.1	-303.5	401.3	378.7	22.59	17.765	
4,400.0	4,394.9	4,369.4	4,354.8	10.1	13.8	-87.33	-65.8	-306.5	404.3	381.6	22.73	17.792	
4,465.0	4,459.9	4,434.0	4,419.1	10.2	14.1	-87.59	-67.4	-313.1	410.9	387.9	23.02	17.850	
4,500.0	4,494.9	4,468.9	4,453.7	10.2	14.2	-87.73	-68.2	-316.6	414.4	391.2	23.18	17.880	
4,560.0	4,554.9	4,528.5	4,513.0	10.2	14.4	-87.96	-69.7	-322.7	420.4	397.0	23.45	17.930	
4,600.0	4,594.9	4,568.3	4,552.6	10.3	14.6	-88.11	-70.6	-326.8	424.5	400.8	23.63	17.963	
4,655.0	4,649.9	4,623.0	4,607.0	10.3	14.8	-88.31	-71.9	-332.3	430.0	406.1	23.88	18.008	
4,700.0	4,694.9	4,667.8	4,651.5	10.3	15.0	-88.47	-73.0	-336.9	434.6	410.5	24.09	18.043	
4,750.0	4,744.9	4,717.5	4,701.0	10.4	15.2	-88.65	-74.2	-341.9	439.6	415.3	24.31	18.081	
4,800.0	4,794.9	4,767.2	4,750.4	10.4	15.3	-88.82	-75.4	-347.0	444.7	420.1	24.54	18.119	
4,845.0	4,839.9	4,812.0	4,794.9	10.4	15.5	-88.97	-76.5	-351.5	449.2	424.5	24.75	18.152	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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	4,894.9	4,866.7	4,849.3	10.5	15.7	-89.15	-77.8	-357.1	454.8	429.8	25.00	18.191	
4,940.0	4,934.9	4,906.4	4,888.9	10.5	15.9	-89.28	-78.8	-361.1	458.9	433.7	25.18	18.221	
5,000.0	4,994.9	4,968.7	4,950.8	10.6	16.1	-89.47	-80.3	-367.4	464.9	439.4	25.46	18.261	
5,035.0	5,029.9	5,006.5	4,988.5	10.6	16.2	-89.58	-81.1	-370.9	468.1	442.5	25.62	18.268	
5,100.0	5,094.9	5,076.9	5,058.6	10.6	16.5	-89.75	-82.5	-376.8	473.5	447.6	25.94	18.256	
5,130.0	5,124.9	5,109.4	5,091.0	10.6	16.6	-89.82	-83.1	-379.2	475.8	449.7	26.08	18.242	
5,200.0	5,194.9	5,185.5	5,166.9	10.7	16.9	-89.97	-84.3	-384.2	480.4	454.0	26.41	18.193	
5,225.0	5,219.9	5,212.6	5,194.0	10.7	17.0	-90.01	-84.7	-385.8	481.8	455.3	26.52	18.170	
5,300.0	5,294.9	5,294.2	5,275.5	10.8	17.3	-90.12	-85.6	-389.7	485.4	458.6	26.84	18.085	
5,320.0	5,314.9	5,316.0	5,297.3	10.8	17.3	-90.14	-85.8	-390.6	486.2	459.3	26.92	18.059	
5,400.0	5,394.9	5,403.2	5,384.4	10.8	17.6	-90.22	-86.4	-393.2	488.6	461.4	27.24	17.939	
5,415.0	5,409.9	5,419.6	5,400.8	10.9	17.6	-90.23	-86.5	-393.5	488.9	461.6	27.29	17.917	
5,500.0	5,494.9	5,512.3	5,493.5	10.9	17.9	-90.26	-86.7	-394.6	489.9	462.4	27.56	17.780	
5,510.0	5,504.9	5,523.2	5,504.4	10.9	17.9	-90.26	-86.8	-394.6	490.0	462.4	27.57	17.771	
5,600.0	5,594.9	5,614.2	5,595.4	11.0	17.9	-90.26	-86.8	-394.7	490.0	462.3	27.67	17.708	
5,605.0	5,599.9	5,619.2	5,600.4	11.0	17.9	-90.26	-86.8	-394.7	490.0	462.3	27.68	17.704	
5,700.0	5,694.9	5,714.2	5,695.4	11.1	17.9	-90.26	-86.8	-394.7	490.0	462.2	27.79	17.633	
5,795.0	5,789.9	5,809.2	5,790.4	11.1	18.0	-90.26	-86.8	-394.7	490.0	462.1	27.90	17.562	
5,800.0	5,794.9	5,814.2	5,795.4	11.1	18.0	-90.26	-86.8	-394.7	490.0	462.1	27.91	17.558	
5,890.0	5,884.9	5,904.2	5,885.4	11.2	18.0	-90.26	-86.8	-394.7	490.0	462.0	28.01	17.492	
5,900.0	5,894.9	5,914.2	5,895.4	11.2	18.0	-90.26	-86.8	-394.7	490.0	462.0	28.02	17.484	
5,985.0	5,979.9	5,999.2	5,980.4	11.3	18.0	-90.26	-86.8	-394.7	490.0	461.9	28.12	17.422	
6,000.0	5,994.9	6,014.2	5,995.4	11.3	18.1	-90.26	-86.8	-394.7	490.0	461.8	28.14	17.411	
6,080.0	6,074.9	6,094.2	6,075.4	11.3	18.1	-90.26	-86.8	-394.7	490.0	461.7	28.24	17.352	
6,100.0	6,094.9	6,114.2	6,095.4	11.4	18.1	-90.26	-86.8	-394.7	490.0	461.7	28.26	17.338	
6,175.0	6,169.9	6,189.2	6,170.4	11.4	18.1	-90.26	-86.8	-394.7	490.0	461.6	28.35	17.283	
6,200.0	6,194.9	6,214.2	6,195.4	11.4	18.1	-90.26	-86.8	-394.7	490.0	461.6	28.38	17.265	
6,270.0	6,264.9	6,284.2	6,265.4	11.5	18.2	-90.26	-86.8	-394.7	490.0	461.5	28.46	17.214	
6,300.0	6,294.9	6,314.2	6,295.4	11.5	18.2	-90.26	-86.8	-394.7	490.0	461.5	28.50	17.193	
6,365.0	6,359.9	6,379.2	6,360.4	11.6	18.2	-90.26	-86.8	-394.7	490.0	461.4	28.58	17.146	
6,400.0	6,394.9	6,414.2	6,395.4	11.6	18.2	-90.26	-86.8	-394.7	490.0	461.4	28.62	17.121	
6,460.0	6,454.9	6,474.2	6,455.4	11.6	18.2	-90.26	-86.8	-394.7	490.0	461.3	28.69	17.078	
6,500.0	6,494.9	6,514.2	6,495.4	11.7	18.3	-90.26	-86.8	-394.7	490.0	461.2	28.74	17.049	
6,555.0	6,549.9	6,569.2	6,550.4	11.7	18.3	-90.26	-86.8	-394.7	490.0	461.2	28.81	17.010	
6,600.0	6,594.9	6,614.2	6,595.4	11.7	18.3	-90.26	-86.8	-394.7	490.0	461.1	28.86	16.978	
6,650.0	6,644.9	6,664.2	6,645.4	11.8	18.3	-90.26	-86.8	-394.7	490.0	461.1	28.92	16.943	
6,700.0	6,694.9	6,714.2	6,695.4	11.8	18.3	-90.26	-86.8	-394.7	490.0	461.0	28.98	16.907	
6,745.0	6,739.9	6,759.2	6,740.4	11.8	18.3	-90.26	-86.8	-394.7	490.0	461.0	29.03	16.876	
6,800.0	6,794.9	6,814.2	6,795.4	11.9	18.4	-90.26	-86.8	-394.7	490.0	460.9	29.10	16.837	
6,840.0	6,834.9	6,854.2	6,835.4	11.9	18.4	-90.26	-86.8	-394.7	490.0	460.8	29.15	16.809	
6,900.0	6,894.9	6,914.2	6,895.4	12.0	18.4	-90.26	-86.8	-394.7	490.0	460.8	29.22	16.767	
6,935.0	6,929.9	6,949.2	6,930.4	12.0	18.4	-90.26	-86.8	-394.7	490.0	460.7	29.27	16.743	
7,000.0	6,994.9	7,014.2	6,995.4	12.0	18.5	-90.26	-86.8	-394.7	490.0	460.6	29.34	16.698	
7,030.0	7,024.9	7,044.2	7,025.4	12.0	18.5	-90.26	-86.8	-394.7	490.0	460.6	29.38	16.677	
7,100.0	7,094.9	7,114.2	7,095.4	12.1	18.5	-90.26	-86.8	-394.7	490.0	460.5	29.47	16.629	
7,125.0	7,119.9	7,139.2	7,120.4	12.1	18.5	-90.26	-86.8	-394.7	490.0	460.5	29.50	16.612	
7,200.0	7,194.9	7,214.2	7,195.4	12.2	18.5	-90.26	-86.8	-394.7	490.0	460.4	29.59	16.560	
7,220.0	7,214.9	7,234.2	7,215.4	12.2	18.5	-90.26	-86.8	-394.7	490.0	460.4	29.61	16.546	
7,300.0	7,294.9	7,314.2	7,295.4	12.2	18.6	-90.26	-86.8	-394.7	490.0	460.3	29.71	16.492	
7,315.0	7,309.9	7,329.2	7,310.4	12.3	18.6	-90.26	-86.8	-394.7	490.0	460.3	29.73	16.482	
7,400.0	7,394.9	7,414.2	7,395.4	12.3	18.6	-90.26	-86.8	-394.7	490.0	460.2	29.83	16.424	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
7,410.0	7,404.9	7,424.2	7,405.4	12.3	18.6	-90.26	-86.8	-394.7	490.0	460.1	29.85	16.417	
7,500.0	7,494.9	7,514.2	7,495.4	12.4	18.7	-90.26	-86.8	-394.7	490.0	460.0	29.96	16.357	
7,505.0	7,499.9	7,519.2	7,500.4	12.4	18.7	-90.26	-86.8	-394.7	490.0	460.0	29.96	16.353	
7,600.0	7,594.9	7,614.2	7,595.4	12.5	18.7	-90.26	-86.8	-394.7	490.0	459.9	30.08	16.290	
7,695.0	7,689.9	7,709.2	7,690.4	12.5	18.8	-90.26	-86.8	-394.7	490.0	459.8	30.20	16.226	
7,700.0	7,694.9	7,714.2	7,695.4	12.5	18.8	-90.26	-86.8	-394.7	490.0	459.8	30.20	16.223	
7,790.0	7,784.9	7,804.2	7,785.4	12.6	18.8	-90.26	-86.8	-394.7	490.0	459.7	30.31	16.163	
7,800.0	7,794.9	7,814.2	7,795.4	12.6	18.8	-90.26	-86.8	-394.7	490.0	459.7	30.33	16.157	
7,885.0	7,879.9	7,899.2	7,880.4	12.7	18.8	-90.26	-86.8	-394.7	490.0	459.6	30.43	16.101	
7,900.0	7,894.9	7,914.2	7,895.4	12.7	18.8	-90.26	-86.8	-394.7	490.0	459.5	30.45	16.091	
7,980.0	7,974.9	7,994.2	7,975.4	12.8	18.9	-90.26	-86.8	-394.7	490.0	459.4	30.55	16.038	
8,000.0	7,994.9	8,014.2	7,995.4	12.8	18.9	-90.26	-86.8	-394.7	490.0	459.4	30.58	16.025	
8,075.0	8,069.9	8,089.2	8,070.4	12.8	18.9	-90.26	-86.8	-394.7	490.0	459.3	30.67	15.976	
8,100.0	8,094.9	8,114.2	8,095.4	12.9	18.9	-90.26	-86.8	-394.7	490.0	459.3	30.70	15.960	
8,170.0	8,164.9	8,184.2	8,165.4	12.9	19.0	-90.26	-86.8	-394.7	490.0	459.2	30.79	15.915	
8,200.0	8,194.9	8,214.2	8,195.4	12.9	19.0	-90.26	-86.8	-394.7	490.0	459.2	30.83	15.896	
8,265.0	8,259.9	8,279.2	8,260.4	13.0	19.0	-90.26	-86.8	-394.7	490.0	459.1	30.91	15.854	
8,300.0	8,294.9	8,314.2	8,295.4	13.0	19.0	-90.26	-86.8	-394.7	490.0	459.0	30.95	15.831	
8,360.0	8,354.9	8,374.2	8,355.4	13.0	19.0	-90.26	-86.8	-394.7	490.0	459.0	31.03	15.793	
8,400.0	8,394.9	8,414.2	8,395.4	13.1	19.1	-90.26	-86.8	-394.7	490.0	458.9	31.08	15.767	
8,455.0	8,449.9	8,469.2	8,450.4	13.1	19.1	-90.26	-86.8	-394.7	490.0	458.8	31.15	15.732	
8,500.0	8,494.9	8,514.2	8,495.4	13.2	19.1	-90.26	-86.8	-394.7	490.0	458.8	31.20	15.704	
8,550.0	8,544.9	8,564.2	8,545.4	13.2	19.1	-90.26	-86.8	-394.7	490.0	458.7	31.26	15.672	
8,600.0	8,594.9	8,614.2	8,595.4	13.2	19.2	-90.26	-86.8	-394.7	490.0	458.7	31.33	15.641	
8,645.0	8,639.9	8,659.2	8,640.4	13.3	19.2	-90.26	-86.8	-394.7	490.0	458.6	31.38	15.612	
8,700.0	8,694.9	8,714.2	8,695.4	13.3	19.2	-90.26	-86.8	-394.7	490.0	458.5	31.45	15.578	
8,740.0	8,734.9	8,754.2	8,735.4	13.3	19.2	-90.26	-86.8	-394.7	490.0	458.5	31.50	15.553	
8,800.0	8,794.9	8,814.2	8,795.4	13.4	19.2	-90.26	-86.8	-394.7	490.0	458.4	31.58	15.515	
8,835.0	8,829.9	8,849.2	8,830.4	13.4	19.3	-90.26	-86.8	-394.7	490.0	458.4	31.63	15.494	
8,900.0	8,894.9	8,914.2	8,895.4	13.5	19.3	-90.26	-86.8	-394.7	490.0	458.3	31.71	15.453	
8,930.0	8,924.9	8,944.2	8,925.4	13.5	19.3	-90.26	-86.8	-394.7	490.0	458.2	31.75	15.435	
9,000.0	8,994.9	9,014.2	8,995.4	13.5	19.3	-90.26	-86.8	-394.7	490.0	458.2	31.83	15.392	
9,025.0	9,019.9	9,039.2	9,020.4	13.6	19.4	-90.26	-86.8	-394.7	490.0	458.1	31.87	15.376	
9,100.0	9,094.9	9,114.2	9,095.4	13.6	19.4	-90.26	-86.8	-394.7	490.0	458.0	31.96	15.330	
9,120.0	9,114.9	9,134.2	9,115.4	13.6	19.4	-90.26	-86.8	-394.7	490.0	458.0	31.99	15.318	
9,200.0	9,194.9	9,214.2	9,195.4	13.7	19.4	-90.26	-86.8	-394.7	490.0	457.9	32.09	15.269	
9,215.0	9,209.9	9,229.2	9,210.4	13.7	19.4	-90.26	-86.8	-394.7	490.0	457.9	32.11	15.260	
9,300.0	9,294.9	9,314.2	9,295.4	13.8	19.5	-90.26	-86.8	-394.7	490.0	457.8	32.22	15.209	
9,310.0	9,304.9	9,324.2	9,305.4	13.8	19.5	-90.26	-86.8	-394.7	490.0	457.8	32.23	15.203	
9,400.0	9,394.9	9,414.2	9,395.4	13.8	19.5	-90.26	-86.8	-394.7	490.0	457.6	32.35	15.149	
9,405.0	9,399.9	9,419.2	9,400.4	13.8	19.5	-90.26	-86.8	-394.7	490.0	457.6	32.35	15.146	
9,500.0	9,494.9	9,514.2	9,495.4	13.9	19.6	-90.26	-86.8	-394.7	490.0	457.5	32.47	15.089	
9,595.0	9,589.9	9,609.2	9,590.4	14.0	19.6	-90.26	-86.8	-394.7	490.0	457.4	32.60	15.032	
9,600.0	9,594.9	9,614.2	9,595.4	14.0	19.6	-90.26	-86.8	-394.7	490.0	457.4	32.60	15.029	
9,690.0	9,684.9	9,704.2	9,685.4	14.1	19.7	-90.26	-86.8	-394.7	490.0	457.3	32.72	14.976	
9,700.0	9,694.9	9,714.2	9,695.4	14.1	19.7	-90.26	-86.8	-394.7	490.0	457.3	32.73	14.970	
9,736.1	9,731.0	9,750.4	9,731.5	14.1	19.7	-90.26	-86.8	-394.7	490.0	457.2	32.76	14.957	
9,750.0	9,744.9	9,764.2	9,745.4	14.1	19.7	-90.15	-86.8	-394.7	490.0	457.2	32.77	14.954	
9,785.0	9,779.9	9,799.2	9,780.4	14.1	19.7	-90.37	-86.8	-394.7	490.0	457.2	32.79	14.941	
9,800.0	9,794.8	9,814.1	9,795.3	14.1	19.7	-90.54	-86.8	-394.7	490.0	457.2	32.81	14.935	
9,850.0	9,844.2	9,863.5	9,844.7	14.2	19.7	-91.42	-86.8	-394.7	490.1	457.3	32.86	14.918	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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	9,873.4	9,892.7	9,873.9	14.2	19.8	-92.16	-86.8	-394.7	490.4	457.5	32.88	14.911	
9,900.0	9,892.7	9,912.0	9,893.2	14.2	19.8	-92.73	-86.8	-394.7	490.6	457.7	32.90	14.911	
9,950.0	9,940.0	9,960.8	9,942.0	14.3	19.8	-94.43	-86.3	-394.7	491.6	458.7	32.93	14.930	
9,975.0	9,963.1	9,986.4	9,967.6	14.3	19.8	-95.33	-84.8	-394.7	492.4	459.4	32.94	14.949	
10,000.0	9,985.7	10,012.4	9,993.4	14.4	19.8	-96.22	-82.0	-394.7	493.2	460.3	32.94	14.974	
10,050.0	10,029.4	10,065.8	10,045.9	14.4	19.8	-98.00	-72.8	-394.7	495.3	462.4	32.94	15.037	
10,070.0	10,046.3	10,087.6	10,067.1	14.5	19.8	-98.70	-67.6	-394.7	496.3	463.4	32.94	15.065	
10,100.0	10,070.9	10,121.0	10,099.1	14.5	19.8	-99.74	-58.1	-394.7	497.9	465.0	32.95	15.112	
10,150.0	10,109.9	10,178.2	10,152.5	14.6	19.8	-101.43	-37.5	-394.8	500.9	467.9	32.97	15.192	
10,165.0	10,121.0	10,195.8	10,168.4	14.6	19.8	-101.92	-30.1	-394.8	501.8	468.8	32.98	15.215	
10,200.0	10,145.9	10,237.5	10,205.4	14.7	19.8	-103.05	-10.7	-394.8	504.1	471.1	33.02	15.268	
10,250.0	10,178.7	10,299.1	10,257.0	14.7	19.9	-104.58	22.8	-394.9	507.5	474.4	33.11	15.330	
10,260.0	10,184.9	10,311.7	10,267.1	14.7	19.9	-104.88	30.3	-394.9	508.2	475.1	33.13	15.340	
10,300.0	10,208.2	10,362.9	10,306.4	14.8	19.9	-106.01	63.1	-395.0	511.0	477.7	33.24	15.371	
10,350.0	10,234.0	10,428.9	10,352.5	14.9	19.9	-107.31	110.4	-395.1	514.3	480.9	33.43	15.385	
10,355.0	10,236.4	10,435.7	10,356.9	14.9	19.9	-107.43	115.5	-395.1	514.6	481.2	33.45	15.385	
10,400.0	10,256.0	10,497.2	10,394.1	14.9	20.0	-108.45	164.4	-395.2	517.4	483.8	33.66	15.371	
10,450.0	10,274.0	10,567.4	10,429.9	15.0	20.0	-109.41	224.8	-395.4	520.2	486.2	33.93	15.330	
10,500.0	10,287.9	10,639.3	10,458.6	15.0	20.1	-110.17	290.6	-395.5	522.4	488.2	34.21	15.270	
10,545.0	10,296.8	10,705.2	10,477.5	15.1	20.2	-110.66	353.7	-395.7	523.8	489.4	34.45	15.204	
10,550.0	10,297.5	10,712.5	10,479.1	15.1	20.2	-110.70	360.9	-395.7	524.0	489.5	34.48	15.196	
10,600.0	10,302.9	10,786.7	10,490.6	15.1	20.3	-110.99	434.1	-395.8	524.8	490.1	34.72	15.116	
10,634.6	10,304.0	10,838.2	10,493.0	15.2	20.3	-111.04	485.6	-396.0	525.0	490.1	34.85	15.063	
10,639.1	10,304.0	10,844.9	10,493.0	15.2	20.3	-111.04	492.3	-396.0	525.0	490.1	34.87	15.056	
10,640.0	10,304.0	10,843.3	10,493.0	15.2	20.3	-111.04	490.6	-396.0	525.0	490.1	34.87	15.054	
10,700.0	10,304.2	10,903.3	10,493.2	15.2	20.4	-111.04	550.6	-396.1	525.0	489.9	35.10	14.956	
10,735.0	10,304.3	10,938.3	10,493.3	15.3	20.5	-111.04	585.6	-396.2	525.0	489.7	35.26	14.889	
10,800.0	10,304.4	11,003.3	10,493.5	15.3	20.6	-111.05	650.6	-396.3	525.0	489.4	35.56	14.765	
10,830.0	10,304.5	11,033.3	10,493.6	15.4	20.7	-111.05	680.6	-396.4	525.0	489.3	35.71	14.702	
10,900.0	10,304.7	11,103.3	10,493.7	15.5	20.8	-111.05	750.6	-396.6	525.0	488.9	36.07	14.555	
10,925.0	10,304.8	11,128.3	10,493.8	15.5	20.9	-111.05	775.6	-396.6	525.0	488.8	36.21	14.498	
11,000.0	10,305.0	11,203.3	10,494.0	15.7	21.1	-111.05	850.6	-396.8	525.0	488.4	36.64	14.328	
11,020.0	10,305.0	11,223.3	10,494.1	15.7	21.1	-111.05	870.6	-396.8	525.0	488.2	36.77	14.280	
11,100.0	10,305.2	11,303.3	10,494.3	15.9	21.4	-111.05	950.6	-397.0	525.0	487.8	37.27	14.088	
11,115.0	10,305.3	11,318.3	10,494.4	16.0	21.4	-111.05	965.6	-397.0	525.0	487.7	37.37	14.049	
11,200.0	10,305.5	11,403.3	10,494.6	16.2	21.6	-111.05	1,050.6	-397.2	525.0	487.1	37.95	13.836	
11,210.0	10,305.5	11,413.3	10,494.6	16.3	21.7	-111.05	1,060.6	-397.3	525.0	487.0	38.02	13.810	
11,300.0	10,305.8	11,503.3	10,494.9	16.6	21.9	-111.05	1,150.6	-397.5	525.0	486.4	38.67	13.576	
11,305.0	10,305.8	11,508.3	10,494.9	16.6	22.0	-111.05	1,155.6	-397.5	525.0	486.3	38.71	13.562	
11,400.0	10,306.0	11,603.3	10,495.2	17.0	22.3	-111.06	1,250.6	-397.7	525.0	485.6	39.45	13.310	
11,495.0	10,306.3	11,698.3	10,495.4	17.4	22.6	-111.06	1,345.6	-397.9	525.0	484.8	40.22	13.053	
11,500.0	10,306.3	11,703.3	10,495.4	17.4	22.6	-111.06	1,350.6	-397.9	525.0	484.8	40.26	13.040	
11,590.0	10,306.5	11,793.3	10,495.7	17.8	23.0	-111.06	1,440.6	-398.1	525.1	484.0	41.04	12.795	
11,600.0	10,306.6	11,803.3	10,495.7	17.9	23.0	-111.06	1,450.6	-398.1	525.1	483.9	41.12	12.768	
11,685.0	10,306.8	11,888.3	10,496.0	18.3	23.3	-111.06	1,535.6	-398.3	525.1	483.2	41.88	12.536	
11,700.0	10,306.8	11,903.3	10,496.0	18.4	23.4	-111.06	1,550.6	-398.4	525.1	483.0	42.02	12.496	
11,780.0	10,307.0	11,983.3	10,496.2	18.8	23.7	-111.06	1,630.6	-398.6	525.1	482.3	42.76	12.278	
11,800.0	10,307.1	12,003.3	10,496.3	18.9	23.8	-111.06	1,650.6	-398.6	525.1	482.1	42.95	12.225	
11,875.0	10,307.3	12,078.3	10,496.5	19.3	24.1	-111.06	1,725.6	-398.8	525.1	481.4	43.68	12.022	
11,900.0	10,307.4	12,103.3	10,496.6	19.4	24.2	-111.06	1,750.6	-398.8	525.1	481.2	43.92	11.956	
11,970.0	10,307.5	12,173.3	10,496.8	19.8	24.5	-111.07	1,820.6	-399.0	525.1	480.5	44.61	11.769	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
12,000.0	10,307.6	12,203.3	10,496.9	19.9	24.7	-111.07	1,850.6	-399.1	525.1	480.2	44.91	11.691	
12,065.0	10,307.8	12,268.3	10,497.0	20.3	25.0	-111.07	1,915.6	-399.2	525.1	479.5	45.58	11.520	
12,100.0	10,307.9	12,303.3	10,497.1	20.5	25.1	-111.07	1,950.6	-399.3	525.1	479.1	45.94	11.430	
12,160.0	10,308.0	12,363.3	10,497.3	20.8	25.4	-111.07	2,010.6	-399.4	525.1	478.5	46.57	11.274	
12,200.0	10,308.1	12,403.3	10,497.4	21.1	25.6	-111.07	2,050.6	-399.5	525.1	478.1	46.99	11.173	
12,255.0	10,308.3	12,458.3	10,497.6	21.4	25.8	-111.07	2,105.6	-399.6	525.1	477.5	47.59	11.034	
12,300.0	10,308.4	12,503.3	10,497.7	21.7	26.1	-111.07	2,150.6	-399.7	525.1	477.0	48.07	10.923	
12,350.0	10,308.5	12,553.3	10,497.8	22.0	26.3	-111.07	2,200.6	-399.8	525.1	476.5	48.63	10.799	
12,400.0	10,308.7	12,603.3	10,498.0	22.3	26.6	-111.07	2,250.6	-400.0	525.1	475.9	49.18	10.678	
12,445.0	10,308.8	12,648.3	10,498.1	22.5	26.8	-111.07	2,295.6	-400.1	525.1	475.4	49.68	10.569	
12,500.0	10,308.9	12,703.3	10,498.3	22.9	27.1	-111.07	2,350.6	-400.2	525.1	474.8	50.30	10.439	
12,540.0	10,309.1	12,743.3	10,498.4	23.1	27.3	-111.08	2,390.6	-400.3	525.1	474.3	50.76	10.345	
12,600.0	10,309.2	12,803.3	10,498.5	23.5	27.6	-111.08	2,450.6	-400.4	525.1	473.7	51.45	10.206	
12,635.0	10,309.3	12,838.3	10,498.6	23.7	27.8	-111.08	2,485.6	-400.5	525.1	473.3	51.86	10.126	
12,700.0	10,309.5	12,903.3	10,498.8	24.1	28.1	-111.08	2,550.6	-400.6	525.1	472.5	52.62	9.980	
12,730.0	10,309.6	12,933.3	10,498.9	24.3	28.3	-111.08	2,580.6	-400.7	525.1	472.2	52.97	9.913	
12,800.0	10,309.7	13,003.3	10,499.1	24.7	28.7	-111.08	2,650.6	-400.9	525.1	471.3	53.80	9.761	
12,825.0	10,309.8	13,028.3	10,499.2	24.9	28.8	-111.08	2,675.6	-400.9	525.1	471.0	54.10	9.706	
12,900.0	10,310.0	13,103.3	10,499.4	25.4	29.2	-111.08	2,750.6	-401.1	525.1	470.1	55.00	9.547	
12,920.0	10,310.1	13,123.3	10,499.4	25.5	29.3	-111.08	2,770.6	-401.1	525.1	469.9	55.25	9.505	
13,000.0	10,310.3	13,203.3	10,499.7	26.0	29.8	-111.08	2,850.6	-401.3	525.1	468.9	56.22	9.341	
13,015.0	10,310.3	13,218.3	10,499.7	26.1	29.9	-111.08	2,865.6	-401.4	525.1	468.7	56.40	9.310	
13,100.0	10,310.5	13,303.3	10,500.0	26.7	30.4	-111.09	2,950.6	-401.5	525.1	467.7	57.45	9.141	
13,110.0	10,310.6	13,313.3	10,500.0	26.8	30.4	-111.09	2,960.6	-401.6	525.1	467.6	57.58	9.121	
13,200.0	10,310.8	13,403.3	10,500.2	27.3	30.9	-111.09	3,050.6	-401.8	525.2	466.5	58.70	8.947	
13,205.0	10,310.8	13,408.3	10,500.3	27.4	31.0	-111.09	3,055.6	-401.8	525.2	466.4	58.76	8.937	
13,300.0	10,311.1	13,503.3	10,500.5	28.0	31.5	-111.09	3,150.6	-402.0	525.2	465.2	59.96	8.759	
13,395.0	10,311.3	13,598.3	10,500.8	28.7	32.1	-111.09	3,245.6	-402.2	525.2	464.0	61.17	8.586	
13,400.0	10,311.3	13,603.3	10,500.8	28.7	32.1	-111.09	3,250.6	-402.2	525.2	463.9	61.23	8.577	
13,490.0	10,311.6	13,693.3	10,501.1	29.3	32.7	-111.09	3,340.6	-402.4	525.2	462.8	62.39	8.418	
13,500.0	10,311.6	13,703.3	10,501.1	29.4	32.7	-111.09	3,350.6	-402.5	525.2	462.7	62.51	8.401	
13,585.0	10,311.8	13,788.3	10,501.3	29.9	33.2	-111.09	3,435.6	-402.6	525.2	461.6	63.61	8.256	
13,600.0	10,311.9	13,803.3	10,501.4	30.0	33.3	-111.09	3,450.6	-402.7	525.2	461.4	63.81	8.231	
13,680.0	10,312.1	13,883.3	10,501.6	30.6	33.8	-111.10	3,530.6	-402.9	525.2	460.3	64.85	8.098	
13,700.0	10,312.1	13,903.3	10,501.6	30.7	34.0	-111.10	3,550.6	-402.9	525.2	460.1	65.11	8.066	
13,775.0	10,312.3	13,978.3	10,501.9	31.2	34.4	-111.10	3,625.6	-403.1	525.2	459.1	66.10	7.945	
13,800.0	10,312.4	14,003.3	10,501.9	31.4	34.6	-111.10	3,650.6	-403.1	525.2	458.8	66.43	7.906	
13,870.0	10,312.6	14,073.3	10,502.1	31.9	35.0	-111.10	3,720.6	-403.3	525.2	457.8	67.35	7.797	
13,900.0	10,312.7	14,103.3	10,502.2	32.1	35.2	-111.10	3,750.6	-403.4	525.2	457.4	67.75	7.752	
13,965.0	10,312.8	14,168.3	10,502.4	32.6	35.6	-111.10	3,815.6	-403.5	525.2	456.6	68.62	7.654	
14,000.0	10,312.9	14,203.3	10,502.5	32.8	35.8	-111.10	3,850.6	-403.6	525.2	456.1	69.08	7.602	
14,060.0	10,313.1	14,263.3	10,502.7	33.2	36.2	-111.10	3,910.6	-403.7	525.2	455.3	69.89	7.515	
14,100.0	10,313.2	14,303.3	10,502.8	33.5	36.5	-111.10	3,950.6	-403.8	525.2	454.8	70.42	7.458	
14,155.0	10,313.3	14,358.3	10,502.9	33.9	36.8	-111.10	4,005.6	-403.9	525.2	454.0	71.17	7.380	
14,200.0	10,313.5	14,403.3	10,503.1	34.2	37.1	-111.10	4,050.6	-404.0	525.2	453.4	71.77	7.318	
14,250.0	10,313.6	14,453.3	10,503.2	34.6	37.4	-111.11	4,100.6	-404.2	525.2	452.8	72.45	7.249	
14,300.0	10,313.7	14,503.3	10,503.3	34.9	37.8	-111.11	4,150.6	-404.3	525.2	452.1	73.13	7.182	
14,345.0	10,313.8	14,548.3	10,503.5	35.2	38.1	-111.11	4,195.6	-404.4	525.2	451.5	73.74	7.123	
14,400.0	10,314.0	14,603.3	10,503.6	35.6	38.4	-111.11	4,250.6	-404.5	525.2	450.7	74.49	7.051	
14,440.0	10,314.1	14,643.3	10,503.7	35.9	38.7	-111.11	4,290.6	-404.6	525.2	450.2	75.04	7.000	
14,500.0	10,314.2	14,703.3	10,503.9	36.3	39.1	-111.11	4,350.6	-404.7	525.2	449.4	75.86	6.924	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
14,535.0	10,314.3	14,738.3	10,504.0	36.6	39.3	-111.11	4,385.6	-404.8	525.2	448.9	76.34	6.880	
14,600.0	10,314.5	14,803.3	10,504.2	37.0	39.7	-111.11	4,450.6	-405.0	525.2	448.0	77.23	6.801	
14,630.0	10,314.6	14,833.3	10,504.3	37.2	39.9	-111.11	4,480.6	-405.0	525.2	447.6	77.65	6.764	
14,700.0	10,314.8	14,903.3	10,504.5	37.7	40.4	-111.11	4,550.6	-405.2	525.2	446.6	78.61	6.681	
14,725.0	10,314.8	14,928.3	10,504.5	37.9	40.6	-111.11	4,575.6	-405.2	525.2	446.3	78.96	6.652	
14,800.0	10,315.0	15,003.3	10,504.8	38.5	41.1	-111.11	4,650.6	-405.4	525.3	445.2	80.00	6.566	
14,820.0	10,315.1	15,023.3	10,504.8	38.6	41.2	-111.11	4,670.6	-405.4	525.3	445.0	80.28	6.543	
14,900.0	10,315.3	15,103.3	10,505.0	39.2	41.7	-111.12	4,750.6	-405.6	525.3	443.9	81.39	6.453	
14,915.0	10,315.3	15,118.3	10,505.1	39.3	41.8	-111.12	4,765.6	-405.7	525.3	443.7	81.60	6.437	
15,000.0	10,315.6	15,203.3	10,505.3	39.9	42.4	-111.12	4,850.6	-405.9	525.3	442.5	82.79	6.345	
15,010.0	10,315.6	15,213.3	10,505.3	40.0	42.5	-111.12	4,860.6	-405.9	525.3	442.3	82.93	6.334	
15,100.0	10,315.8	15,303.3	10,505.6	40.6	43.1	-111.12	4,950.6	-406.1	525.3	441.1	84.19	6.239	
15,105.0	10,315.8	15,308.3	10,505.6	40.6	43.1	-111.12	4,955.6	-406.1	525.3	441.0	84.26	6.234	
15,200.0	10,316.1	15,403.3	10,505.9	41.3	43.8	-111.12	5,050.6	-406.3	525.3	439.7	85.60	6.137	
15,295.0	10,316.4	15,498.3	10,506.1	42.0	44.4	-111.12	5,145.6	-406.5	525.3	438.3	86.93	6.042	
15,300.0	10,316.4	15,503.3	10,506.2	42.1	44.4	-111.12	5,150.6	-406.5	525.3	438.3	87.01	6.037	
15,390.0	10,316.6	15,593.3	10,506.4	42.7	45.1	-111.12	5,240.6	-406.7	525.3	437.0	88.28	5.950	
15,400.0	10,316.6	15,603.3	10,506.4	42.8	45.1	-111.12	5,250.6	-406.8	525.3	436.9	88.42	5.941	
15,485.0	10,316.9	15,688.3	10,506.7	43.4	45.7	-111.13	5,335.6	-407.0	525.3	435.7	89.62	5.861	
15,500.0	10,316.9	15,703.3	10,506.7	43.5	45.8	-111.13	5,350.6	-407.0	525.3	435.5	89.84	5.847	
15,580.0	10,317.1	15,783.3	10,507.0	44.1	46.4	-111.13	5,430.6	-407.2	525.3	434.3	90.97	5.774	
15,600.0	10,317.2	15,803.3	10,507.0	44.2	46.5	-111.13	5,450.6	-407.2	525.3	434.0	91.26	5.756	
15,675.0	10,317.4	15,878.3	10,507.2	44.8	47.0	-111.13	5,525.6	-407.4	525.3	433.0	92.33	5.690	
15,700.0	10,317.4	15,903.3	10,507.3	45.0	47.2	-111.13	5,550.6	-407.4	525.3	432.6	92.68	5.668	
15,770.0	10,317.6	15,973.3	10,507.5	45.5	47.7	-111.13	5,620.6	-407.6	525.3	431.6	93.68	5.607	
15,800.0	10,317.7	16,003.3	10,507.6	45.7	47.9	-111.13	5,650.6	-407.7	525.3	431.2	94.11	5.582	
15,865.0	10,317.9	16,068.3	10,507.8	46.2	48.4	-111.13	5,715.6	-407.8	525.3	430.3	95.04	5.527	
15,900.0	10,318.0	16,103.3	10,507.9	46.4	48.6	-111.13	5,750.6	-407.9	525.3	429.8	95.54	5.498	
15,960.0	10,318.1	16,163.3	10,508.0	46.9	49.0	-111.13	5,810.6	-408.0	525.3	428.9	96.41	5.449	
16,000.0	10,318.2	16,203.3	10,508.1	47.1	49.3	-111.14	5,850.6	-408.1	525.3	428.3	96.98	5.417	
16,055.0	10,318.4	16,258.3	10,508.3	47.6	49.7	-111.14	5,905.6	-408.3	525.3	427.6	97.77	5.373	
16,100.0	10,318.5	16,303.3	10,508.4	47.9	50.0	-111.14	5,950.6	-408.4	525.3	426.9	98.42	5.338	
16,150.0	10,318.6	16,353.3	10,508.6	48.2	50.3	-111.14	6,000.6	-408.5	525.3	426.2	99.14	5.299	
16,200.0	10,318.8	16,403.3	10,508.7	48.6	50.7	-111.14	6,050.6	-408.6	525.3	425.5	99.86	5.261	
16,245.0	10,318.9	16,448.3	10,508.8	48.9	51.0	-111.14	6,095.6	-408.7	525.3	424.8	100.51	5.227	
16,300.0	10,319.0	16,503.3	10,509.0	49.3	51.4	-111.14	6,150.6	-408.8	525.3	424.0	101.30	5.186	
16,340.0	10,319.1	16,543.3	10,509.1	49.6	51.7	-111.14	6,190.6	-408.9	525.3	423.5	101.88	5.156	
16,400.0	10,319.3	16,603.3	10,509.3	50.1	52.1	-111.14	6,250.6	-409.0	525.3	422.6	102.75	5.113	
16,435.0	10,319.4	16,638.3	10,509.4	50.3	52.4	-111.14	6,285.6	-409.1	525.4	422.1	103.26	5.088	
16,500.0	10,319.5	16,703.3	10,509.5	50.8	52.8	-111.14	6,350.6	-409.3	525.4	421.2	104.20	5.042	
16,530.0	10,319.6	16,733.3	10,509.6	51.0	53.0	-111.14	6,380.6	-409.3	525.4	420.7	104.63	5.021	
16,600.0	10,319.8	16,803.3	10,509.8	51.6	53.5	-111.15	6,450.6	-409.5	525.4	419.7	105.65	4.973	
16,625.0	10,319.9	16,828.3	10,509.9	51.7	53.7	-111.15	6,475.6	-409.5	525.4	419.4	106.01	4.956	
16,700.0	10,320.1	16,903.3	10,510.1	52.3	54.2	-111.15	6,550.6	-409.7	525.4	418.3	107.10	4.905	
16,720.0	10,320.1	16,923.3	10,510.2	52.4	54.4	-111.15	6,570.6	-409.8	525.4	418.0	107.39	4.892	
16,800.0	10,320.3	17,003.3	10,510.4	53.0	54.9	-111.15	6,650.6	-409.9	525.4	416.8	108.56	4.840	
16,815.0	10,320.4	17,018.3	10,510.4	53.1	55.1	-111.15	6,665.6	-410.0	525.4	416.6	108.78	4.830	
16,900.0	10,320.6	17,103.3	10,510.7	53.8	55.7	-111.15	6,750.6	-410.2	525.4	415.4	110.01	4.776	
16,910.0	10,320.6	17,113.3	10,510.7	53.8	55.7	-111.15	6,760.6	-410.2	525.4	415.2	110.16	4.769	
17,000.0	10,320.9	17,203.3	10,511.0	54.5	56.4	-111.15	6,850.6	-410.4	525.4	413.9	111.47	4.713	
17,005.0	10,320.9	17,208.3	10,511.0	54.5	56.4	-111.15	6,855.6	-410.4	525.4	413.8	111.55	4.710	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
17,100.0	10,321.1	17,303.3	10,511.2	55.3	57.1	-111.15	6,950.6	-410.6	525.4	412.5	112.94	4.652	
17,195.0	10,321.4	17,398.3	10,511.5	56.0	57.8	-111.16	7,045.6	-410.8	525.4	411.1	114.33	4.596	
17,200.0	10,321.4	17,403.3	10,511.5	56.0	57.8	-111.16	7,050.6	-410.8	525.4	411.0	114.40	4.593	
17,290.0	10,321.6	17,493.3	10,511.8	56.7	58.5	-111.16	7,140.6	-411.1	525.4	409.7	115.72	4.540	
17,300.0	10,321.7	17,503.3	10,511.8	56.7	58.5	-111.16	7,150.6	-411.1	525.4	409.5	115.86	4.535	
17,385.0	10,321.9	17,588.3	10,512.0	57.4	59.1	-111.16	7,235.6	-411.3	525.4	408.3	117.11	4.486	
17,400.0	10,321.9	17,603.3	10,512.1	57.5	59.2	-111.16	7,250.6	-411.3	525.4	408.1	117.33	4.478	
17,480.0	10,322.1	17,683.3	10,512.3	58.1	59.8	-111.16	7,330.6	-411.5	525.4	406.9	118.51	4.434	
17,500.0	10,322.2	17,703.3	10,512.4	58.2	60.0	-111.16	7,350.6	-411.5	525.4	406.6	118.80	4.423	
17,575.0	10,322.4	17,778.3	10,512.6	58.8	60.5	-111.16	7,425.6	-411.7	525.4	405.5	119.90	4.382	
17,600.0	10,322.5	17,803.3	10,512.7	59.0	60.7	-111.16	7,450.6	-411.8	525.4	405.2	120.27	4.369	
17,670.0	10,322.6	17,873.3	10,512.8	59.5	61.2	-111.16	7,520.6	-411.9	525.4	404.1	121.30	4.332	
17,700.0	10,322.7	17,903.3	10,512.9	59.7	61.4	-111.16	7,550.6	-412.0	525.4	403.7	121.74	4.316	
17,765.0	10,322.9	17,968.3	10,513.1	60.2	61.9	-111.17	7,615.6	-412.1	525.4	402.7	122.70	4.282	
17,800.0	10,323.0	18,003.3	10,513.2	60.5	62.1	-111.17	7,650.6	-412.2	525.4	402.2	123.22	4.264	
17,860.0	10,323.2	18,063.3	10,513.4	60.9	62.6	-111.17	7,710.6	-412.3	525.4	401.3	124.10	4.234	
17,900.0	10,323.3	18,103.3	10,513.5	61.2	62.9	-111.17	7,750.6	-412.4	525.4	400.8	124.69	4.214	
17,955.0	10,323.4	18,158.3	10,513.7	61.6	63.3	-111.17	7,805.6	-412.6	525.4	399.9	125.50	4.187	
18,000.0	10,323.5	18,203.3	10,513.8	61.9	63.6	-111.17	7,850.6	-412.7	525.4	399.3	126.17	4.165	
18,050.0	10,323.7	18,253.3	10,513.9	62.3	63.9	-111.17	7,900.6	-412.8	525.5	398.5	126.91	4.140	
18,100.0	10,323.8	18,303.3	10,514.1	62.7	64.3	-111.17	7,950.6	-412.9	525.5	397.8	127.65	4.117	
18,145.0	10,323.9	18,348.3	10,514.2	63.0	64.6	-111.17	7,995.6	-413.0	525.5	397.1	128.31	4.095	
18,200.0	10,324.1	18,403.3	10,514.3	63.4	65.0	-111.17	8,050.6	-413.1	525.5	396.3	129.12	4.069	
18,240.0	10,324.2	18,443.3	10,514.5	63.7	65.3	-111.17	8,090.6	-413.2	525.5	395.7	129.72	4.051	
18,300.0	10,324.3	18,503.3	10,514.6	64.2	65.8	-111.18	8,150.6	-413.3	525.5	394.9	130.60	4.023	
18,335.0	10,324.4	18,538.3	10,514.7	64.4	66.0	-111.18	8,185.6	-413.4	525.5	394.3	131.12	4.007	
18,400.0	10,324.6	18,603.3	10,514.9	64.9	66.5	-111.18	8,250.6	-413.6	525.5	393.4	132.09	3.978	
18,430.0	10,324.7	18,633.3	10,515.0	65.2	66.7	-111.18	8,280.6	-413.6	525.5	392.9	132.53	3.965	
18,500.0	10,324.8	18,703.3	10,515.2	65.7	67.2	-111.18	8,350.6	-413.8	525.5	391.9	133.57	3.934	
18,525.0	10,324.9	18,728.3	10,515.3	65.9	67.4	-111.18	8,375.6	-413.9	525.5	391.5	133.94	3.923	
18,600.0	10,325.1	18,803.3	10,515.5	66.4	68.0	-111.18	8,450.6	-414.0	525.5	390.4	135.05	3.891	
18,620.0	10,325.2	18,823.3	10,515.5	66.6	68.1	-111.18	8,470.6	-414.1	525.5	390.1	135.35	3.882	
18,700.0	10,325.4	18,903.3	10,515.8	67.2	68.7	-111.18	8,550.6	-414.2	525.5	389.0	136.54	3.849	
18,715.0	10,325.4	18,918.3	10,515.8	67.3	68.8	-111.18	8,565.6	-414.3	525.5	388.7	136.76	3.842	
18,800.0	10,325.6	19,003.3	10,516.0	67.9	69.4	-111.18	8,650.6	-414.5	525.5	387.5	138.02	3.807	
18,810.0	10,325.7	19,013.3	10,516.1	68.0	69.5	-111.18	8,660.6	-414.5	525.5	387.3	138.17	3.803	
18,900.0	10,325.9	19,103.3	10,516.3	68.7	70.1	-111.19	8,750.6	-414.7	525.5	386.0	139.51	3.767	
18,905.0	10,325.9	19,108.3	10,516.3	68.7	70.2	-111.19	8,755.6	-414.7	525.5	385.9	139.58	3.765	
19,000.0	10,326.2	19,203.3	10,516.6	69.4	70.9	-111.19	8,850.6	-414.9	525.5	384.5	141.00	3.727	
19,095.0	10,326.4	19,298.3	10,516.9	70.1	71.6	-111.19	8,945.6	-415.1	525.5	383.1	142.41	3.690	
19,100.0	10,326.4	19,303.3	10,516.9	70.2	71.6	-111.19	8,950.6	-415.2	525.5	383.0	142.49	3.688	
19,190.0	10,326.7	19,393.3	10,517.1	70.8	72.3	-111.19	9,040.6	-415.4	525.5	381.7	143.83	3.654	
19,200.0	10,326.7	19,403.3	10,517.2	70.9	72.4	-111.19	9,050.6	-415.4	525.5	381.5	143.98	3.650	
19,285.0	10,326.9	19,488.3	10,517.4	71.6	73.0	-111.19	9,135.6	-415.6	525.5	380.3	145.24	3.618	
19,300.0	10,327.0	19,503.3	10,517.4	71.7	73.1	-111.19	9,150.6	-415.6	525.5	380.1	145.47	3.613	
19,380.0	10,327.2	19,583.3	10,517.7	72.3	73.7	-111.19	9,230.6	-415.8	525.5	378.9	146.66	3.583	
19,400.0	10,327.2	19,603.3	10,517.7	72.4	73.8	-111.19	9,250.6	-415.8	525.5	378.6	146.96	3.576	
19,475.0	10,327.4	19,678.3	10,517.9	73.0	74.4	-111.20	9,325.6	-416.0	525.5	377.5	148.08	3.549	
19,500.0	10,327.5	19,703.3	10,518.0	73.2	74.6	-111.20	9,350.6	-416.1	525.5	377.1	148.45	3.540	
19,570.0	10,327.7	19,773.3	10,518.2	73.7	75.1	-111.20	9,420.6	-416.2	525.5	376.0	149.50	3.515	
19,600.0	10,327.8	19,803.3	10,518.3	73.9	75.3	-111.20	9,450.6	-416.3	525.5	375.6	149.95	3.505	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
19,665.0	10,327.9	19,868.3	10,518.5	74.4	75.8	-111.20	9,515.6	-416.4	525.6	374.6	150.92	3.482	
19,700.0	10,328.0	19,903.3	10,518.6	74.7	76.0	-111.20	9,550.6	-416.5	525.6	374.1	151.44	3.470	
19,760.0	10,328.2	19,963.3	10,518.7	75.1	76.5	-111.20	9,610.6	-416.7	525.6	373.2	152.34	3.450	
19,800.0	10,328.3	20,003.3	10,518.9	75.4	76.8	-111.20	9,650.6	-416.7	525.6	372.6	152.93	3.437	
19,855.0	10,328.4	20,058.3	10,519.0	75.8	77.2	-111.20	9,705.6	-416.9	525.6	371.8	153.76	3.418	
19,900.0	10,328.6	20,103.3	10,519.1	76.2	77.5	-111.20	9,750.6	-417.0	525.6	371.1	154.43	3.403	
19,950.0	10,328.7	20,153.3	10,519.3	76.5	77.9	-111.20	9,800.6	-417.1	525.6	370.4	155.18	3.387	
20,000.0	10,328.8	20,203.3	10,519.4	76.9	78.2	-111.20	9,850.6	-417.2	525.6	369.6	155.93	3.371	
20,045.0	10,328.9	20,248.3	10,519.5	77.3	78.6	-111.21	9,895.6	-417.3	525.6	369.0	156.60	3.356	
20,100.0	10,329.1	20,303.3	10,519.7	77.7	79.0	-111.21	9,950.6	-417.4	525.6	368.2	157.42	3.339	
20,140.0	10,329.2	20,343.3	10,519.8	78.0	79.3	-111.21	9,990.6	-417.5	525.6	367.6	158.02	3.326	
20,200.0	10,329.4	20,403.3	10,520.0	78.4	79.7	-111.21	10,050.6	-417.7	525.6	366.7	158.92	3.307	
20,235.0	10,329.4	20,438.3	10,520.1	78.7	80.0	-111.21	10,085.6	-417.7	525.6	366.1	159.45	3.296	
20,300.0	10,329.6	20,503.3	10,520.3	79.2	80.5	-111.21	10,150.6	-417.9	525.6	365.2	160.42	3.276	
20,330.0	10,329.7	20,533.3	10,520.4	79.4	80.7	-111.21	10,180.6	-417.9	525.6	364.7	160.87	3.267	
20,400.0	10,329.9	20,603.3	10,520.6	79.9	81.2	-111.21	10,250.6	-418.1	525.6	363.7	161.92	3.246	
20,425.0	10,330.0	20,628.3	10,520.6	80.1	81.4	-111.21	10,275.6	-418.2	525.6	363.3	162.29	3.239	
20,500.0	10,330.1	20,703.3	10,520.8	80.7	81.9	-111.21	10,350.6	-418.3	525.6	362.2	163.42	3.216	
20,520.0	10,330.2	20,723.3	10,520.9	80.8	82.1	-111.21	10,370.6	-418.4	525.6	361.9	163.72	3.210	
20,600.0	10,330.4	20,803.3	10,521.1	81.4	82.7	-111.22	10,450.6	-418.6	525.6	360.7	164.92	3.187	
20,615.0	10,330.5	20,818.3	10,521.2	81.5	82.8	-111.22	10,465.6	-418.6	525.6	360.5	165.15	3.183	
20,700.0	10,330.7	20,903.3	10,521.4	82.2	83.4	-111.22	10,550.6	-418.8	525.6	359.2	166.42	3.158	
20,710.0	10,330.7	20,913.3	10,521.4	82.3	83.5	-111.22	10,560.6	-418.8	525.6	359.0	166.57	3.156	
20,800.0	10,330.9	21,003.3	10,521.7	82.9	84.2	-111.22	10,650.6	-419.0	525.6	357.7	167.92	3.130	
20,805.0	10,331.0	21,008.3	10,521.7	83.0	84.2	-111.22	10,655.6	-419.0	525.6	357.6	168.00	3.129	
20,900.0	10,331.2	21,103.3	10,522.0	83.7	84.9	-111.22	10,750.6	-419.2	525.6	356.2	169.43	3.102	
20,995.0	10,331.5	21,198.3	10,522.2	84.4	85.6	-111.22	10,845.6	-419.5	525.6	354.8	170.85	3.077	
21,000.0	10,331.5	21,203.3	10,522.2	84.5	85.7	-111.22	10,850.6	-419.5	525.6	354.7	170.93	3.075	
21,090.0	10,331.7	21,293.3	10,522.5	85.1	86.3	-111.22	10,940.6	-419.7	525.6	353.4	172.28	3.051	
21,100.0	10,331.7	21,303.3	10,522.5	85.2	86.4	-111.22	10,950.6	-419.7	525.6	353.2	172.43	3.048	
21,185.0	10,332.0	21,388.3	10,522.8	85.8	87.0	-111.23	11,035.6	-419.9	525.6	351.9	173.71	3.026	
21,200.0	10,332.0	21,403.3	10,522.8	86.0	87.1	-111.23	11,050.6	-419.9	525.6	351.7	173.94	3.022	
21,280.0	10,332.2	21,483.3	10,523.0	86.6	87.7	-111.23	11,130.6	-420.1	525.7	350.5	175.14	3.001	
21,300.0	10,332.3	21,503.3	10,523.1	86.7	87.9	-111.23	11,150.6	-420.1	525.7	350.2	175.44	2.996	
21,375.0	10,332.5	21,578.3	10,523.3	87.3	88.4	-111.23	11,225.6	-420.3	525.7	349.1	176.57	2.977	
21,400.0	10,332.5	21,603.3	10,523.4	87.5	88.6	-111.23	11,250.6	-420.4	525.7	348.7	176.94	2.971	
21,470.0	10,332.7	21,673.3	10,523.6	88.0	89.2	-111.23	11,320.6	-420.5	525.7	347.7	178.00	2.953	
21,500.0	10,332.8	21,703.3	10,523.7	88.2	89.4	-111.23	11,350.6	-420.6	525.7	347.2	178.45	2.946	
21,565.0	10,333.0	21,768.3	10,523.8	88.7	89.9	-111.23	11,415.6	-420.7	525.7	346.2	179.43	2.930	
21,600.0	10,333.1	21,803.3	10,523.9	89.0	90.1	-111.23	11,450.6	-420.8	525.7	345.7	179.96	2.921	
21,660.0	10,333.2	21,863.3	10,524.1	89.4	90.6	-111.23	11,510.6	-421.0	525.7	344.8	180.86	2.907	
21,700.0	10,333.3	21,903.3	10,524.2	89.7	90.9	-111.23	11,550.6	-421.1	525.7	344.2	181.46	2.897	
21,755.0	10,333.5	21,958.3	10,524.4	90.1	91.3	-111.24	11,605.6	-421.2	525.7	343.4	182.29	2.884	
21,800.0	10,333.6	22,003.3	10,524.5	90.5	91.6	-111.24	11,650.5	-421.3	525.7	342.7	182.97	2.873	
21,850.0	10,333.7	22,053.3	10,524.6	90.9	92.0	-111.24	11,700.5	-421.4	525.7	342.0	183.72	2.861	
21,900.0	10,333.9	22,103.3	10,524.8	91.2	92.4	-111.24	11,750.5	-421.5	525.7	341.2	184.48	2.850	
21,945.0	10,334.0	22,148.3	10,524.9	91.6	92.7	-111.24	11,795.5	-421.6	525.7	340.5	185.16	2.839	
22,000.0	10,334.1	22,203.3	10,525.1	92.0	93.1	-111.24	11,850.5	-421.7	525.7	339.7	185.98	2.827	
22,040.0	10,334.2	22,243.3	10,525.2	92.3	93.4	-111.24	11,890.5	-421.8	525.7	339.1	186.59	2.817	
22,100.0	10,334.4	22,303.3	10,525.3	92.8	93.9	-111.24	11,950.5	-422.0	525.7	338.2	187.49	2.804	
22,135.0	10,334.5	22,338.3	10,525.4	93.0	94.1	-111.24	11,985.5	-422.0	525.7	337.7	188.02	2.796	

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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 #910H - 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, 9939-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
22,200.0	10,334.7	22,403.3	10,525.6	93.5	94.6	-111.24	12,050.6	-422.2	525.7	336.7	189.00	2.782	
22,230.0	10,334.7	22,433.3	10,525.7	93.7	94.8	-111.24	12,080.5	-422.3	525.7	336.3	189.45	2.775	
22,300.0	10,334.9	22,503.3	10,525.9	94.3	95.3	-111.24	12,150.5	-422.4	525.7	335.2	190.51	2.760	
22,325.0	10,335.0	22,528.3	10,526.0	94.5	95.5	-111.24	12,175.5	-422.5	525.7	334.8	190.89	2.754	
22,330.0	10,335.0	22,533.3	10,526.0	94.5	95.6	-111.24	12,180.6	-422.5	525.7	334.8	190.96	2.753	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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) - SRO STATE COM #64H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-GYRO-NS, 8638-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
22,100.0	10,334.4	16,852.0	9,217.8	92.8	132.9	-1.50	12,728.5	38.7	1,305.7	1,170.9	134.81	9.686	
22,135.0	10,334.5	16,852.0	9,217.8	93.0	132.9	-1.50	12,728.5	38.7	1,285.3	1,148.6	136.69	9.403	
22,200.0	10,334.7	16,852.0	9,217.8	93.5	132.9	-1.50	12,728.5	38.7	1,249.1	1,108.8	140.22	8.908	
22,230.0	10,334.7	16,852.0	9,217.8	93.7	132.9	-1.50	12,728.5	38.7	1,233.1	1,091.3	141.85	8.694	
22,300.0	10,334.9	16,852.0	9,217.8	94.3	132.9	-1.50	12,728.5	38.7	1,198.1	1,052.5	145.62	8.228	
22,325.0	10,335.0	16,852.0	9,217.8	94.5	132.9	-1.50	12,728.5	38.7	1,186.3	1,039.4	146.95	8.073	
22,330.0	10,335.0	16,852.0	9,217.8	94.5	132.9	-1.50	12,728.5	38.7	1,184.0	1,036.8	147.22	8.043	CC, ES, SF

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 #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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 32ft + GL 3073.1ft @ 3105.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #909H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.13°

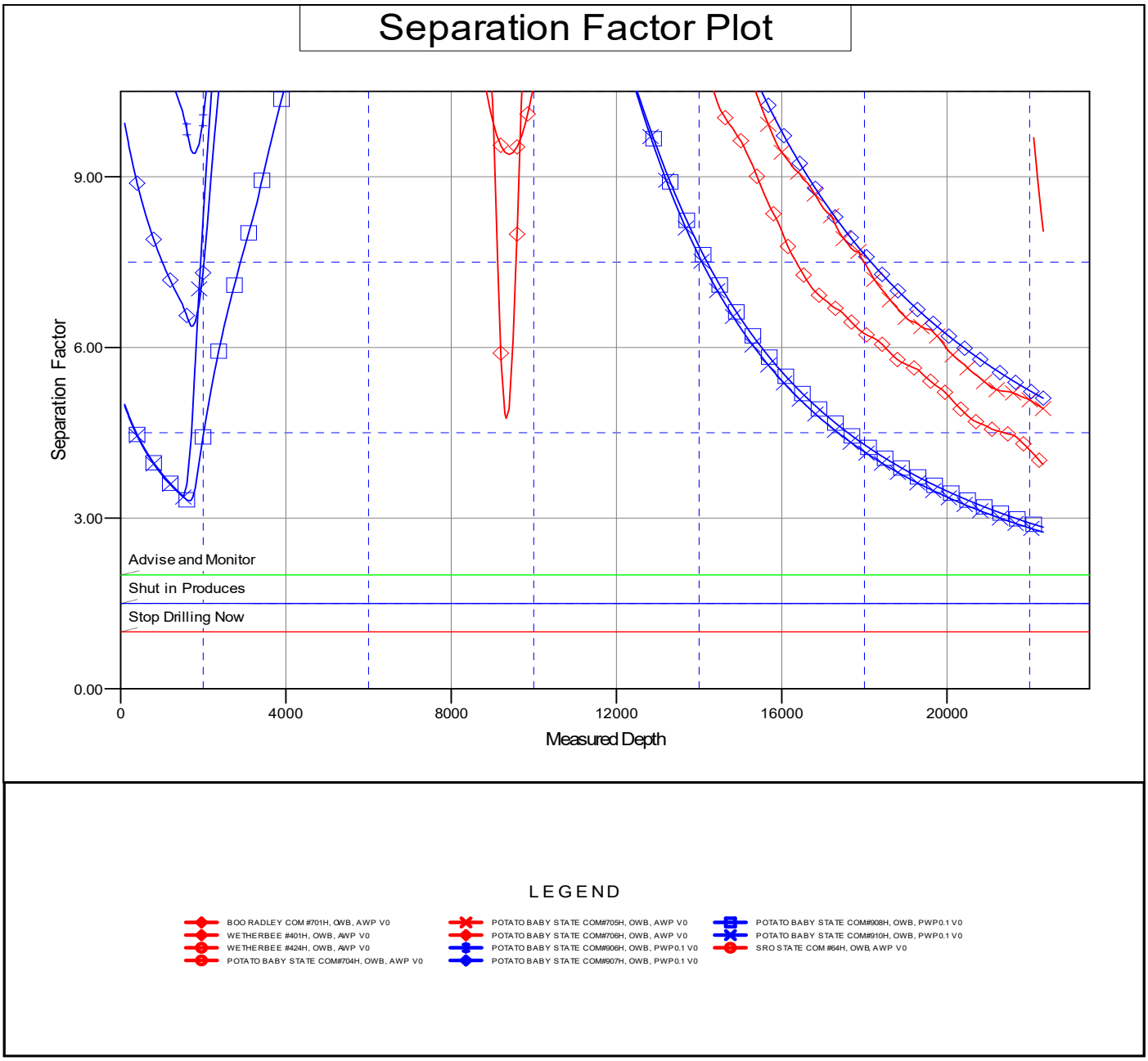
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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 32ft + GL 3073.1ft @ 3105.1usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #909H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.13°



DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
POTATO BABY STATE PROJECT (ATLAS 2628)
POTATO BABY STATE COM #909H

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 #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**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 #909H				
Well Position	**+N/-S**	366.7 usft	**Northing:**	364,183.57 usft	**Latitude:**	32° 0' 3.608 N
	+E/-W	896.9 usft	**Easting:**	578,368.31 usft	**Longitude:**	104° 4' 49.892 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,073.1 usft

Wellbore	OWB				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2022	12/1/2023	6.59	59.52	47,285.00852583

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	0.32

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	9,736.1	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	9,736.1	22,330.0	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

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Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**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	
1,749.9	5.00	131.58	1,749.6	-7.2	8.2	2.00	2.00	0.00	131.58	
2,837.2	5.00	131.58	2,832.8	-70.1	79.0	0.00	0.00	0.00	0.00	
3,337.1	0.00	0.00	3,332.0	-84.6	95.3	1.00	-1.00	0.00	180.00	
9,736.1	0.00	0.00	9,731.0	-84.6	95.3	0.00	0.00	0.00	0.00	
10,634.6	89.85	359.87	10,304.0	486.9	94.0	10.00	10.00	-0.01	359.87	
22,200.0	89.85	359.87	10,334.7	12,052.2	67.8	0.00	0.00	0.00	0.00	LTP (POTATO BABY
22,330.0	89.85	359.87	10,335.0	12,182.2	67.5	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 #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	131.58	1,600.0	-1.2	1.3	-1.2	2.00	2.00	0.00
1,700.0	4.00	131.58	1,699.8	-4.6	5.2	-4.6	2.00	2.00	0.00
1,749.9	5.00	131.58	1,749.6	-7.2	8.2	-7.2	2.00	2.00	0.00
Start 1087.3 hold at 1749.9 MD									
1,800.0	5.00	131.58	1,799.5	-10.1	11.4	-10.1	0.00	0.00	0.00
1,900.0	5.00	131.58	1,899.1	-15.9	17.9	-15.8	0.00	0.00	0.00
2,000.0	5.00	131.58	1,998.7	-21.7	24.4	-21.6	0.00	0.00	0.00
2,100.0	5.00	131.58	2,098.4	-27.5	31.0	-27.3	0.00	0.00	0.00
2,200.0	5.00	131.58	2,198.0	-33.3	37.5	-33.0	0.00	0.00	0.00
2,300.0	5.00	131.58	2,297.6	-39.0	44.0	-38.8	0.00	0.00	0.00
2,400.0	5.00	131.58	2,397.2	-44.8	50.5	-44.5	0.00	0.00	0.00
2,500.0	5.00	131.58	2,496.8	-50.6	57.0	-50.3	0.00	0.00	0.00
2,600.0	5.00	131.58	2,596.5	-56.4	63.6	-56.0	0.00	0.00	0.00
2,700.0	5.00	131.58	2,696.1	-62.2	70.1	-61.8	0.00	0.00	0.00
2,800.0	5.00	131.58	2,795.7	-67.9	76.6	-67.5	0.00	0.00	0.00
2,837.2	5.00	131.58	2,832.8	-70.1	79.0	-69.7	0.00	0.00	0.00
Start Drop -1.00									
2,900.0	4.37	131.58	2,895.3	-73.5	82.9	-73.0	1.00	-1.00	0.00
3,000.0	3.37	131.58	2,995.1	-78.0	87.9	-77.5	1.00	-1.00	0.00
3,100.0	2.37	131.58	3,095.0	-81.3	91.7	-80.8	1.00	-1.00	0.00
3,200.0	1.37	131.58	3,194.9	-83.5	94.1	-83.0	1.00	-1.00	0.00
3,300.0	0.37	131.58	3,294.9	-84.5	95.2	-84.0	1.00	-1.00	0.00
3,337.1	0.00	0.00	3,332.0	-84.6	95.3	-84.0	1.00	-1.00	0.00
Start 6399.0 hold at 3337.1 MD									
3,400.0	0.00	0.00	3,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,000.0	0.00	0.00	3,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**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)
4,600.0	0.00	0.00	4,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,794.9	-84.6	95.3	-84.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,894.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,994.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,094.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,194.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,294.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,394.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,494.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,594.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,694.9	-84.6	95.3	-84.0	0.00	0.00	0.00
9,736.1	0.00	0.00	9,731.0	-84.6	95.3	-84.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start DLS 10.00 TFO 359.87									
9,750.0	1.39	359.87	9,744.9	-84.4	95.3	-83.9	10.00	10.00	0.00
9,800.0	6.39	359.87	9,794.8	-81.0	95.3	-80.5	10.00	10.00	0.00
9,850.0	11.39	359.87	9,844.2	-73.3	95.3	-72.8	10.00	10.00	0.00
9,900.0	16.39	359.87	9,892.7	-61.3	95.3	-60.8	10.00	10.00	0.00
9,950.0	21.39	359.87	9,940.0	-45.1	95.2	-44.6	10.00	10.00	0.00
10,000.0	26.39	359.87	9,985.7	-24.9	95.2	-24.3	10.00	10.00	0.00
10,050.0	31.39	359.87	10,029.4	-0.7	95.1	-0.2	10.00	10.00	0.00
10,100.0	36.39	359.87	10,070.9	27.2	95.1	27.7	10.00	10.00	0.00
10,150.0	41.39	359.87	10,109.9	58.5	95.0	59.1	10.00	10.00	0.00
10,200.0	46.39	359.87	10,145.9	93.2	94.9	93.7	10.00	10.00	0.00
10,250.0	51.39	359.87	10,178.7	130.8	94.8	131.4	10.00	10.00	0.00
10,300.0	56.39	359.87	10,208.2	171.2	94.7	171.7	10.00	10.00	0.00
10,350.0	61.39	359.87	10,234.0	214.0	94.6	214.5	10.00	10.00	0.00
10,400.0	66.39	359.87	10,256.0	258.9	94.5	259.4	10.00	10.00	0.00
10,450.0	71.39	359.87	10,274.0	305.5	94.4	306.0	10.00	10.00	0.00
10,500.0	76.39	359.87	10,287.9	353.5	94.3	354.1	10.00	10.00	0.00
10,550.0	81.39	359.87	10,297.5	402.6	94.2	403.1	10.00	10.00	0.00
10,600.0	86.39	359.87	10,302.9	452.3	94.1	452.8	10.00	10.00	0.00
10,634.6	89.85	359.87	10,304.0	486.9	94.0	487.4	10.00	10.00	0.00
Start 11565.4 hold at 10634.6 MD									
10,700.0	89.85	359.87	10,304.2	552.3	93.9	552.8	0.00	0.00	0.00
10,800.0	89.85	359.87	10,304.4	652.3	93.6	652.8	0.00	0.00	0.00
10,900.0	89.85	359.87	10,304.7	752.3	93.4	752.8	0.00	0.00	0.00
11,000.0	89.85	359.87	10,305.0	852.3	93.2	852.8	0.00	0.00	0.00
11,100.0	89.85	359.87	10,305.2	952.3	93.0	952.8	0.00	0.00	0.00
11,200.0	89.85	359.87	10,305.5	1,052.3	92.7	1,052.8	0.00	0.00	0.00
11,300.0	89.85	359.87	10,305.8	1,152.3	92.5	1,152.8	0.00	0.00	0.00
11,400.0	89.85	359.87	10,306.0	1,252.3	92.3	1,252.8	0.00	0.00	0.00
11,500.0	89.85	359.87	10,306.3	1,352.3	92.1	1,352.7	0.00	0.00	0.00
11,600.0	89.85	359.87	10,306.6	1,452.3	91.8	1,452.7	0.00	0.00	0.00
11,700.0	89.85	359.87	10,306.8	1,552.3	91.6	1,552.7	0.00	0.00	0.00
11,800.0	89.85	359.87	10,307.1	1,652.3	91.4	1,652.7	0.00	0.00	0.00
11,900.0	89.85	359.87	10,307.4	1,752.3	91.2	1,752.7	0.00	0.00	0.00
12,000.0	89.85	359.87	10,307.6	1,852.3	90.9	1,852.7	0.00	0.00	0.00
12,100.0	89.85	359.87	10,307.9	1,952.3	90.7	1,952.7	0.00	0.00	0.00
12,200.0	89.85	359.87	10,308.1	2,052.3	90.5	2,052.7	0.00	0.00	0.00
12,300.0	89.85	359.87	10,308.4	2,152.3	90.2	2,152.7	0.00	0.00	0.00
12,400.0	89.85	359.87	10,308.7	2,252.3	90.0	2,252.7	0.00	0.00	0.00
12,500.0	89.85	359.87	10,308.9	2,352.3	89.8	2,352.7	0.00	0.00	0.00
12,600.0	89.85	359.87	10,309.2	2,452.3	89.6	2,452.7	0.00	0.00	0.00
12,700.0	89.85	359.87	10,309.5	2,552.3	89.3	2,552.7	0.00	0.00	0.00
12,800.0	89.85	359.87	10,309.7	2,652.3	89.1	2,652.7	0.00	0.00	0.00
12,900.0	89.85	359.87	10,310.0	2,752.3	88.9	2,752.7	0.00	0.00	0.00
13,000.0	89.85	359.87	10,310.3	2,852.3	88.7	2,852.7	0.00	0.00	0.00
13,100.0	89.85	359.87	10,310.5	2,952.3	88.4	2,952.7	0.00	0.00	0.00
13,200.0	89.85	359.87	10,310.8	3,052.3	88.2	3,052.7	0.00	0.00	0.00
13,300.0	89.85	359.87	10,311.1	3,152.3	88.0	3,152.7	0.00	0.00	0.00
13,400.0	89.85	359.87	10,311.3	3,252.2	87.8	3,252.7	0.00	0.00	0.00
13,500.0	89.85	359.87	10,311.6	3,352.2	87.5	3,352.7	0.00	0.00	0.00
13,600.0	89.85	359.87	10,311.9	3,452.2	87.3	3,452.7	0.00	0.00	0.00
13,700.0	89.85	359.87	10,312.1	3,552.2	87.1	3,552.7	0.00	0.00	0.00
13,800.0	89.85	359.87	10,312.4	3,652.2	86.8	3,652.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,900.0	89.85	359.87	10,312.7	3,752.2	86.6	3,752.7	0.00	0.00	0.00
14,000.0	89.85	359.87	10,312.9	3,852.2	86.4	3,852.7	0.00	0.00	0.00
14,100.0	89.85	359.87	10,313.2	3,952.2	86.2	3,952.7	0.00	0.00	0.00
14,200.0	89.85	359.87	10,313.5	4,052.2	85.9	4,052.7	0.00	0.00	0.00
14,300.0	89.85	359.87	10,313.7	4,152.2	85.7	4,152.7	0.00	0.00	0.00
14,400.0	89.85	359.87	10,314.0	4,252.2	85.5	4,252.7	0.00	0.00	0.00
14,500.0	89.85	359.87	10,314.2	4,352.2	85.3	4,352.6	0.00	0.00	0.00
14,600.0	89.85	359.87	10,314.5	4,452.2	85.0	4,452.6	0.00	0.00	0.00
14,700.0	89.85	359.87	10,314.8	4,552.2	84.8	4,552.6	0.00	0.00	0.00
14,800.0	89.85	359.87	10,315.0	4,652.2	84.6	4,652.6	0.00	0.00	0.00
14,900.0	89.85	359.87	10,315.3	4,752.2	84.4	4,752.6	0.00	0.00	0.00
15,000.0	89.85	359.87	10,315.6	4,852.2	84.1	4,852.6	0.00	0.00	0.00
15,100.0	89.85	359.87	10,315.8	4,952.2	83.9	4,952.6	0.00	0.00	0.00
15,200.0	89.85	359.87	10,316.1	5,052.2	83.7	5,052.6	0.00	0.00	0.00
15,300.0	89.85	359.87	10,316.4	5,152.2	83.4	5,152.6	0.00	0.00	0.00
15,400.0	89.85	359.87	10,316.6	5,252.2	83.2	5,252.6	0.00	0.00	0.00
15,500.0	89.85	359.87	10,316.9	5,352.2	83.0	5,352.6	0.00	0.00	0.00
15,600.0	89.85	359.87	10,317.2	5,452.2	82.8	5,452.6	0.00	0.00	0.00
15,700.0	89.85	359.87	10,317.4	5,552.2	82.5	5,552.6	0.00	0.00	0.00
15,800.0	89.85	359.87	10,317.7	5,652.2	82.3	5,652.6	0.00	0.00	0.00
15,900.0	89.85	359.87	10,318.0	5,752.2	82.1	5,752.6	0.00	0.00	0.00
16,000.0	89.85	359.87	10,318.2	5,852.2	81.9	5,852.6	0.00	0.00	0.00
16,100.0	89.85	359.87	10,318.5	5,952.2	81.6	5,952.6	0.00	0.00	0.00
16,200.0	89.85	359.87	10,318.8	6,052.2	81.4	6,052.6	0.00	0.00	0.00
16,300.0	89.85	359.87	10,319.0	6,152.2	81.2	6,152.6	0.00	0.00	0.00
16,400.0	89.85	359.87	10,319.3	6,252.2	81.0	6,252.6	0.00	0.00	0.00
16,500.0	89.85	359.87	10,319.5	6,352.2	80.7	6,352.6	0.00	0.00	0.00
16,600.0	89.85	359.87	10,319.8	6,452.2	80.5	6,452.6	0.00	0.00	0.00
16,700.0	89.85	359.87	10,320.1	6,552.2	80.3	6,552.6	0.00	0.00	0.00
16,800.0	89.85	359.87	10,320.3	6,652.2	80.0	6,652.6	0.00	0.00	0.00
16,900.0	89.85	359.87	10,320.6	6,752.2	79.8	6,752.6	0.00	0.00	0.00
17,000.0	89.85	359.87	10,320.9	6,852.2	79.6	6,852.6	0.00	0.00	0.00
17,100.0	89.85	359.87	10,321.1	6,952.2	79.4	6,952.6	0.00	0.00	0.00
17,200.0	89.85	359.87	10,321.4	7,052.2	79.1	7,052.6	0.00	0.00	0.00
17,300.0	89.85	359.87	10,321.7	7,152.2	78.9	7,152.6	0.00	0.00	0.00
17,400.0	89.85	359.87	10,321.9	7,252.2	78.7	7,252.5	0.00	0.00	0.00
17,500.0	89.85	359.87	10,322.2	7,352.2	78.5	7,352.5	0.00	0.00	0.00
17,600.0	89.85	359.87	10,322.5	7,452.2	78.2	7,452.5	0.00	0.00	0.00
17,700.0	89.85	359.87	10,322.7	7,552.2	78.0	7,552.5	0.00	0.00	0.00
17,800.0	89.85	359.87	10,323.0	7,652.2	77.8	7,652.5	0.00	0.00	0.00
17,900.0	89.85	359.87	10,323.3	7,752.2	77.6	7,752.5	0.00	0.00	0.00
18,000.0	89.85	359.87	10,323.5	7,852.2	77.3	7,852.5	0.00	0.00	0.00
18,100.0	89.85	359.87	10,323.8	7,952.2	77.1	7,952.5	0.00	0.00	0.00
18,200.0	89.85	359.87	10,324.1	8,052.2	76.9	8,052.5	0.00	0.00	0.00
18,300.0	89.85	359.87	10,324.3	8,152.2	76.6	8,152.5	0.00	0.00	0.00
18,400.0	89.85	359.87	10,324.6	8,252.2	76.4	8,252.5	0.00	0.00	0.00
18,500.0	89.85	359.87	10,324.8	8,352.2	76.2	8,352.5	0.00	0.00	0.00
18,600.0	89.85	359.87	10,325.1	8,452.2	76.0	8,452.5	0.00	0.00	0.00
18,700.0	89.85	359.87	10,325.4	8,552.2	75.7	8,552.5	0.00	0.00	0.00
18,800.0	89.85	359.87	10,325.6	8,652.2	75.5	8,652.5	0.00	0.00	0.00
18,900.0	89.85	359.87	10,325.9	8,752.2	75.3	8,752.5	0.00	0.00	0.00
19,000.0	89.85	359.87	10,326.2	8,852.2	75.1	8,852.5	0.00	0.00	0.00
19,100.0	89.85	359.87	10,326.4	8,952.2	74.8	8,952.5	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**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)
19,200.0	89.85	359.87	10,326.7	9,052.2	74.6	9,052.5	0.00	0.00	0.00
19,300.0	89.85	359.87	10,327.0	9,152.2	74.4	9,152.5	0.00	0.00	0.00
19,400.0	89.85	359.87	10,327.2	9,252.2	74.1	9,252.5	0.00	0.00	0.00
19,500.0	89.85	359.87	10,327.5	9,352.2	73.9	9,352.5	0.00	0.00	0.00
19,600.0	89.85	359.87	10,327.8	9,452.2	73.7	9,452.5	0.00	0.00	0.00
19,700.0	89.85	359.87	10,328.0	9,552.2	73.5	9,552.5	0.00	0.00	0.00
19,800.0	89.85	359.87	10,328.3	9,652.2	73.2	9,652.5	0.00	0.00	0.00
19,900.0	89.85	359.87	10,328.6	9,752.2	73.0	9,752.5	0.00	0.00	0.00
20,000.0	89.85	359.87	10,328.8	9,852.2	72.8	9,852.5	0.00	0.00	0.00
20,100.0	89.85	359.87	10,329.1	9,952.2	72.6	9,952.5	0.00	0.00	0.00
20,200.0	89.85	359.87	10,329.4	10,052.2	72.3	10,052.5	0.00	0.00	0.00
20,300.0	89.85	359.87	10,329.6	10,152.2	72.1	10,152.5	0.00	0.00	0.00
20,400.0	89.85	359.87	10,329.9	10,252.2	71.9	10,252.4	0.00	0.00	0.00
20,500.0	89.85	359.87	10,330.1	10,352.2	71.7	10,352.4	0.00	0.00	0.00
20,600.0	89.85	359.87	10,330.4	10,452.2	71.4	10,452.4	0.00	0.00	0.00
20,700.0	89.85	359.87	10,330.7	10,552.2	71.2	10,552.4	0.00	0.00	0.00
20,800.0	89.85	359.87	10,330.9	10,652.2	71.0	10,652.4	0.00	0.00	0.00
20,900.0	89.85	359.87	10,331.2	10,752.2	70.7	10,752.4	0.00	0.00	0.00
21,000.0	89.85	359.87	10,331.5	10,852.2	70.5	10,852.4	0.00	0.00	0.00
21,100.0	89.85	359.87	10,331.7	10,952.2	70.3	10,952.4	0.00	0.00	0.00
21,200.0	89.85	359.87	10,332.0	11,052.2	70.1	11,052.4	0.00	0.00	0.00
21,300.0	89.85	359.87	10,332.3	11,152.2	69.8	11,152.4	0.00	0.00	0.00
21,400.0	89.85	359.87	10,332.5	11,252.2	69.6	11,252.4	0.00	0.00	0.00
21,500.0	89.85	359.87	10,332.8	11,352.2	69.4	11,352.4	0.00	0.00	0.00
21,600.0	89.85	359.87	10,333.1	11,452.2	69.2	11,452.4	0.00	0.00	0.00
21,700.0	89.85	359.87	10,333.3	11,552.2	68.9	11,552.4	0.00	0.00	0.00
21,800.0	89.85	359.87	10,333.6	11,652.2	68.7	11,652.4	0.00	0.00	0.00
21,900.0	89.85	359.87	10,333.9	11,752.2	68.5	11,752.4	0.00	0.00	0.00
22,000.0	89.85	359.87	10,334.1	11,852.2	68.3	11,852.4	0.00	0.00	0.00
22,100.0	89.85	359.87	10,334.4	11,952.2	68.0	11,952.4	0.00	0.00	0.00
22,200.0	89.85	359.87	10,334.7	12,052.2	67.8	12,052.4	0.00	0.00	0.00
Start 130.0 hold at 22200.0 MD									
22,300.0	89.85	359.87	10,334.9	12,152.2	67.6	12,152.4	0.00	0.00	0.00
22,330.0	89.85	359.87	10,335.0	12,182.2	67.5	12,182.4	0.00	0.00	0.00
TD at 22330.0									

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	10,304.0	-84.6	95.3	364,099.01	578,463.63	32° 0' 2.769 N	104° 4' 48.788 W
- plan misses target center by 237.4usft at 10190.7usft MD (10139.4 TVD, 86.5 N, 94.9 E)									
- Circle (radius 50.0)									
LTP (POTATO BABY ST	0.00	0.00	10,334.7	12,052.2	67.8	376,235.78	578,436.11	32° 2' 2.883 N	104° 4' 48.777 W
- plan hits target center									
- Point									
BHL (POTATO BABY ST	0.15	359.87	10,335.0	12,182.2	67.2	376,365.78	578,435.56	32° 2' 4.169 N	104° 4' 48.780 W
- plan misses target center by 0.3usft at 22330.0usft MD (10335.0 TVD, 12182.2 N, 67.5 E)									
- Rectangle (sides W100.0 H12,267.1 D20.0)									

ConocoPhillips
Planning Report

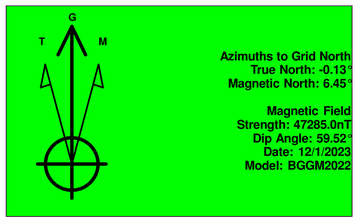
Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #909H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.1ft @ 3105.1usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #909H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,500.0	1,500.0	0.0	0.0	Start Build 2.00
1,749.9	1,749.6	-7.2	8.2	Start 1087.3 hold at 1749.9 MD
2,837.2	2,832.8	-70.1	79.0	Start Drop -1.00
3,337.1	3,332.0	-84.6	95.3	Start 6399.0 hold at 3337.1 MD
9,736.1	9,731.0	-84.6	95.3	Start DLS 10.00 TFO 359.87
10,634.6	10,304.0	486.9	94.0	Start 11565.4 hold at 10634.6 MD
22,200.0	10,334.7	12,052.2	67.8	Start 130.0 hold at 22200.0 MD
22,330.0	10,335.0	12,182.2	67.5	TD at 22330.0

ConocoPhillips

Project:	ATLAS PROSPECT (NM-E)
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)
Well:	POTATO BABY STATE COM #909H
Wellbore:	OWB
Design:	PWP0.1
GL:	3073.1
RKB 32ft + GL 3073.1ft @ 3105.1usft	



Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.45°

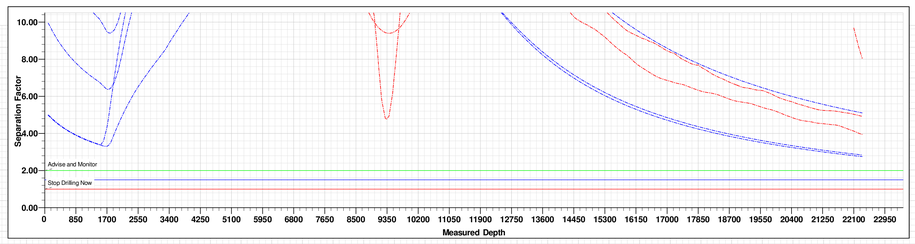
Magnetic Field
Strength: 47285.0nT
Dip Angle: 59.52°
Date: 12/1/2023
Model: BGGM2022

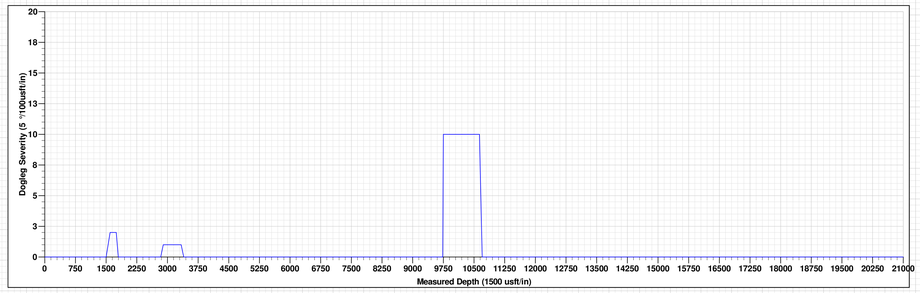
WELL DETAILS: POTATO BABY STATE COM #909H

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	364183.57	578368.31	32° 0' 3.608 N	104° 4' 49.892 W

DESIGN TARGET DETAILS

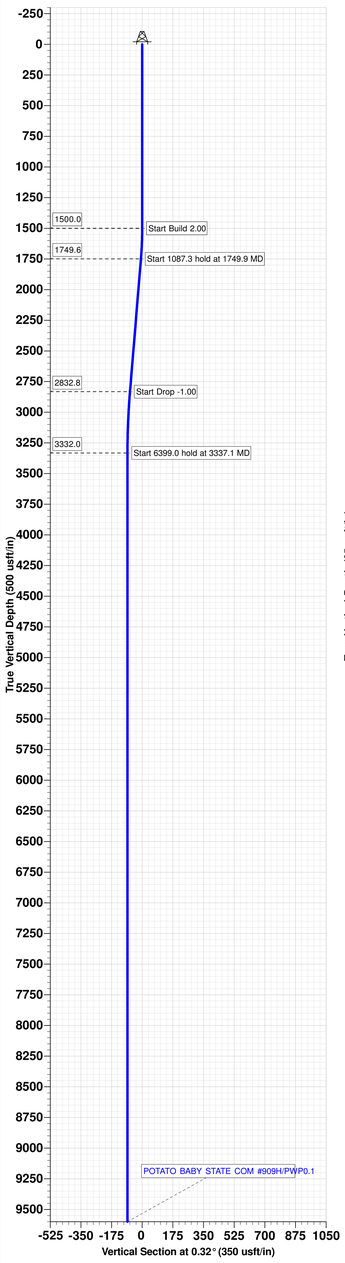
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (POTATO BABY STATE COM #909H)	10304.0	-84.6	95.3	364099.01	578463.63	Circle (Radius: 50.0)
LTP (POTATO BABY STATE COM #909H)	10334.7	12052.2	67.8	376235.78	578436.11	Point
BHL (POTATO BABY STATE COM #909H)	10335.0	12182.2	67.2	376365.78	578435.56	Rectangle (Sides: L12267.1 W100.0)

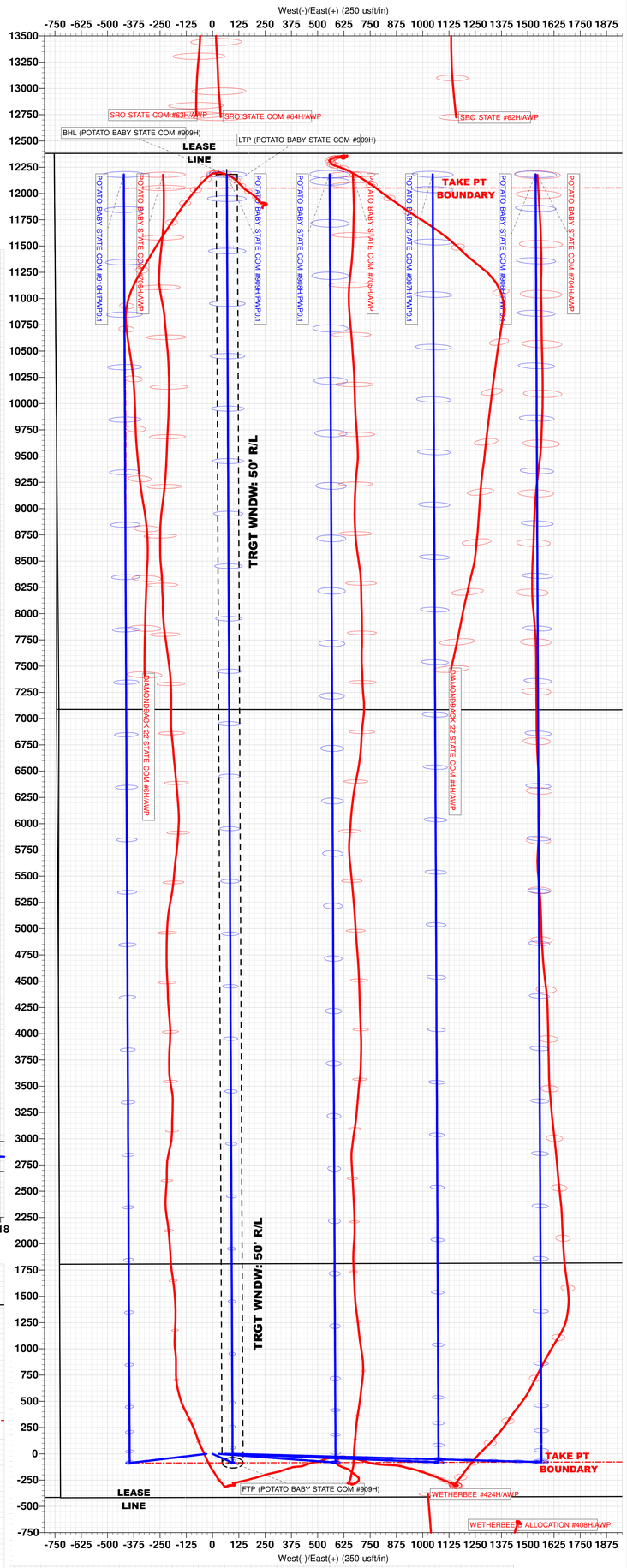


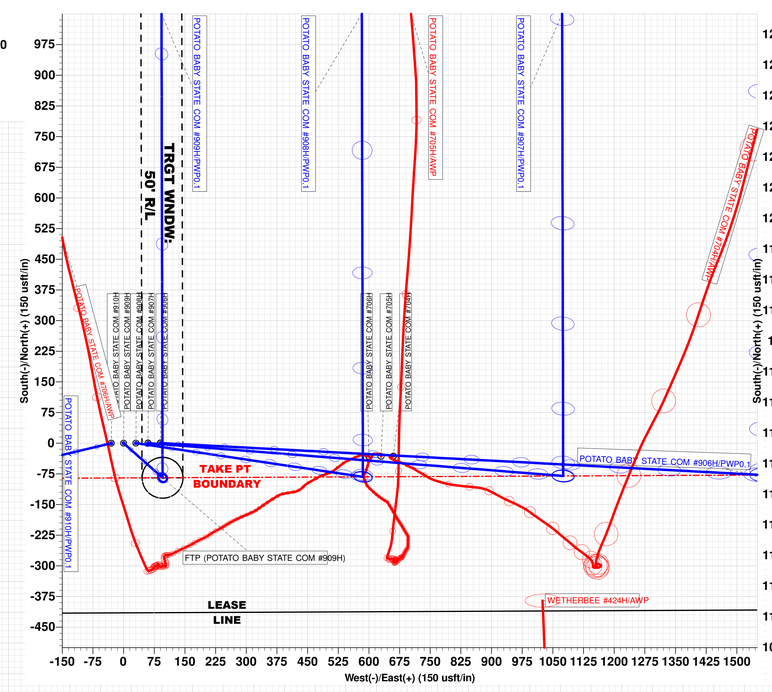


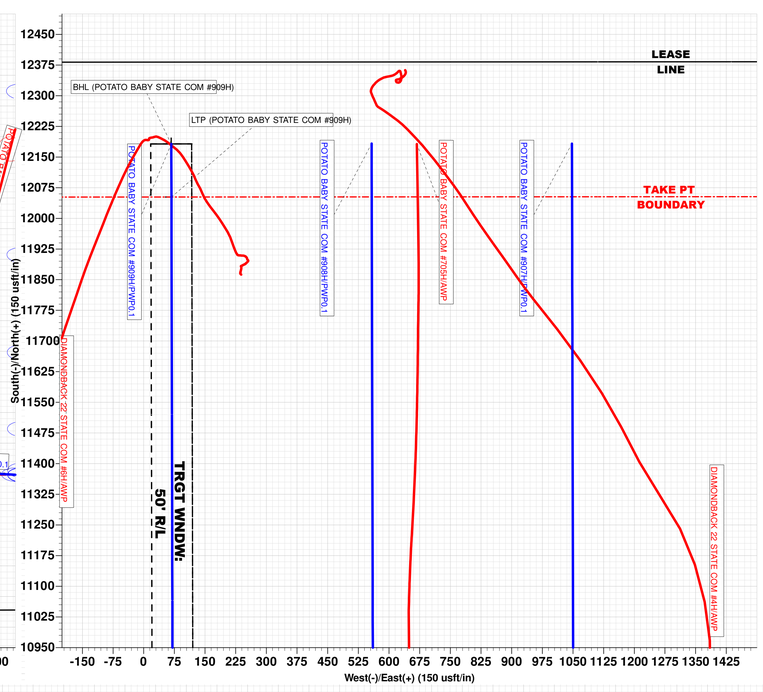
PWP0.1

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
1749.9	5.00	131.58	1749.6	-7.2	8.2	-7.2	10.9	Start 1087.3 hold at 1749.9 MD
2837.2	5.00	131.58	2832.8	-70.1	79.0	-69.7	105.6	Start Drop -1.00
3337.1	0.00	0.00	3332.0	-84.6	95.3	-84.0	127.4	Start 6399.0 hold at 3337.1 MD
9736.1	0.00	0.00	9731.0	-84.6	95.3	-84.0	127.4	Start DLS 10.00 TFO 359.87
10634.6	89.85	359.87	10304.0	486.9	94.0	487.4	698.9	Start 11565.4 hold at 10634.6 MD
22200.0	89.85	359.87	10334.7	12052.2	67.8	12052.4	12264.2	Start 130.0 hold at 22200.0 MD
22330.0	89.85	359.87	10335.0	12182.2	67.5	12182.4	12394.2	TD at 22330.0









TRGT WNDW:
10' A/B